SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHD2

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method ICP-AES	ICP-MS	Mercury	Cyanide
MBHD2	P4982-01	X			
MBHJ34	P4982-02	X			
MBHJ35	P4982-03	X			
MBHJ36	P4982-04	X			
MBHJ37	P4982-05	X			
MBHJ38	P4982-06	X			
MBHJ39	P4982-07	X			
MBHJ40	P4982-08	X			
MBHJD1	P4982-09	X			
MBHJD3	P4982-10	X			
MBHJD4	P4982-11	X			
MBHJD5	P4982-12	X			
MBHJD6	P4982-13	X			
MBHJD7	P4982-14	X			
MBHJE9	P4982-15	X			
MBHJF0	P4982-16	X			
MBHJF1	P4982-17	X			
MBHJF2	P4982-18	X			
MBHJF3	P4982-19	X			
MBHJF4	P4982-20	X			
MBHJF4D	P4982-21	X			
MBHJF4S	P4982-22	X			

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 in the SDG Narrative. All edits and manual integrations have been peer-reviewed. Release of the data contained in this hardcopy Complete SDG File 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: Name:

Date: Title:

68HERH20D0011

SDG # MBHD2

USEPA CLP COC (LAB COPY)

DateShipped: 11/22/2024

CarrierName: FedEx

AirbillNo: 7701 5924 9441

CHAIN OF CUSTODY RECORD

Case #: 51879

Cooler #: 5

No: 2-112224-134050-0018

Lab: Alliance Technical Group LLC

Lab Contact: Mohammad Ahmed

Lab Phone: 908-789-8900

2

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
P143-SB-30-Z02-06	MBHD2	Soil/		ICP-AES(35)	5459 (Wet ice < 6 C) (1)	P143-SB-30	11/18/2024 13:10	
P143-SB-08-Z00-02	MBHJ34	Soil/		ICP-AES(35)	2116 (Wet ice < 6 C) (1)	P143-SB-08	11/18/2024 11:20	
P143-SB-08-Z02-06	MBHJ35	Soil/		ICP-AES(35)	2117 (Wet ice < 6 C) (1)	P143-SB-08	11/18/2024 11:20	
P143-SB-08-Z06-12	MBHJ36	Soil/		ICP-AES(35)	2118 (Wet ice < 6 C) (1)	P143-SB-08	11/18/2024 11:20	
P143-SB-08-Z12-18	MBHJ37	Soil/		ICP-AES(35)	2119 (Wet ice < 6 C) (1)	P143-SB-08	11/18/2024 11:20	
P143-SB-08-Z18-24	MBHJ38	Soil/		ICP-AES(35)	2050 (Wet ice < 6 C) (1)	P143-SB-08	11/18/2024 11:20	
P143-SB-08-Z24-30	MBHJ39	Soil/		ICP-AES(35)	2051 (Wet ice < 6 C) (1)	P143-SB-08	11/18/2024 11:20	
P143-SB-08-Z30-36	MBHJ40	Soil/		ICP-AES(35)	2052 (Wet ice < 6 C) (1)	P143-SB-08	11/18/2024 11:20	
P143-SB-30-Z00-02	MBHJD1	Soil/		ICP-AES(35)	5458 (Wet ice < 6 C) (1)	P143-SB-30	11/18/2024 13:10	
P143-SB-30-Z06-12	MBHJD3	Soil/		ICP-AES(35)	5460 (Wet ice < 6 C) (1)	P143-SB-30	11/18/2024 13:10	

Special Instructions: Sample MBHJF4 is an MS/MSD. Samples MBHJC40, MBHJC39, MBHJC38, MBHJC37, MBHJC36, MBHJC35, MBHJC34, MBHJD1 MBHJD2, MBHJD3, MBHJD4, MBHJD5, MBHJD7, MBHJF5, MBHJF3, MBHJF2, MBHJF1, MBHJF0 and MBHJE9 have limited sample mass.	**Shipment for Case Complete? N** **Samples Transferred From Chain of Custody #**
Analysis Key: ICP-AES=CLP Routine - SFAM01.1/LSASD SOP C-109 Metals	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
1 cooler	WSP	11/22/24 15:15		11/23/24 10:00	1.3°C IR Gun #1
		N/A	11/22/24		Temp blank Sent
					Custody Seal Present

68HERH20D0011

SDG # MBHD2

USEPA CLP COC (LAB COPY)

DateShipped: 11/22/2024
CarrierName: FedEx
AirbillNo: 7701 5924 9441

CHAIN OF CUSTODY RECORD

Case #: 51879
Cooler #: 5

No: 2-112224-134050-0018

Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed
Lab Phone: 908-789-8900

3

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
P143-SB-30-Z12-18	MBHJD4	Soil/		ICP-AES(35)	5461 (Wet ice < 6 C) (1)	P143-SB-30	11/18/2024 13:10	
P143-SB-30-Z18-24	MBHJD5	Soil/		ICP-AES(35)	5462 (Wet ice < 6 C) (1)	P143-SB-30	11/18/2024 13:10	
P143-SB-30-Z24-30	MBHJD6	Soil/		ICP-AES(35)	5463 (Wet ice < 6 C) (1)	P143-SB-30	11/18/2024 13:10	
P143-SB-30-Z30-36	MBHJD7	Soil/		ICP-AES(35)	5464 (Wet ice < 6 C) (1)	P143-SB-30	11/18/2024 13:10	
P143-SB-07-Z00-02	MBHJE9	Soil/		ICP-AES(35)	2049 (Wet ice < 6 C) (1)	P143-SB-07	11/18/2024 11:15	
P143-SB-07-Z02-06	MBHJF0	Soil/		ICP-AES(35)	2110 (Wet ice < 6 C) (1)	P143-SB-07	11/18/2024 11:15	
P143-SB-07-Z06-12	MBHJF1	Soil/		ICP-AES(35)	2111 (Wet ice < 6 C) (1)	P143-SB-07	11/18/2024 11:15	
P143-SB-07-Z12-18	MBHJF2	Soil/		ICP-AES(35)	2112 (Wet ice < 6 C) (1)	P143-SB-07	11/18/2024 11:15	
P143-SB-07-Z18-24	MBHJF3	Soil/		ICP-AES(35)	2113 (Wet ice < 6 C) (1)	P143-SB-07	11/18/2024 11:15	
P143-SB-07-Z24-30	MBHJF4	Soil/		ICP-AES(35)	2114 (Wet ice < 6 C) (1)	P143-SB-07	11/18/2024 11:15	[illegible]

Sample(s) to be used for Lab QC: P143-SB-07-Z24-30 Tag 2114 - Special Instructions: Sample MBHJF4 is an MS/MSD. Samples MBHJC40, MBHJC39, MBHJC38, MBHJC37, MBHJC36, MBHJC35, MBHJC34, MBHJD1 MBHJD2, MBHJD3, MBHJD4, MBHJD5, MBHJD7, MBHJF5, MBHJF3, MBHJF2, MBHJF1, MBHJF0 and MBHJE9 have limited sample mass.

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ICP-AES=CLP Routine - SFAM01.1/LSASD SOP C-109 Metals

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
1 cooler	[signature] WSP	11/22/24 15:15	[signature]	11/23/24 10:00	1.3°C IROUNH
		N/A	[signature] 11/22/24		Temp blank [illegible]
					Custody Seal [illegible]

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC	Page 1 of 1
Received By (Print Name) Cassanova Peña	Log-in Date 11/23/2024
Received By (Signature)	
Case Number 51879 / SDG No. MBHD2	MA No. N/A

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	n/a
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	770159249441 1
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	1.3 Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	11/23/2024
12.Time Received	10:00

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MBHD2	N/A	5459	P4982-01	Intact
2	MBHJ34	N/A	2116	P4982-02	Intact
3	MBHJ35	N/A	2117	P4982-03	Intact
4	MBHJ36	N/A	2118	P4982-04	Intact
5	MBHJ37	N/A	2119	P4982-05	Intact
6	MBHJ38	N/A	2050	P4982-06	Intact
7	MBHJ39	N/A	2051	P4982-07	Intact
8	MBHJ40	N/A	2052	P4982-08	Intact
9	MBHJD1	N/A	5458	P4982-09	Intact
10	MBHJD3	N/A	5460	P4982-10	Intact
11	MBHJD4	N/A	5461	P4982-11	Intact
12	MBHJD5	N/A	5462	P4982-12	Intact
13	MBHJD6	N/A	5463	P4982-13	Intact
14	MBHJD7	N/A	5464	P4982-14	Intact
15	MBHJE9	N/A	2049	P4982-15	Intact
16	MBHJF0	N/A	2110	P4982-16	Intact
17	MBHJF1	N/A	2111	P4982-17	Intact
18	MBHJF2	N/A	2112	P4982-18	Intact
19	MBHJF3	N/A	2113	P4982-19	Intact
20	MBHJF4	N/A	2114	P4982-20	Intact
21	MBHJF4D	N/A	2114	P4982-21	Intact
22	MBHJF4S	N/A	2114	P4982-22	Intact
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By	Logbook No. N/A
Date 11/25/24	Logbook Page No. N/A

FORM DC-2
COMPLETE SDG FILE (CSF) INVENTORY SHEET

LAB NAME	**Alliance Technical Group, LLC**		
LAB CODE	**ACE**		
CONTRACT NO.	**68HERH20D0011**		
CASE NO.	**51879**	SDG NO.	**MBHD2**
MA NO.		SOW NO.	**SFAM01.1**

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.4)

	PAGE NOs: FROM	PAGE NOs: TO	CHECK LAB	CHECK REGION
1. SDG Cover Page	1	1	✓	
2. Traffic Report/Chain of Custody Record(s)	2	3	✓	
3. Sample Log-In Sheet (DC-1)	4	4	✓	
4. CSF Inventory Sheet (DC-2)	5	7	✓	
5. SDG Narrative	8	10	✓	
6. Communication Logs	NA	NA	✓	
7. Percent Solids Log	11	13	✓	
Analysis Forms and Data (ICP-AES)				
8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	14	33	✓	
9. Instrument raw data by instrument in analysis order	34	1327	✓	
Other Data				
10. Standard and Reagent Preparation Logs	1328	1484	✓	
11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	1485	1486	✓	
12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	1487	1547	✓	
13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
14. Extraction Logs for TCLP and SPLP	NA	NA	✓	
15. Raw GPC Data	NA	NA	✓	
16. Raw Florisil Data	NA	NA	✓	
Analysis Forms and Data (ICP-MS)				
17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	NA	NA	✓	
18. Instrument raw data by instrument in analysis order	NA	NA	✓	
Other Data				
19. Standard and Reagent Preparation Logs	NA	NA	✓	
20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	NA	NA	✓	
21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	NA	NA	✓	
22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	

	PAGE NOs: FROM	TO	CHECK LAB	REGION
23. Extraction Logs for TCLP and SPLP	NA	NA	✓	
24. Raw GPC Data	NA	NA	✓	
25. Raw Florisil Data	NA	NA	✓	
Analysis Forms and Data (Mercury)				
26. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	NA	NA	✓	
27. Instrument raw data by instrument in analysis order	NA	NA	✓	
Other Data				
28. Standard and Reagent Preparation Logs	NA	NA	✓	
29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	NA	NA	✓	
30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	NA	NA	✓	
31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
32. Extraction Logs for TCLP and SPLP	NA	NA	✓	
33. Raw GPC Data	NA	NA	✓	
34. Raw Florisil Data	NA	NA	✓	
Analysis Forms and Data (Cyanide)				
35. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	NA	NA	✓	
36. Instrument raw data by instrument in analysis order	NA	NA	✓	
Other Data				
37. Standard and Reagent Preparation Logs	NA	NA	✓	
38. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	NA	NA	✓	
39. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	NA	NA	✓	
40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
41. Extraction Logs for TCLP and SPLP	NA	NA	✓	
42. Raw GPC Data	NA	NA	✓	
43. Raw Florisil Data	NA	NA	✓	

	PAGE NOs: FROM	TO	CHECK LAB	REGION
Additional				
44. EPA Shipping/Receiving Documents				
Airbill (No. of Shipments 1)	1548	1548	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	1549	1550	✓	
45. Misc. Shipping/Receiving Records (list all individual records)				
	NA	NA	✓	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	1551	1552	✓	
47. Other Records and related Communication Logs (describe or list)				
	NA	NA	✓	

48. Comments:

Completed by:
(CLP Lab) _____ (Signature) Nimisha Pandya, Document Control Officer (Print Name & Title) _____ (Date)

Audited by:
(EPA) _____ (Signature) _____ (Print Name & Title) _____ (Date)

284 Sheffield Street
Mountainside, NJ 07092

SDG NARRATIVE

USEPA
SDG # MBHD2
CASE # 51879
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID # P4982

A. Number of Samples and Date of Receipt

20 Soil samples were delivered to the laboratory intact on 11/23/2024.

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: 1.3^{o}C

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

Issue 1: A "P" or "M" prefix was listed at the beginning of a CLP sample ID.

E. Corrective Action taken for above:

Resolution 1: To maintain COC integrity, ASB requests no changes to the Sample IDs. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

F. Analytical Techniques:

All analyses were based on CLP Methodology by method SFAM01.1.

Inter Element correction factors (IECs) are determined annually and correction factor are applied during ICP-AES analysis.

G. Calculation:

Calculation for ICP-AES Soil Sample:

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

$$\text{Concentration (mg/kg)} = C \times \frac{Vf}{W \times S} \times DF$$

Where,

C = Instrument value in ppm (The average of all replicate exposures)
Vf = Final digestion volume (mL)
W = Initial aliquot amount (g) (Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

Example Calculation For Sample MBHD2 For Antimony:

If C = 0.0178841 ppm
Vf = 100 ml
W = 1.11 g
S = 0.869 (86.9/100)
DF = 1

$$\text{Concentration (mg/kg)} = 0.0178841 \times \frac{100}{1.11 \times 0.869} \times 1$$

$$= 1.85406 \text{ mg/kg}$$

= 1.9 mg/kg (Reported Result with Signification

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, Selenium, Silver. Duplicate sample did meet requirements. Serial Dilution did meet requirements except for Aluminum, Barium, Calcium, Chromium, Cobalt, Iron, Lead, Magnesium, Manganese, Zinc.

Chemical or physical interference effect was suspected and the data for all affected analytes in the sample received and associated with this serial dilution were flagged.

284 Sheffield Street
Mountainside, NJ 07092

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_____ Name: Nimisha Pandya

Date _____ Title: Document Control Officer

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/26/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 15:50
In Date: 11/25/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/26/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133611

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4982-01	MBHD2	1	1.15	8.75	9.9	8.75	86.9	
P4982-02	MBHJ34	2	1.15	8.39	9.54	8.65	89.4	
P4982-03	MBHJ35	3	1.15	8.79	9.94	9.21	91.7	
P4982-04	MBHJ36	4	1.15	8.75	9.9	9.18	91.8	
P4982-05	MBHJ37	5	1.12	8.82	9.94	9.32	93.0	
P4982-06	MBHJ38	6	1.15	8.83	9.98	9.07	89.7	
P4982-07	MBHJ39	7	1.13	8.84	9.97	8.82	87.0	
P4982-08	MBHJ40	8	1.15	8.56	9.71	8.74	88.7	
P4982-09	MBHJD1	9	1.16	8.51	9.67	7.83	78.4	
P4982-10	MBHJD3	10	1.13	8.80	9.93	8.99	89.3	
P4982-11	MBHJD4	11	1.15	8.50	9.65	8.73	89.2	
P4982-12	MBHJD5	12	1.17	8.33	9.5	8.69	90.3	
P4982-13	MBHJD6	13	1.13	8.70	9.83	8.66	86.6	
P4982-14	MBHJD7	14	1.15	8.79	9.94	8.81	87.1	
P4982-15	MBHJE9	15	1.14	4.51	5.65	5.24	90.9	
P4982-16	MBHJF0	16	1.15	8.37	9.52	8.53	88.2	
P4982-17	MBHJF1	17	1.13	8.75	9.88	8.63	85.7	
P4982-18	MBHJF2	18	1.15	8.77	9.92	8.78	87.0	
P4982-19	MBHJF3	19	1.14	8.83	9.97	8.82	87.0	
P4982-20	MBHJF4	20	1.17	8.50	9.67	8.76	89.3	
P4982-21	MBHJF4D	21	1.17	8.50	9.67	8.76	89.3	
P4982-22	MBHJF4S	22	1.17	8.50	9.67	8.76	89.3	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 133611

WorkList Name : %1-P4982 **WorkList ID :** 185765 **Department :** Wet-Chemistry **Date :** 11-25-2024 13:53:20

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4982-01	MBHD2	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO
P4982-02	MBHJ34	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO
P4982-03	MBHJ35	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO
P4982-04	MBHJ36	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO
P4982-05	MBHJ37	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO
P4982-06	MBHJ38	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO
P4982-07	MBHJ39	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO
P4982-08	MBHJ40	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO
P4982-09	MBHJD1	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO
P4982-10	MBHJD3	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO
P4982-11	MBHJD4	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO
P4982-12	MBHJD5	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO
P4982-13	MBHJD6	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO
P4982-14	MBHJD7	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO
P4982-15	MBHJE9	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO
P4982-16	MBHJF0	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO
P4982-17	MBHJF1	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO
P4982-18	MBHJF2	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO
P4982-19	MBHJF3	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO
P4982-20	MBHJF4	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO
P4982-21	MBHJF4D	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO

12

Date/Time 11.25.24 15:10

Raw Sample Received by: JB WC

Raw Sample Relinquished by: JM/SM

Date/Time 11.25.24 16:00

Raw Sample Received by: JM/SM

Raw Sample Relinquished by: JB WC

WORKLIST(Hardcopy Internal Chain)

133611

WorkList Name : %1-P4982 **WorkList ID :** 185765 **Department :** Wet-Chemistry **Date :** 11-25-2024 13:53:20

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4982-22	MBHJF4S	Solid	Percent Solids	Cool 4 deg C	USEP01	C33	11/18/2024	Chemtech -SO

13

Date/Time 11.25.24 15:10

Raw Sample Received by: JD WOC

Raw Sample Relinquished by: JM ISM

Date/Time 11.25.24 16:00

Raw Sample Received by: JM ISM

Raw Sample Relinquished by: JD WOC

EPA SAMPLE NO.

MBHD2

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHD2

Matrix: SOIL Lab Sample ID: P4982-01

% Solids: 86.9 Date Received: 11/23/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	7500	*	12/14/2024	1930
7440-36-0	Antimony	1.9	J*	12/14/2024	1930
7440-38-2	Arsenic	5.3		12/14/2024	1930
7440-39-3	Barium	90	*	12/14/2024	1930
7440-41-7	Beryllium	0.52		12/14/2024	1930
7440-43-9	Cadmium	0.80		12/14/2024	1930
7440-70-2	Calcium	24000	*	12/14/2024	1930
7440-47-3	Chromium	10	*	12/14/2024	1930
7440-48-4	Cobalt	11	*	12/14/2024	1930
7440-50-8	Copper	12		12/14/2024	1930
7439-89-6	Iron	16000	*	12/14/2024	1930
7439-92-1	Lead	56	*	12/14/2024	1930
7439-95-4	Magnesium	9600	*	12/14/2024	1930
7439-96-5	Manganese	1000	*	12/14/2024	1930
7440-02-0	Nickel	18		12/14/2024	1930
7440-09-7	Potassium	750		12/14/2024	1930
7782-49-2	Selenium	3.6	U*	12/14/2024	1930
7440-22-4	Silver	1.0	U*	12/14/2024	1930
7440-23-5	Sodium	520	U	12/14/2024	1930
7440-28-0	Thallium	2.6		12/14/2024	1930
7440-62-2	Vanadium	17		12/14/2024	1930
7440-66-6	Zinc	100	*	12/14/2024	1930

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHJ34

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHD2

Matrix: SOIL Lab Sample ID: P4982-02

% Solids: 89.4 Date Received: 11/23/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	4200	*	12/14/2024	1934
7440-36-0	Antimony	1.9	J*	12/14/2024	1934
7440-38-2	Arsenic	27		12/14/2024	1934
7440-39-3	Barium	350	*	12/14/2024	1934
7440-41-7	Beryllium	0.46	J	12/14/2024	1934
7440-43-9	Cadmium	1.4		12/14/2024	1934
7440-70-2	Calcium	120000	D*	12/21/2024	0831
7440-47-3	Chromium	8.9	*	12/14/2024	1934
7440-48-4	Cobalt	9.6	*	12/14/2024	1934
7440-50-8	Copper	26		12/14/2024	1934
7439-89-6	Iron	17000	*	12/14/2024	1934
7439-92-1	Lead	300	*	12/14/2024	1934
7439-95-4	Magnesium	23000	*	12/14/2024	1934
7439-96-5	Manganese	900	*	12/14/2024	1934
7440-02-0	Nickel	17		12/14/2024	1934
7440-09-7	Potassium	850		12/14/2024	1934
7782-49-2	Selenium	3.3	U*	12/14/2024	1934
7440-22-4	Silver	0.93	U*	12/14/2024	1934
7440-23-5	Sodium	470	U	12/14/2024	1934
7440-28-0	Thallium	2.5		12/14/2024	1934
7440-62-2	Vanadium	12		12/14/2024	1934
7440-66-6	Zinc	330	*	12/14/2024	1934

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHJ35

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHD2

Matrix: SOIL Lab Sample ID: P4982-03

% Solids: 91.7 Date Received: 11/23/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	4200	*	12/14/2024	1938
7440-36-0	Antimony	2.1	J*	12/14/2024	1938
7440-38-2	Arsenic	26		12/14/2024	1938
7440-39-3	Barium	90	*	12/14/2024	1938
7440-41-7	Beryllium	0.44		12/14/2024	1938
7440-43-9	Cadmium	1.5		12/14/2024	1938
7440-70-2	Calcium	120000	D*	12/21/2024	0835
7440-47-3	Chromium	8.1	*	12/14/2024	1938
7440-48-4	Cobalt	9.1	*	12/14/2024	1938
7440-50-8	Copper	24		12/14/2024	1938
7439-89-6	Iron	16000	*	12/14/2024	1938
7439-92-1	Lead	280	*	12/14/2024	1938
7439-95-4	Magnesium	22000	*	12/14/2024	1938
7439-96-5	Manganese	810	*	12/14/2024	1938
7440-02-0	Nickel	16		12/14/2024	1938
7440-09-7	Potassium	680		12/14/2024	1938
7782-49-2	Selenium	2.9	U*	12/14/2024	1938
7440-22-4	Silver	0.82	U*	12/14/2024	1938
7440-23-5	Sodium	130	J	12/14/2024	1938
7440-28-0	Thallium	2.5		12/14/2024	1938
7440-62-2	Vanadium	12		12/14/2024	1938
7440-66-6	Zinc	350	*	12/14/2024	1938

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHJ36

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHD2

Matrix: SOIL Lab Sample ID: P4982-04

% Solids: 91.8 Date Received: 11/23/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	5200	*	12/14/2024	1942
7440-36-0	Antimony	3.2	J*	12/14/2024	1942
7440-38-2	Arsenic	37		12/14/2024	1942
7440-39-3	Barium	99	*	12/14/2024	1942
7440-41-7	Beryllium	0.54		12/14/2024	1942
7440-43-9	Cadmium	2.7		12/14/2024	1942
7440-70-2	Calcium	80000	D*	12/21/2024	0839
7440-47-3	Chromium	12	*	12/14/2024	1942
7440-48-4	Cobalt	10	*	12/14/2024	1942
7440-50-8	Copper	31		12/14/2024	1942
7439-89-6	Iron	21000	*	12/14/2024	1942
7439-92-1	Lead	330	*	12/14/2024	1942
7439-95-4	Magnesium	33000	*	12/14/2024	1942
7439-96-5	Manganese	1000	*	12/14/2024	1942
7440-02-0	Nickel	21		12/14/2024	1942
7440-09-7	Potassium	770		12/14/2024	1942
7782-49-2	Selenium	1.9	J*	12/14/2024	1942
7440-22-4	Silver	0.74	U*	12/14/2024	1942
7440-23-5	Sodium	110	J	12/14/2024	1942
7440-28-0	Thallium	1.7	J	12/14/2024	1942
7440-62-2	Vanadium	16		12/14/2024	1942
7440-66-6	Zinc	600	*	12/14/2024	1942

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHJ37

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHD2

Matrix: SOIL Lab Sample ID: P4982-05

% Solids: 93 Date Received: 11/23/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	2700	*	12/14/2024	1946
7440-36-0	Antimony	0.52	J*	12/14/2024	1946
7440-38-2	Arsenic	15		12/14/2024	1946
7440-39-3	Barium	66	*	12/14/2024	1946
7440-41-7	Beryllium	0.32	J	12/14/2024	1946
7440-43-9	Cadmium	0.98		12/14/2024	1946
7440-70-2	Calcium	150000	D*	12/23/2024	1817
7440-47-3	Chromium	5.5	*	12/14/2024	1946
7440-48-4	Cobalt	8.9	*	12/14/2024	1946
7440-50-8	Copper	19		12/14/2024	1946
7439-89-6	Iron	11000	*	12/14/2024	1946
7439-92-1	Lead	170	*	12/14/2024	1946
7439-95-4	Magnesium	17000	*	12/14/2024	1946
7439-96-5	Manganese	1000	*	12/14/2024	1946
7440-02-0	Nickel	12		12/14/2024	1946
7440-09-7	Potassium	410	J	12/14/2024	1946
7782-49-2	Selenium	3.1	U*	12/14/2024	1946
7440-22-4	Silver	0.88	U*	12/14/2024	1946
7440-23-5	Sodium	130	J	12/14/2024	1946
7440-28-0	Thallium	3.5		12/14/2024	1946
7440-62-2	Vanadium	11		12/14/2024	1946
7440-66-6	Zinc	330	*	12/14/2024	1946

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHJ38

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHD2

Matrix: SOIL Lab Sample ID: P4982-06

% Solids: 89.7 Date Received: 11/23/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	5300	*	12/14/2024	1950
7440-36-0	Antimony	0.86	J*	12/14/2024	1950
7440-38-2	Arsenic	15		12/14/2024	1950
7440-39-3	Barium	120	*	12/14/2024	1950
7440-41-7	Beryllium	0.47		12/14/2024	1950
7440-43-9	Cadmium	0.53		12/14/2024	1950
7440-70-2	Calcium	120000	D*	12/21/2024	0846
7440-47-3	Chromium	6.3	*	12/14/2024	1950
7440-48-4	Cobalt	10	*	12/14/2024	1950
7440-50-8	Copper	20		12/14/2024	1950
7439-89-6	Iron	13000	*	12/14/2024	1950
7439-92-1	Lead	510	*	12/14/2024	1950
7439-95-4	Magnesium	7600	*	12/14/2024	1950
7439-96-5	Manganese	1100	*	12/14/2024	1950
7440-02-0	Nickel	11		12/14/2024	1950
7440-09-7	Potassium	490		12/14/2024	1950
7782-49-2	Selenium	3.1	U*	12/14/2024	1950
7440-22-4	Silver	0.89	U*	12/14/2024	1950
7440-23-5	Sodium	110	J	12/14/2024	1950
7440-28-0	Thallium	3.3		12/14/2024	1950
7440-62-2	Vanadium	15		12/14/2024	1950
7440-66-6	Zinc	110	*	12/14/2024	1950

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHJ39

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHD2

Matrix: SOIL Lab Sample ID: P4982-07

% Solids: 87 Date Received: 11/23/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	5800	*	12/14/2024	1954
7440-36-0	Antimony	1.3	J*	12/14/2024	1954
7440-38-2	Arsenic	12		12/14/2024	1954
7440-39-3	Barium	160	*	12/14/2024	1954
7440-41-7	Beryllium	0.44	J	12/14/2024	1954
7440-43-9	Cadmium	0.49		12/14/2024	1954
7440-70-2	Calcium	53000	*	12/14/2024	1954
7440-47-3	Chromium	7.9	*	12/14/2024	1954
7440-48-4	Cobalt	11	*	12/14/2024	1954
7440-50-8	Copper	16		12/14/2024	1954
7439-89-6	Iron	15000	*	12/14/2024	1954
7439-92-1	Lead	830	*	12/14/2024	1954
7439-95-4	Magnesium	4200	*	12/14/2024	1954
7439-96-5	Manganese	1200	*	12/14/2024	1954
7440-02-0	Nickel	12		12/14/2024	1954
7440-09-7	Potassium	570		12/14/2024	1954
7782-49-2	Selenium	3.4	U*	12/14/2024	1954
7440-22-4	Silver	0.97	U*	12/14/2024	1954
7440-23-5	Sodium	480	U	12/14/2024	1954
7440-28-0	Thallium	3.2		12/14/2024	1954
7440-62-2	Vanadium	15		12/14/2024	1954
7440-66-6	Zinc	70	*	12/14/2024	1954

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHJ40

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHD2

Matrix: SOIL Lab Sample ID: P4982-08

% Solids: 88.7 Date Received: 11/23/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	4900	*	12/14/2024	1958
7440-36-0	Antimony	0.50	J*	12/14/2024	1958
7440-38-2	Arsenic	6.8		12/14/2024	1958
7440-39-3	Barium	110	*	12/14/2024	1958
7440-41-7	Beryllium	0.35	J	12/14/2024	1958
7440-43-9	Cadmium	0.37	J	12/14/2024	1958
7440-70-2	Calcium	97000	D*	12/21/2024	0850
7440-47-3	Chromium	6.3	*	12/14/2024	1958
7440-48-4	Cobalt	10	*	12/14/2024	1958
7440-50-8	Copper	12		12/14/2024	1958
7439-89-6	Iron	13000	*	12/14/2024	1958
7439-92-1	Lead	940	*	12/14/2024	1958
7439-95-4	Magnesium	3900	*	12/14/2024	1958
7439-96-5	Manganese	1300	*	12/14/2024	1958
7440-02-0	Nickel	9.7		12/14/2024	1958
7440-09-7	Potassium	460	J	12/14/2024	1958
7782-49-2	Selenium	3.4	U*	12/14/2024	1958
7440-22-4	Silver	0.98	U*	12/14/2024	1958
7440-23-5	Sodium	99	J	12/14/2024	1958
7440-28-0	Thallium	3.5		12/14/2024	1958
7440-62-2	Vanadium	12		12/14/2024	1958
7440-66-6	Zinc	40	*	12/14/2024	1958

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHJD1

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHD2

Matrix: SOIL Lab Sample ID: P4982-09

% Solids: 78.4 Date Received: 11/23/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	7100	*	12/14/2024	2001
7440-36-0	Antimony	1.8	J*	12/14/2024	2001
7440-38-2	Arsenic	5.1		12/14/2024	2001
7440-39-3	Barium	68	*	12/14/2024	2001
7440-41-7	Beryllium	0.50	J	12/14/2024	2001
7440-43-9	Cadmium	0.48	J	12/14/2024	2001
7440-70-2	Calcium	17000	*	12/14/2024	2001
7440-47-3	Chromium	10	*	12/14/2024	2001
7440-48-4	Cobalt	8.8	*	12/14/2024	2001
7440-50-8	Copper	13		12/14/2024	2001
7439-89-6	Iron	14000	*	12/14/2024	2001
7439-92-1	Lead	71	*	12/14/2024	2001
7439-95-4	Magnesium	7800	*	12/14/2024	2001
7439-96-5	Manganese	560	*	12/14/2024	2001
7440-02-0	Nickel	16		12/14/2024	2001
7440-09-7	Potassium	1000		12/14/2024	2001
7782-49-2	Selenium	3.6	U*	12/14/2024	2001
7440-22-4	Silver	1.0	U*	12/14/2024	2001
7440-23-5	Sodium	510	U	12/14/2024	2001
7440-28-0	Thallium	1.4	J	12/14/2024	2001
7440-62-2	Vanadium	17		12/14/2024	2001
7440-66-6	Zinc	100	*	12/14/2024	2001

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHJD3

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHD2

Matrix: SOIL Lab Sample ID: P4982-10

% Solids: 89.3 Date Received: 11/23/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	8400	*	12/14/2024	2005
7440-36-0	Antimony	1.9	J*	12/14/2024	2005
7440-38-2	Arsenic	3.7		12/14/2024	2005
7440-39-3	Barium	78	*	12/14/2024	2005
7440-41-7	Beryllium	0.59		12/14/2024	2005
7440-43-9	Cadmium	0.53		12/14/2024	2005
7440-70-2	Calcium	40000	*	12/14/2024	2005
7440-47-3	Chromium	12	*	12/14/2024	2005
7440-48-4	Cobalt	11	*	12/14/2024	2005
7440-50-8	Copper	11		12/14/2024	2005
7439-89-6	Iron	18000	*	12/14/2024	2005
7439-92-1	Lead	34	*	12/14/2024	2005
7439-95-4	Magnesium	14000	*	12/14/2024	2005
7439-96-5	Manganese	570	*	12/14/2024	2005
7440-02-0	Nickel	17		12/14/2024	2005
7440-09-7	Potassium	810		12/14/2024	2005
7782-49-2	Selenium	3.6	U*	12/14/2024	2005
7440-22-4	Silver	1.0	U*	12/14/2024	2005
7440-23-5	Sodium	130	J	12/14/2024	2005
7440-28-0	Thallium	1.6	J	12/14/2024	2005
7440-62-2	Vanadium	20		12/14/2024	2005
7440-66-6	Zinc	100	*	12/14/2024	2005

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHJD4

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHD2

Matrix: SOIL Lab Sample ID: P4982-11

% Solids: 89.2 Date Received: 11/23/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	7700	*	12/14/2024	2009
7440-36-0	Antimony	1.9	J*	12/14/2024	2009
7440-38-2	Arsenic	4.0		12/14/2024	2009
7440-39-3	Barium	74	*	12/14/2024	2009
7440-41-7	Beryllium	0.56		12/14/2024	2009
7440-43-9	Cadmium	0.58		12/14/2024	2009
7440-70-2	Calcium	39000	*	12/14/2024	2009
7440-47-3	Chromium	10	*	12/14/2024	2009
7440-48-4	Cobalt	11	*	12/14/2024	2009
7440-50-8	Copper	12		12/14/2024	2009
7439-89-6	Iron	17000	*	12/14/2024	2009
7439-92-1	Lead	34	*	12/14/2024	2009
7439-95-4	Magnesium	14000	*	12/14/2024	2009
7439-96-5	Manganese	560	*	12/14/2024	2009
7440-02-0	Nickel	17		12/14/2024	2009
7440-09-7	Potassium	640		12/14/2024	2009
7782-49-2	Selenium	3.2	U*	12/14/2024	2009
7440-22-4	Silver	0.93	U*	12/14/2024	2009
7440-23-5	Sodium	460	U	12/14/2024	2009
7440-28-0	Thallium	1.7	J	12/14/2024	2009
7440-62-2	Vanadium	19		12/14/2024	2009
7440-66-6	Zinc	110	*	12/14/2024	2009

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHJD5

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHD2

Matrix: SOIL Lab Sample ID: P4982-12

% Solids: 90.3 Date Received: 11/23/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	7700	*	12/14/2024	2013
7440-36-0	Antimony	2.3	J*	12/14/2024	2013
7440-38-2	Arsenic	11		12/14/2024	2013
7440-39-3	Barium	100	*	12/14/2024	2013
7440-41-7	Beryllium	0.61		12/14/2024	2013
7440-43-9	Cadmium	0.81		12/14/2024	2013
7440-70-2	Calcium	30000	*	12/14/2024	2013
7440-47-3	Chromium	11	*	12/14/2024	2013
7440-48-4	Cobalt	11	*	12/14/2024	2013
7440-50-8	Copper	26		12/14/2024	2013
7439-89-6	Iron	17000	*	12/14/2024	2013
7439-92-1	Lead	140	*	12/14/2024	2013
7439-95-4	Magnesium	7800	*	12/14/2024	2013
7439-96-5	Manganese	740	*	12/14/2024	2013
7440-02-0	Nickel	20		12/14/2024	2013
7440-09-7	Potassium	570		12/14/2024	2013
7782-49-2	Selenium	2.8	U*	12/14/2024	2013
7440-22-4	Silver	0.81	U*	12/14/2024	2013
7440-23-5	Sodium	93	J	12/14/2024	2013
7440-28-0	Thallium	1.6	J	12/14/2024	2013
7440-62-2	Vanadium	21		12/14/2024	2013
7440-66-6	Zinc	120	*	12/14/2024	2013

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHJD6

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHD2

Matrix: SOIL Lab Sample ID: P4982-13

% Solids: 86.6 Date Received: 11/23/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	7600	*	12/14/2024	2017
7440-36-0	Antimony	3.5	J*	12/14/2024	2017
7440-38-2	Arsenic	22		12/14/2024	2017
7440-39-3	Barium	150	*	12/14/2024	2017
7440-41-7	Beryllium	0.75		12/14/2024	2017
7440-43-9	Cadmium	0.80		12/14/2024	2017
7440-70-2	Calcium	12000	*	12/14/2024	2017
7440-47-3	Chromium	11	*	12/14/2024	2017
7440-48-4	Cobalt	12	*	12/14/2024	2017
7440-50-8	Copper	32		12/14/2024	2017
7439-89-6	Iron	21000	*	12/14/2024	2017
7439-92-1	Lead	190	*	12/14/2024	2017
7439-95-4	Magnesium	2500	*	12/14/2024	2017
7439-96-5	Manganese	1500	*	12/14/2024	2017
7440-02-0	Nickel	16		12/14/2024	2017
7440-09-7	Potassium	620		12/14/2024	2017
7782-49-2	Selenium	2.1	J*	12/14/2024	2017
7440-22-4	Silver	0.95	U*	12/14/2024	2017
7440-23-5	Sodium	120	J	12/14/2024	2017
7440-28-0	Thallium	1.9	J	12/14/2024	2017
7440-62-2	Vanadium	27		12/14/2024	2017
7440-66-6	Zinc	120	*	12/14/2024	2017

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHJD7

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHD2

Matrix: SOIL Lab Sample ID: P4982-14

% Solids: 87.1 Date Received: 11/23/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	8000	*	12/14/2024	2020
7440-36-0	Antimony	3.4	J*	12/14/2024	2020
7440-38-2	Arsenic	10		12/14/2024	2020
7440-39-3	Barium	100	*	12/14/2024	2020
7440-41-7	Beryllium	0.75		12/14/2024	2020
7440-43-9	Cadmium	0.58		12/14/2024	2020
7440-70-2	Calcium	12000	*	12/14/2024	2020
7440-47-3	Chromium	9.9	*	12/14/2024	2020
7440-48-4	Cobalt	12	*	12/14/2024	2020
7440-50-8	Copper	20		12/14/2024	2020
7439-89-6	Iron	21000	*	12/14/2024	2020
7439-92-1	Lead	92	*	12/14/2024	2020
7439-95-4	Magnesium	3600	*	12/14/2024	2020
7439-96-5	Manganese	1800	*	12/14/2024	2020
7440-02-0	Nickel	14		12/14/2024	2020
7440-09-7	Potassium	670		12/14/2024	2020
7782-49-2	Selenium	2.3	J*	12/14/2024	2020
7440-22-4	Silver	0.97	U*	12/14/2024	2020
7440-23-5	Sodium	480	U	12/14/2024	2020
7440-28-0	Thallium	2.8		12/14/2024	2020
7440-62-2	Vanadium	18		12/14/2024	2020
7440-66-6	Zinc	48	*	12/14/2024	2020

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHJE9

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHD2

Matrix: SOIL Lab Sample ID: P4982-15

% Solids: 90.9 Date Received: 11/23/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	3600	*	12/14/2024	2039
7440-36-0	Antimony	6.1	U*	12/14/2024	2039
7440-38-2	Arsenic	2.3		12/14/2024	2039
7440-39-3	Barium	60	*	12/14/2024	2039
7440-41-7	Beryllium	0.24	J	12/14/2024	2039
7440-43-9	Cadmium	0.26	J	12/14/2024	2039
7440-70-2	Calcium	180000	D*	12/23/2024	1821
7440-47-3	Chromium	4.7	*	12/14/2024	2039
7440-48-4	Cobalt	10	*	12/14/2024	2039
7440-50-8	Copper	12		12/14/2024	2039
7439-89-6	Iron	11000	*	12/14/2024	2039
7439-92-1	Lead	9.3	*	12/14/2024	2039
7439-95-4	Magnesium	6900	*	12/14/2024	2039
7439-96-5	Manganese	1500	*	12/14/2024	2039
7440-02-0	Nickel	11		12/14/2024	2039
7440-09-7	Potassium	460	J	12/14/2024	2039
7782-49-2	Selenium	3.6	U*	12/14/2024	2039
7440-22-4	Silver	1.0	U*	12/14/2024	2039
7440-23-5	Sodium	510	U	12/14/2024	2039
7440-28-0	Thallium	4.1		12/14/2024	2039
7440-62-2	Vanadium	7.9		12/14/2024	2039
7440-66-6	Zinc	14	*	12/14/2024	2039

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHJF0

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHD2

Matrix: SOIL Lab Sample ID: P4982-16

% Solids: 88.2 Date Received: 11/23/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	3100	*	12/14/2024	2043
7440-36-0	Antimony	4.8	U*	12/14/2024	2043
7440-38-2	Arsenic	3.5		12/14/2024	2043
7440-39-3	Barium	55	*	12/14/2024	2043
7440-41-7	Beryllium	0.21	J	12/14/2024	2043
7440-43-9	Cadmium	0.34	J	12/14/2024	2043
7440-70-2	Calcium	220000	D*	12/23/2024	1824
7440-47-3	Chromium	3.9	*	12/14/2024	2043
7440-48-4	Cobalt	9.6	*	12/14/2024	2043
7440-50-8	Copper	10		12/14/2024	2043
7439-89-6	Iron	10000	*	12/14/2024	2043
7439-92-1	Lead	30	*	12/14/2024	2043
7439-95-4	Magnesium	7700	*	12/14/2024	2043
7439-96-5	Manganese	1600	*	12/14/2024	2043
7440-02-0	Nickel	9.0		12/14/2024	2043
7440-09-7	Potassium	380	J	12/14/2024	2043
7782-49-2	Selenium	2.8	U*	12/14/2024	2043
7440-22-4	Silver	0.80	U*	12/14/2024	2043
7440-23-5	Sodium	400	U	12/14/2024	2043
7440-28-0	Thallium	4.4		12/14/2024	2043
7440-62-2	Vanadium	7.8		12/14/2024	2043
7440-66-6	Zinc	32	*	12/14/2024	2043

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHJF1

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHD2

Matrix: SOIL Lab Sample ID: P4982-17

% Solids: 85.7 Date Received: 11/23/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	6500	*	12/14/2024	2047
7440-36-0	Antimony	2.2	J*	12/14/2024	2047
7440-38-2	Arsenic	11		12/14/2024	2047
7440-39-3	Barium	150	*	12/14/2024	2047
7440-41-7	Beryllium	0.53	J	12/14/2024	2047
7440-43-9	Cadmium	0.73		12/14/2024	2047
7440-70-2	Calcium	73000	*	12/14/2024	2047
7440-47-3	Chromium	8.4	*	12/14/2024	2047
7440-48-4	Cobalt	15	*	12/14/2024	2047
7440-50-8	Copper	21		12/14/2024	2047
7439-89-6	Iron	20000	*	12/14/2024	2047
7439-92-1	Lead	44	*	12/14/2024	2047
7439-95-4	Magnesium	6000	*	12/14/2024	2047
7439-96-5	Manganese	2900	*	12/14/2024	2047
7440-02-0	Nickel	18		12/14/2024	2047
7440-09-7	Potassium	710		12/14/2024	2047
7782-49-2	Selenium	3.8	U*	12/14/2024	2047
7440-22-4	Silver	1.1	U*	12/14/2024	2047
7440-23-5	Sodium	540	U	12/14/2024	2047
7440-28-0	Thallium	5.3		12/14/2024	2047
7440-62-2	Vanadium	16		12/14/2024	2047
7440-66-6	Zinc	48	*	12/14/2024	2047

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHJF2

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHD2

Matrix: SOIL Lab Sample ID: P4982-18

% Solids: 87 Date Received: 11/23/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	5000	*	12/14/2024	2050
7440-36-0	Antimony	2.2	J*	12/14/2024	2050
7440-38-2	Arsenic	9.7		12/14/2024	2050
7440-39-3	Barium	150	*	12/14/2024	2050
7440-41-7	Beryllium	0.44		12/14/2024	2050
7440-43-9	Cadmium	0.59		12/14/2024	2050
7440-70-2	Calcium	59000	*	12/14/2024	2050
7440-47-3	Chromium	7.7	*	12/14/2024	2050
7440-48-4	Cobalt	12	*	12/14/2024	2050
7440-50-8	Copper	16		12/14/2024	2050
7439-89-6	Iron	17000	*	12/14/2024	2050
7439-92-1	Lead	53	*	12/14/2024	2050
7439-95-4	Magnesium	6800	*	12/14/2024	2050
7439-96-5	Manganese	2300	*	12/14/2024	2050
7440-02-0	Nickel	14		12/14/2024	2050
7440-09-7	Potassium	680		12/14/2024	2050
7782-49-2	Selenium	3.1	U*	12/14/2024	2050
7440-22-4	Silver	0.88	U*	12/14/2024	2050
7440-23-5	Sodium	93	J	12/14/2024	2050
7440-28-0	Thallium	4.2		12/14/2024	2050
7440-62-2	Vanadium	15		12/14/2024	2050
7440-66-6	Zinc	48	*	12/14/2024	2050

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHJF3

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHD2

Matrix: SOIL Lab Sample ID: P4982-19

% Solids: 87 Date Received: 11/23/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	5000	*	12/14/2024	2054
7440-36-0	Antimony	2.4	J*	12/14/2024	2054
7440-38-2	Arsenic	13		12/14/2024	2054
7440-39-3	Barium	160	*	12/14/2024	2054
7440-41-7	Beryllium	0.57		12/14/2024	2054
7440-43-9	Cadmium	0.61		12/14/2024	2054
7440-70-2	Calcium	64000	*	12/14/2024	2054
7440-47-3	Chromium	6.7	*	12/14/2024	2054
7440-48-4	Cobalt	11	*	12/14/2024	2054
7440-50-8	Copper	22		12/14/2024	2054
7439-89-6	Iron	18000	*	12/14/2024	2054
7439-92-1	Lead	100	*	12/14/2024	2054
7439-95-4	Magnesium	12000	*	12/14/2024	2054
7439-96-5	Manganese	2000	*	12/14/2024	2054
7440-02-0	Nickel	15		12/14/2024	2054
7440-09-7	Potassium	680		12/14/2024	2054
7782-49-2	Selenium	3.0	U*	12/14/2024	2054
7440-22-4	Silver	0.86	U*	12/14/2024	2054
7440-23-5	Sodium	180	J	12/14/2024	2054
7440-28-0	Thallium	3.5		12/14/2024	2054
7440-62-2	Vanadium	15		12/14/2024	2054
7440-66-6	Zinc	67	*	12/14/2024	2054

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHJF4

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHD2

Matrix: SOIL Lab Sample ID: P4982-20

% Solids: 89.3 Date Received: 11/23/2024

Analytical Method: ICP_AES

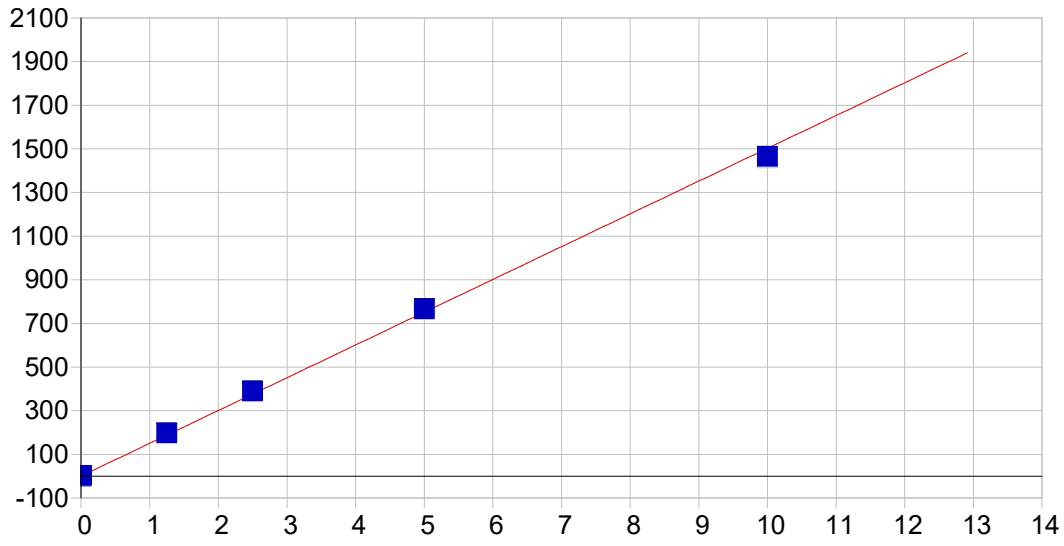
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	5600	*	12/14/2024	1545
7440-36-0	Antimony	1.4	J*	12/14/2024	1545
7440-38-2	Arsenic	2.7		12/14/2024	1545
7440-39-3	Barium	35	*	12/14/2024	1545
7440-41-7	Beryllium	0.39	J	12/14/2024	1545
7440-43-9	Cadmium	0.28	J	12/14/2024	1545
7440-70-2	Calcium	24000	*	12/14/2024	1545
7440-47-3	Chromium	7.9	*	12/14/2024	1545
7440-48-4	Cobalt	9.3	*	12/14/2024	1545
7440-50-8	Copper	7.0		12/14/2024	1545
7439-89-6	Iron	13000	*	12/14/2024	1545
7439-92-1	Lead	15	*	12/14/2024	1545
7439-95-4	Magnesium	9200	*	12/14/2024	1545
7439-96-5	Manganese	570	*	12/14/2024	1545
7440-02-0	Nickel	14		12/14/2024	1545
7440-09-7	Potassium	500		12/14/2024	1545
7782-49-2	Selenium	2.8	U*	12/14/2024	1545
7440-22-4	Silver	0.81	U*	12/14/2024	1545
7440-23-5	Sodium	110	J	12/14/2024	1545
7440-28-0	Thallium	1.5	J	12/14/2024	1545
7440-62-2	Vanadium	13		12/14/2024	1545
7440-66-6	Zinc	30	*	12/14/2024	1545

NOTE: Hardness (total) is reported in mg/L

Comments:

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



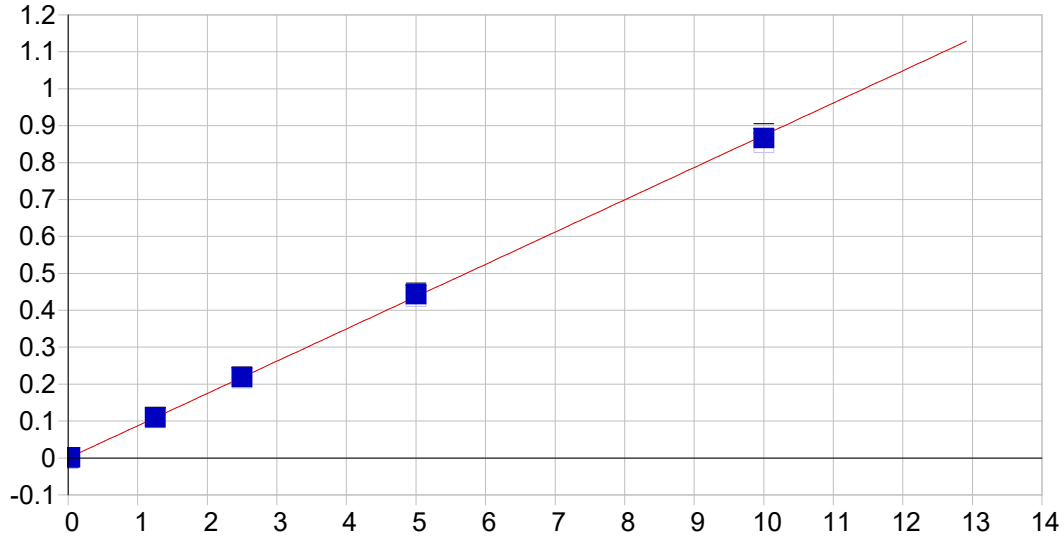
As 189.042 {478}

Date of Fit:	12/14/2024 12:11:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.214427	Re-Slope:	1.000000
A1 (Gain):	150.230491	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999594	Status:	OK.
Std Error of Est:	0.071516		
Predicted MDL:	0.004902		
Predicted MQL:	0.016339		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.21409	.304	1
S1	.01000	.01147	.001	14.7	1.9359	.083	1
S2	1.2500	1.3106	.061	4.85	196.32	.244	1
S3	2.5000	2.5936	.094	3.74	388.27	.597	1
S4	5.0000	5.0992	.099	1.98	763.12	2.64	1
S5	10.000	9.7451	-.255	-2.55	1457.9	2.30	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



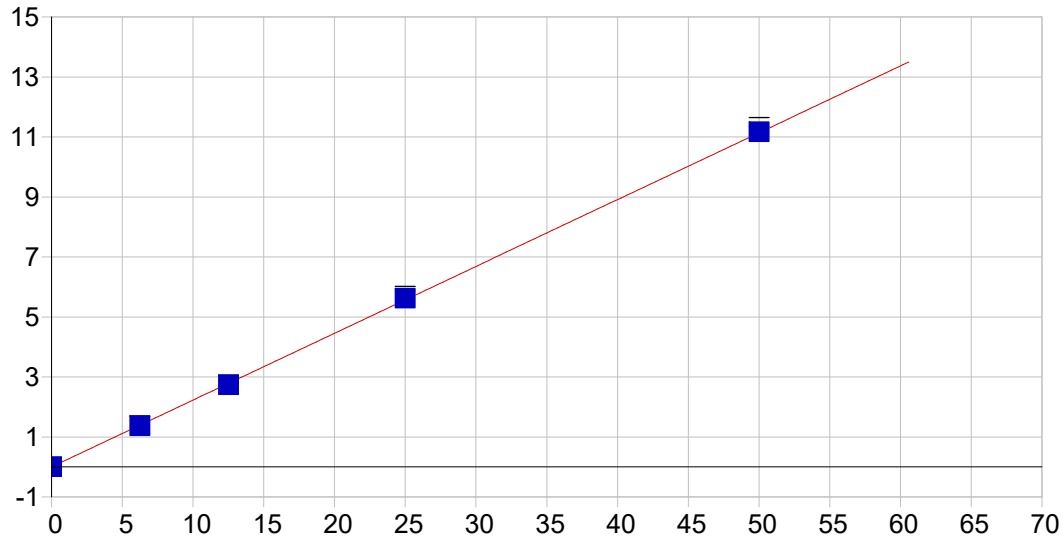
Tl 190.856 {477}

Date of Fit:	12/14/2024 12:11:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000030	Re-Slope:	1.000000
A1 (Gain):	0.087402	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999930	Status:	OK.
Std Error of Est:	0.000027		
Predicted MDL:	0.002712		
Predicted MQL:	0.009042		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00003	.000	1
S1	.02500	.02119	-.004	-15.2	.00174	.000	1
S2	1.2500	1.2600	.010	.797	.10840	.000	1
S3	2.5000	2.5035	.004	.140	.21540	.000	1
S4	5.0000	5.0757	.076	1.51	.43683	.004	1
S5	10.000	9.9146	-.085	-.854	.85300	.012	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



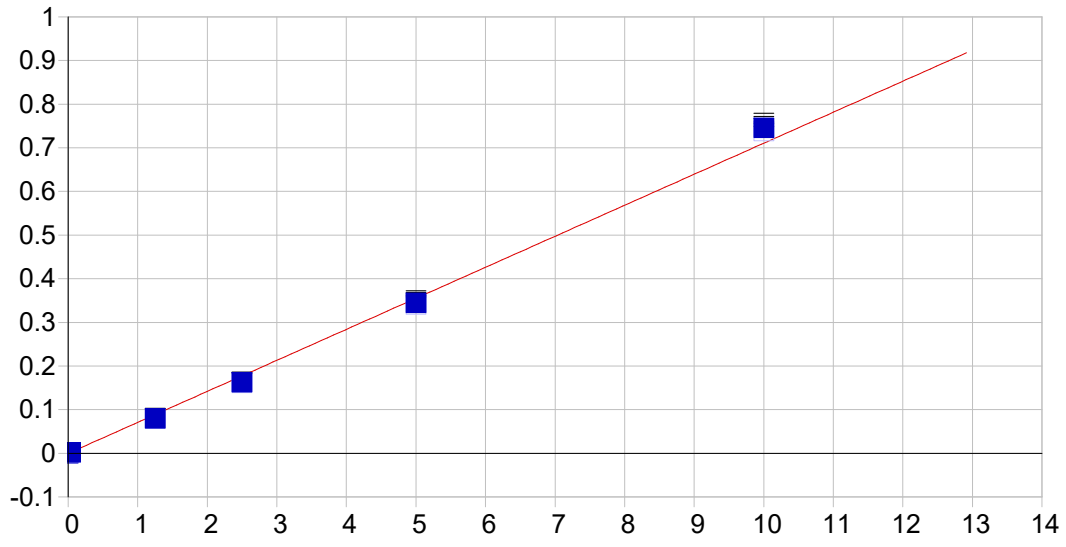
Pb 220.353 {453}

Date of Fit:	12/14/2024 12:11:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000580	Re-Slope:	1.000000
A1 (Gain):	0.222764	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999948	Status:	OK.
Std Error of Est:	0.000085		
Predicted MDL:	0.002466		
Predicted MQL:	0.008220		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00058	.000	1
S1	.01000	.01127	.001	12.7	.00192	.000	1
S2	6.2500	6.1200	-.130	-2.08	1.3614	.007	1
S3	12.500	12.265	-.235	-1.88	2.7291	.002	1
S4	25.000	25.227	.227	.910	5.6140	.072	1
S5	50.000	50.136	.136	.272	11.158	.156	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



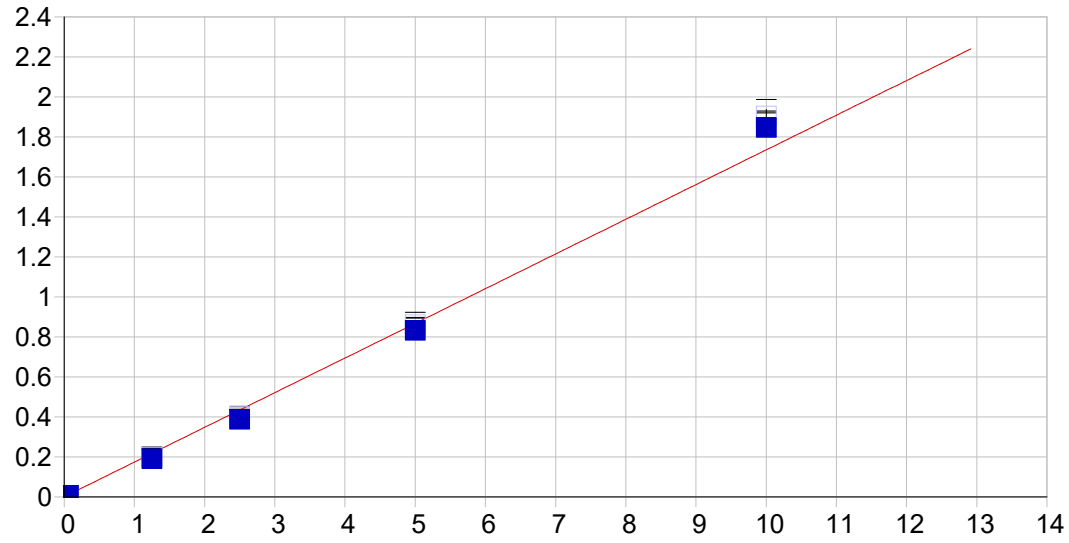
Se 196.090 {472}

Date of Fit:	12/14/2024 12:11:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000237	Re-Slope:	1.000000
A1 (Gain):	0.071077	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998383	Status:	OK.
Std Error of Est:	0.000126		
Predicted MDL:	0.004591		
Predicted MQL:	0.015305		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	-.00024	.000	1
S1	.03500	.02808	-.007	-19.8	.00176	.000	1
S2	1.2500	1.1251	-.125	-9.99	.07880	.001	1
S3	2.5000	2.2937	-.206	-8.25	.16093	.000	1
S4	5.0000	4.8474	-.153	-3.05	.34057	.005	1
S5	10.000	10.491	.491	4.91	.73795	.011	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



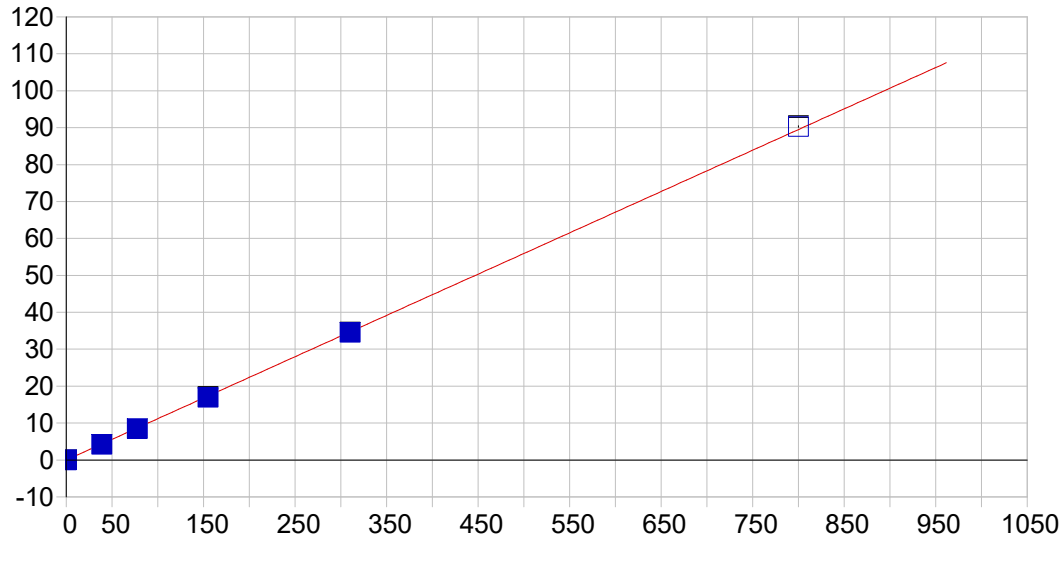
Sb 206.833 {463}

Date of Fit:	12/14/2024 12:11:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000778	Re-Slope:	1.000000
A1 (Gain):	0.173410	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.997518	Status:	OK.
Std Error of Est:	0.000520		
Predicted MDL:	0.002631		
Predicted MQL:	0.008771		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00078	.001	1
S1	.06000	.05110	-.009	-14.8	.00964	.000	1
S2	1.2500	1.0953	-.155	-12.4	.19797	.002	1
S3	2.5000	2.2293	-.271	-10.8	.40184	.001	1
S4	5.0000	4.7900	-.210	-4.20	.86040	.013	1
S5	10.000	10.644	.644	6.44	1.9045	.033	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



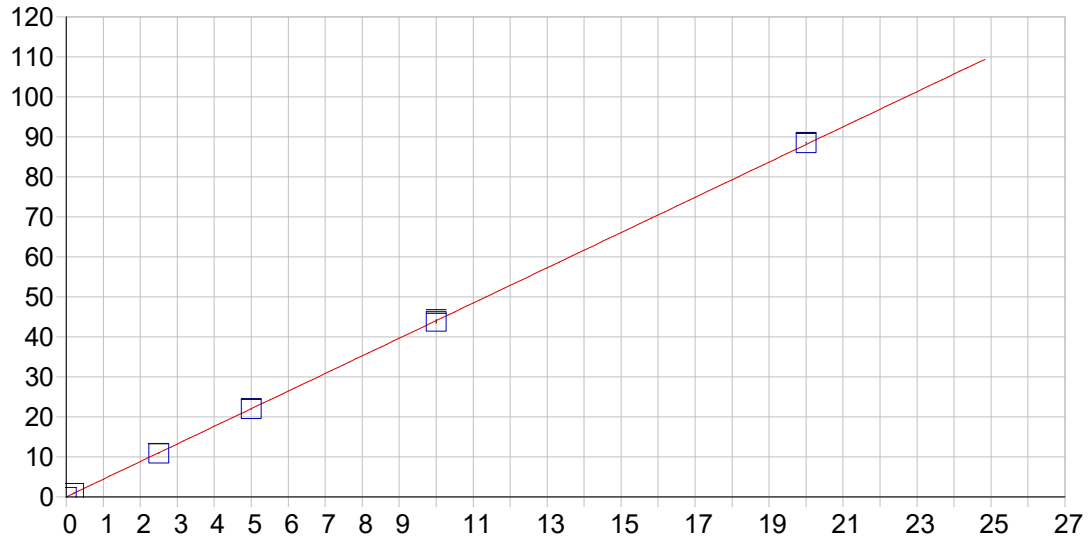
Al 396.152 { 85}

Date of Fit:	12/14/2024 12:15:07	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001949	Re-Slope:	1.000000
A1 (Gain):	0.111876	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999928	Status:	OK.
Std Error of Est:	0.000833		
Predicted MDL:	0.022503		
Predicted MQL:	0.075011		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.00195	.001	1
S1	.20000	.21782	.018	8.91	.02246	.003	1
S2	38.750	37.682	-1.07	-2.76	4.2184	.014	1
S3	77.500	75.965	-1.53	-1.98	8.5061	.023	1
S4	155.00	151.73	-3.27	-2.11	16.992	.174	1
S5	310.00	308.76	-1.24	-.399	34.579	.018	1
S6	800.00	807.10	7.10	.887	90.293	.224	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



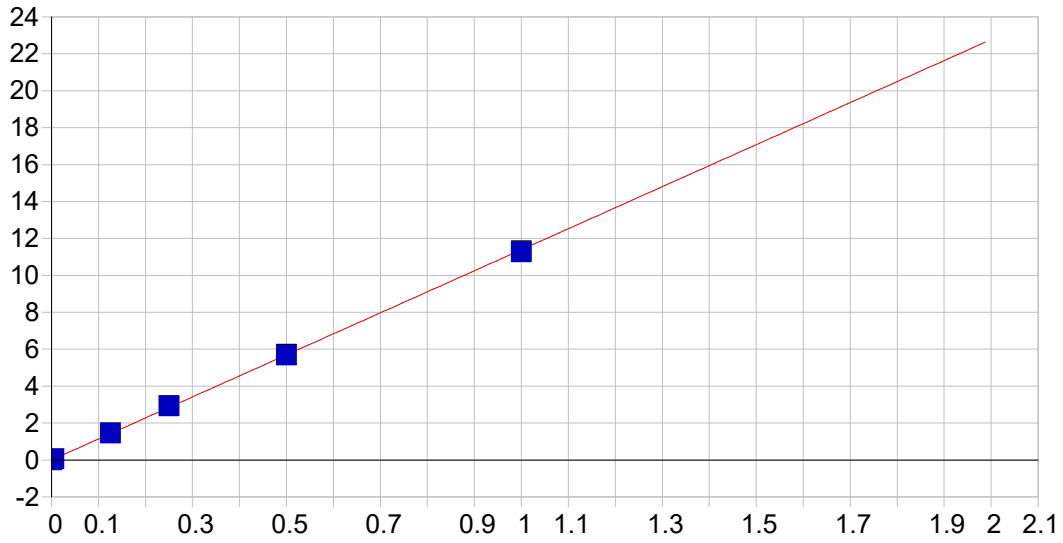
Ba 493.409 { 68}

Date of Fit:	12/14/2024 12:11:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.024769	Re-Slope:	1.000000
A1 (Gain):	4.404087	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999978	Status:	OK.
Std Error of Est:	0.003113		
Predicted MDL:	0.001044		
Predicted MQL:	0.003481		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.02475	.005	1
S1	.20000	.20834	.008	4.17	.94231	.005	1
S2	2.5000	2.4579	-.042	-1.68	10.850	.011	1
S3	5.0000	4.9940	-.006	-.121	22.019	.090	1
S4	10.000	9.9527	-.047	-.473	43.857	.449	1
S5	20.000	20.087	.087	.435	88.490	.110	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



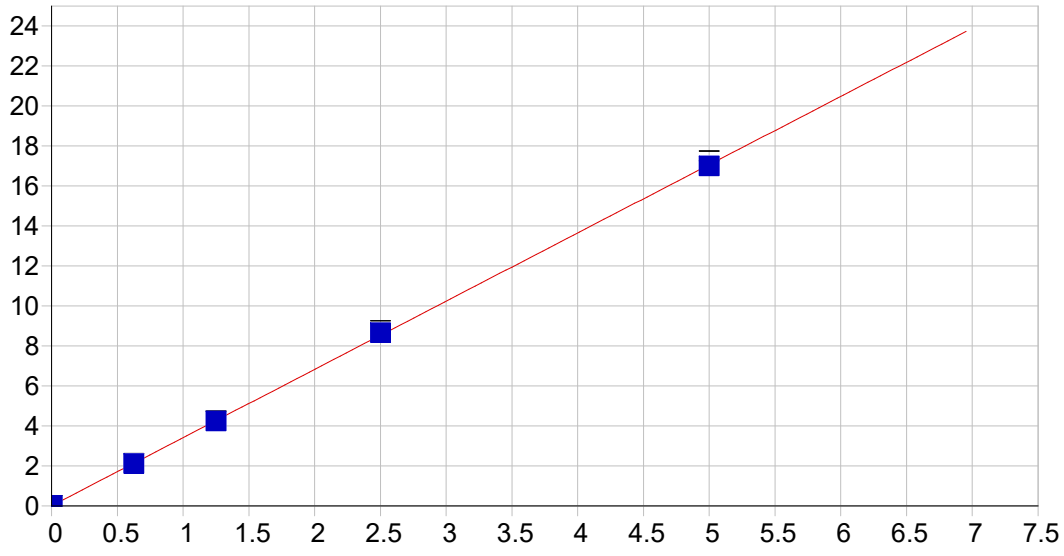
Be 234.861 {144}

Date of Fit:	12/14/2024 12:11:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000132	Re-Slope:	1.000000
A1 (Gain):	11.387123	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999903	Status:	OK.
Std Error of Est:	0.000592		
Predicted MDL:	0.000120		
Predicted MQL:	0.000399		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00014	.000	1
S1	.00500	.00537	.000	7.39	.06096	.001	1
S2	.12500	.12788	.003	2.30	1.4495	.004	1
S3	.25000	.25681	.007	2.72	2.9111	.012	1
S4	.50000	.49885	-.001	-.231	5.6542	.056	1
S5	1.0000	.99110	-.009	-.890	11.233	.047	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



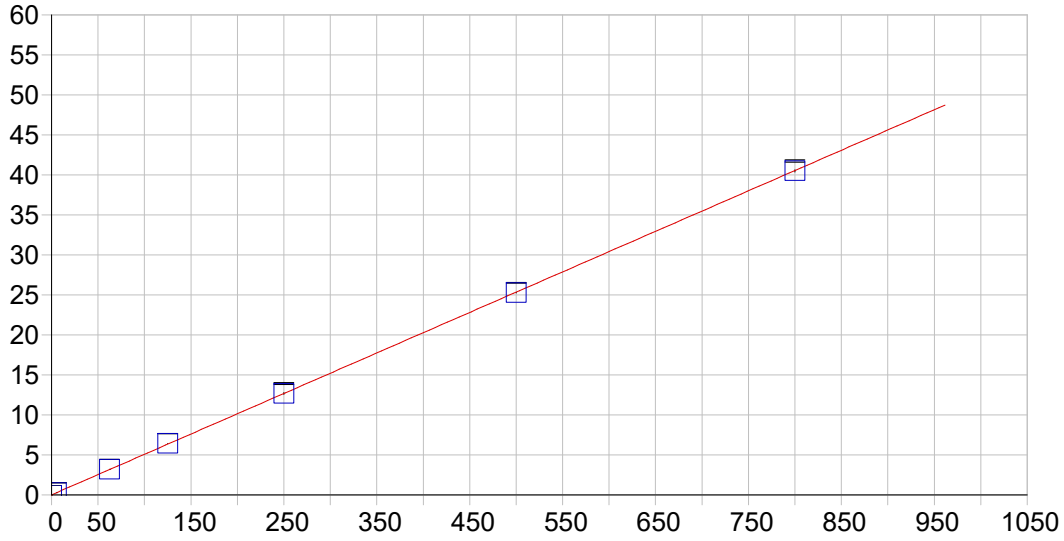
Cd 214.438 {457}

Date of Fit:	12/14/2024 12:11:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000636	Re-Slope:	1.000000
A1 (Gain):	3.413332	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999965	Status:	OK.
Std Error of Est:	0.000240		
Predicted MDL:	0.000107		
Predicted MQL:	0.000358		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00064	.000	1
S1	.00500	.00486	-.000	-2.79	.01729	.000	1
S2	.62500	.62040	-.005	-.737	2.1215	.012	1
S3	1.2500	1.2418	-.008	-.656	4.2459	.005	1
S4	2.5000	2.5345	.035	1.38	8.6649	.108	1
S5	5.0000	4.9784	-.022	-.432	17.020	.242	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



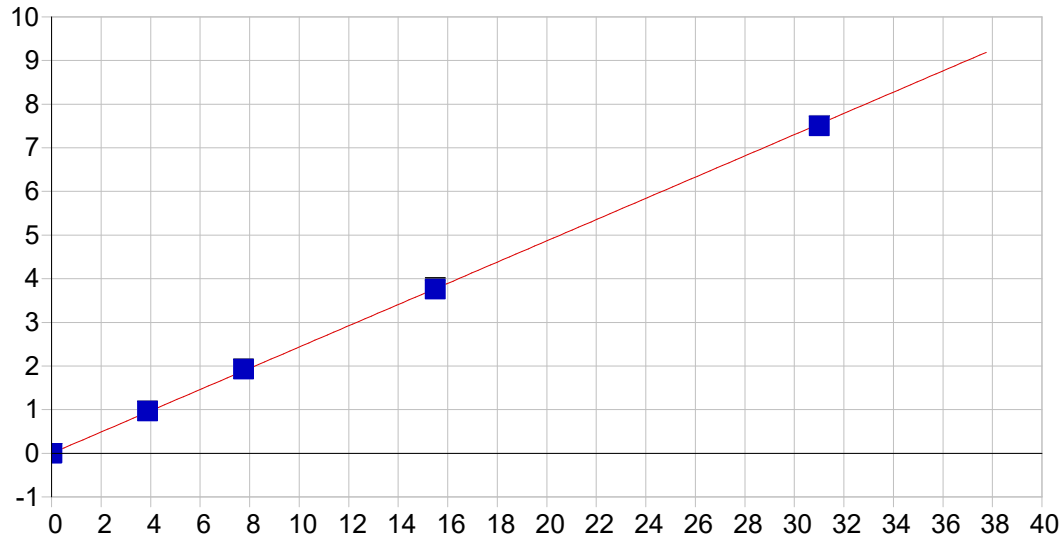
Ca 373.690 { 90}

Date of Fit:	12/14/2024 12:15:07	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.007479	Re-Slope:	1.000000
A1 (Gain):	0.050675	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999990	Status:	OK.
Std Error of Est:	0.000795		
Predicted MDL:	0.038942		
Predicted MQL:	0.129805		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00022	-.000	.000	.00747	.001	1
S1	5.0000	5.1246	.125	2.49	.26716	.001	1
S2	62.500	63.122	.622	.996	3.2062	.012	1
S3	125.00	126.64	1.64	1.31	6.4250	.014	1
S4	250.00	249.72	-.280	-.112	12.662	.121	1
S5	500.00	498.76	-1.24	-.248	25.282	.034	1
S6	800.00	799.13	-.869	-.109	40.503	.136	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



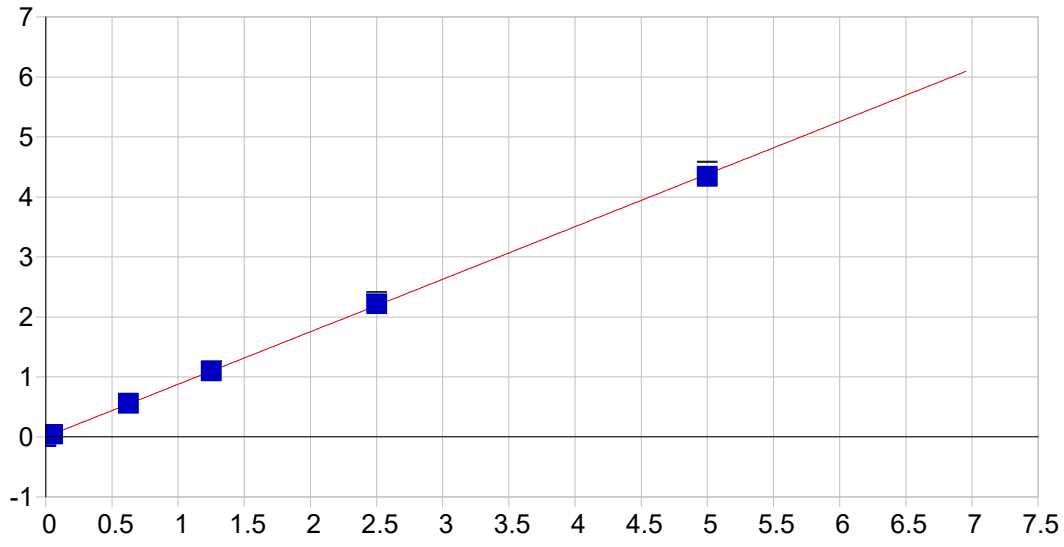
Cr 267.716 {126}

Date of Fit:	12/14/2024 12:11:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000089	Re-Slope:	1.000000
A1 (Gain):	0.243392	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999947	Status:	OK.
Std Error of Est:	0.000074		
Predicted MDL:	0.000920		
Predicted MQL:	0.003068		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00009	.000	1
S1	.01000	.01062	.001	6.18	.00268	.000	1
S2	3.8750	3.9508	.076	1.96	.96242	.002	1
S3	7.7500	7.9110	.161	2.08	1.9270	.001	1
S4	15.500	15.445	-.055	-.357	3.7621	.032	1
S5	31.000	30.818	-.182	-.588	7.5068	.008	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



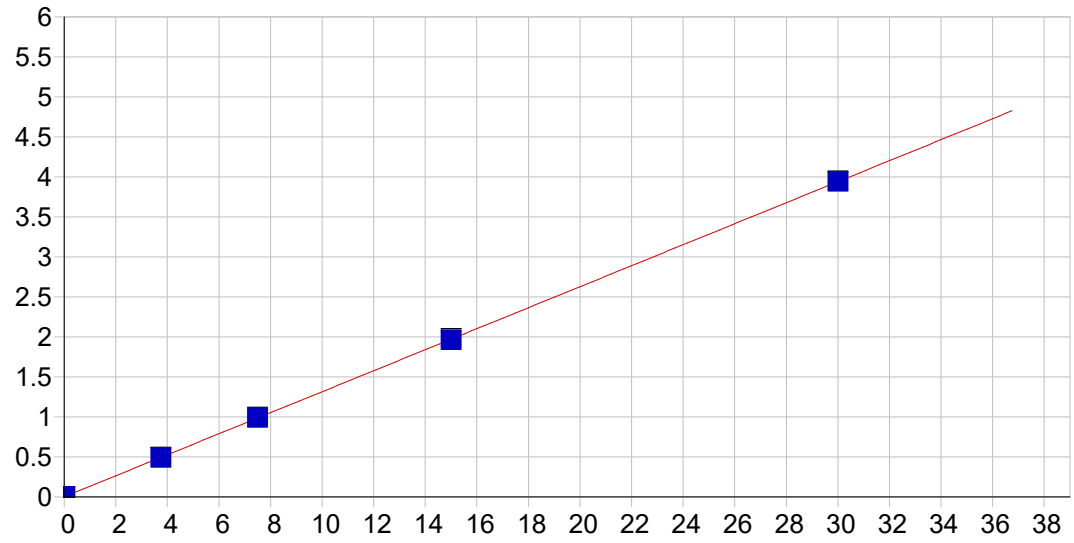
Co 228.616 {448}

Date of Fit:	12/14/2024 12:11:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000169	Re-Slope:	1.000000
A1 (Gain):	0.876111	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999945	Status:	OK.
Std Error of Est:	0.000244		
Predicted MDL:	0.000464		
Predicted MQL:	0.001547		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00017	.000	1
S1	.05000	.05214	.002	4.28	.04599	.001	1
S2	.62500	.63394	.009	1.43	.55734	.003	1
S3	1.2500	1.2524	.002	.192	1.1009	.002	1
S4	2.5000	2.5318	.032	1.27	2.2253	.030	1
S5	5.0000	4.9547	-.045	-.905	4.3552	.072	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



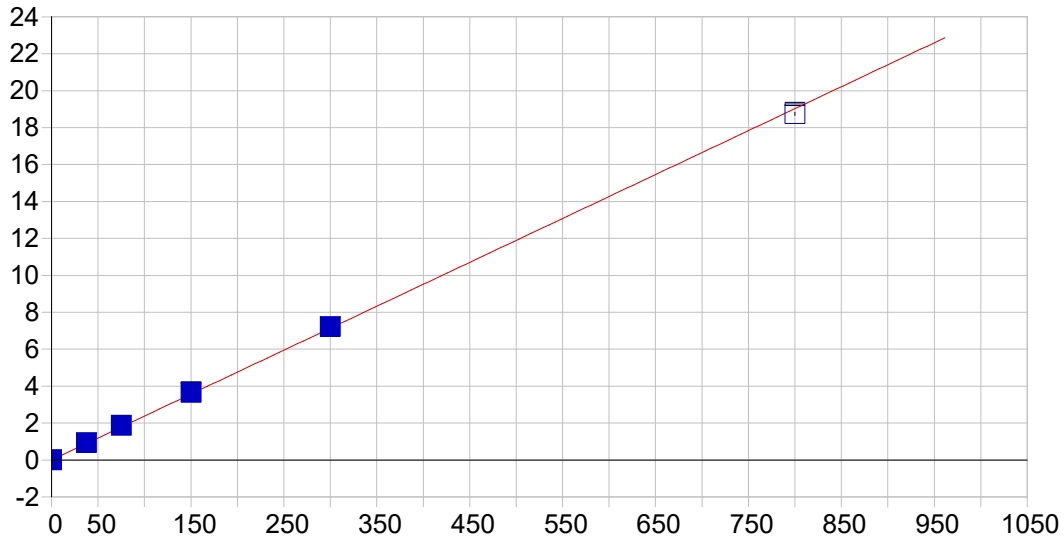
Cu 324.754 {104}

Date of Fit:	12/14/2024 12:11:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001948	Re-Slope:	1.000000
A1 (Gain):	0.131273	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999994	Status:	OK.
Std Error of Est:	0.000021		
Predicted MDL:	0.008613		
Predicted MQL:	0.028709		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00195	.000	1
S1	.02500	.02541	.000	1.64	.00528	.001	1
S2	3.7500	3.7443	-.006	-.153	.49341	.002	1
S3	7.5000	7.5546	.055	.728	.99355	.003	1
S4	15.000	14.935	-.065	-.434	1.9623	.016	1
S5	30.000	30.016	.016	.053	3.9418	.005	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



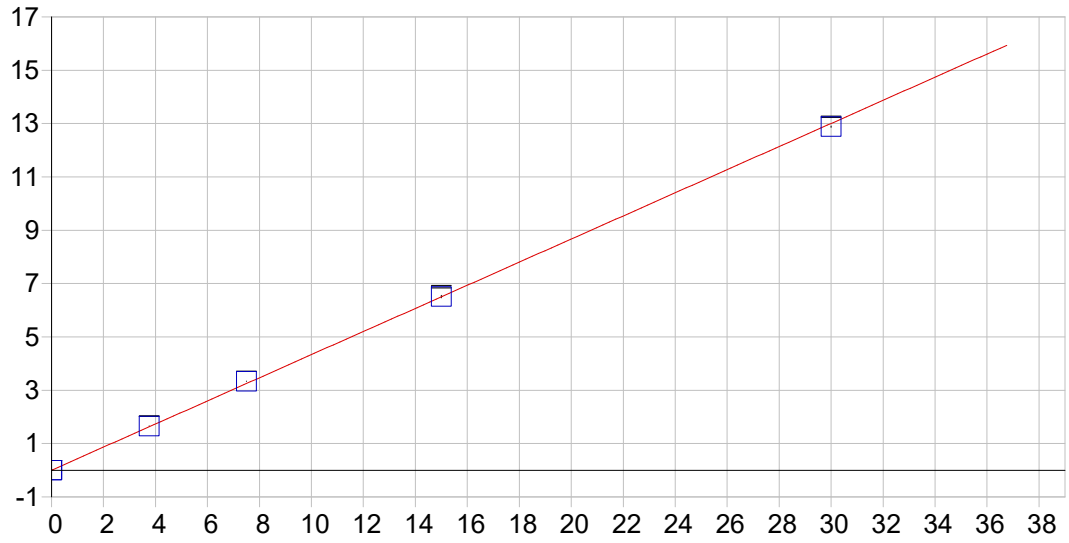
Fe 259.837 {130}

Date of Fit:	12/14/2024 12:15:07	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000004	Re-Slope:	1.000000
A1 (Gain):	0.023786	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999814	Status:	OK.
Std Error of Est:	0.000200		
Predicted MDL:	0.032611		
Predicted MQL:	0.108703		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00002	-.000	.000	.00000	.000	1
S1	.10000	.11023	.010	10.2	.00263	.000	1
S2	37.500	38.891	1.39	3.71	.92524	.003	1
S3	75.000	78.481	3.48	4.64	1.8671	.007	1
S4	150.00	153.58	3.58	2.39	3.6538	.035	1
S5	300.00	303.26	3.26	1.09	7.2149	.005	1
S6	800.00	788.27	-11.7	-1.47	18.750	.091	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



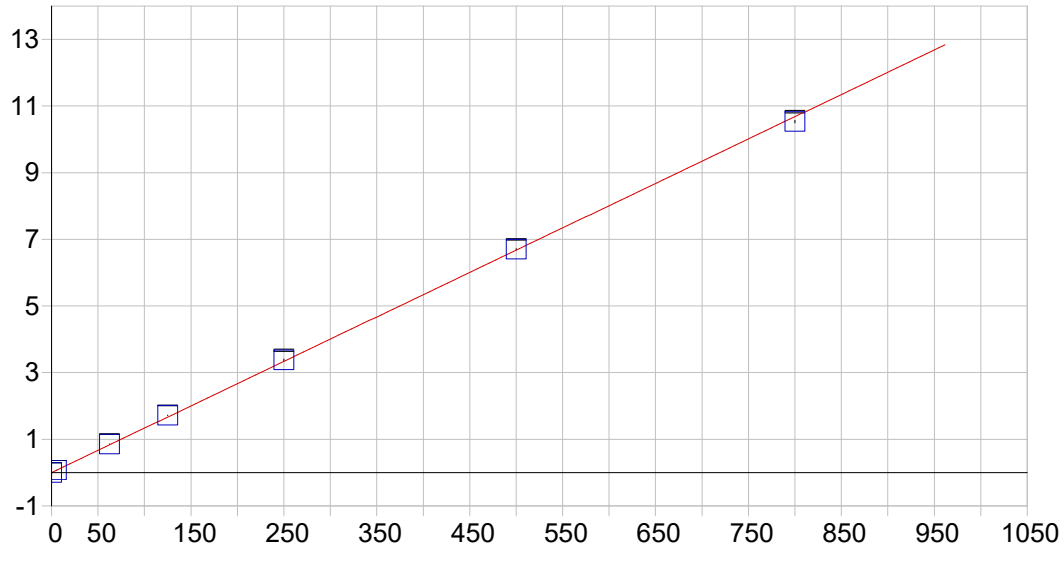
Mn 257.610 {131}

Date of Fit:	12/14/2024 12:11:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000121	Re-Slope:	1.000000
A1 (Gain):	0.433512	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999921	Status:	OK.
Std Error of Est:	0.000194		
Predicted MDL:	0.001474		
Predicted MQL:	0.004912		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00012	.001	1
S1	.01500	.01571	.001	4.72	.00693	.000	1
S2	3.7500	3.8233	.073	1.95	1.6576	.003	1
S3	7.5000	7.6879	.188	2.51	3.3329	.006	1
S4	15.000	15.024	.024	.157	6.5130	.052	1
S5	30.000	29.715	-.285	-.952	12.882	.022	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



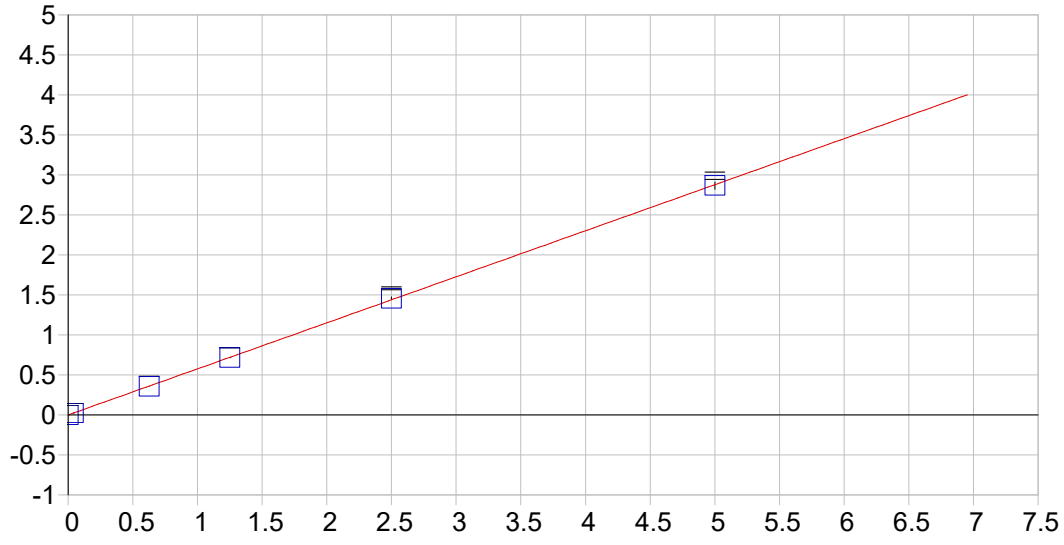
Mg 279.079 {121}

Date of Fit:	12/14/2024 12:15:07	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001431	Re-Slope:	1.000000
A1 (Gain):	0.013351	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999882	Status:	OK.
Std Error of Est:	0.000716		
Predicted MDL:	0.065935		
Predicted MQL:	0.219784		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00082	-.001	.000	-.00144	.001	1
S1	5.0000	5.5126	.513	10.3	.07217	.002	1
S2	62.500	64.367	1.87	2.99	.85795	.001	1
S3	125.00	128.73	3.73	2.99	1.7174	.007	1
S4	250.00	252.85	2.85	1.14	3.3745	.035	1
S5	500.00	502.02	2.02	.404	6.7012	.018	1
S6	800.00	789.02	-11.0	-1.37	10.533	.041	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



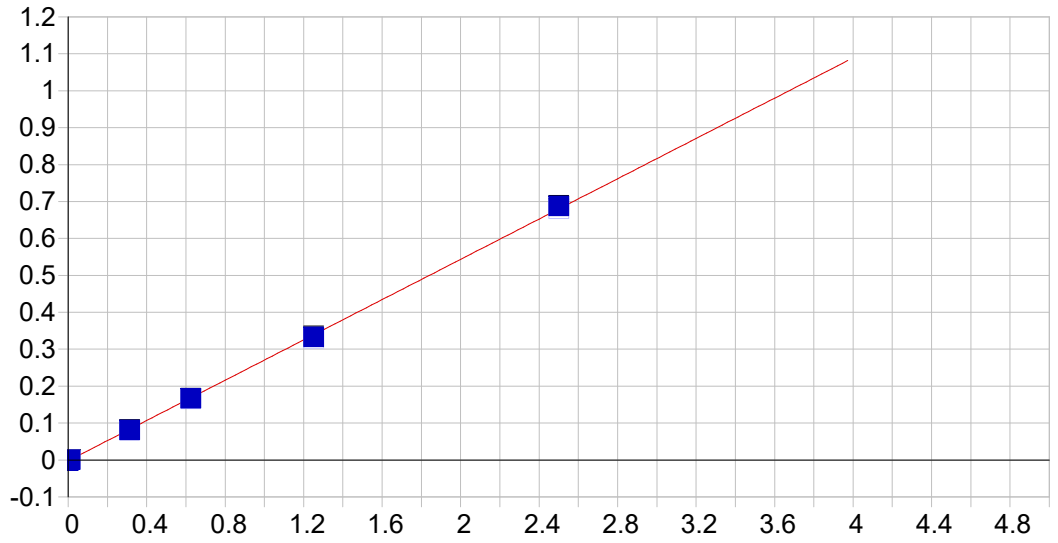
Ni 231.604 {446}

Date of Fit:	12/14/2024 12:11:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000091	Re-Slope:	1.000000
A1 (Gain):	0.575535	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999972	Status:	OK.
Std Error of Est:	0.000103		
Predicted MDL:	0.000735		
Predicted MQL:	0.002451		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00009	.000	1
S1	.04000	.03954	-.000	-1.15	.02285	.000	1
S2	.62500	.62046	-.005	-.727	.35719	.002	1
S3	1.2500	1.2430	-.007	-.559	.71549	.001	1
S4	2.5000	2.5310	.031	1.24	1.4568	.019	1
S5	5.0000	4.9810	-.019	-.381	2.8668	.047	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



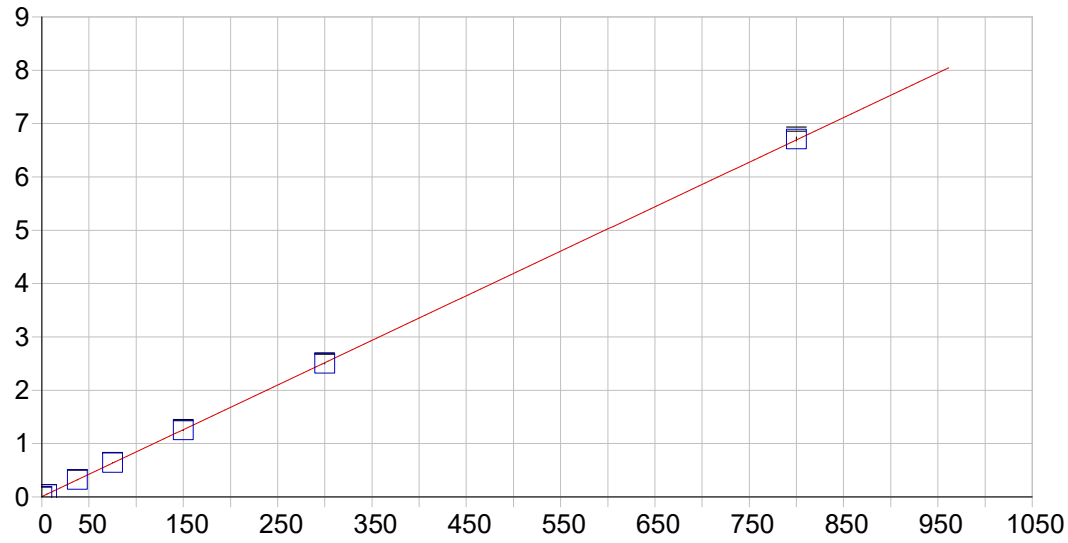
Ag 328.068 {103}

Date of Fit:	12/14/2024 12:11:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002171	Re-Slope:	1.000000
A1 (Gain):	0.272812	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999894	Status:	OK.
Std Error of Est:	0.000033		
Predicted MDL:	0.001221		
Predicted MQL:	0.004071		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00217	.000	1
S1	.01000	.01101	.001	10.1	.00083	.000	1
S2	.31250	.30636	-.006	-1.96	.08039	.000	1
S3	.62500	.61959	-.005	-.866	.16481	.000	1
S4	1.2500	1.2299	-.020	-1.61	.32927	.003	1
S5	2.5000	2.5306	.031	1.22	.68003	.001	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



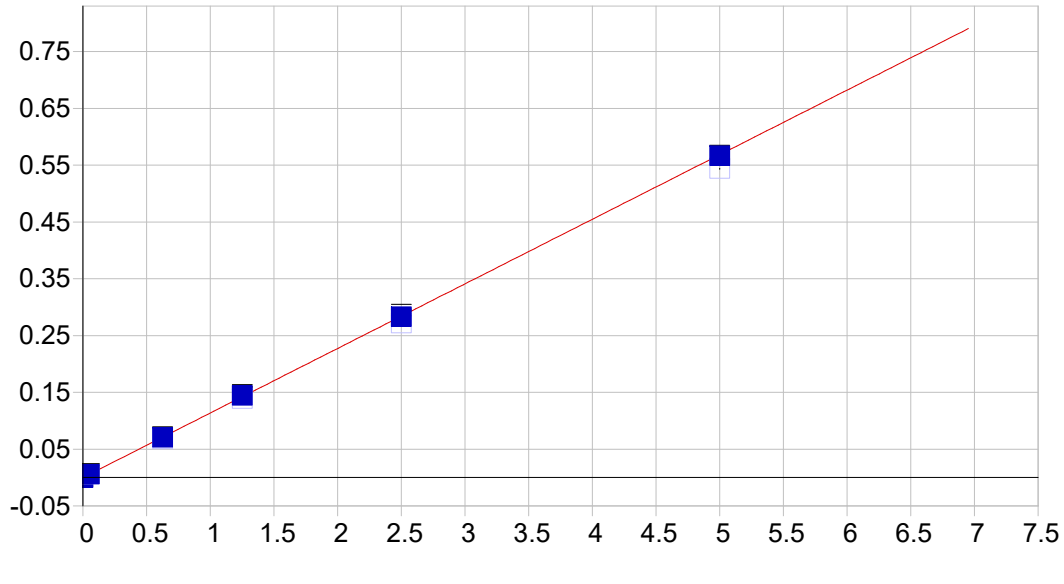
Na 818.326 { 41}

Date of Fit:	12/14/2024 12:15:07	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.007713	Re-Slope:	1.000000
A1 (Gain):	0.008360	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999983	Status:	OK.
Std Error of Est:	0.000150		
Predicted MDL:	0.660786		
Predicted MQL:	2.202618		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00026	.000	.000	.00771	.007	1
S1	5.0000	4.7166	-.283	-5.67	.04714	.006	1
S2	37.500	37.554	.054	.144	.32166	.005	1
S3	75.000	75.983	.983	1.31	.64292	.002	1
S4	150.00	149.09	-.907	-.605	1.2541	.015	1
S5	300.00	298.45	-1.55	-.515	2.5028	.012	1
S6	800.00	801.70	1.70	.212	6.7099	.040	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



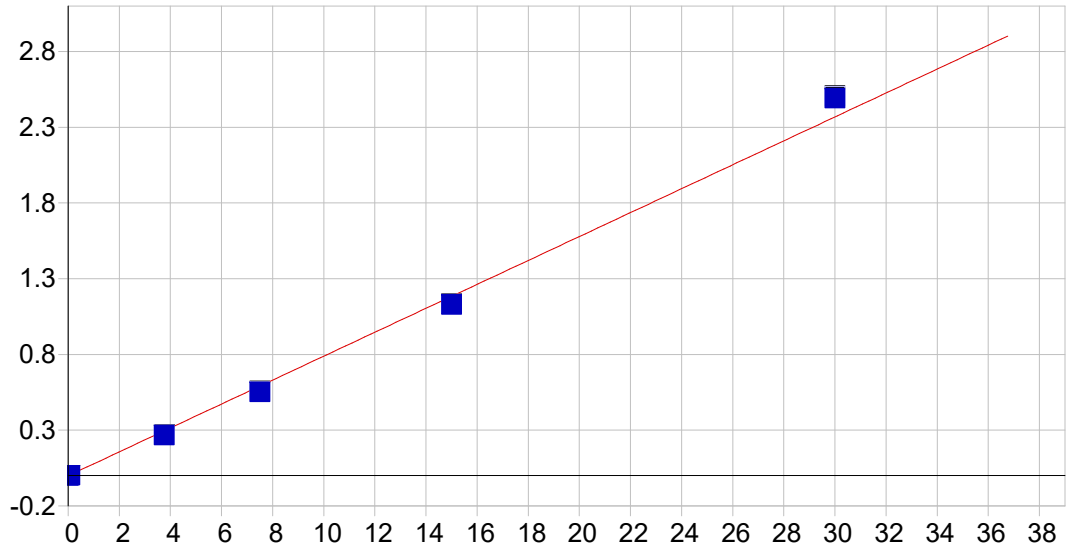
V 292.402 {115}

Date of Fit:	12/14/2024 12:11:06	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000133	Re-Slope:	1.000000
A1 (Gain):	0.113735	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999957	Status:	OK.
Std Error of Est:	0.000027		
Predicted MDL:	0.008568		
Predicted MQL:	0.028559		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00013	.001	1
S1	.05000	.05344	.003	6.89	.00593	.002	1
S2	.62500	.62265	-.002	-.376	.06784	.001	1
S3	1.2500	1.2730	.023	1.84	.13895	.001	1
S4	2.5000	2.4923	-.008	-.308	.27193	.004	1
S5	5.0000	4.9835	-.016	-.330	.54388	.001	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



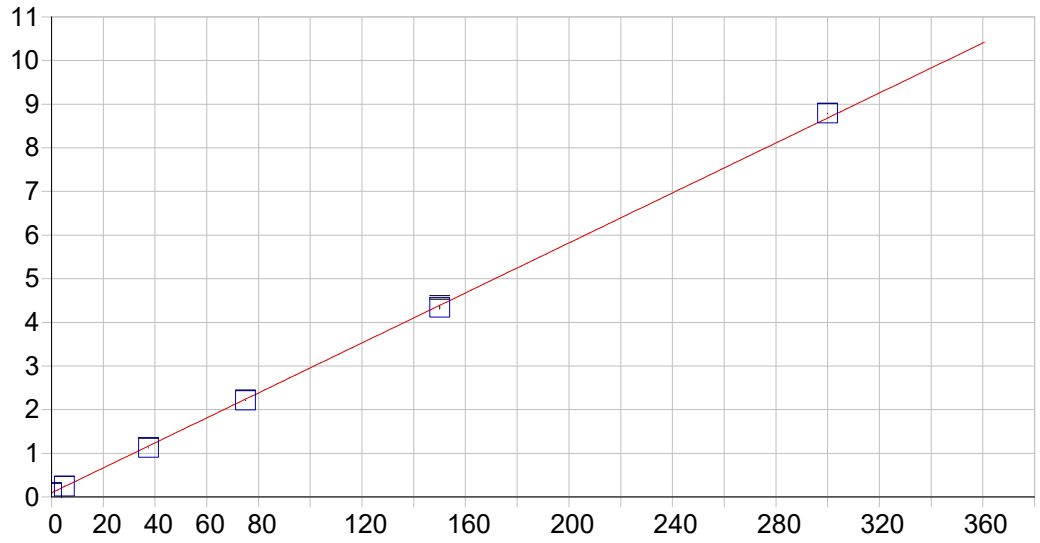
Zn 213.856 {158}

Date of Fit:	12/14/2024 12:11:06	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001094	Re-Slope:	1.000000
A1 (Gain):	0.078976	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998395	Status:	OK.
Std Error of Est:	0.000320		
Predicted MDL:	0.007524		
Predicted MQL:	0.025080		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	-.00109	.000	1
S1	.06000	.04894	-.011	-18.4	.00279	.000	1
S2	3.7500	3.4005	-.349	-9.32	.26892	.001	1
S3	7.5000	6.9956	-.504	-6.73	.55428	.004	1
S4	15.000	14.299	-.701	-4.67	1.1340	.002	1
S5	30.000	31.566	1.57	5.22	2.5034	.004	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



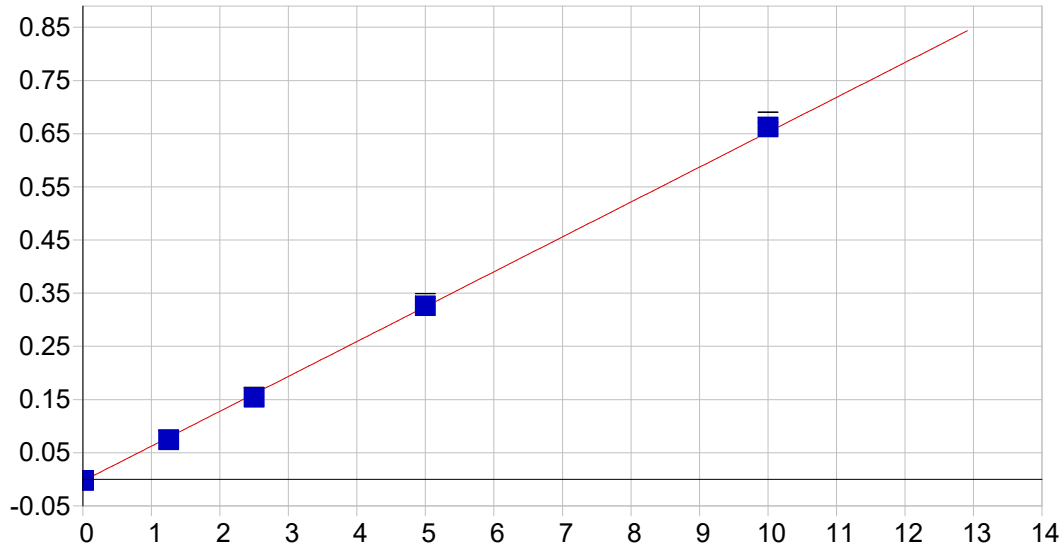
K 769.896 { 44}

Date of Fit:	12/14/2024 12:11:06	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.092603	Re-Slope:	1.000000
A1 (Gain):	0.028637	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999874	Status:	OK.
Std Error of Est:	0.000938		
Predicted MDL:	0.144290		
Predicted MQL:	0.480966		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00005	-.000	.000	.09260	.005	1
S1	5.0000	5.2926	.293	5.85	.24417	.005	1
S2	37.500	36.132	-1.37	-3.65	1.1273	.005	1
S3	75.000	73.979	-1.02	-1.36	2.2112	.007	1
S4	150.00	148.41	-1.59	-1.06	4.3427	.040	1
S5	300.00	303.69	3.69	1.23	8.7894	.005	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

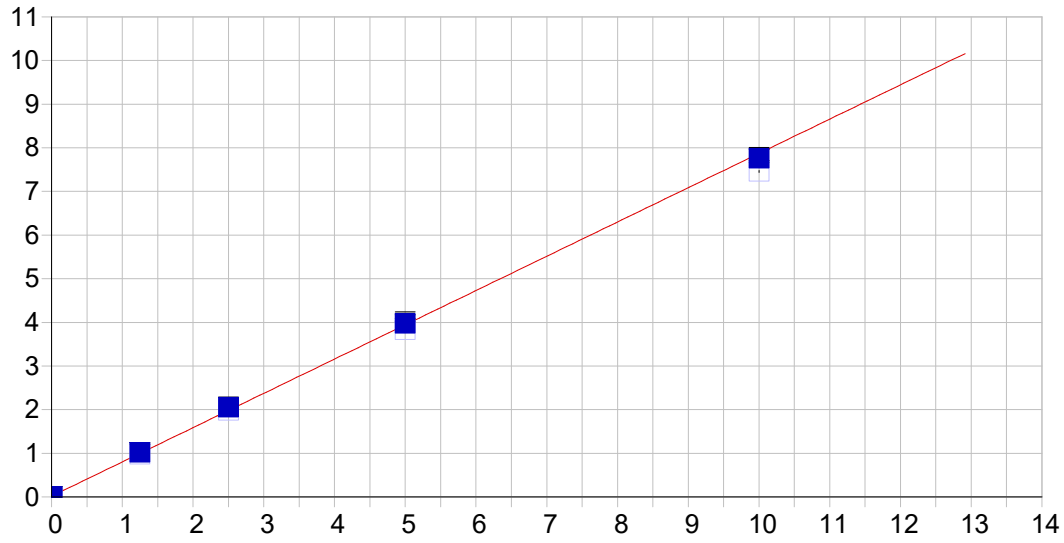


P 177.495 {490}

Date of Fit:	12/14/2024 12:11:06	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.003185	Re-Slope:	1.000000
A1 (Gain):	0.065580	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999706	Status:	OK.
Std Error of Est:	0.000027		
Predicted MDL:	0.002571		
Predicted MQL:	0.008571		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00318	.000	1
S1	.01000	.00858	-.001	-14.2	-.00262	.000	1
S2	1.2500	1.1751	-.075	-5.99	.07376	.001	1
S3	2.5000	2.4009	-.099	-3.96	.15403	.000	1
S4	5.0000	5.0253	.025	.506	.32590	.004	1
S5	10.000	10.150	.150	1.50	.66150	.010	1



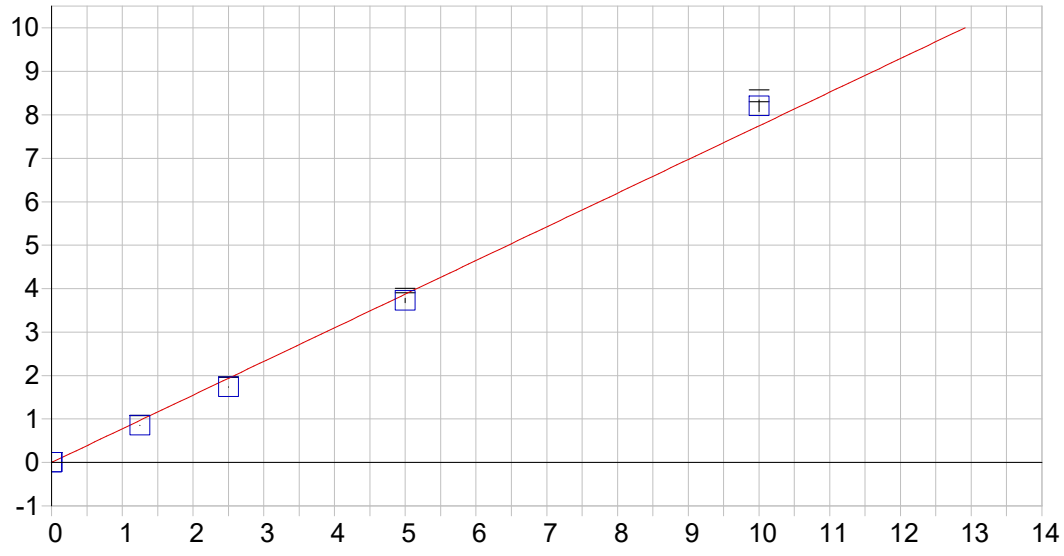
B 249.678 {135}

Date of Fit:	12/14/2024 12:11:06	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.016069	Re-Slope:	1.000000
A1 (Gain):	0.785560	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999017	Status:	OK.
Std Error of Est:	0.000562		
Predicted MDL:	0.002156		
Predicted MQL:	0.007187		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.01608	.002	1
S1	.01000	-.00668	-.017	-167.	.01078	.002	1
S2	1.2500	1.2731	.023	1.85	.97886	.004	1
S3	2.5000	2.5934	.093	3.74	1.9786	.010	1
S4	5.0000	5.0438	.044	.876	3.8289	.034	1
S5	10.000	9.8569	-.143	-1.43	7.4606	.022	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

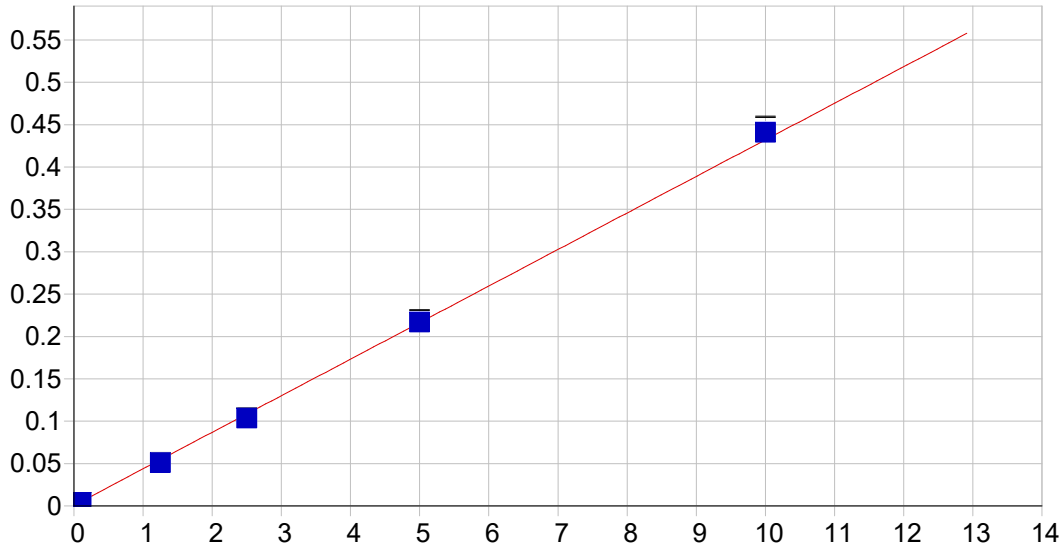


Mo 202.030 {467}

Date of Fit:	12/14/2024 12:11:06	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000044	Re-Slope:	1.000000
A1 (Gain):	0.774663	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.997685	Status:	OK.
Std Error of Est:	0.000885		
Predicted MDL:	0.000477		
Predicted MQL:	0.001590		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00005	.000	1
S1	.01000	.00939	-.001	-6.10	.00732	.000	1
S2	1.2500	1.1004	-.150	-12.0	.85249	.005	1
S3	2.5000	2.2422	-.258	-10.3	1.7370	.004	1
S4	5.0000	4.8118	-.188	-3.76	3.7275	.052	1
S5	10.000	10.596	.596	5.96	8.2086	.134	1



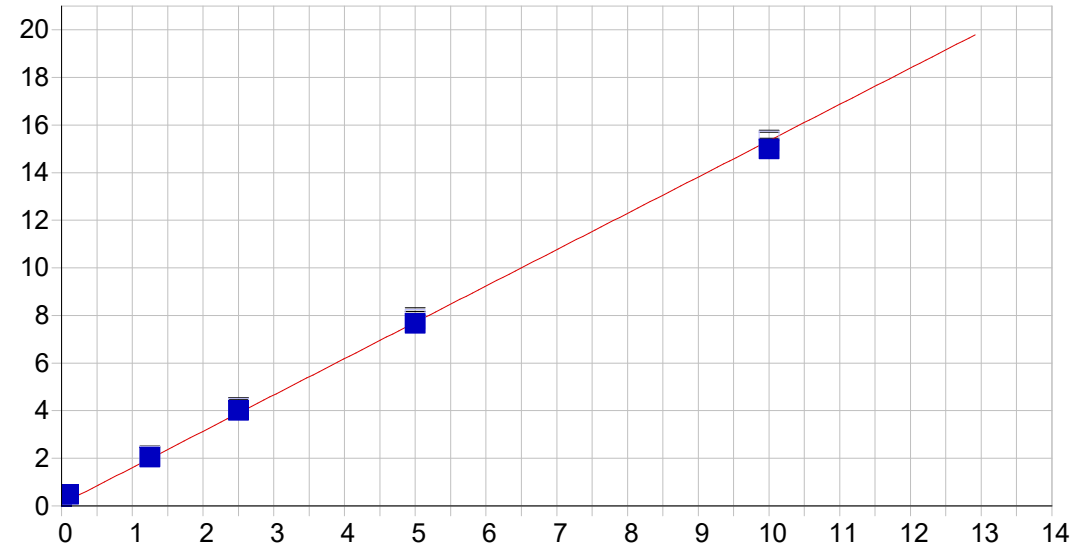
S 182.034 {485}

Date of Fit:	12/14/2024 12:11:06	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000663	Re-Slope:	1.000000
A1 (Gain):	0.043140	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999568	Status:	OK.
Std Error of Est:	0.000068		
Predicted MDL:	0.004605		
Predicted MQL:	0.015351		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00066	.000	1
S1	.10000	.08752	-.012	-12.5	.00444	.000	1
S2	1.2500	1.1668	-.083	-6.66	.05117	.000	1
S3	2.5000	2.3847	-.115	-4.61	.10389	.000	1
S4	5.0000	5.0124	.012	.249	.21759	.002	1
S5	10.000	10.199	.199	1.99	.44202	.006	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

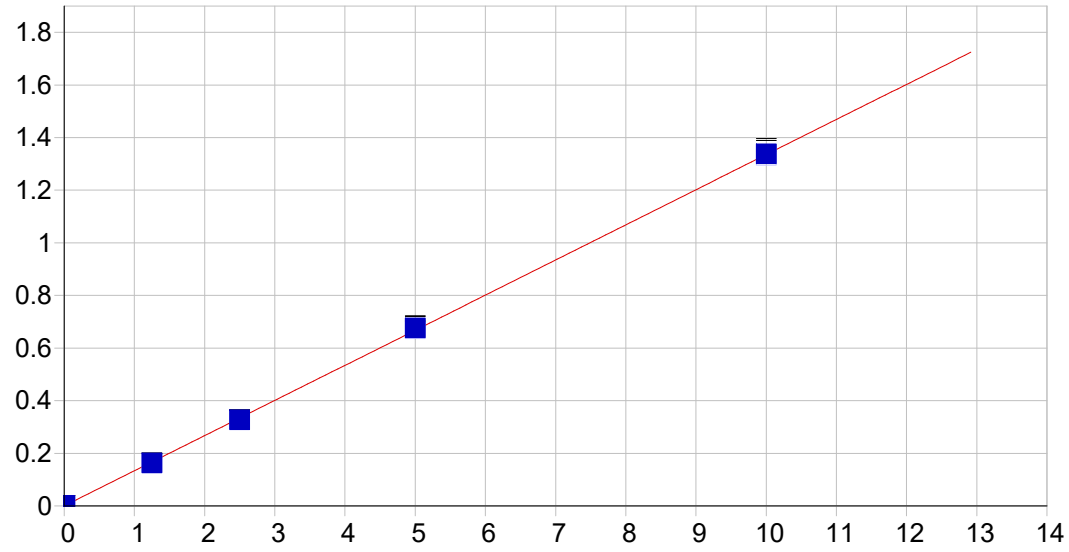


Si 251.611 {134}

Date of Fit:	12/14/2024 12:11:06	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.081703	Re-Slope:	1.000000
A1 (Gain):	1.526220	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.993092	Status:	OK.
Std Error of Est:	0.009800		
Predicted MDL:	0.001051		
Predicted MQL:	0.003503		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00017	-.000	.000	.08145	.001	1
S1	.10000	.26308	.163	163.	.48538	.002	1
S2	1.2500	1.2856	.036	2.85	2.0871	.007	1
S3	2.5000	2.5736	.074	2.95	4.0962	.025	1
S4	5.0000	4.9643	-.036	-.715	7.8315	.080	1
S5	10.000	9.7648	-.235	-2.35	15.331	.040	1



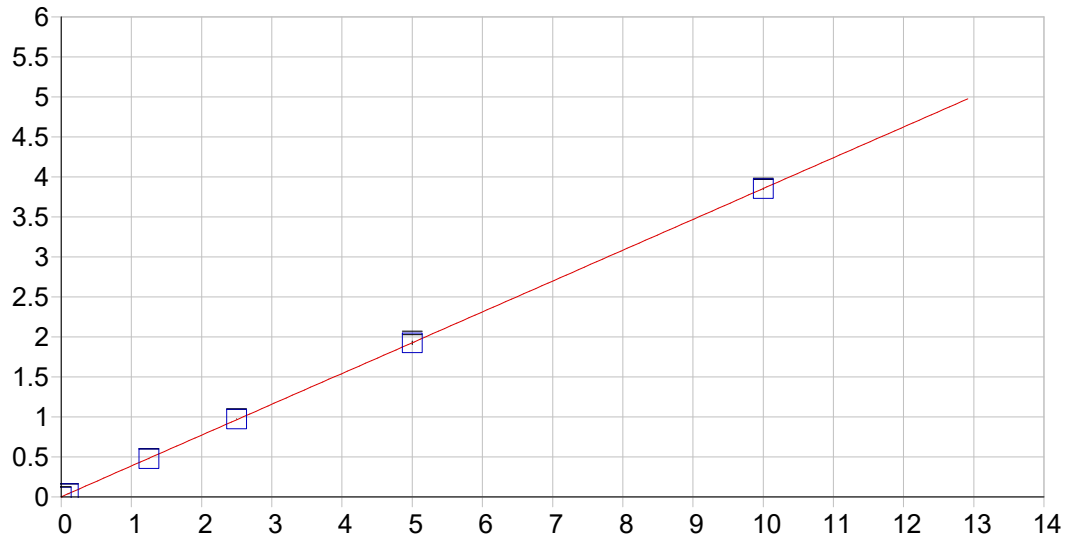
Sn 189.989 {478}

Date of Fit:	12/14/2024 12:11:06	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000196	Re-Slope:	1.000000
A1 (Gain):	0.133511	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999928	Status:	OK.
Std Error of Est:	0.000022		
Predicted MDL:	0.001358		
Predicted MQL:	0.004525		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00020	.000	1
S1	.00700	.00715	.000	2.16	.00111	.000	1
S2	1.2500	1.2161	-.034	-2.71	.16172	.001	1
S3	2.5000	2.4511	-.049	-1.95	.32578	.001	1
S4	5.0000	5.0617	.062	1.23	.67264	.009	1
S5	10.000	10.021	.021	.210	1.3314	.020	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



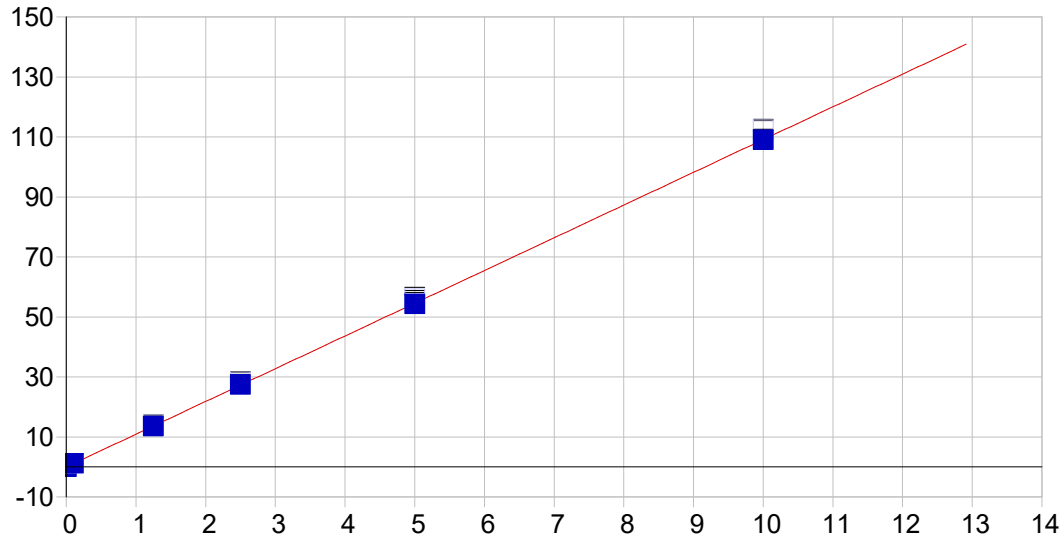
Ti 336.121 {100}

Date of Fit:	12/14/2024 12:11:06	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001593	Re-Slope:	1.000000
A1 (Gain):	0.385213	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999989	Status:	OK.
Std Error of Est:	0.000096		
Predicted MDL:	0.003689		
Predicted MQL:	0.012296		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00159	.001	1
S1	.10000	.09941	-.001	-.585	.03989	.001	1
S2	1.2500	1.2350	-.015	-1.20	.47734	.002	1
S3	2.5000	2.5236	.024	.943	.97370	.003	1
S4	5.0000	4.9952	-.005	-.096	1.9258	.022	1
S5	10.000	9.9968	-.003	-.032	3.8525	.008	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



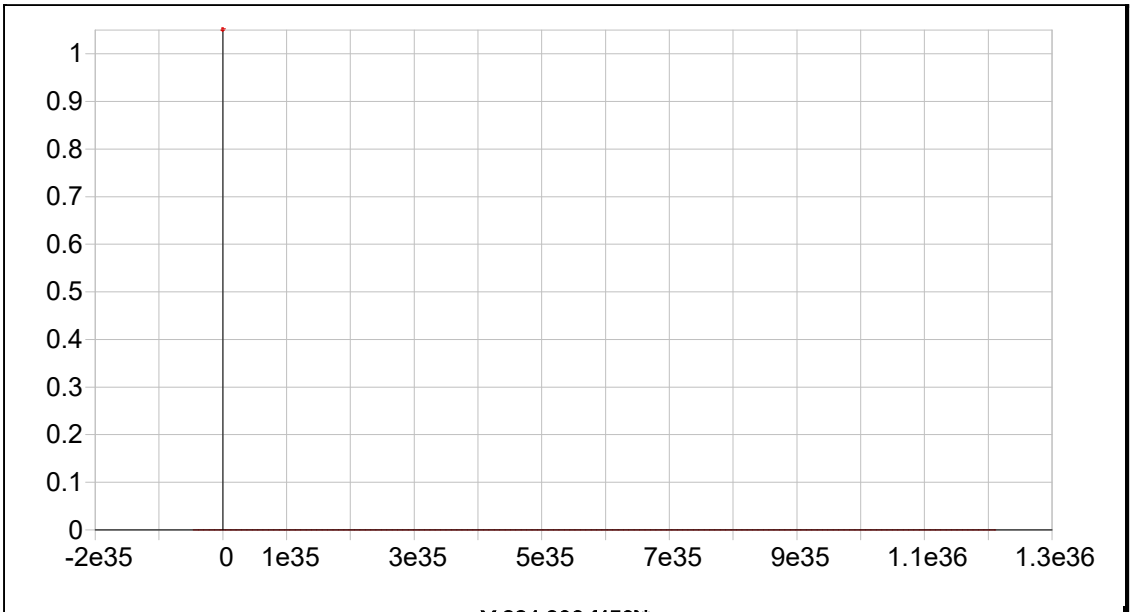
Sr 407.771 { 83}

Date of Fit:	12/14/2024 12:11:06	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.005144	Re-Slope:	1.000000
A1 (Gain):	10.910375	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999978	Status:	OK.
Std Error of Est:	0.003987		
Predicted MDL:	0.000221		
Predicted MQL:	0.000735		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.00523	.003	1
S1	.10000	.10798	.008	7.98	1.1740	.006	1
S2	1.2500	1.2430	-.007	-.557	13.966	.038	1
S3	2.5000	2.5200	.020	.798	28.307	.090	1
S4	5.0000	4.9836	-.016	-.329	56.004	.536	1
S5	10.000	9.9957	-.004	-.043	112.32	.221	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

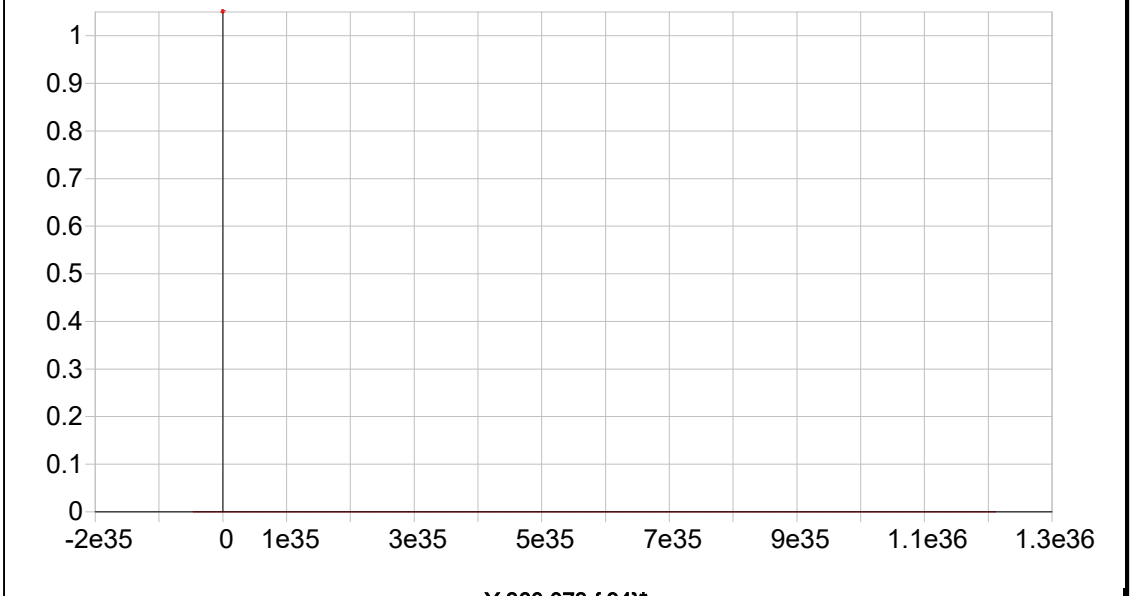


Y 224.306 {450}*

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		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

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



Y 360.073 { 94}*

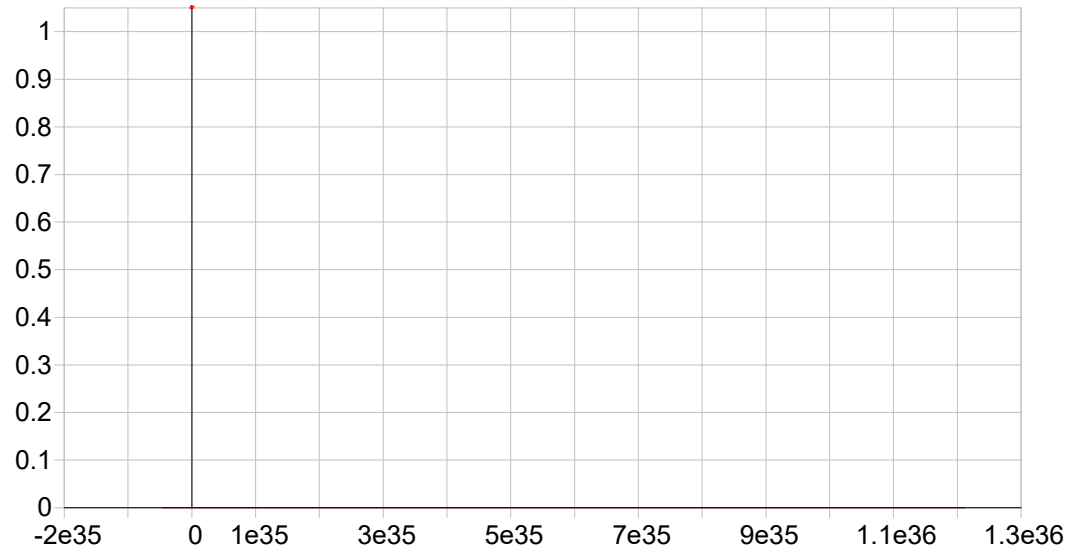
Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

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

Reviewed By:Mohan
On:12/24/2024 3:42:36 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				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

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



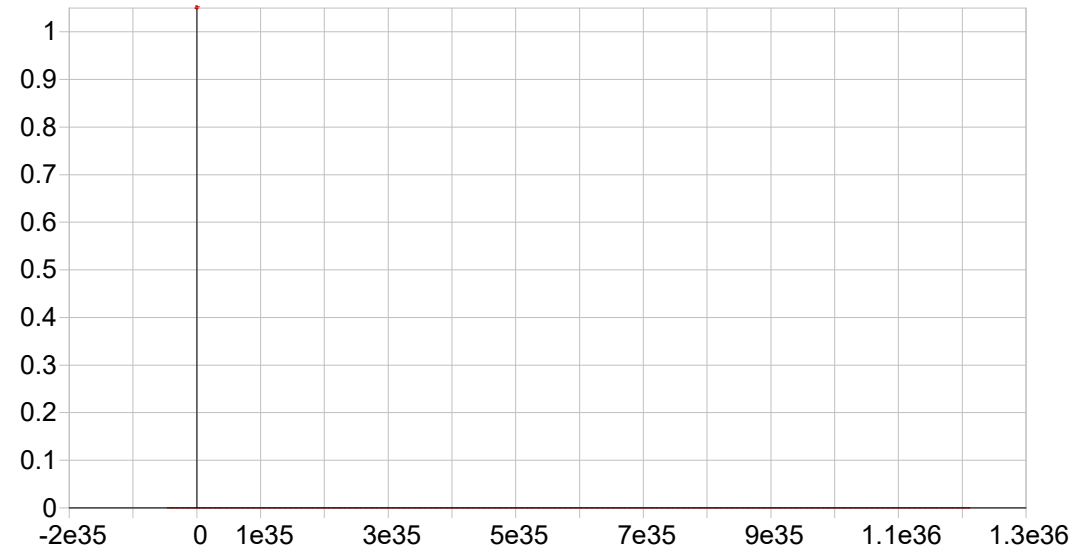
Y 371.030 { 91}*

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

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

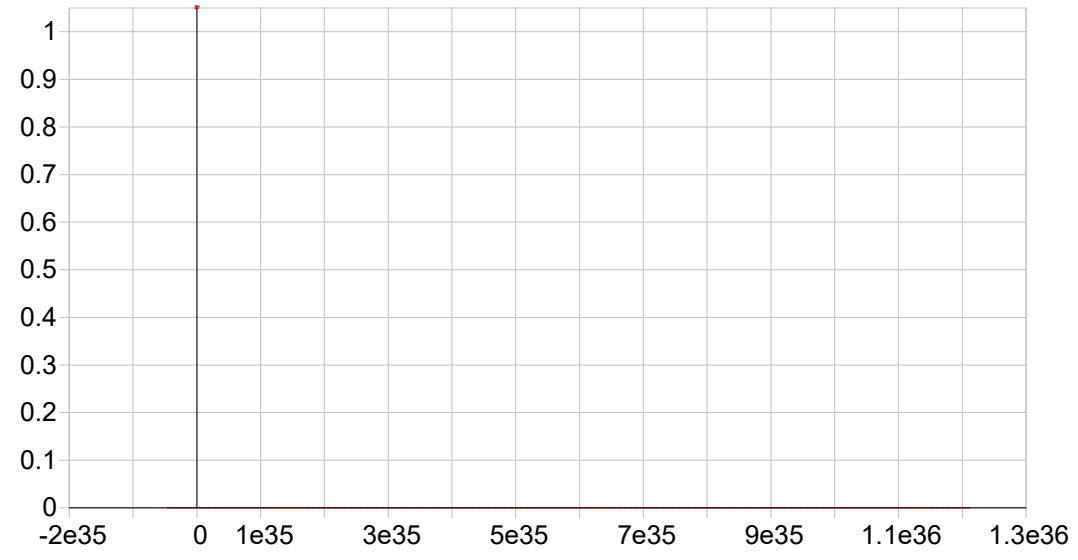
Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5



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				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

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



In 230.606 {446}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	

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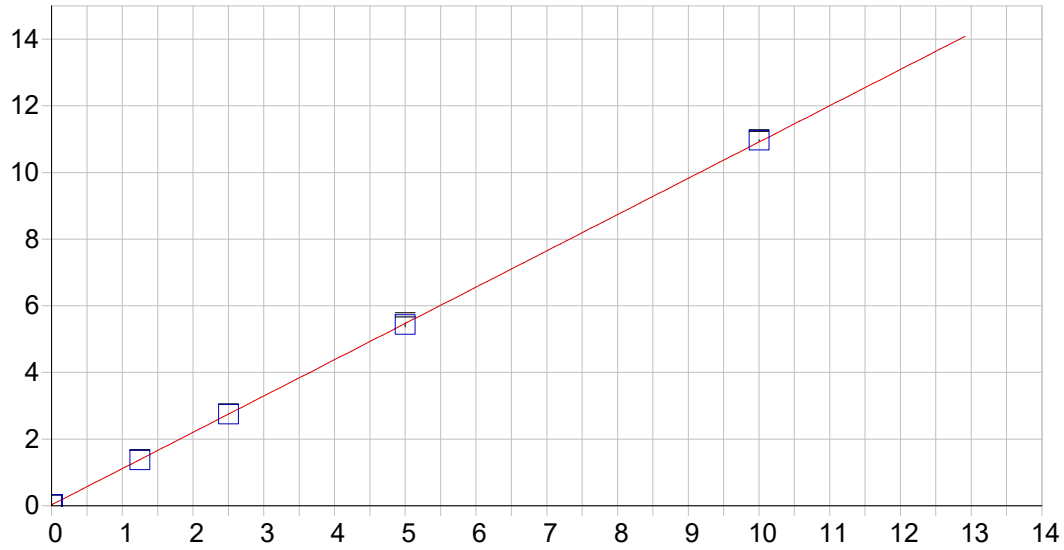
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000	Status:	Warning	Zero Gain	
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

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



Li 670.784 { 50}

Date of Fit:	12/14/2024 12:11:06	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.026372		Re-Slope:	1.000000	
A1 (Gain):	1.088872		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.999975	Status:	OK.		
Std Error of Est:	0.000158				
Predicted MDL:	0.004390				
Predicted MQL:	0.014634				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.02637	.002	1
S5	10.000	10.045	.045	.446	10.964	.022	1
S4	5.0000	4.9644	-.036	-.711	5.4320	.061	1
S3	2.5000	2.5014	.001	.055	2.7500	.008	1
S2	1.2500	1.2373	-.013	-1.02	1.3736	.005	1
S1	.01500	.01731	.002	15.4	.04522	.007	1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: S0 Acquired: 12/14/2024 11:47:48 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S0 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	.21409	-.00003	-.00058	-.00024	.00078	-.00195	.02475	-.00014
Stddev	.30402	.00022	.00015	.00030	.00053	.00059	.00457	.00049
%RSD	142.01	750.31	25.062	125.46	67.518	30.468	18.466	352.87
#1	-.13687	-.00025	-.00072	-.00000	.00126	-.00129	.02520	-.00070
#2	.39693	.00019	-.00043	-.00057	.00086	-.00212	.01997	.00018
#3	.38219	-.00003	-.00059	-.00013	.00022	-.00244	.02908	.00011

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	.00064	.00747	.00009	.00017	.00195	.00000	.00012	-.00144
Stddev	.00028	.00109	.00009	.00033	.00011	.00049	.00060	.00120
%RSD	44.593	14.638	100.64	199.35	5.8087	12552.	498.66	83.394
#1	.00044	.00843	-.00001	.00042	.00207	.00057	-.00056	-.00275
#2	.00051	.00770	.00013	-.00021	.00194	-.00032	.00059	-.00039
#3	.00096	.00628	.00015	.00029	.00184	-.00023	.00033	-.00118

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	.00009	-.00217	.00771	-.00013	-.00109	.09260	-.00318	.01608
Stddev	.00033	.00012	.00678	.00084	.00010	.00461	.00014	.00228
%RSD	364.75	5.7225	87.884	632.63	8.7924	4.9817	4.5114	14.177
#1	.00046	-.00208	.01554	.00078	-.00116	.08803	-.00316	.01736
#2	.00001	-.00231	.00372	-.00089	-.00098	.09726	-.00306	.01744
#3	-.00019	-.00213	.00389	-.00029	-.00114	.09252	-.00334	.01345

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00005	.00066	.08145	.00020	.00159	-.00523	.02637
Stddev	.00032	.00013	.00149	.00008	.00121	.00296	.00180
%RSD	694.25	19.261	1.8271	40.773	76.204	56.667	6.8212
#1	.00029	.00081	.08192	.00022	.00049	-.00281	.02456
#2	-.00032	.00056	.07978	.00026	.00289	-.00434	.02816
#3	.00016	.00062	.08264	.00011	.00140	-.00854	.02639

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: S0 Acquired: 12/14/2024 11:47:48 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S0 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2017.1	24555.	2207.5	1708.7	2713.8
Stddev	13.2	59.	7.0	4.9	19.4
%RSD	.65664	.23913	.31638	.28520	.71528
#1	2003.7	24563.	2203.2	1706.2	2692.8
#2	2017.5	24492.	2203.7	1705.6	2717.7
#3	2030.2	24608.	2215.5	1714.3	2731.0

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: S1 Acquired: 12/14/2024 11:51:54 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S01 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	**1.9359**	**.00174**	**.00192**	**.00176**	**.00964**	**.02246**	**.94231**	**.06096**
Stddev	.0830	.00020	.00007	.00023	.00019	.00284	.00523	.00142
%RSD	4.2893	11.447	3.5527	13.042	1.9910	12.663	.55509	2.3297
#1	1.9753	.00173	.00192	.00178	.00948	.02194	.94675	.06223
#2	1.9919	.00195	.00198	.00152	.00986	.02552	.93654	.06123
#3	1.8405	.00155	.00185	.00197	.00959	.01991	.94364	.05943

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	**.01729**	**.26716**	**.00268**	**.04599**	**.00528**	**.00263**	**.00693**	**.07217**
Stddev	.00022	.00060	.00002	.00066	.00079	.00035	.00028	.00177
%RSD	1.2865	.22599	.70494	1.4414	15.005	13.159	4.0308	2.4574
#1	.01724	.26734	.00266	.04528	.00441	.00299	.00725	.07417
#2	.01753	.26649	.00267	.04610	.00548	.00260	.00673	.07079
#3	.01710	.26766	.00270	.04659	.00595	.00230	.00682	.07155

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	**.02285**	**.00083**	**.04714**	**.00593**	**.00279**	**.24417**	**-.00262**	**.01078**
Stddev	.00004	.00039	.00621	.00191	.00031	.00459	.00009	.00194
%RSD	.18886	47.142	13.179	32.280	11.048	1.8812	3.2514	17.991
#1	.02289	.00120	.04156	.00404	.00311	.24943	-.00258	.01283
#2	.02285	.00042	.05384	.00588	.00274	.24095	-.00256	.00898
#3	.02280	.00087	.04603	.00787	.00250	.24213	-.00272	.01053

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00732**	**.00444**	**.48538**	**.00111**	**.03989**	**1.1740**	**.04522**
Stddev	.00027	.00026	.00194	.00025	.00064	.0056	.00718
%RSD	3.7403	5.9100	.40064	22.952	1.6034	.47690	15.870
#1	.00706	.00427	.48395	.00084	.03916	1.1800	.04820
#2	.00761	.00431	.48458	.00114	.04038	1.1732	.03703
#3	.00728	.00474	.48759	.00135	.04013	1.1689	.05042

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: S1 Acquired: 12/14/2024 11:51:54 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S01 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2005.5**	**24068.**	**2198.3**	**1675.7**	**2715.8**
Stddev	22.9	444.	9.0	33.7	32.5
%RSD	1.1439	1.8465	.41138	2.0083	1.1962
#1	2023.9	24409.	2190.1	1702.0	2742.4
#2	2012.7	24231.	2208.0	1687.4	2725.4
#3	1979.8	23566.	2196.8	1637.8	2679.6

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: S2 Acquired: 12/14/2024 11:56:01 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S02 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	**196.32**	**.10840**	**1.3614**	**.07880**	**.19797**	**4.2184**	**10.850**	**1.4495**
Stddev	.24	.00030	.0074	.00065	.00174	.0138	.011	.0041
%RSD	.12440	.27248	.54275	.81861	.88100	.32764	.10392	.28447
#1	196.48	.10812	1.3530	.07818	.19607	4.2318	10.863	1.4483
#2	196.43	.10871	1.3666	.07947	.19833	4.2042	10.842	1.4461
#3	196.04	.10838	1.3647	.07874	.19950	4.2192	10.844	1.4541

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	**2.1215**	**3.2062**	**.96242**	**.55734**	**.49341**	**.92524**	**1.6576**	**.85795**
Stddev	.0115	.0117	.00227	.00300	.00236	.00291	.0035	.00107
%RSD	.54403	.36513	.23597	.53818	.47835	.31474	.20859	.12469
#1	2.1084	3.2197	.96499	.55399	.49600	.92851	1.6599	.85839
#2	2.1299	3.1996	.96068	.55978	.49138	.92429	1.6592	.85874
#3	2.1263	3.1993	.96160	.55825	.49286	.92293	1.6536	.85673

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	**.35719**	**.08039**	**.32166**	**.06784**	**.26892**	**1.1273**	**.07376**	**.97886**
Stddev	.00214	.00023	.00483	.00088	.00130	.0046	.00050	.00360
%RSD	.60050	.28819	1.5019	1.2982	.48325	.40882	.68271	.36736
#1	.35471	.08028	.32635	.06731	.26910	1.1241	.07318	.97543
#2	.35851	.08065	.32194	.06734	.27011	1.1326	.07398	.98260
#3	.35833	.08023	.31670	.06885	.26753	1.1253	.07411	.97854

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.85249**	**.05117**	**2.0871**	**.16172**	**.47734**	**13.966**	**1.3736**
Stddev	.00479	.00029	.0071	.00083	.00154	.038	.0048
%RSD	.56233	.56936	.34069	.51387	.32331	.26872	.34807
#1	.84750	.05085	2.0789	.16076	.47816	13.971	1.3713
#2	.85705	.05141	2.0910	.16218	.47829	14.001	1.3705
#3	.85293	.05125	2.0915	.16221	.47556	13.926	1.3791

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: S2 Acquired: 12/14/2024 11:56:01 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S02 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1940.7	24404.	2252.5	1665.1	2531.7
Stddev	13.2	65.	3.7	3.3	13.5
%RSD	.67910	.26493	.16245	.19746	.53303
#1	1955.4	24349.	2256.6	1667.3	2547.1
#2	1930.0	24475.	2251.2	1661.3	2522.0
#3	1936.7	24388.	2249.7	1666.8	2526.0

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: S3 Acquired: 12/14/2024 11:59:52 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S03 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	**388.27**	**.21540**	**2.7291**	**.16093**	**.40184**	**8.5061**	**22.019**	**2.9111**
Stddev	.60	.00021	.0019	.00044	.00080	.0225	.090	.0116
%RSD	.15386	.09620	.06894	.27108	.19933	.26499	.40997	.39942
#1	387.71	.21563	2.7269	.16143	.40154	8.4801	21.917	2.9152
#2	388.20	.21523	2.7305	.16066	.40124	8.5191	22.051	2.9202
#3	388.90	.21533	2.7297	.16069	.40275	8.5192	22.088	2.8980

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	**4.2459**	**6.4250**	**1.9270**	**1.1009**	**.99355**	**1.8671**	**3.3329**	**1.7174**
Stddev	.0050	.0140	.0012	.0017	.00324	.0065	.0060	.0070
%RSD	.11864	.21803	.06256	.15381	.32660	.34899	.18080	.40921
#1	4.2401	6.4122	1.9279	1.0994	.99716	1.8600	3.3262	1.7093
#2	4.2496	6.4400	1.9275	1.1006	.99261	1.8686	3.3379	1.7221
#3	4.2480	6.4228	1.9257	1.1028	.99088	1.8728	3.3346	1.7207

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	**.71549**	**.16481**	**.64292**	**.13895**	**.55428**	**2.2112**	**.15403**	**1.9786**
Stddev	.00120	.00029	.00238	.00127	.00418	.0074	.00018	.0098
%RSD	.16757	.17446	.37084	.91295	.75416	.33366	.11971	.49525
#1	.71429	.16467	.64200	.13774	.55127	2.2066	.15382	1.9812
#2	.71669	.16514	.64114	.13884	.55906	2.2072	.15414	1.9869
#3	.71547	.16462	.64563	.14027	.55253	2.2197	.15413	1.9678

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.7370**	**.10389**	**4.0962**	**.32578**	**.97370**	**28.307**	**2.7500**
Stddev	.0038	.00032	.0251	.00056	.00253	.090	.0076
%RSD	.21637	.31262	.61227	.17094	.25971	.31759	.27743
#1	1.7336	.10389	4.0979	.32593	.97103	28.203	2.7502
#2	1.7363	.10421	4.1205	.32516	.97403	28.361	2.7423
#3	1.7410	.10356	4.0704	.32624	.97606	28.356	2.7576

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: S3 Acquired: 12/14/2024 11:59:52 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S03 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1867.3	23868.	2215.7	1598.1	2450.9
Stddev	2.5	90.	5.4	7.8	1.8
%RSD	.13628	.37687	.24571	.48769	.07493
#1	1865.4	23943.	2219.4	1599.4	2448.8
#2	1870.2	23768.	2209.4	1589.7	2452.2
#3	1866.3	23893.	2218.1	1605.2	2451.7

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: S4 Acquired: 12/14/2024 12:03:39 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S04 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	**763.12**	**.43683**	**5.6140**	**.34057**	**.86040**	**16.992**	**43.857**	**5.6542**
Stddev	2.64	.00363	.0720	.00510	.01276	.174	.449	.0564
%RSD	.34628	.83157	1.2815	1.4962	1.4835	1.0255	1.0236	.99782
#1	760.24	.43492	5.5681	.33673	.84983	17.191	44.356	5.7099
#2	765.44	.43455	5.5770	.33862	.85680	16.870	43.487	5.5971
#3	763.67	.44102	5.6969	.34635	.87458	16.914	43.729	5.6554

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	**8.6649**	**12.662**	**3.7621**	**2.2253**	**1.9623**	**3.6538**	**6.5130**	**3.3745**
Stddev	.1080	.121	.0316	.0304	.0162	.0350	.0525	.0348
%RSD	1.2458	.95588	.83917	1.3674	.82388	.95773	.80561	1.0324
#1	8.5953	12.802	3.7421	2.2043	1.9807	3.6939	6.5721	3.4133
#2	8.6101	12.588	3.7458	2.2115	1.9505	3.6298	6.4718	3.3460
#3	8.7893	12.596	3.7985	2.2602	1.9556	3.6375	6.4952	3.3641

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	**1.4568**	**.32927**	**1.2541**	**.27193**	**1.1340**	**4.3427**	**.32590**	**3.8289**
Stddev	.0187	.00264	.0147	.00443	.0017	.0396	.00435	.0336
%RSD	1.2836	.80182	1.1691	1.6300	.14916	.91277	1.3338	.87831
#1	1.4439	.32709	1.2711	.27705	1.1359	4.3875	.32258	3.8635
#2	1.4482	.32851	1.2457	.26947	1.1329	4.3124	.32428	3.7963
#3	1.4782	.33221	1.2457	.26928	1.1331	4.3280	.33082	3.8268

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.7275**	**.21759**	**7.8315**	**.67264**	**1.9258**	**56.004**	**5.4320**
Stddev	.0517	.00227	.0796	.00921	.0222	.536	.0612
%RSD	1.3870	1.0443	1.0166	1.3686	1.1507	.95700	1.1268
#1	3.6897	.21658	7.9148	.66611	1.9498	56.598	5.5011
#2	3.7065	.21601	7.7562	.66864	1.9061	55.556	5.3845
#3	3.7864	.22020	7.8235	.68317	1.9215	55.858	5.4105

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: S4 Acquired: 12/14/2024 12:03:39 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S04 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1699.4	23602.	2224.7	1529.2	2301.7
Stddev	21.9	132.	24.1	7.5	27.5
%RSD	1.2857	.55719	1.0849	.49245	1.1944
#1	1714.3	23654.	2200.3	1532.2	2317.3
#2	1709.5	23700.	2248.5	1534.8	2317.8
#3	1674.3	23453.	2225.4	1520.7	2269.9

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: S5 Acquired: 12/14/2024 12:07:24 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S05 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	**1457.9**	**.85300**	**11.158**	**.73795**	**1.9045**	**34.579**	**88.490**	**11.233**
Stddev	2.3	.01181	.156	.01143	.0335	.018	.110	.047
%RSD	.15788	1.3847	1.3941	1.5489	1.7562	.05347	.12446	.41487
#1	1459.3	.86167	11.255	.74482	1.9267	34.598	88.515	11.277
#2	1459.2	.85777	11.239	.74428	1.9208	34.562	88.370	11.184
#3	1455.3	.83955	10.978	.72476	1.8661	34.577	88.586	11.238

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	**17.020**	**25.282**	**7.5068**	**4.3552**	**3.9418**	**7.2149**	**12.882**	**6.7012**
Stddev	.242	.034	.0076	.0720	.0053	.0046	.022	.0184
%RSD	1.4208	.13501	.10173	1.6525	.13444	.06409	.17329	.27415
#1	17.164	25.303	7.5145	4.3994	3.9436	7.2202	12.907	6.7218
#2	17.154	25.243	7.5066	4.3941	3.9358	7.2117	12.867	6.6866
#3	16.741	25.300	7.4992	4.2721	3.9459	7.2128	12.871	6.6952

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	**2.8668**	**.68003**	**2.5028**	**.54388**	**2.5034**	**8.7894**	**.66150**	**7.4606**
Stddev	.0470	.00118	.0124	.00087	.0045	.0050	.00990	.0225
%RSD	1.6379	.17411	.49612	.15965	.17792	.05668	1.4961	.30143
#1	2.8949	.68119	2.5092	.54487	2.5039	8.7927	.66684	7.4665
#2	2.8929	.68007	2.4885	.54329	2.5077	8.7837	.66758	7.4357
#3	2.8126	.67882	2.5107	.54347	2.4988	8.7919	.65008	7.4794

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**8.2086**	**.44202**	**15.331**	**1.3314**	**3.8525**	**112.32**	**10.964**
Stddev	.1336	.00633	.040	.0202	.0084	.22	.022
%RSD	1.6279	1.4313	.26174	1.5163	.21926	.19697	.19616
#1	8.2917	.44641	15.348	1.3436	3.8610	112.57	10.953
#2	8.2796	.44487	15.286	1.3425	3.8441	112.14	10.950
#3	8.0544	.43477	15.361	1.3081	3.8524	112.26	10.988

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: S5 Acquired: 12/14/2024 12:07:24 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S05 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1461.4	22229.	2157.9	1320.8	2168.5
Stddev	23.5	89.	4.1	3.2	32.7
%RSD	1.6092	.40258	.19154	.24463	1.5089
#1	1447.8	22237.	2153.9	1323.8	2150.4
#2	1447.8	22136.	2157.6	1317.4	2148.8
#3	1488.5	22315.	2162.1	1321.2	2206.2

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: S6 Acquired: 12/14/2024 12:11:11 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S06 Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3736	Fe2598	Mg2790	Na8183
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**90.293**	**40.503**	**18.750**	**10.533**	**6.7099**
Stddev	.224	.136	.091	.041	.0397
%RSD	.24791	.33644	.48318	.39300	.59229
#1	90.551	40.627	18.854	10.580	6.7389
#2	90.170	40.357	18.703	10.502	6.7262
#3	90.157	40.525	18.692	10.517	6.6646

Int. Std.	Y_3710
Units	Cts/S
Avg	**2119.2**
Stddev	8.4
%RSD	.39737
#1	2110.9
#2	2127.7
#3	2119.1

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: ICV003 Acquired: 12/14/2024 13:32:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV003 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.042777**	**1.030311**	**.9420914**	**.9078427**	**.9165320**	**2.444760**
Stddev	.007262	.007831	.0067524	.0093736	.0082438	.077365
%RSD	.6964097	.7600753	.7167503	1.032511	.8994514	3.164540
#1	1.045377	1.039342	.9498340	.9185215	.9245516	2.382448
#2	1.034573	1.026187	.9390170	.9009750	.9080810	2.531353
#3	1.048381	1.025404	.9374232	.9040315	.9169634	2.420479

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5267362**	**.4853042**	**.4761029**	**9.996435**	**.5237009**	**.4694230**
Stddev	.0119486	.0078682	.0042521	.257450	.0071746	.0055088
%RSD	2.268412	1.621301	.8931107	2.575420	1.369986	1.173529
#1	.5172877	.4767249	.4809439	9.802972	.5209363	.4757840
#2	.5401675	.4921834	.4743922	10.28864	.5183199	.4662371
#3	.5227533	.4870042	.4729724	9.89769	.5318466	.4662479

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4976779**	**10.30342**	**.5230939**	**5.974555**	**.4851125**	**.2513865**
Stddev	.0205517	.27106	.0110426	.155042	.0045628	.0042421
%RSD	4.129523	2.630743	2.111022	2.595040	.9405592	1.687486
#1	.4752505	10.10182	.5122294	5.825288	.4903782	.2494558
#2	.5156095	10.61156	.5343064	6.134789	.4826312	.2484532
#3	.5021739	10.19687	.5227459	5.963586	.4823280	.2562506

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.26417**	**.5086495**	**.9274281**	**9.301370**	F **-.000814**	F **-.021707**
Stddev	.22715	.0094912	.0175080	.199520	.000865	.000393
%RSD	2.213069	1.865957	1.887805	2.145055	106.2368	1.812051
#1	10.30033	.4998203	.9075931	9.254183	-.001682	-.022140
#2	10.47107	.5186870	.9339607	9.520254	-.000807	-.021610
#3	10.02111	.5074413	.9407307	9.129674	.000047	-.021371

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: ICV003 Acquired: 12/14/2024 13:32:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV003 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.000380	F -.001596	F -.033656	F -.000566	F -.005647	F -.009052
Stddev	.000523	.005735	.000495	.000918	.002462	.000422
%RSD	137.4453	359.4281	1.471973	162.2159	43.60343	4.660514
#1	-.000936	.002933	-.033968	-.001484	-.006994	-.008623
#2	.000102	-.008045	-.033084	.000352	-.002805	-.009466
#3	-.000307	.000324	-.033915	-.000566	-.007142	-.009067

Elem	Li6707
Units	ppm
Avg	F -.021118
Stddev	.004691
%RSD	22.21496
#1	-.024591
#2	-.022982
#3	-.015781

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1995.248	24629.60	2282.722	1713.205	2754.725
Stddev	17.278	299.94	36.203	24.650	25.530
%RSD	.8659367	1.217789	1.585937	1.438806	.9267759
#1	1975.497	24744.53	2315.930	1730.108	2726.452
#2	2002.682	24855.08	2244.128	1724.586	2761.631
#3	2007.564	24289.20	2288.108	1684.921	2776.091

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: ICB003 Acquired: 12/14/2024 13:36:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB003 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019963	-.000389	.0004564	.0020014	-.000470	.0203237
Stddev	.0031239	.001541	.0009895	.0036061	.002290	.0150354
%RSD	156.4841	396.0229	216.8214	180.1809	487.0503	73.97947
#1	-.001447	-.001891	.0007474	.0060640	.002113	.0376703
#2	.004648	-.000464	.0012677	-.000821	-.001272	.0110294
#3	.002788	.001188	-.000646	.000761	-.002252	.0122715

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001431	-.000083	-.000023	-.011872	.0002465	-.000215
Stddev	.000552	.000107	.000055	.011683	.0002631	.000432
%RSD	38.60429	128.9416	244.8242	98.40884	106.7131	201.3319
#1	-.001041	.000040	.000008	.001527	.0005502	-.000688
#2	-.001188	-.000141	-.000086	-.019932	.0000966	-.000116
#3	-.002063	-.000148	.000010	-.017212	.0000927	.000160

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.011946	.0092471	-.000001	-.014546	-.001271	.0020043
Stddev	.009691	.0519477	.000346	.092164	.000461	.0017702
%RSD	81.12480	561.7745	34469.01	633.5954	36.26745	88.32392
#1	-.019404	.0356238	.000399	-.115347	-.001010	.0009636
#2	-.000992	.0427146	-.000201	.006297	-.001000	.0040482
#3	-.015441	-.050597	-.000201	.065411	-.001803	.0010010

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.094737	-.000501	.0008323	.2907842	-.002505	-.014965
Stddev	.133618	.008298	.0067838	.0930869	.000109	.000878
%RSD	141.0406	1656.053	815.0637	32.01238	4.368697	5.868418
#1	.055195	.006982	.0018572	.2595164	-.002631	-.015219
#2	-.201231	-.009425	-.006406	.3954795	-.002455	-.015689
#3	-.138176	.000940	.007045	.2173568	-.002430	-.013988

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: ICB003 Acquired: 12/14/2024 13:36:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB003 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008573	-.013436	-.035177	-.001715	-.003417	-.000069
Stddev	.0000687	.003311	.000955	.001797	.002787	.000167
%RSD	8.011708	24.64445	2.716067	104.8307	81.55727	243.7475
#1	.0008138	-.009614	-.036258	.000017	-.005690	-.000182
#2	.0009364	-.015442	-.034447	-.001590	-.004253	-.000147
#3	.0008215	-.015252	-.034825	-.003571	-.000308	.000123

Elem	Li6707
Units	ppm
Avg	F -.016885
Stddev	.002830
%RSD	16.75775
#1	-.014390
#2	-.016306
#3	-.019959

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2014.374	25194.83	2215.799	1749.277	2809.807
Stddev	8.283	1324.24	4.891	89.768	12.653
%RSD	.4111725	5.256007	.2207235	5.131727	.4503275
#1	2006.596	24429.52	2212.059	1690.683	2800.293
#2	2023.082	24431.04	2214.003	1704.525	2824.167
#3	2013.443	26723.94	2221.333	1852.624	2804.959

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: ICSA003 Acquired: 12/14/2024 13:48:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA003 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.005787**	**.0143398**	**.0070659**	**-.017451**	**.0074999**	**248.7256**
Stddev	.002452	.0031624	.0029356	.009227	.0028833	18.8369
%RSD	42.37191	22.05322	41.54642	52.87333	38.44527	7.573370
#1	-.007214	.0171094	.0038021	-.026549	.0105742	230.2452
#2	-.007190	.0108940	.0094907	-.017705	.0070695	267.8998
#3	-.002955	.0150159	.0079048	-.008100	.0048559	248.0317

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0043323**	**.0014044**	**.0009407**	**246.7715**	**.0505851**	**.0354173**
Stddev	.0005169	.0001828	.0001961	18.4824	.0036932	.0003413
%RSD	11.93082	13.01790	20.84464	7.489661	7.300984	.9636406
#1	.0037373	.0012204	.0011505	228.9679	.0530100	.0352058
#2	.0046703	.0015860	.0009095	265.8650	.0463346	.0358110
#3	.0045894	.0014068	.0007621	245.4818	.0524106	.0352351

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0187459**	**104.0831**	**.0095453**	**253.8998**	**.0070081**	**-.006241**
Stddev	.0096244	8.0113	.0001633	19.1930	.0005389	.001150
%RSD	51.34132	7.697014	1.710446	7.559270	7.689916	18.42288
#1	.0084405	96.1633	.0097226	235.3990	.0076260	-.007114
#2	.0275010	112.1829	.0095121	273.7171	.0067628	-.004938
#3	.0202962	103.9031	.0094012	252.5834	.0066354	-.006670

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0123412**	**.0024444**	**-.028919**	**-.390320**	**.0059887**	F **-.067194**
Stddev	.7288507	.0106218	.005989	.237329	.0020858	.002050
%RSD	5905.839	434.5330	20.70943	60.80370	34.82888	3.050207
#1	-.652063	-.007905	-.022057	-.637342	.0083239	-.065428
#2	-.102837	.013319	-.031607	-.164046	.0043105	-.069441
#3	.791923	.001919	-.033092	-.369572	.0053317	-.066713

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: ICSA003 Acquired: 12/14/2024 13:48:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA003 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003500	.0068088	-.040781	F .0079603	-.006691	.0018047
Stddev	.000344	.0009698	.000488	.0015828	.000935	.0002530
%RSD	9.825494	14.24284	1.197165	19.88391	13.96649	14.01706
#1	-.003763	.0059977	-.041286	.0062681	-.007493	.0020399
#2	-.003626	.0078830	-.040311	.0094044	-.005665	.0018370
#3	-.003111	.0065456	-.040745	.0082085	-.006917	.0015371

Elem	Li6707
Units	ppm
Avg	F -.018719
Stddev	.005409
%RSD	28.89872
#1	-.024902
#2	-.014859
#3	-.016395

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1876.996	22840.44	2221.796	1600.245	2421.344
Stddev	8.731	1149.92	139.955	79.314	10.629
%RSD	.4651415	5.034584	6.299203	4.956339	.4389763
#1	1869.111	22110.20	2355.908	1561.292	2412.185
#2	1875.499	24165.97	2076.650	1691.504	2418.848
#3	1886.379	22245.16	2232.830	1547.940	2432.999

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: ICSAB003 Acquired: 12/14/2024 14:07:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB003 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1002839**	**.1301300**	**.0571232**	**.0276274**	**.5462790**	**262.3385**
Stddev	.0026047	.0049179	.0033015	.0051155	.0029089	27.7499
%RSD	2.597355	3.779221	5.779578	18.51606	.5324882	10.57789
#1	.0986465	.1244567	.0535834	.0224945	.5465904	235.2839
#2	.1032875	.1331804	.0601187	.0276622	.5432269	290.7349
#3	.0989176	.1327530	.0576676	.0327254	.5490196	260.9966

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5848589**	**.5192235**	**1.001966**	**259.3118**	**.5756484**	**.5095373**
Stddev	.0594550	.0501475	.008612	27.3065	.0077140	.0033985
%RSD	10.16570	9.658175	.8594956	10.53039	1.340049	.6669731
#1	.5254276	.4734078	1.002416	232.7711	.5845291	.5096753
#2	.6443375	.5727984	.993137	287.3246	.5706128	.5060719
#3	.5848116	.5114644	1.010343	257.8396	.5718032	.5128647

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4895056**	**109.5362**	**.5656782**	**266.3778**	**.9979332**	**.1881489**
Stddev	.0536500	11.4173	.0597911	28.1661	.0076593	.0013141
%RSD	10.96003	10.42330	10.56980	10.57372	.7675109	.6984582
#1	.4406701	98.2983	.5069379	239.0887	.9990870	.1883829
#2	.5469331	121.1248	.6264674	295.3457	.9897625	.1893303
#3	.4809137	109.1854	.5636294	264.6991	1.004950	.1867335

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0271809**	**.5570621**	**.8958801**	**-.613843**	**.0014976**	F **-.070675**
Stddev	.3580336	.0566786	.0048708	.194347	.0006973	.006466
%RSD	1317.223	10.17456	.5436877	31.66070	46.56274	9.148294
#1	-.383506	.4979229	.9010410	-.827752	.0021850	-.065141
#2	.191414	.6109089	.8913635	-.448126	.0015168	-.077782
#3	.273635	.5623545	.8952359	-.565652	.0007908	-.069102

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: ICSAB003 Acquired: 12/14/2024 14:07:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB003 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004041	.0024067	-.042149	F .0074211	-.008196	.0016947
Stddev	.000104	.0033423	.001540	.0023036	.003398	.0009022
%RSD	2.562750	138.8753	3.654302	31.04075	41.45997	53.23288
#1	-.003925	-.000616	-.043431	.0049222	-.006836	.0013648
#2	-.004075	.001840	-.040441	.0094599	-.012063	.0027154
#3	-.004124	.005996	-.042576	.0078811	-.005688	.0010040

Elem	Li6707
Units	ppm
Avg	F -.022009
Stddev	.001986
%RSD	9.024434
#1	-.024206
#2	-.020342
#3	-.021478

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1870.272	23089.82	2152.026	1616.045	2425.887
Stddev	10.847	241.69	205.874	19.698	17.997
%RSD	.5799847	1.046731	9.566531	1.218929	.7418570
#1	1869.911	22812.27	2350.996	1593.420	2428.252
#2	1881.295	23203.35	1939.880	1629.389	2442.584
#3	1859.609	23253.85	2165.202	1625.325	2406.825

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCV016 Acquired: 12/14/2024 14:26:46 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV016 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.878935**	**5.182653**	**24.30905**	**4.703120**	**4.729909**	**414.1476**	**10.53169**
Stddev	.005342	.113706	.53434	.115864	.118738	.7647	.03226
%RSD	.1095006	2.193980	2.198115	2.463561	2.510365	.1846492	.3063567
#1	4.880870	5.313476	24.92602	4.836823	4.866428	414.9976	10.56633
#2	4.872895	5.126888	24.00578	4.632143	4.672638	413.9297	10.50250
#3	4.883040	5.107594	23.99534	4.640393	4.650662	413.5155	10.52624

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4729012**	**2.413583**	**406.5910**	**15.04010**	**2.340935**	**15.18267**	**413.5817**
Stddev	.0038272	.052513	.3526	.38683	.052712	.04111	.5213
%RSD	.8093043	2.175724	.0867124	2.571970	2.251771	.2707706	.1260360
#1	.4766786	2.474210	406.8749	15.48091	2.401774	15.22003	414.0993
#2	.4690261	2.384192	406.7017	14.88215	2.312117	15.18935	413.0569
#3	.4729989	2.382346	406.1963	14.75725	2.308914	15.13862	413.5889

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.14344**	**388.1887**	**2.421997**	**1.267878**	**402.6511**	**2.531064**	**14.50389**
Stddev	.02883	.5103	.056433	.030933	.6973	.015282	.26211
%RSD	.1903541	.1314652	2.330010	2.439764	.1731659	.6037637	1.807179
#1	15.16617	388.7030	2.487152	1.303054	403.0085	2.547557	14.80249
#2	15.11102	387.6825	2.390289	1.255661	403.0971	2.528250	14.39737
#3	15.15315	388.1806	2.388550	1.244919	401.8476	2.517385	14.31180

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**153.4072**	**4.914140**	**4.650521**	**4.895045**	**4.813028**	**4.894852**	**4.999892**
Stddev	.7040	.105798	.037424	.128435	.111873	.054063	.106086
%RSD	.4589010	2.152936	.8047175	2.623772	2.324379	1.104493	2.121771
#1	153.3345	5.036239	4.682140	5.043250	4.942178	4.947904	5.122389
#2	152.7423	4.849593	4.609203	4.825624	4.750875	4.839831	4.939042
#3	154.1447	4.856590	4.660221	4.816260	4.746031	4.896821	4.938245

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCV016 Acquired: 12/14/2024 14:26:46 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV016 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.119405	4.718115	5.243909
Stddev	.014591	.011290	.001109
%RSD	.2850144	.2392867	.0211506
#1	5.136175	4.729140	5.245188
#2	5.109621	4.706578	5.243208
#3	5.112417	4.718626	5.243332

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1602.661	21607.59	2146.234	1416.751	2205.991
Stddev	40.857	525.50	7.783	30.464	46.527
%RSD	2.549349	2.431993	.3626319	2.150282	2.109137
#1	1555.719	21032.54	2137.368	1382.025	2152.377
#2	1622.053	21727.38	2151.940	1429.253	2229.815
#3	1630.211	22062.85	2149.394	1438.975	2235.782

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCB016 Acquired: 12/14/2024 14:30:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB016 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002523**	**-.002306**	**.0044963**	**.0052615**	**-.001431**	**.0024351**	**-.001926**
Stddev	.0028941	.001650	.0013732	.0043076	.003361	.0221865	.000467
%RSD	1146.968	71.53220	30.54154	81.86938	234.8535	911.1084	24.22831
#1	.0035902	-.003964	.0037476	.0002914	-.005222	.0229270	-.001486
#2	-.001558	-.000665	.0036600	.0075779	-.000253	-.021126	-.002416
#3	-.001275	-.002289	.0060811	.0079153	.001182	.005505	-.001877

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000164**	**-.000078**	**-.006890**	**.0000067**	**-.000093**	**-.005075**	**.0326240**
Stddev	.0000931	.000103	.060088	.0003906	.000447	.003170	.0435024
%RSD	568.9294	131.2174	872.0505	5802.157	482.5812	62.46646	133.3446
#1	-.000042	-.000177	-.020269	.0001409	-.000454	-.003171	.0814821
#2	.000124	.000028	.058759	.0003126	-.000232	-.003319	.0183005
#3	-.000032	-.000086	-.059162	-.000433	.000408	-.008734	-.001911

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000036**	**.0671376**	**-.000444**	**.0018297**	**.1526063**	**-.005132**	**.0036121**
Stddev	.001775	.0866696	.000473	.0003893	.7657034	.004522	.0077141
%RSD	4967.690	129.0925	106.5606	21.27669	501.7507	88.11985	213.5609
#1	.001646	.0956334	-.000979	.0021439	-.431909	-.009927	.0036243
#2	-.001891	.1359717	-.000270	.0019511	-.129643	-.000943	-.004108
#3	.000138	-.030192	-.000082	.0013942	1.019371	-.004526	.011320

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4261645**	**-.002925**	**.0061134**	**.0003366**	**-.011811**	**-.037379**	**.0007399**
Stddev	.0835629	.001172	.0008963	.0001413	.004490	.001071	.0014238
%RSD	19.60813	40.05736	14.66109	41.99425	38.01461	2.865334	192.4175
#1	.4055450	-.004004	.0051092	.0002240	-.008598	-.037531	.0005776
#2	.5181068	-.003092	.0068324	.0002906	-.009894	-.038366	.0022379
#3	.3548416	-.001679	.0063985	.0004952	-.016941	-.036240	-.000596

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCB016 Acquired: 12/14/2024 14:30:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB016 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.001340	-.000042	-.012269
Stddev	.000970	.000312	.006031
%RSD	72.34282	738.3652	49.15850
#1	-.002058	.000073	-.017886
#2	-.001726	-.000395	-.005895
#3	-.000237	.000196	-.013026

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1996.365	24450.73	2194.279	1700.430	2804.363
Stddev	20.934	564.42	17.504	42.676	33.003
%RSD	1.048614	2.308383	.7976934	2.509703	1.176859
#1	1992.724	24083.94	2186.650	1676.525	2796.794
#2	2018.880	24167.58	2181.885	1675.065	2840.494
#3	1977.490	25100.67	2214.302	1749.701	2775.802

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: PB165290BL Acquired: 12/14/2024 14:34:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS290 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000187**	**.0000790**	**.0033051**	**.0014425**	**.0003773**	**.0081376**	**-.000978**
Stddev	.001416	.0002818	.0005636	.0016405	.0031598	.0139660	.000613
%RSD	757.6428	356.6118	17.05332	113.7293	837.5677	171.6228	62.71507
#1	-.000232	.0000734	.0039557	-.000438	-.000160	.0239966	-.000920
#2	.001251	.0003636	.0029643	.002185	-.002479	-.002325	-.001618
#3	-.001580	-.000200	.0029953	.002581	.003771	.002742	-.000396

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000343**	**-.000148**	**-.053079**	**-.000361**	**-.000012**	**-.016729**	**-.025524**
Stddev	.0000804	.000076	.019354	.000313	.000475	.001497	.018956
%RSD	234.4198	51.27470	36.46257	86.50955	3896.791	8.947518	74.26535
#1	.0000773	-.000134	-.032611	-.000125	-.000350	-.016665	-.005672
#2	-.000058	-.000231	-.055544	-.000716	.000531	-.015265	-.043433
#3	.000084	-.000080	-.071083	-.000243	-.000218	-.018256	-.027467

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001867**	**.0051143**	**-.001012**	**.0022765**	**.4105547**	**-.008578**	**-.002028**
Stddev	.000526	.0798203	.000775	.0003317	.5766509	.005481	.008265
%RSD	28.18231	1560.740	76.58756	14.57179	140.4565	63.89836	407.6413
#1	-.001305	-.058927	-.001013	.0025407	-.255067	-.013620	.006254
#2	-.001949	.094540	-.001786	.0019042	.727963	-.002743	-.002060
#3	-.002347	-.020270	-.000236	.0023846	.758768	-.009372	-.010276

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2001354**	**-.001493**	**-.007358**	**.0006827**	**-.009179**	**-.039882**	**-.000295**
Stddev	.2014195	.001367	.000971	.0001482	.001228	.000617	.000838
%RSD	100.6416	91.52853	13.20201	21.70042	13.37578	1.546600	284.3142
#1	.3988104	-.003049	-.007812	.0007951	-.009112	-.039520	-.000370
#2	.2055166	-.000941	-.008020	.0007382	-.007986	-.039531	.000579
#3	-.003921	-.000489	-.006243	.0005148	-.010439	-.040594	-.001093

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: PB165290BL Acquired: 12/14/2024 14:34:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS290 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	**-.004473**	**.0001724**	**-.012477**
Stddev	.001852	.0001763	.001400
%RSD	41.39890	102.2844	11.22226
#1	-.003040	.0003404	-.012888
#2	-.006564	.0001880	-.010917
#3	-.003815	-.000011	-.013625

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2026.653**	**23850.35**	**2222.539**	**1661.052**	**2843.682**
Stddev	47.599	892.15	26.742	60.528	68.266
%RSD	2.348633	3.740631	1.203199	3.643980	2.400632
#1	2075.930	23326.44	2192.731	1623.527	2914.321
#2	1980.932	23344.14	2244.423	1628.749	2778.066
#3	2023.099	24880.47	2230.464	1730.879	2838.659

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: PB165290BS Acquired: 12/14/2024 14:38:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS290 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0195550**	**.0509739**	**.0197810**	**.0619940**	**.0939783**	**.4365417**
Stddev	.0039558	.0007478	.0022837	.0036028	.0012879	.0137343
%RSD	20.22926	1.467077	11.54496	5.811580	1.370453	3.146161
#1	.0167795	.0514656	.0171860	.0581156	.0953109	.4356638
#2	.0178010	.0513429	.0206724	.0626297	.0927402	.4232673
#3	.0240846	.0501133	.0214845	.0652366	.0938840	.4506938

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4194723**	**.0096538**	**.0091305**	**9.803750**	**.0199560**	**.0928985**
Stddev	.0084202	.0000770	.0001864	.259963	.0015036	.0015919
%RSD	2.007322	.7978698	2.041259	2.651673	7.534508	1.713590
#1	.4102162	.0095667	.0092294	9.527704	.0207425	.0935421
#2	.4215230	.0096816	.0089155	9.839646	.0209032	.0910856
#3	.4266777	.0097130	.0092466	10.04390	.0182223	.0940679

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0441284**	**.1911338**	**.0315142**	**9.891207**	**.0736091**	**.0225185**
Stddev	.0083635	.0168704	.0006475	.241615	.0012527	.0009596
%RSD	18.95263	8.826468	2.054517	2.442729	1.701836	4.261258
#1	.0397584	.2103397	.0319728	9.639740	.0742366	.0214785
#2	.0388551	.1843518	.0307736	9.912291	.0721667	.0233695
#3	.0537716	.1787098	.0317962	10.12159	.0744241	.0227075

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.09377**	**.1091581**	**.1069273**	**10.17937**	**.0150437**	F **-.010091**
Stddev	.59003	.0062727	.0076060	.46145	.0020704	.003248
%RSD	5.845534	5.746463	7.113239	4.533166	13.76287	32.18575
#1	9.58515	.1120947	.1127624	9.67175	.0172874	-.006443
#2	10.74066	.1019557	.0983251	10.29290	.0132070	-.011160
#3	9.95549	.1134238	.1096942	10.57346	.0146366	-.012669

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: PB165290BS Acquired: 12/14/2024 14:38:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS290 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0184350	.1590362	F .4622521	.0124539	.1991709	.2038010
Stddev	.0001976	.0062248	.0098730	.0014268	.0017863	.0043378
%RSD	1.072116	3.914109	2.135854	11.45663	.8968952	2.128455
#1	.0183657	.1611188	.4521933	.0137325	.1971121	.1992263
#2	.0182814	.1520371	.4626348	.0109148	.2003100	.2043218
#3	.0186580	.1639527	.4719282	.0127145	.2000905	.2078549

Elem	Li6707
Units	ppm
Avg	F .0137504
Stddev	.0028156
%RSD	20.47624
#1	.0110762
#2	.0166888
#3	.0134863

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1974.606	24324.78	2256.985	1686.763	2760.950
Stddev	33.054	84.67	44.918	8.693	48.200
%RSD	1.673939	.3480906	1.990192	.5153903	1.745790
#1	1953.793	24257.95	2301.248	1677.390	2728.680
#2	2012.719	24420.00	2258.268	1694.561	2816.357
#3	1957.305	24296.39	2211.439	1688.337	2737.815

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: PB165264BL Acquired: 12/14/2024 14:42:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS264 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.003787**	**-.005313**	**.0013105**	**.0035587**	**-.000012**	**.0180626**
Stddev	.001058	.001170	.0018486	.0056308	.001323	.0235076
%RSD	27.95028	22.02361	141.0596	158.2257	11149.57	130.1452
#1	-.002903	-.005387	-.000169	.0096642	.001398	-.003206
#2	-.003497	-.004108	.000718	-.001430	-.000207	.014091
#3	-.004960	-.006445	.003383	.002442	-.001227	.043303

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001740**	**.0000526**	**-.000199**	**-.073386**	**.0000434**	**-.000293**
Stddev	.001427	.0000857	.000089	.046576	.0007201	.000099
%RSD	81.98975	162.8339	45.03088	63.46719	1658.192	33.86066
#1	-.003363	-.000044	-.000120	-.063204	-.000780	-.000212
#2	-.001172	.000084	-.000180	-.032743	.000554	-.000263
#3	-.000685	.000118	-.000296	-.124211	.000357	-.000403

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.008544**	**.0304584**	**-.000223**	**-.001402**	**-.000377**	**.0007709**
Stddev	.001283	.0199522	.001305	.018255	.000453	.0003950
%RSD	15.01159	65.50637	585.3765	1302.024	120.2173	51.23222
#1	-.008944	.0181706	-.001702	.019165	.000121	.0005345
#2	-.007109	.0534797	.000267	-.007685	-.000488	.0005514
#3	-.009579	.0197248	.000766	-.015686	-.000765	.0012269

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.261164**	**.0087521**	**-.001108**	**.2502639**	**-.001954**	**-.012713**
Stddev	.433169	.0039855	.002777	.0373171	.000689	.000096
%RSD	165.8608	45.53699	250.5986	14.91108	35.25724	.7556863
#1	-.363541	.0115891	.001300	.2304067	-.001468	-.012693
#2	-.633974	.0041956	-.000478	.2933110	-.001653	-.012628
#3	.214022	.0104718	-.004146	.2270741	-.002743	-.012817

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: PB165264BL Acquired: 12/14/2024 14:42:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS264 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006512	-.011536	-.039525	-.000521	-.000461	-.000043
Stddev	.0004139	.001036	.000208	.001056	.003829	.000120
%RSD	63.55975	8.984156	.5253475	202.8003	830.1653	280.4299
#1	.0006846	-.010351	-.039456	-.000831	-.004135	.000079
#2	.0010474	-.011985	-.039759	.000655	.003506	-.000047
#3	.0002216	-.012272	-.039361	-.001386	-.000754	-.000161

Elem	Li6707
Units	ppm
Avg	F -.021363
Stddev	.002865
%RSD	13.40987
#1	-.021872
#2	-.023939
#3	-.018278

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1976.430	24360.90	2217.588	1692.920	2780.086
Stddev	4.107	42.75	10.527	12.798	7.735
%RSD	.2077738	.1754840	.4747066	.7559751	.2782215
#1	1978.971	24315.78	2228.514	1690.801	2781.782
#2	1971.692	24366.14	2216.738	1681.314	2771.644
#3	1978.626	24400.79	2207.512	1706.645	2786.832

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: PB165264BS Acquired: 12/14/2024 14:46:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS264 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0218940**	**.0506293**	**.0203557**	**.0575417**	**.0935293**	**.4438602**
Stddev	.0044012	.0029488	.0042265	.0015075	.0019244	.0081211
%RSD	20.10226	5.824210	20.76314	2.619749	2.057542	1.829658
#1	.0183197	.0473259	.0234456	.0571403	.0957230	.4344887
#2	.0268099	.0515660	.0155393	.0592092	.0927389	.4482568
#3	.0205526	.0529959	.0220823	.0562755	.0921259	.4488351

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4217166**	**.0097365**	**.0088611**	**9.812976**	**.0194528**	**.0896776**
Stddev	.0007611	.0001394	.0001921	.030671	.0007879	.0008250
%RSD	.1804692	1.431399	2.167470	.3125524	4.050248	.9199716
#1	.4223269	.0098958	.0090273	9.825641	.0189601	.0901451
#2	.4208638	.0096769	.0086508	9.778001	.0203615	.0887250
#3	.4219590	.0096369	.0089051	9.835287	.0190367	.0901627

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0480123**	**.2014647**	**.0313875**	**10.01646**	**.0706251**	**.0216822**
Stddev	.0093384	.0345139	.0007766	.06790	.0008827	.0009448
%RSD	19.44991	17.13147	2.474265	.6778650	1.249902	4.357303
#1	.0446464	.2362035	.0322787	10.07400	.0715192	.0218321
#2	.0408235	.1671802	.0308556	10.03380	.0697541	.0206714
#3	.0585670	.2010105	.0310282	9.94157	.0706021	.0225430

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.21046**	**.1107760**	**.1099752**	**10.06394**	**.0173440**	F **-.015321**
Stddev	.38100	.0054735	.0050100	.17522	.0004004	.000367
%RSD	3.731489	4.941041	4.555539	1.741035	2.308572	2.397492
#1	10.14348	.1169040	.1154340	9.91537	.0173262	-.015519
#2	10.62051	.1063721	.1089044	10.01928	.0169528	-.015547
#3	9.86739	.1090520	.1055873	10.25716	.0177530	-.014897

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: PB165264BS Acquired: 12/14/2024 14:46:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS264 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0174721	.1535283	F .4641102	.0117210	.1992711	.2061236
Stddev	.0003276	.0031729	.0046562	.0011405	.0013386	.0006179
%RSD	1.874957	2.066635	1.003254	9.730454	.6717568	.2997563
#1	.0172352	.1550867	.4675858	.0108701	.1989933	.2066380
#2	.0173352	.1498776	.4588199	.0112760	.1980931	.2054382
#3	.0178459	.1556206	.4659250	.0130169	.2007268	.2062945

Elem	Li6707
Units	ppm
Avg	F .0148331
Stddev	.0014718
%RSD	9.922624
#1	.0145205
#2	.0135427
#3	.0164362

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2020.584	24500.60	2229.852	1702.269	2836.839
Stddev	23.041	91.85	15.119	5.864	39.937
%RSD	1.140302	.3748981	.6780266	.3445028	1.407783
#1	2002.166	24448.91	2217.633	1695.511	2804.533
#2	2046.420	24606.65	2246.760	1706.022	2881.490
#3	2013.165	24446.24	2225.162	1705.273	2824.493

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: PB165282BL Acquired: 12/14/2024 14:50:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS282 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.004834**	**-.000976**	**-.000770**	**.0034460**	**.0011453**	**.0114715**
Stddev	.002906	.000774	.001011	.0006440	.0006424	.0178563
%RSD	60.11797	79.30698	131.3188	18.68845	56.09509	155.6580
#1	-.008035	-.000169	-.001026	.0040334	.0017218	.0293084
#2	-.002363	-.001046	-.001629	.0035473	.0004528	.0115104
#3	-.004103	-.001712	.000344	.0027574	.0012612	-.006404

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000826**	**-.000001**	**-.000177**	**.0114681**	**.0002813**	**-.000087**
Stddev	.000448	.000083	.000144	.0400214	.0006199	.000318
%RSD	54.22225	14015.63	81.41949	348.9789	220.3223	363.8968
#1	-.000878	-.000090	-.000197	-.026856	.0006512	-.000240
#2	-.001245	.000075	-.000024	.008266	.0006272	-.000300
#3	-.000354	.000014	-.000309	.052995	-.000434	.000278

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.008485**	**-.002443**	**-.001230**	**-.020436**	**-.001126**	**.0020342**
Stddev	.006686	.023612	.001623	.065518	.000541	.0005892
%RSD	78.79594	966.5518	131.9574	320.6007	48.04455	28.96534
#1	-.016129	.024811	.000059	-.046902	-.001454	.0024012
#2	-.005597	-.015404	-.003052	-.068581	-.000501	.0023468
#3	-.003729	-.016735	-.000696	.054175	-.001422	.0013546

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0668304**	**.0035389**	**-.000297**	**.2934408**	**-.001594**	**-.014311**
Stddev	.6343157	.0071205	.005963	.2326876	.002751	.001442
%RSD	949.1420	201.2059	2006.569	79.29626	172.5231	10.07809
#1	.1436532	.0034944	-.001050	.0505208	-.004673	-.014422
#2	-.602398	-.003559	.006007	.3154729	.000623	-.012817
#3	.659236	.010682	-.005848	.5143288	-.000733	-.015695

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: PB165282BL Acquired: 12/14/2024 14:50:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS282 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004901	-.010188	-.038175	-.001035	-.004177	.0000372
Stddev	.0003929	.004973	.000526	.001534	.001333	.0002181
%RSD	80.18077	48.81489	1.378454	148.1809	31.91414	586.7683
#1	.0004118	-.007042	-.038731	-.001435	-.004984	-.000095
#2	.0001422	-.015922	-.038111	-.002329	-.004908	-.000083
#3	.0009162	-.007600	-.037684	.000659	-.002638	.000289

Elem	Li6707
Units	ppm
Avg	F -.019112
Stddev	.002530
%RSD	13.23701
#1	-.018721
#2	-.021815
#3	-.016801

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1959.843	24600.49	2203.958	1713.538	2757.494
Stddev	37.314	211.15	17.751	24.464	57.611
%RSD	1.903940	.8583363	.8054107	1.427675	2.089266
#1	2002.008	24618.69	2217.218	1721.290	2822.370
#2	1946.437	24801.96	2183.792	1733.187	2737.798
#3	1931.083	24380.83	2210.863	1686.138	2712.313

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: PB165282BS Acquired: 12/14/2024 14:54:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS282 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0161412**	**.0501214**	**.0215684**	**.0564678**	**.0976043**	**.4387595**
Stddev	.0046487	.0025218	.0019734	.0017624	.0058437	.0233565
%RSD	28.80024	5.031414	9.149482	3.121150	5.987163	5.323309
#1	.0185626	.0522259	.0193137	.0577224	.1041744	.4430442
#2	.0190794	.0473262	.0224102	.0544528	.0929871	.4596770
#3	.0107816	.0508122	.0229813	.0572282	.0956513	.4135572

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4317288**	**.0100177**	**.0091666**	**10.06255**	**.0203277**	**.0923105**
Stddev	.0010883	.0001424	.0001084	.02323	.0007962	.0009903
%RSD	.2520721	1.421164	1.183113	.2308218	3.917032	1.072775
#1	.4323415	.0099203	.0092916	10.03575	.0207188	.0927121
#2	.4323726	.0101811	.0091106	10.07691	.0208527	.0930369
#3	.4304723	.0099518	.0090976	10.07499	.0194115	.0911825

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0411683**	**.2460587**	**.0332195**	**10.22587**	**.0740161**	**.0220407**
Stddev	.0077452	.0142977	.0018668	.14046	.0010293	.0006272
%RSD	18.81352	5.810663	5.619553	1.373599	1.390592	2.845830
#1	.0501092	.2622949	.0353541	10.37148	.0751966	.0227018
#2	.0365136	.2405317	.0318924	10.21494	.0733067	.0219663
#3	.0368822	.2353496	.0324120	10.09119	.0735450	.0214539

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.76724**	**.1090024**	**.1155138**	**10.38898**	**.0187991**	F **-.015133**
Stddev	.32171	.0050603	.0049508	.07636	.0010905	.000085
%RSD	2.987842	4.642355	4.285922	.7350349	5.800588	.5613266
#1	11.12849	.1031740	.1169990	10.35284	.0195829	-.015205
#2	10.51166	.1122754	.1099904	10.47670	.0175537	-.015039
#3	10.66157	.1115577	.1195521	10.33739	.0192604	-.015154

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: PB165282BS Acquired: 12/14/2024 14:54:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS282 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0189695	.1602890	F .4757691	.0115178	.2066332	.2096355
Stddev	.0002737	.0037860	.0018032	.0003212	.0007096	.0003822
%RSD	1.442717	2.361954	.3790131	2.788642	.3434074	.1823314
#1	.0188836	.1645953	.4737281	.0111483	.2061670	.2099787
#2	.0187490	.1587879	.4771465	.0117296	.2062828	.2092236
#3	.0192758	.1574837	.4764328	.0116756	.2074498	.2097042

Elem	Li6707
Units	ppm
Avg	F .0111877
Stddev	.0028010
%RSD	25.03677
#1	.0097411
#2	.0144162
#3	.0094057

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1999.381	24520.89	2225.632	1698.348	2800.804
Stddev	18.382	130.37	11.482	8.363	25.578
%RSD	.9193629	.5316571	.5159175	.4923943	.9132221
#1	1978.963	24625.10	2218.828	1700.060	2771.857
#2	2004.570	24562.87	2238.889	1705.722	2810.199
#3	2014.610	24374.70	2219.178	1689.262	2820.355

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: PB165262BL Acquired: 12/14/2024 14:58:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS262 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001028**	k **-.003959**	**-.000237**	**.0029894**	k **.0011837**	**.0317358**
Stddev	.003731	.001322	.001692	.0061589	.0021269	.0112778
%RSD	362.9912	33.38367	712.8194	206.0205	179.6895	35.53659
#1	.002901	k -.005098	-.001403	.0023120	k -.000440	.0227410
#2	-.004524	-.004269	-.001013	-.002803	.003591	.0280779
#3	-.001461	-.002510	.001703	.009459	.000400	.0443886

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001254**	**-.000014**	k **-.000075**	**.0000327**	s **-.000083**	**-.000183**
Stddev	.000132	.000124	.000070	.0234539	.000786	.000036
%RSD	10.51538	878.4951	92.58523	71840.32	946.8771	19.81457
#1	-.001199	-.000037	k -.000008	.0269749	s .000733	-.000208
#2	-.001160	.000120	-.000070	-.015820	-.000146	-.000200
#3	-.001405	-.000125	-.000147	-.011057	-.000835	-.000142

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.014176**	**.0161340**	**-.001249**	**.0595732**	**-.000674**	s **.0004498**
Stddev	.006882	.0250098	.000060	.0092008	.000326	.0023440
%RSD	48.55079	155.0129	4.841941	15.44456	48.28252	521.1014
#1	-.016975	.0361377	-.001221	.0555192	-.000484	s -.002220
#2	-.019217	-.011906	-.001207	.0701049	-.001050	.002172
#3	-.006335	.024170	-.001318	.0530956	-.000489	.001397

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2762227**	k **.0033307**	**-.001649**	**.3526631**	**-.001520**	k **-.014517**
Stddev	.5499553	.0055424	.003585	.4683254	.002537	.001184
%RSD	199.0985	166.4045	217.3712	132.7968	166.8744	8.155392
#1	.7426224	k .0089485	-.000280	.6222527	-.002872	k -.013157
#2	.4162577	-.002133	-.005718	.6238483	.001406	-.015313
#3	-.330212	.003177	.001049	-.188112	-.003095	-.015082

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: PB165262BL Acquired: 12/14/2024 14:58:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS262 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008324	-.012346	-.040695	-.002564	-.002911	-.000108
Stddev	.0007225	.002411	.001425	.000540	.001965	.000255
%RSD	86.80093	19.52893	3.502512	21.08034	67.48931	236.1959
#1	.0000033	-.009602	-.039294	-.002252	-.004529	-.000396
#2	.0011667	-.013310	-.040648	-.003188	-.003479	-.000015
#3	.0013273	-.014125	-.042144	-.002251	-.000725	.000087

Elem	Li6707
Units	ppm
Avg	F -.019714
Stddev	.002258
%RSD	11.45372
#1	-.017817
#2	-.022212
#3	-.019114

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2002.157	^ *****	2327.233	1712.642	2818.150
Stddev	68.109	-----	292.374	113.933	96.178
%RSD	3.401760	-----	12.56317	6.652471	3.412821
#1	2080.287	^ -----	2141.511	1838.624	2929.063
#2	1955.307	23272.21	2175.937	1616.830	2757.792
#3	1970.877	24317.97	2664.253	1682.474	2767.594

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: PB165262BS Acquired: 12/14/2024 15:02:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS262 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0193468**	**.0473414**	**.0192860**	**.0543288**	**.0930311**	**.4329336**
Stddev	.0036715	.0025401	.0012507	.0027491	.0041394	.0216868
%RSD	18.97742	5.365425	6.484884	5.060179	4.449428	5.009262
#1	.0228738	.0478604	.0206374	.0514432	.0947768	.4336309
#2	.0155461	.0495819	.0190513	.0569173	.0960117	.4542633
#3	.0196206	.0445819	.0181693	.0546260	.0883049	.4109066

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4240278**	**.0096093**	**.0087891**	**9.773136**	**.0186721**	**.0878029**
Stddev	.0006423	.0000885	.0002922	.062960	.0015322	.0022272
%RSD	.1514764	.9205433	3.324349	.6442112	8.205659	2.536598
#1	.4246176	.0096320	.0090360	9.845143	.0180431	.0889914
#2	.4241222	.0096842	.0088648	9.745805	.0204187	.0891837
#3	.4233435	.0095117	.0084665	9.728461	.0175546	.0852335

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0493430**	**.1867350**	**.0308636**	**9.950959**	**.0697333**	**.0220313**
Stddev	.0025379	.0036410	.0013376	.060503	.0021095	.0009658
%RSD	5.143443	1.949839	4.334036	.6080151	3.025148	4.383530
#1	.0509842	.1909301	.0295799	9.999026	.0712366	.0212493
#2	.0464198	.1848773	.0322493	9.970834	.0706415	.0231108
#3	.0506250	.1843974	.0307615	9.883019	.0673218	.0217338

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.49950**	**.1114559**	**.1004414**	**10.21293**	**.0168885**	F **-.015769**
Stddev	.37820	.0031217	.0114080	.12184	.0026627	.001232
%RSD	3.602070	2.800810	11.35787	1.193002	15.76614	7.813652
#1	10.32934	.1147950	.1128130	10.35010	.0141220	-.016665
#2	10.93289	.1086105	.0981735	10.11727	.0194335	-.016278
#3	10.23627	.1109622	.0903377	10.17142	.0171100	-.014364

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: PB165262BS Acquired: 12/14/2024 15:02:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS262 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0179737	.1517892	F .4614228	.0106894	.2014779	.2047534
Stddev	.0005877	.0035939	.0049043	.0009008	.0028691	.0008136
%RSD	3.269924	2.367675	1.062866	8.427214	1.424049	.3973445
#1	.0184013	.1539224	.4658045	.0110869	.2006068	.2054354
#2	.0182162	.1538053	.4623388	.0096582	.1991452	.2038529
#3	.0173035	.1476399	.4561251	.0113231	.2046816	.2049720

Elem	Li6707
Units	ppm
Avg	F .0087729
Stddev	.0039712
%RSD	45.26650
#1	.0076875
#2	.0054573
#3	.0131739

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2020.239	24527.95	2237.338	1707.109	2842.053
Stddev	46.294	55.72	16.246	5.195	71.087
%RSD	2.291533	.2271532	.7261428	.3043365	2.501241
#1	1989.649	24473.05	2221.077	1702.360	2793.697
#2	1997.568	24584.45	2237.367	1712.658	2808.789
#3	2073.499	24526.36	2253.570	1706.309	2923.673

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: PB165263BL Acquired: 12/14/2024 15:06:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS263 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.003837**	**-.003655**	**.0015765**	**.0018328**	**-.002504**	**.0137156**
Stddev	.004005	.001516	.0016961	.0035435	.004033	.0304018
%RSD	104.3825	41.48351	107.5845	193.3361	161.0740	221.6592
#1	.000449	-.003136	.0016517	.0013661	.000708	.0408029
#2	-.004475	-.005362	.0032339	-.001454	-.001190	.0195104
#3	-.007484	-.002466	-.000156	.005587	-.007030	-.019167

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001652**	**-.000064**	**-.000161**	**-.004921**	**-.000163**	**-.000088**
Stddev	.001008	.000082	.000039	.011761	.000295	.000122
%RSD	61.00749	127.1912	23.99180	239.0200	180.6915	138.1740
#1	-.000537	-.000011	-.000118	-.009235	.000014	.000038
#2	-.001923	-.000158	-.000174	.008389	.000000	-.000204
#3	-.002497	-.000024	-.000192	-.013916	-.000503	-.000098

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.010164**	**.0043084**	**-.000108**	**.0265386**	**-.000565**	**.0010654**
Stddev	.009506	.0238160	.001491	.0851861	.000506	.0002298
%RSD	93.53161	552.7791	1386.548	320.9892	89.54890	21.56566
#1	-.021140	.0017665	-.001037	.0301232	-.000328	.0012839
#2	-.004572	-.018135	.001613	-.060383	-.000220	.0008258
#3	-.004779	.029293	-.000899	.109876	-.001145	.0010864

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.136056**	**-.001490**	**.0040284**	**.1643866**	**-.002370**	**-.016951**
Stddev	.488820	.012988	.0051623	.2224832	.001042	.003128
%RSD	359.2788	871.9066	128.1459	135.3415	43.95356	18.45313
#1	.072451	.008965	.0044247	.3098555	-.001303	-.020476
#2	-.694554	-.016029	-.001321	.2750312	-.003385	-.014507
#3	.213936	.002595	.008981	-.091727	-.002422	-.015870

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: PB165263BL Acquired: 12/14/2024 15:06:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS263 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008611	-.012890	-.038033	-.001719	-.000465	-.000029
Stddev	.0001584	.002365	.005662	.001083	.002297	.000183
%RSD	18.39357	18.34571	14.88636	63.03300	493.8512	639.9805
#1	.0007215	-.015061	-.031508	-.001965	.002099	.000171
#2	.0008285	-.010370	-.041648	-.000533	-.001161	-.000189
#3	.0010332	-.013239	-.040944	-.002657	-.002334	-.000068

Elem	Li6707
Units	ppm
Avg	F -.022162
Stddev	.002377
%RSD	10.72589
#1	-.024888
#2	-.020522
#3	-.021076

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1973.448	25704.08	2221.937	1783.845	2783.632
Stddev	31.285	412.88	13.676	28.384	60.002
%RSD	1.585317	1.606285	.6154981	1.591143	2.155531
#1	1984.604	25675.78	2206.848	1779.599	2813.985
#2	1997.627	26130.39	2225.450	1814.112	2822.394
#3	1938.114	25306.08	2233.514	1757.823	2714.518

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: PB165263BS Acquired: 12/14/2024 15:10:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS263 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0228008**	**.0484206**	**.0227179**	**.0589397**	**.0938626**	**.4367600**
Stddev	.0011756	.0005863	.0007058	.0029631	.0015499	.0061710
%RSD	5.156040	1.210827	3.106847	5.027321	1.651216	1.412902
#1	.0219378	.0484253	.0226350	.0569327	.0922043	.4297844
#2	.0241397	.0478319	.0220572	.0575435	.0941092	.4389878
#3	.0223248	.0490044	.0234615	.0623429	.0952744	.4415077

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4144722**	**.0097403**	**.0088087**	**9.749015**	**.0190349**	**.0904225**
Stddev	.0015594	.0000380	.0001732	.098946	.0005638	.0029098
%RSD	.3762453	.3901750	1.965620	1.014936	2.962176	3.217974
#1	.4126953	.0097297	.0086430	9.634763	.0193173	.0870662
#2	.4151079	.0097088	.0089884	9.806605	.0194019	.0922373
#3	.4156133	.0097825	.0087948	9.805676	.0183857	.0919638

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0467351**	**.2202377**	**.0314752**	**9.932701**	**.0708742**	**.0212567**
Stddev	.0060386	.0250377	.0014681	.040367	.0020075	.0003989
%RSD	12.92083	11.36850	4.664194	.4064010	2.832521	1.876719
#1	.0400442	.2018277	.0303080	9.923402	.0686714	.0210184
#2	.0517800	.2487480	.0331235	9.897796	.0713504	.0217173
#3	.0483812	.2101375	.0309942	9.976906	.0726009	.0210345

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.76185**	**.1034491**	**.1068509**	**10.00838**	**.0189991**	F **-.017217**
Stddev	.76298	.0067716	.0043228	.03373	.0004420	.000600
%RSD	7.089656	6.545834	4.045633	.3369688	2.326241	3.484046
#1	11.49243	.0961439	.1056578	9.99231	.0188392	-.017224
#2	9.97015	.1095163	.1116449	9.98568	.0186594	-.017813
#3	10.82296	.1046871	.1032499	10.04713	.0194988	-.016613

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: PB165263BS Acquired: 12/14/2024 15:10:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS263 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0177486	.1482872	F .4532528	.0107124	.1960823	.2027091
Stddev	.0009533	.0025636	.0031938	.0005228	.0027097	.0007739
%RSD	5.370833	1.728820	.7046314	4.880352	1.381893	.3818002
#1	.0169350	.1453356	.4495741	.0109227	.1957841	.2018268
#2	.0175134	.1495678	.4553168	.0110972	.1989288	.2032734
#3	.0187975	.1499583	.4548676	.0101172	.1935341	.2030269

Elem	Li6707
Units	ppm
Avg	F .0113008
Stddev	.0045369
%RSD	40.14702
#1	.0095101
#2	.0164597
#3	.0079324

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2002.319	24813.78	2238.725	1718.072	2802.326
Stddev	47.826	96.62	8.126	3.994	68.721
%RSD	2.388515	.3893755	.3629880	.2324606	2.452289
#1	2056.081	24828.33	2247.389	1717.831	2880.949
#2	1986.373	24902.31	2237.514	1722.181	2772.314
#3	1964.503	24710.72	2231.273	1714.204	2753.716

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-19 Acquired: 12/14/2024 15:14:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0586378	.0206163	.6889534	-.010874	.0213603	91.60452	1.057044
Stddev	.0032218	.0021942	.0139489	.003996	.0025490	1.38093	.016234
%RSD	5.494331	10.64323	2.024650	36.74893	11.93331	1.507496	1.535757
#1	.0623568	.0199478	.6999413	-.015436	.0200866	90.01809	1.038351
#2	.0568588	.0188340	.6936585	-.009199	.0196992	92.53710	1.067592
#3	.0566979	.0230670	.6732603	-.007988	.0242951	92.25836	1.065191

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0072673	.0079411	618.8985	.1442254	.1169305	.2123101	194.3774
Stddev	.0000804	.0002503	9.9361	.0020250	.0029712	.0066574	3.2886
%RSD	1.106151	3.151733	1.605455	1.404052	2.541010	3.135712	1.691842
#1	.0071769	.0081847	607.5680	.1462988	.1189013	.2188246	190.5957
#2	.0072939	.0079539	626.1261	.1441250	.1183772	.2125872	196.5661
#3	.0073310	.0076846	623.0015	.1422525	.1135130	.2055184	195.9705

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.711761	251.0174	.2468273	-.011871	.6149839	.1816094	1.454822
Stddev	.106557	4.0497	.0067604	.001001	.3144769	.0088281	.014400
%RSD	1.865567	1.613331	2.738906	8.434269	51.13580	4.861014	.9897829
#1	5.588838	246.3574	.2521176	-.012716	.8437731	.1822737	1.462486
#2	5.777878	253.6847	.2491534	-.010765	.2563817	.1724680	1.438211
#3	5.768568	253.0102	.2392111	-.012132	.7447969	.1900866	1.463768

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.90694	7.425131	-.022621	.0035696	9.646201	13.49524	.0397831
Stddev	.25268	.187906	.002582	.0003819	.243327	.15237	.0008701
%RSD	1.695022	2.530670	11.41473	10.69939	2.522521	1.129071	2.187006
#1	14.62955	7.575158	-.024416	.0032903	9.839897	13.32127	.0407428
#2	15.12397	7.485864	-.019662	.0040048	9.725618	13.60497	.0390459
#3	14.96729	7.214370	-.023787	.0034137	9.373087	13.55947	.0395605

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-19 Acquired: 12/14/2024 15:14:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9530701	.5824641	.1371887
Stddev	.0172313	.0106969	.0030553
%RSD	1.807981	1.836494	2.227049
#1	.9343594	.5701125	.1375434
#2	.9682865	.5885802	.1400512
#3	.9565645	.5886995	.1339716

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2019.229	24387.13	2350.606	1681.671	2317.215
Stddev	45.815	240.33	23.392	12.576	58.698
%RSD	2.268937	.9854820	.9951353	.7477999	2.533122
#1	1984.578	24125.08	2375.053	1667.740	2270.099
#2	2001.935	24439.04	2328.436	1685.089	2298.577
#3	2071.174	24597.26	2348.328	1692.185	2382.969

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-20 Acquired: 12/14/2024 15:18:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF7D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0571902	.0194879	.6844833	-.011103	.0262936	90.11183	1.039132
Stddev	.0073490	.0024303	.0106343	.005121	.0039247	5.57252	.063364
%RSD	12.85014	12.47078	1.553631	46.11961	14.92652	6.184003	6.097802
#1	.0645320	.0166879	.6967268	-.005937	.0308244	96.29027	1.110005
#2	.0572045	.0210497	.6791756	-.011196	.0239433	88.57923	1.019435
#3	.0498340	.0207261	.6775476	-.016177	.0241130	85.46598	.987955

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0072413	.0076099	611.0607	.1381475	.1161777	.2013903	191.5674
Stddev	.0004660	.0000763	38.2950	.0037036	.0028268	.0074135	11.7490
%RSD	6.434641	1.003155	6.266978	2.680876	2.433203	3.681186	6.133084
#1	.0077628	.0075217	653.7980	.1407882	.1194412	.2098644	204.7146
#2	.0070951	.0076544	599.5234	.1397403	.1144891	.1961031	187.8923
#3	.0068659	.0076535	579.8608	.1339140	.1146028	.1982034	182.0952

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.621558	247.9867	.2448287	-.011152	.6565595	.1764346	1.396122
Stddev	.339999	14.7881	.0028955	.000972	.4088371	.0078125	.028550
%RSD	6.048130	5.963265	1.182653	8.712327	62.26963	4.428006	2.044928
#1	6.000992	264.1547	.2478444	-.010455	.6141912	.1844760	1.421311
#2	5.519148	244.6605	.2445709	-.010739	.2705564	.1688730	1.401946
#3	5.344536	235.1450	.2420707	-.012262	1.084931	.1759550	1.365110

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.71027	7.342925	-.013555	.0029567	9.590038	13.27335	.0354363
Stddev	.92776	.102913	.007589	.0006715	.126233	.67911	.0018965
%RSD	6.306914	1.401527	55.98439	22.71068	1.316292	5.116305	5.351832
#1	15.74784	7.454218	-.007023	.0027837	9.730884	14.02080	.0365134
#2	14.42243	7.323353	-.011764	.0036977	9.552117	13.10500	.0332465
#3	13.96055	7.251203	-.021880	.0023886	9.487112	12.69426	.0365490

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-20 Acquired: 12/14/2024 15:18:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF7D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9375013	.5730142	.1321969
Stddev	.0521183	.0352410	.0085186
%RSD	5.559279	6.150107	6.443889
#1	.9957873	.6122798	.1404007
#2	.9213341	.5626329	.1327950
#3	.8953825	.5441301	.1233950

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2057.706	25401.54	2391.397	1754.695	2357.438
Stddev	19.013	482.55	112.084	31.353	29.180
%RSD	.9240027	1.899680	4.686985	1.786800	1.237784
#1	2036.853	24983.26	2267.302	1732.260	2324.852
#2	2062.183	25291.88	2421.611	1741.305	2366.311
#3	2074.080	25929.48	2485.277	1790.520	2381.152

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-19LX5 Acquired: 12/14/2024 15:22:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF7L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049137	.0156289	.1489302	-.020957	-.003002	19.21002	.2213268
Stddev	.0035968	.0012818	.0016728	.005819	.001339	.37159	.0048637
%RSD	73.19922	8.201411	1.123190	27.76830	44.60296	1.934347	2.197512
#1	.0047613	.0157859	.1470514	-.020939	-.003024	19.55071	.2254921
#2	.0013955	.0142758	.1494812	-.015146	-.004329	19.26557	.2225064
#3	.0085842	.0168249	.1502579	-.026785	-.001652	18.81378	.2159818

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015172	.0013094	131.6066	.0314865	.0426050	.0294797	42.16229
Stddev	.0000825	.0000959	2.6304	.0007131	.0002108	.0046942	.86441
%RSD	5.438621	7.321612	1.998709	2.264784	.4947409	15.92364	2.050192
#1	.0014230	.0014201	134.0212	.0309501	.0423862	.0348637	42.90892
#2	.0015765	.0012532	131.9951	.0312138	.0428067	.0262448	42.36264
#3	.0015522	.0012549	128.8035	.0322957	.0426222	.0273304	41.21530

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.232590	54.05747	.0465949	-.001981	-.110123	.0423217	.2987714
Stddev	.027902	.95398	.0012494	.000192	.045975	.0069033	.0077136
%RSD	2.263677	1.764753	2.681310	9.674084	41.74887	16.31158	2.581786
#1	1.255987	54.95359	.0476908	-.001766	-.109006	.0477642	.2996505
#2	1.240072	54.16423	.0468595	-.002045	-.064716	.0446442	.3060079
#3	1.201709	53.05461	.0452345	-.002133	-.156646	.0345566	.2906559

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.127801	1.440264	-.018206	-.001735	1.866844	2.954829	.0055839
Stddev	.177521	.001672	.002099	.000056	.007754	.051775	.0007478
%RSD	5.675578	.1161219	11.52931	3.208543	.4153421	1.752221	13.39119
#1	3.325036	1.438522	-.020629	-.001673	1.862651	3.004678	.0054280
#2	2.980837	1.440414	-.017048	-.001780	1.862090	2.958487	.0063974
#3	3.077530	1.441857	-.016941	-.001752	1.875792	2.901322	.0049265

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-19LX5 Acquired: 12/14/2024 15:22:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF7L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2002136	.1215247	.0109397
Stddev	.0025718	.0018406	.0014244
%RSD	1.284511	1.514592	13.02055
#1	.2031763	.1231967	.0114735
#2	.1985563	.1218249	.0093255
#3	.1989083	.1195524	.0120200

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1996.831	24741.73	2309.547	1717.677	2606.962
Stddev	2.004	207.44	35.251	19.635	3.131
%RSD	.1003806	.8384391	1.526324	1.143097	.1200951
#1	1999.142	24632.29	2280.507	1711.681	2610.452
#2	1995.574	24980.97	2299.365	1739.610	2604.400
#3	1995.776	24611.91	2348.768	1701.739	2606.034

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-21 Acquired: 12/14/2024 15:26:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF7S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1434400	.1180985	.7105426	.1415590	.1746519	90.63027	4.841768
Stddev	.0056171	.0034534	.0072892	.0053398	.0033520	.40120	.021373
%RSD	3.916013	2.924212	1.025865	3.772158	1.919238	.4426736	.4414231
#1	.1459514	.1220173	.7189594	.1454364	.1768439	90.19302	4.817263
#2	.1370053	.1154998	.7063269	.1354685	.1763186	90.71635	4.851486
#3	.1473632	.1167784	.7063414	.1437722	.1707933	90.98143	4.856554

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0932728	.1027433	588.4559	.5119977	1.039130	.6389203	186.3240
Stddev	.0009862	.0011954	1.5092	.0026666	.012763	.0015440	.8213
%RSD	1.057271	1.163451	.2564614	.5208263	1.228210	.2416613	.4407714
#1	.0923549	.1040839	587.0797	.5091881	1.053855	.6407022	185.3793
#2	.0943154	.1023578	588.2181	.5123113	1.031252	.6380817	186.8675
#3	.0931482	.1017883	590.0698	.5144936	1.032283	.6379771	186.7253

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.333099	236.9985	1.194662	.0644520	.6885275	1.120384	2.207543
Stddev	.034011	1.3800	.014819	.0008542	.3735951	.016645	.031584
%RSD	.5370365	.5822977	1.240465	1.325262	54.26001	1.485683	1.430748
#1	6.293927	235.7514	1.211694	.0639089	.5616128	1.104928	2.192715
#2	6.355120	236.7631	1.187573	.0640106	.3949235	1.118218	2.186101
#3	6.350250	238.4811	1.184718	.0654366	1.109046	1.138006	2.243813

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.24660	7.236502	-.023668	.0034269	9.438585	12.98414	.0361335
Stddev	.23580	.076992	.003010	.0007436	.096009	.11788	.0014939
%RSD	1.655161	1.063941	12.71667	21.69730	1.017195	.9078745	4.134293
#1	13.98160	7.325196	-.026079	.0028561	9.548522	12.85311	.0376666
#2	14.32494	7.186879	-.020295	.0031569	9.371245	13.08156	.0360515
#3	14.43327	7.197431	-.024630	.0042677	9.395988	13.01776	.0346822

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-21 Acquired: 12/14/2024 15:26:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF7S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9078133	.5487807	.1315988
Stddev	.0095928	.0032842	.0037127
%RSD	1.056696	.5984635	2.821237
#1	.8969693	.5450491	.1355722
#2	.9112787	.5500610	.1282180
#3	.9151918	.5512320	.1310062

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2060.908	25289.02	2465.505	1745.930	2377.904
Stddev	27.776	294.10	22.403	20.535	31.273
%RSD	1.347778	1.162961	.9086766	1.176171	1.315142
#1	2028.934	25499.31	2490.051	1764.741	2342.416
#2	2074.712	25414.81	2446.157	1749.028	2389.863
#3	2079.078	24952.95	2460.308	1724.023	2401.432

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-12 Acquired: 12/14/2024 15:29:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: BHJ88 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0873356	.0125262	.9336003	-.007671	.0368270	134.2900	1.944046
Stddev	.0056951	.0011527	.0076814	.001624	.0004547	1.1646	.021003
%RSD	6.520915	9.202288	.8227718	21.17435	1.234792	.8671940	1.080360
#1	.0938811	.0137401	.9405058	-.009479	.0373148	134.9059	1.954895
#2	.0835145	.0114464	.9349684	-.007196	.0367516	135.0173	1.957405
#3	.0846112	.0123921	.9253268	-.006337	.0364147	132.9468	1.919837

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0106484	.0121876	736.0253	.1887004	.1574424	.3887261	272.5703
Stddev	.0000908	.0001717	6.3643	.0047947	.0016225	.0016932	2.1333
%RSD	.8524311	1.408815	.8646863	2.540928	1.030522	.4355784	.7826506
#1	.0107532	.0123857	738.6411	.1900149	.1593125	.3867714	273.2297
#2	.0105978	.0120955	740.6649	.1927009	.1566047	.3897385	274.2961
#3	.0105943	.0120817	728.7699	.1833856	.1564099	.3896685	270.1852

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.568442	267.2457	.3406983	-.015535	.8333489	.2589452	1.615729
Stddev	.075618	2.0328	.0045960	.000640	.4189548	.0029486	.018954
%RSD	.9991251	.7606468	1.348994	4.118575	50.27364	1.138701	1.173079
#1	7.602247	267.7284	.3453572	-.015786	.3567497	.2622467	1.610904
#2	7.621260	268.9936	.3405698	-.016012	1.143503	.2580154	1.636629
#3	7.481818	265.0150	.3361679	-.014808	.999794	.2565736	1.599654

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.242664	5.944804	-.087255	.0064352	5.829580	12.74616	.0510021
Stddev	.052149	.058729	.005080	.0005193	.058927	.18797	.0020523
%RSD	.6326718	.9879114	5.822184	8.069383	1.010821	1.474722	4.023960
#1	8.298172	5.982720	-.088766	.0070124	5.869444	12.84773	.0533718
#2	8.235126	5.974539	-.091409	.0060061	5.857404	12.86149	.0497969
#3	8.194695	5.877154	-.081591	.0062870	5.761894	12.52926	.0498377

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-12 Acquired: 12/14/2024 15:29:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: BHJ88 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9140055	.8973218	.1906216
Stddev	.0120138	.0081787	.0029518
%RSD	1.314412	.9114577	1.548538
#1	.9104494	.9016239	.1931982
#2	.9273960	.9024515	.1912658
#3	.9041712	.8878899	.1874009

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2094.226	26065.39	2504.266	1802.147	2278.561
Stddev	14.572	433.05	30.501	28.564	20.899
%RSD	.6958036	1.661418	1.217952	1.584998	.9171982
#1	2080.449	26055.97	2491.399	1800.389	2258.933
#2	2092.749	25637.12	2482.307	1774.502	2276.218
#3	2109.480	26503.07	2539.092	1831.549	2300.533

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-13 Acquired: 12/14/2024 15:33:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: BHJ88D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0891616	.0191234	.9215806	.0046868	.0434193	141.4508	2.051193
Stddev	.0069668	.0029240	.0015416	.0086711	.0034998	10.8172	.152170
%RSD	7.813678	15.29031	.1672792	185.0094	8.060433	7.647353	7.418627
#1	.0811177	.0222138	.9218107	.0002523	.0402000	130.2121	1.895332
#2	.0930982	.0187559	.9229942	.0146784	.0471444	151.7905	2.199383
#3	.0932690	.0164005	.9199369	-.000870	.0429134	142.3498	2.058864

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0111209	.0117631	772.6227	.1869309	.1560090	.4026743	287.0589
Stddev	.0005426	.0004171	58.6188	.0024247	.0008183	.0388848	21.4903
%RSD	4.879496	3.545515	7.586984	1.297136	.5245004	9.656636	7.486357
#1	.0105511	.0121739	711.8354	.1895524	.1568845	.3596093	265.0134
#2	.0116315	.0113401	828.8008	.1847684	.1552636	.4352105	307.9472
#3	.0111801	.0117753	777.2318	.1864720	.1558789	.4132031	288.2160

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.965496	280.8265	.3353458	-.014390	1.077200	.2775520	1.605620
Stddev	.596864	21.3507	.0021764	.002406	.513704	.0149552	.017363
%RSD	7.493116	7.602825	.6489979	16.71654	47.68888	5.388232	1.081385
#1	7.362896	259.0102	.3374150	-.016786	.484065	.2604357	1.625292
#2	8.556453	301.6791	.3330761	-.011975	1.367801	.2841277	1.592434
#3	7.977138	281.7902	.3355463	-.014411	1.379733	.2880926	1.599134

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.883206	5.854073	-.091678	.0056407	5.713770	13.82032	.0529785
Stddev	.866652	.030360	.002083	.0005981	.004317	.85532	.0031285
%RSD	9.756070	.5186099	2.272145	10.60342	.0755484	6.188845	5.905258
#1	8.019331	5.882952	-.090521	.0056625	5.716919	12.93968	.0495691
#2	9.752608	5.822422	-.094083	.0062277	5.708850	14.64784	.0557175
#3	8.877680	5.856845	-.090431	.0050320	5.715541	13.87345	.0536490

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-13 Acquired: 12/14/2024 15:33:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: BHJ88D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9867168	.9465714	.1995530
Stddev	.0781943	.0702662	.0220980
%RSD	7.924699	7.423230	11.07377
#1	.9033159	.8737837	.1768635
#2	1.058377	1.014010	.2210078
#3	.998457	.951920	.2007877

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2115.133	26081.03	2400.017	1802.618	2309.223
Stddev	8.929	216.75	152.174	12.600	14.505
%RSD	.4221519	.8310788	6.340519	.6989845	.6281510
#1	2105.484	25831.00	2556.353	1788.092	2292.607
#2	2116.810	26196.27	2252.378	1810.604	2319.361
#3	2123.105	26215.82	2391.321	1809.157	2315.700

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-12LX5 Acquired: 12/14/2024 15:37:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: BHJ88L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0175437	.0179464	.1959681	-.022972	-.002864	29.01356	.4211264
Stddev	.0024331	.0013083	.0085947	.003193	.002225	.31376	.0045789
%RSD	13.86883	7.290001	4.385751	13.90001	77.68488	1.081434	1.087295
#1	.0147430	.0164366	.1860838	-.023823	-.000560	28.67021	.4164410
#2	.0191369	.0187442	.2016810	-.019440	-.003031	29.28539	.4255908
#3	.0187511	.0186586	.2001395	-.025654	-.005000	29.08507	.4213474

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023590	.0019635	159.8730	.0425056	.0501851	.0728828	61.01544
Stddev	.0000473	.0002107	1.6652	.0006728	.0019423	.0079246	.66130
%RSD	2.004011	10.72844	1.041565	1.582803	3.870329	10.87309	1.083818
#1	.0024100	.0018552	158.1709	.0419926	.0479595	.0746802	60.31096
#2	.0023167	.0022062	161.4987	.0422569	.0515386	.0797543	61.62281
#3	.0023504	.0018290	159.9492	.0432674	.0510571	.0642138	61.11257

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.691542	59.11646	.0631757	-.001824	-.294302	.0569440	.3386072
Stddev	.017719	.72387	.0023299	.001296	.154819	.0056942	.0114400
%RSD	1.047494	1.224482	3.687968	71.05850	52.60552	9.999743	3.378538
#1	1.671524	58.65865	.0604870	-.002437	-.449637	.0537270	.3383432
#2	1.705216	59.95101	.0644382	-.002699	-.293267	.0535862	.3273014
#3	1.697885	58.73974	.0646018	-.000335	-.140003	.0635186	.3501768

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.647479	1.102519	-.034405	-.001943	1.069674	3.171689	.0094499
Stddev	.134609	.036562	.002106	.000467	.033000	.035624	.0004872
%RSD	8.170596	3.316268	6.120687	24.05262	3.085058	1.123195	5.155158
#1	1.544956	1.061038	-.032312	-.001747	1.031995	3.148449	.0093371
#2	1.597567	1.130066	-.036524	-.001605	1.093432	3.212703	.0099835
#3	1.799916	1.116452	-.034379	-.002476	1.083597	3.153916	.0090290

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-12LX5 Acquired: 12/14/2024 15:37:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: BHJ88L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2101286	.1925606	.0223168
Stddev	.0015093	.0021454	.0031290
%RSD	.7182802	1.114121	14.02062
#1	.2093908	.1903104	.0251374
#2	.2091301	.1945829	.0228619
#3	.2118649	.1927884	.0189511

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2054.777	25746.00	2371.373	1792.277	2659.089
Stddev	44.726	249.34	20.665	13.528	67.307
%RSD	2.176687	.9684443	.8714301	.7547960	2.531202
#1	2106.044	25574.73	2385.329	1787.021	2735.733
#2	2023.743	25631.21	2347.633	1782.166	2609.610
#3	2034.544	26032.05	2381.157	1807.644	2631.925

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-14 Acquired: 12/14/2024 15:41:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: BHJ88S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1651041	.1160708	.9598963	.1377588	.1820766	135.1435	5.525981
Stddev	.0017755	.0053865	.0076028	.0033242	.0015856	.1607	.017629
%RSD	1.075362	4.640707	.7920386	2.413063	.8708191	.1188882	.3190204
#1	.1666080	.1216016	.9596672	.1347033	.1824107	135.2708	5.542696
#2	.1655587	.1157695	.9524107	.1372746	.1803506	134.9629	5.507562
#3	.1631455	.1108412	.9676111	.1412986	.1834685	135.1967	5.527685

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0909025	.1052168	718.2280	.5279893	1.054796	.7753265	269.4069
Stddev	.0004267	.0001120	1.0102	.0008023	.001936	.0050906	.6301
%RSD	.4693805	.1064447	.1406580	.1519463	.1834978	.6565717	.2338979
#1	.0905759	.1051680	719.2686	.5271102	1.056862	.7808332	270.0253
#2	.0913853	.1053449	717.2511	.5281759	1.053024	.7743538	268.7657
#3	.0907464	.1051375	718.1643	.5286818	1.054500	.7707924	269.4298

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.303619	261.5235	1.270260	.0532100	.5567552	1.134797	2.375366
Stddev	.011316	.8229	.003783	.0010999	.5004553	.009283	.010103
%RSD	.1362753	.3146511	.2977777	2.067010	89.88786	.8180635	.4253120
#1	8.316315	262.1168	1.274073	.0542782	.1352754	1.126465	2.368856
#2	8.299947	261.8697	1.266509	.0532709	.4251187	1.144804	2.370238
#3	8.294596	260.5841	1.270198	.0520810	1.109872	1.133121	2.387004

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.269062	5.846509	-.091213	.0056322	5.719585	13.17038	.0496722
Stddev	.196167	.007856	.004756	.0010032	.018328	.07114	.0016647
%RSD	2.372302	.1343757	5.214323	17.81158	.3204457	.5401315	3.351363
#1	8.356406	5.844264	-.087506	.0045565	5.731999	13.10351	.0480445
#2	8.044393	5.840019	-.096576	.0065423	5.698534	13.24513	.0496005
#3	8.406387	5.855243	-.089558	.0057977	5.728222	13.16250	.0513716

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-14 Acquired: 12/14/2024 15:41:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: BHJ88S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9293415	.8814361	.1869233
Stddev	.0055770	.0029411	.0044934
%RSD	.6001059	.3336734	2.403850
#1	.9229229	.8848009	.1817543
#2	.9320990	.8801518	.1898971
#3	.9330027	.8793555	.1891185

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2097.506	25999.58	2525.532	1796.630	2296.486
Stddev	3.281	74.33	10.290	6.596	.443
%RSD	.1564195	.2858767	.4074544	.3671181	.0192805
#1	2096.988	26049.93	2525.940	1799.038	2296.060
#2	2094.515	26034.59	2515.043	1801.684	2296.944
#3	2101.015	25914.21	2535.612	1789.169	2296.454

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-20 Acquired: 12/14/2024 15:45:07 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0336547	.0179473	.1900465	-.005922	.0168615	70.00317	.4297309
Stddev	.0051458	.0063860	.0032608	.001943	.0043468	.56015	.0031231
%RSD	15.28992	35.58176	1.715765	32.80745	25.77940	.8001822	.7267495
#1	.0310926	.0201173	.1937881	-.004998	.0215908	70.50978	.4325852
#2	.0302929	.0229654	.1885409	-.004614	.0159530	69.40161	.4263951
#3	.0395785	.0107591	.1878107	-.008155	.0130408	70.09813	.4302125

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048607	.0034796	303.1865	.0980681	.1147701	.0869266	154.8250
Stddev	.0001051	.0000859	1.7552	.0016594	.0004813	.0035703	.8528
%RSD	2.161107	2.468975	.5789329	1.692097	.4193193	4.107240	.5508128
#1	.0048231	.0034305	305.0319	.0997829	.1147421	.0852455	155.5873
#2	.0047797	.0035788	301.5379	.0979510	.1152648	.0845073	153.9040
#3	.0049794	.0034295	302.9898	.0964702	.1143035	.0910272	154.9837

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.021274	113.6226	.1785524	-.006848	1.414397	.1609524	.3711774
Stddev	.050728	.8865	.0008028	.000365	.066289	.0055984	.0028321
%RSD	.7224946	.7802261	.4496128	5.326557	4.686697	3.478267	.7629936
#1	7.068659	114.6001	.1790076	-.006968	1.423348	.1650418	.3681470
#2	6.967759	112.8705	.1790241	-.007137	1.475756	.1545719	.3737570
#3	7.027403	113.3972	.1776254	-.006438	1.344088	.1632434	.3716283

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.210663	7.645563	-.064520	-.002068	2.259940	8.682429	.0213814
Stddev	.154933	.038227	.004689	.000373	.016876	.039415	.0008506
%RSD	2.494621	.4999896	7.268250	18.02495	.7467671	.4539671	3.978060
#1	6.322302	7.659375	-.061906	-.002481	2.259365	8.707687	.0204057
#2	6.033779	7.674965	-.061720	-.001966	2.277097	8.637011	.0219665
#3	6.275909	7.602350	-.069934	-.001757	2.243359	8.702589	.0217720

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-20 Acquired: 12/14/2024 15:45:07 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.345919	.2199846	.1146195
Stddev	.009143	.0018851	.0017230
%RSD	.6793174	.8569344	1.503230
#1	1.346881	.2217632	.1160267
#2	1.336333	.2180085	.1151338
#3	1.354543	.2201820	.1126979

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2279.289	28098.84	2645.144	1944.824	2492.049
Stddev	14.226	234.42	15.654	13.273	17.287
%RSD	.6241569	.8342618	.5917981	.6824660	.6937063
#1	2272.504	27843.08	2633.702	1929.624	2491.703
#2	2269.726	28149.99	2662.984	1950.730	2474.937
#3	2295.638	28303.47	2638.747	1954.119	2509.507

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-21 Acquired: 12/14/2024 15:48:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF4D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0349148	.0196634	.1914007	-.008836	.0162503	69.62770	.4255962
Stddev	.0017104	.0016776	.0043675	.003296	.0026512	1.87726	.0111737
%RSD	4.898634	8.531652	2.281872	37.30755	16.31453	2.696146	2.625420
#1	.0365103	.0178445	.1963066	-.010999	.0136160	67.47346	.4129824
#2	.0331090	.0199959	.1899598	-.010467	.0162168	70.91348	.4342528
#3	.0351250	.0211499	.1879356	-.005042	.0189180	70.49617	.4295532

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048080	.0033667	301.1480	.1002213	.1163121	.0766910	153.9453
Stddev	.0001539	.0001421	8.1511	.0009332	.0007903	.0061175	4.2319
%RSD	3.201519	4.220449	2.706686	.9311411	.6794893	7.976793	2.748937
#1	.0046580	.0035158	291.7684	.0997035	.1171391	.0700757	149.1048
#2	.0049656	.0032328	306.5140	.1012986	.1155644	.0821439	156.9449
#3	.0048005	.0033516	305.1618	.0996617	.1162327	.0778534	155.7862

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.985884	112.4722	.1817092	-.007074	1.762505	.1585471	.3916936
Stddev	.194081	3.0051	.0013748	.000318	.599399	.0076384	.0062383
%RSD	2.778186	2.671900	.7566114	4.495544	34.00835	4.817775	1.592657
#1	6.765366	109.0871	.1822694	-.006754	1.179123	.1579538	.3948960
#2	7.130728	114.8258	.1801427	-.007390	2.376730	.1512226	.3845045
#3	7.061558	113.5036	.1827155	-.007078	1.731662	.1664649	.3956805

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.242042	7.724063	-.064719	-.001975	2.278667	8.601766	.0224021
Stddev	.282286	.017866	.001047	.000782	.009988	.198959	.0002943
%RSD	4.522341	.2313072	1.617515	39.61727	.4383220	2.313000	1.313791
#1	5.927099	7.741807	-.065033	-.002043	2.287483	8.386805	.0221270
#2	6.326756	7.724306	-.065573	-.002721	2.280697	8.779450	.0227124
#3	6.472272	7.706077	-.063551	-.001160	2.267819	8.639041	.0223668

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-21 Acquired: 12/14/2024 15:48:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF4D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.337534	.2187074	.1130715
Stddev	.035327	.0058849	.0034034
%RSD	2.641197	2.690752	3.009946
#1	1.298314	.2119848	.1095341
#2	1.366856	.2229272	.1163228
#3	1.347431	.2212102	.1133575

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2265.551	27692.48	2665.532	1915.134	2471.806
Stddev	7.374	249.25	51.965	13.473	8.173
%RSD	.3254866	.9000776	1.949512	.7035148	.3306323
#1	2260.591	27942.90	2718.172	1928.369	2464.693
#2	2262.037	27444.41	2614.270	1901.434	2469.992
#3	2274.025	27690.12	2664.154	1915.601	2480.733

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCV017 Acquired: 12/14/2024 15:52:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV017 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.936772**	**5.149104**	**24.00523**	**4.618124**	**4.649463**	**413.0747**	**10.47344**
Stddev	.024126	.052923	.21918	.045269	.046368	1.7570	.05820
%RSD	.4887009	1.027817	.9130708	.9802466	.9972864	.4253486	.5556704
#1	4.920550	5.133890	23.94622	4.606049	4.635828	414.5652	10.51838
#2	4.964497	5.207968	24.24788	4.668206	4.701120	413.5215	10.49424
#3	4.925269	5.105455	23.82159	4.580117	4.611441	411.1375	10.40770

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4698240**	**2.385728**	**406.1871**	**15.32039**	**2.290242**	**15.22867**	**411.1865**
Stddev	.0021407	.021135	1.7919	.71831	.023041	.03254	1.5638
%RSD	.4556304	.8859035	.4411618	4.688621	1.006060	.2136487	.3803022
#1	.4722792	2.380514	407.5334	15.35247	2.286341	15.26160	411.8770
#2	.4683486	2.408982	406.8746	14.58657	2.314985	15.22788	412.2862
#3	.4688442	2.367688	404.1532	16.02212	2.269400	15.19654	409.3964

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.04816**	**383.6889**	**2.382479**	**1.293099**	**396.0623**	**2.491944**	**14.62266**
Stddev	.06887	1.4771	.022438	.052767	3.4200	.027918	.62902
%RSD	.4576428	.3849806	.9417871	4.080654	.8634998	1.120321	4.301664
#1	15.08960	384.5260	2.379800	1.293204	399.3690	2.520964	14.60253
#2	15.08623	384.5573	2.406137	1.240279	396.2786	2.489589	14.00394
#3	14.96867	381.9833	2.361502	1.345813	392.5393	2.465277	15.26149

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**152.5131**	**4.830177**	**4.554006**	**4.840821**	**4.749393**	**4.852283**	**4.930013**
Stddev	.6557	.052362	.021809	.041647	.043674	.030203	.048707
%RSD	.4299226	1.084050	.4789052	.8603383	.9195778	.6224401	.9879616
#1	153.1619	4.826725	4.575821	4.828332	4.732172	4.885797	4.916857
#2	152.5265	4.884179	4.553995	4.887284	4.799053	4.843882	4.983946
#3	151.8507	4.779627	4.532202	4.806847	4.716955	4.827171	4.889235

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCV017 Acquired: 12/14/2024 15:52:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV017 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.072650	4.655764	5.216962
Stddev	.027992	.022875	.033259
%RSD	.5518170	.4913234	.6375198
#1	5.085309	4.668391	5.239494
#2	5.092076	4.669543	5.232630
#3	5.040565	4.629359	5.178763

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1646.579	21650.19	2193.464	1424.504	2264.882
Stddev	9.792	948.57	7.392	64.014	14.859
%RSD	.5947122	4.381362	.3369976	4.493801	.6560444
#1	1648.451	21636.07	2187.236	1423.672	2267.155
#2	1635.986	22605.74	2191.523	1488.929	2249.018
#3	1655.301	20708.75	2201.633	1360.909	2278.473

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCB017 Acquired: 12/14/2024 15:57:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB017 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001336**	**-.002204**	**.0032122**	**.0020210**	**.0019854**	**.0177339**	**-.002109**
Stddev	.002945	.002455	.0022633	.0014022	.0015411	.0172787	.000486
%RSD	220.4875	111.3801	70.45975	69.38128	77.62066	97.43317	23.04427
#1	-.001945	-.000095	.0006189	.0021326	.0020507	.0088676	-.002469
#2	.001866	-.004899	.0042283	.0033641	.0034928	.0066883	-.001556
#3	-.003928	-.001619	.0047895	.0005664	.0004127	.0376460	-.002301

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000120**	**-.000174**	**-.033387**	**.0000631**	**-.000694**	**-.002915**	**-.013663**
Stddev	.000135	.000077	.014992	.0004159	.000160	.006353	.029630
%RSD	111.9791	44.41879	44.90289	659.6032	23.08449	217.9219	216.8604
#1	-.000141	-.000184	-.036488	-.000245	-.000666	-.000971	-.047300
#2	.000024	-.000092	-.046585	-.000102	-.000867	-.010013	-.002260
#3	-.000243	-.000246	-.017087	.000536	-.000550	.002238	.008571

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000985**	**.0147873**	**-.000686**	**.0021009**	**.1398567**	**.0004319**	**-.002386**
Stddev	.000835	.0742493	.000296	.0007375	.3134969	.0062464	.011029
%RSD	84.71396	502.1141	43.19321	35.10192	224.1558	1446.128	462.2336
#1	-.000546	.0760398	-.001004	.0027506	.2458845	-.000803	.008790
#2	-.000462	-.067791	-.000634	.0012993	.3865908	-.005105	-.002687
#3	-.001948	.036114	-.000419	.0022527	-.212905	.007204	-.013261

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5892060**	**-.000504**	**-.006992**	**.0009268**	**-.009952**	**-.037642**	**-.002026**
Stddev	.0386339	.000575	.002852	.0005956	.003694	.001174	.000715
%RSD	6.556938	114.0030	40.78579	64.27200	37.12071	3.118984	35.26937
#1	.5528525	-.000954	-.003856	.0007139	-.005933	-.036944	-.002717
#2	.5849910	.000144	-.007692	.0015996	-.010725	-.038997	-.002073
#3	.6297746	-.000703	-.009429	.0004668	-.013200	-.036985	-.001290

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCB017 Acquired: 12/14/2024 15:57:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB017 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.002203	.0000246	-.014817
Stddev	.001751	.0001881	.001290
%RSD	79.49937	763.3823	8.704828
#1	-.001998	.0001487	-.016251
#2	-.004047	.0001170	-.013751
#3	-.000563	-.000192	-.014449

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1962.956	24061.12	2157.245	1681.998	2764.052
Stddev	24.411	92.73	50.630	1.767	43.136
%RSD	1.243576	.3853830	2.346953	.1050709	1.560620
#1	1959.641	24150.58	2155.693	1680.636	2754.853
#2	1940.373	24067.35	2208.633	1683.995	2726.257
#3	1988.855	23965.44	2107.409	1681.364	2811.045

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-20LX5 Acquired: 12/14/2024 16:01:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF4L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001062**	**.0103526**	**.0463997**	**-.008813**	**-.003190**	**17.59276**	**.1052733**
Stddev	.001011	.0015424	.0039523	.003109	.002197	.16554	.0020804
%RSD	95.16427	14.89818	8.517895	35.28020	68.87053	.9409532	1.976196
#1	-.002019	.0116218	.0486159	-.011814	-.001058	17.54920	.1064053
#2	-.000005	.0086360	.0487465	-.005606	-.003066	17.77573	.1065423
#3	-.001164	.0108001	.0418366	-.009020	-.005447	17.45336	.1028724

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012745**	**.0003335**	**74.84096**	**.0241778**	**.0373262**	**.0190198**	**39.00182**
Stddev	.0000701	.0000819	.56098	.0011167	.0002124	.0070103	.35228
%RSD	5.501837	24.54248	.7495599	4.618583	.5691514	36.85788	.9032360
#1	.0013495	.0003694	75.01712	.0247144	.0375210	.0192753	38.80862
#2	.0012107	.0002399	75.29272	.0249249	.0370997	.0118853	39.40842
#3	.0012632	.0003914	74.21304	.0228941	.0373579	.0258989	38.78840

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.769006**	**28.51452**	**.0342477**	**.0011825**	**.6440236**	**.0474672**	**.0996261**
Stddev	.011941	.28003	.0012119	.0008366	.3852881	.0043675	.0102319
%RSD	.6750219	.9820606	3.538675	70.75266	59.82516	9.201023	10.27035
#1	1.772961	28.50124	.0354384	.0002427	.2131626	.0424285	.1077313
#2	1.778468	28.80095	.0342891	.0014586	.9554543	.0501702	.1030180
#3	1.755589	28.24136	.0330156	.0018461	.7634539	.0498029	.0881289

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.914352**	**1.476047**	**-.025825**	**-.002004**	**.4363154**	**2.488641**	**.0050942**
Stddev	.016577	.041239	.000927	.000219	.0140524	.012973	.0008796
%RSD	.8659563	2.793878	3.590978	10.93987	3.220694	.5212897	17.26699
#1	1.933493	1.515212	-.024764	-.001878	.4515597	2.493008	.0060862
#2	1.904593	1.479923	-.026230	-.001877	.4335078	2.498868	.0044092
#3	1.904970	1.433008	-.026481	-.002258	.4238788	2.474048	.0047872

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-20LX5 Acquired: 12/14/2024 16:01:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF4L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3500179	.0536850	.0177868
Stddev	.0058319	.0003331	.0027482
%RSD	1.666177	.6205041	15.45068
#1	.3545370	.0535600	.0152551
#2	.3520820	.0540626	.0173958
#3	.3434346	.0534325	.0207096

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2067.524	25543.21	2316.422	1774.666	2720.977
Stddev	13.746	230.72	15.442	16.610	10.163
%RSD	.6648506	.9032386	.6666233	.9359305	.3735185
#1	2072.205	25373.26	2334.139	1759.523	2721.273
#2	2078.318	25450.50	2305.821	1772.044	2730.989
#3	2052.049	25805.86	2309.305	1792.431	2710.669

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-22 Acquired: 12/14/2024 16:05:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF4S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1112582	.1122532	.2205244	.1259421	.1473096	73.96233	3.950397
Stddev	.0019689	.0021205	.0049648	.0053477	.0018004	1.32463	.067796
%RSD	1.769680	1.889036	2.251358	4.246168	1.222155	1.790954	1.716182
#1	.1089867	.1134872	.2148605	.1201069	.1467159	74.65967	3.984015
#2	.1123117	.1134678	.2225886	.1306092	.1493318	74.79262	3.994814
#3	.1124763	.1098047	.2241241	.1271101	.1458811	72.43471	3.872362

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0816915	.0899654	301.3332	.4182353	.9438705	.4822860	156.3132
Stddev	.0015641	.0012919	5.7655	.0051396	.0112382	.0093904	2.6046
%RSD	1.914643	1.436038	1.913342	1.228890	1.190648	1.947069	1.666301
#1	.0829929	.0889584	304.6351	.4156697	.9346448	.4861101	157.8490
#2	.0821252	.0914221	304.6887	.4241527	.9563866	.4891610	157.7846
#3	.0799563	.0895157	294.6758	.4148835	.9405801	.4715869	153.3058

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.859953	113.1119	1.043408	.0592037	1.781382	1.027801	1.164362
Stddev	.126462	1.9710	.012962	.0007599	.834857	.020180	.018553
%RSD	1.608945	1.742514	1.242270	1.283609	46.86569	1.963434	1.593406
#1	7.920883	114.2958	1.034580	.0586479	.872676	1.044674	1.149627
#2	7.944415	114.2032	1.058289	.0600697	1.957029	1.033282	1.185197
#3	7.714560	110.8366	1.037355	.0588935	2.514440	1.005446	1.158262

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.447581	7.242097	-.066371	-.002445	2.152249	9.112113	.0232098
Stddev	.250730	.071551	.003492	.000379	.028358	.200293	.0004198
%RSD	3.888744	.9879807	5.261050	15.51527	1.317602	2.198091	1.808855
#1	6.658281	7.184668	-.070394	-.002112	2.130104	9.279060	.0236751
#2	6.514190	7.322250	-.064597	-.002858	2.184211	9.167253	.0228592
#3	6.170273	7.219372	-.064123	-.002365	2.142432	8.890026	.0230951

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-22 Acquired: 12/14/2024 16:05:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF4S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.370865	.2171272	.1156584
Stddev	.021030	.0031864	.0023943
%RSD	1.534097	1.467508	2.070129
#1	1.376859	.2189831	.1175947
#2	1.388247	.2189505	.1163993
#3	1.347488	.2134479	.1129813

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2281.707	27960.44	2566.332	1922.039	2535.164
Stddev	18.248	450.93	52.514	29.499	25.561
%RSD	.7997692	1.612741	2.046270	1.534790	1.008262
#1	2294.755	28210.32	2530.895	1936.913	2555.102
#2	2260.854	27439.89	2541.439	1888.063	2506.347
#3	2289.511	28231.11	2626.664	1941.140	2544.041

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-01 Acquired: 12/14/2024 16:09:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ49 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0273323	.0365726	.3180345	-.037329	-.004969	29.71070
Stddev	.0066986	.0057147	.0070010	.009178	.001368	.14096
%RSD	24.50794	15.62558	2.201331	24.58712	27.52645	.4744477
#1	.0231921	.0407026	.3253149	-.042011	-.006502	29.77722
#2	.0237442	.0300506	.3174375	-.043223	-.004532	29.54879
#3	.0350606	.0389647	.3113512	-.026754	-.003873	29.80610

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2486984	.0024585	.0056081	F 1346.305	.0827382	.0816233
Stddev	.0008306	.0001151	.0001704	12.965	.0033493	.0011971
%RSD	.3339855	4.683709	3.038979	.9630115	4.048048	1.466564
#1	.2485602	.0024830	.0057467	1339.248	.0789182	.0829653
#2	.2479455	.0023331	.0056599	1361.267	.0851709	.0812387
#3	.2495894	.0025594	.0054178	1338.398	.0841255	.0806657

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0744713	94.54211	8.492579	618.9849	.0887229	-.003535
Stddev	.0105629	.58750	.047922	4.5379	.0022638	.001971
%RSD	14.18385	.6214197	.5642778	.7331251	2.551537	55.75118
#1	.0696609	94.62042	8.508770	620.4835	.0913359	-.002257
#2	.0671698	93.91939	8.438659	613.8872	.0874786	-.005805
#3	.0865832	95.08654	8.530308	622.5840	.0873542	-.002544

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6796843	.0695406	.9583658	8.509229	4.832817	.0380796
Stddev	.6045157	.0093701	.0162031	.105723	.027794	.0013100
%RSD	88.94066	13.47424	1.690697	1.242447	.5751041	3.440168
#1	.6501418	.0681534	.9420949	8.622623	4.864792	.0371528
#2	1.298430	.0609414	.9745002	8.413371	4.819211	.0375077
#3	.090482	.0795269	.9585021	8.491692	4.814447	.0395783

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-01 Acquired: 12/14/2024 16:09:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ49 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003375	22.99050	9.006021	.0257738	.5554527	.7634282
Stddev	.001039	.12741	.060671	.0013087	.0020671	.0038266
%RSD	30.77727	.5541942	.6736767	5.077735	.3721389	.5012430
#1	-.003389	23.12249	8.939228	.0250329	.5534328	.7659058
#2	-.004408	22.98081	9.057721	.0272849	.5575638	.7590209
#3	-.002330	22.86822	9.021113	.0250036	.5553615	.7653579

Elem	Li6707
Units	ppm
Avg	.0558434
Stddev	.0025886
%RSD	4.635439
#1	.0580672
#2	.0564611
#3	.0530018

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1836.134	22874.48	2206.358	1557.483	2113.879
Stddev	8.729	488.19	1.419	35.107	11.018
%RSD	.4754144	2.134210	.0642974	2.254066	.5212046
#1	1826.189	23396.85	2207.497	1595.491	2101.189
#2	1842.528	22429.79	2204.769	1526.272	2121.008
#3	1839.685	22796.80	2206.809	1550.684	2119.441

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-02 Acquired: 12/14/2024 16:13:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ49D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0247388**	**.0363770**	**.3128117**	**-.041879**	**-.005497**	**28.80723**
Stddev	.0019144	.0042791	.0059313	.006958	.003384	.97378
%RSD	7.738492	11.76309	1.896114	16.61507	61.56076	3.380324
#1	.0226250	.0364149	.3129741	-.038859	-.001610	29.26638
#2	.0263560	.0406370	.3186601	-.036941	-.007784	29.46656
#3	.0252353	.0320791	.3068009	-.049837	-.007097	27.68877

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2432199**	**.0022748**	**.0056874**	F **1332.993**	**.0843725**	**.0807878**
Stddev	.0084660	.0001463	.0001708	49.554	.0049904	.0017296
%RSD	3.480809	6.432930	3.003444	3.717512	5.914732	2.140898
#1	.2495560	.0023391	.0056988	1357.350	.0815326	.0807454
#2	.2464989	.0023779	.0055111	1365.655	.0901347	.0825381
#3	.2336049	.0021073	.0058522	1275.974	.0814501	.0790797

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0699382**	**91.97735**	**8.237501**	**600.5866**	**.0866267**	**-.004377**
Stddev	.0013158	3.26885	.286646	20.8422	.0013164	.001155
%RSD	1.881422	3.553975	3.479774	3.470301	1.519616	26.39467
#1	.0685451	93.41717	8.358010	608.3612	.0858752	-.004359
#2	.0711600	94.27912	8.444219	616.4240	.0881467	-.005542
#3	.0701095	88.23575	7.910274	576.9747	.0858582	-.003231

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.563367**	**.0788804**	**.9726766**	**8.178727**	**4.780412**	**.0396321**
Stddev	.789295	.0105253	.0605252	.254479	.097023	.0014945
%RSD	50.48691	13.34342	6.222542	3.111477	2.029598	3.770863
#1	1.799585	.0734566	.9372818	8.285376	4.730911	.0392408
#2	2.207582	.0910114	1.042563	8.362529	4.892201	.0412834
#3	.682934	.0721731	.938185	7.888275	4.718123	.0383723

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-02 Acquired: 12/14/2024 16:13:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ49D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.003472**	**22.79011**	**8.761785**	**.0255915**	**.5405645**	**.7418609**
Stddev	.000746	.42997	.299013	.0020820	.0168666	.0245868
%RSD	21.48698	1.886668	3.412691	8.135453	3.120187	3.314200
#1	-.003433	22.51727	8.920425	.0252138	.5509566	.7511545
#2	-.004236	23.28576	8.948047	.0278365	.5496332	.7604463
#3	-.002746	22.56729	8.416883	.0237242	.5211036	.7139820

Elem	Li6707
Units	ppm
Avg	**.0546782**
Stddev	.0040502
%RSD	7.407409
#1	.0582644
#2	.0554850
#3	.0502853

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1871.874**	**22847.07**	**2292.323**	**1559.664**	**2155.741**
Stddev	29.301	1067.07	70.002	72.482	39.878
%RSD	1.565318	4.670497	3.053764	4.647302	1.849867
#1	1884.643	23489.06	2255.258	1602.053	2173.497
#2	1838.355	21615.29	2248.647	1475.971	2110.069
#3	1892.623	23436.85	2373.065	1600.968	2183.657

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-01LX5 Acquired: 12/14/2024 16:17:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ49L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000655**	**.0230915**	**.0804536**	**-.028506**	**-.013466**	**6.535982**	**.0536106**
Stddev	.004475	.0038520	.0015448	.003697	.001327	.043142	.0010451
%RSD	683.6309	16.68137	1.920154	12.96835	9.855836	.6600686	1.949421
#1	-.003410	.0271972	.0790320	-.025864	-.012034	6.583863	.0547656
#2	-.003063	.0225202	.0802312	-.026923	-.014655	6.523950	.0527304
#3	.004509	.0195571	.0820976	-.032730	-.013708	6.500133	.0533356

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006733**	**.0010091**	**309.0640**	**.0191717**	**.0396169**	**.0065412**	**21.49892**
Stddev	.0000756	.0000990	2.3613	.0015202	.0005513	.0132522	.15740
%RSD	11.22392	9.814160	.7640323	7.929278	1.391472	202.5947	.7321527
#1	.0007068	.0008959	311.7904	.0175481	.0390503	.0124628	21.65605
#2	.0007263	.0010796	307.7329	.0194056	.0401514	-.008639	21.34124
#3	.0005867	.0010519	307.6687	.0205614	.0396489	.015800	21.49947

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.932596**	**139.3788**	**.0162276**	**.0012019**	**.5076701**	**.0224265**	**.2083987**
Stddev	.014521	.8841	.0004693	.0003385	.5143717	.0019487	.0062147
%RSD	.7513975	.6342886	2.891858	28.16310	101.3201	8.689140	2.982140
#1	1.947893	140.3823	.0156939	.0014388	.1579505	.0226482	.2032792
#2	1.918999	138.7148	.0164135	.0013527	.2667771	.0242547	.2153135
#3	1.930897	139.0393	.0165754	.0008142	1.098283	.0203764	.2066034

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.841016**	**.9508922**	**-.005381**	**-.004311**	**4.468457**	**2.048274**	**.0041447**
Stddev	.094092	.0040927	.001511	.000706	.016532	.003932	.0017701
%RSD	5.110895	.4304017	28.07655	16.37684	.3699712	.1919731	42.70592
#1	1.917180	.9549246	-.007122	-.003622	4.482717	2.052787	.0061071
#2	1.870036	.9510103	-.004416	-.004277	4.472317	2.046443	.0026687
#3	1.735832	.9467418	-.004605	-.005033	4.450336	2.045590	.0036585

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-01LX5 Acquired: 12/14/2024 16:17:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ49L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1230550	.1668701	-.006850
Stddev	.0058479	.0017726	.003316
%RSD	4.752303	1.062260	48.41300
#1	.1297208	.1688596	-.009232
#2	.1187875	.1654587	-.008254
#3	.1206566	.1662920	-.003062

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1925.066	24197.75	2267.693	1678.558	2489.487
Stddev	17.504	421.44	5.516	25.923	21.411
%RSD	.9092639	1.741641	.2432348	1.544370	.8600587
#1	1945.041	24680.52	2266.343	1706.547	2514.025
#2	1917.754	23903.36	2273.759	1655.372	2479.836
#3	1912.404	24009.36	2262.978	1673.757	2474.600

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-03 Acquired: 12/14/2024 16:20:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ49S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1041792	.1376239	.3573292	.1160514	.1552616	33.50148
Stddev	.0006359	.0019967	.0019632	.0023702	.0067542	.15531
%RSD	.6103869	1.450852	.5493977	2.042357	4.350236	.4635901
#1	.1048404	.1367665	.3566524	.1180142	.1587406	33.50607
#2	.1041250	.1361991	.3595412	.1167218	.1474771	33.34393
#3	.1035721	.1399061	.3557940	.1134183	.1595671	33.65445

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.359867	.0917739	.1035408	F 1375.421	.4639269	1.012838
Stddev	.018127	.0005258	.0004668	11.029	.0011288	.002263
%RSD	.4157721	.5729361	.4508420	.8018409	.2433040	.2234115
#1	4.362877	.0913636	.1037943	1387.748	.4631278	1.014819
#2	4.340424	.0915915	.1038260	1366.488	.4634348	1.013322
#3	4.376301	.0923666	.1030021	1372.029	.4652182	1.010372

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5399240	95.88014	9.356469	608.8759	1.059986	.0770636
Stddev	.0055205	.39361	.033612	2.2895	.006010	.0007979
%RSD	1.022462	.4105258	.3592342	.3760272	.5669485	1.035348
#1	.5461968	95.81476	9.350584	609.3703	1.065581	.0771009
#2	.5358051	95.52330	9.326188	606.3795	1.060745	.0778422
#3	.5377701	96.30234	9.392634	610.8778	1.053633	.0762477

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4724820	1.076606	1.818798	8.530799	4.845248	.0354568
Stddev	.1716545	.009217	.019524	.047268	.021578	.0020872
%RSD	36.33039	.8561185	1.073439	.5540854	.4453399	5.886590
#1	.3223462	1.080208	1.826959	8.504363	4.858134	.0330995
#2	.4354798	1.066131	1.796518	8.502662	4.857272	.0362010
#3	.6596200	1.083477	1.832917	8.585370	4.820336	.0370699

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-03 Acquired: 12/14/2024 16:20:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ49S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004103	23.17445	9.003698	.0259078	.5486775	.7536017
Stddev	.000832	.09042	.020481	.0016127	.0042141	.0035114
%RSD	20.27279	.3901522	.2274758	6.224651	.7680475	.4659501
#1	-.003350	23.23529	8.981935	.0246268	.5524805	.7543984
#2	-.004996	23.21752	9.006564	.0253778	.5441470	.7497604
#3	-.003962	23.07056	9.022596	.0277187	.5494049	.7566463

Elem	Li6707
Units	ppm
Avg	.0575180
Stddev	.0029361
%RSD	5.104634
#1	.0603739
#2	.0576724
#3	.0545078

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1838.353	22865.94	2231.471	1560.613	2117.802
Stddev	8.645	15.46	4.416	7.003	14.522
%RSD	.4702659	.0676251	.1978927	.4487563	.6857065
#1	1830.496	22868.70	2234.366	1556.328	2106.388
#2	1836.948	22879.83	2233.659	1568.695	2112.871
#3	1847.614	22849.28	2226.389	1556.816	2134.147

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4979-03 Acquired: 12/14/2024 16:24:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ68 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0537283	.0507693	.3417271	.0244912	.0213641	75.72969
Stddev	.0049912	.0007080	.0033472	.0043178	.0005733	2.96412
%RSD	9.289651	1.394502	.9795035	17.62983	2.683359	3.914084
#1	.0591389	.0499521	.3444291	.0218377	.0209316	77.64290
#2	.0527423	.0511965	.3427696	.0294734	.0220144	77.23087
#3	.0493038	.0511593	.3379828	.0221625	.0211464	72.31529

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.090562	.0047188	.0085230	77.33319	.0819694	.1340230
Stddev	.042122	.0001588	.0000700	2.90144	.0013416	.0004152
%RSD	3.862427	3.366015	.8207618	3.751866	1.636708	.3098117
#1	1.120694	.0048518	.0086020	79.20244	.0805799	.1341775
#2	1.108563	.0047617	.0084982	78.80642	.0820709	.1343388
#3	1.042431	.0045429	.0084688	73.99071	.0832574	.1335527

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1044917	161.2501	F 32.97428	16.83053	.1600241	-.002060
Stddev	.0009662	6.1269	1.23102	.64159	.0018805	.000815
%RSD	.9246671	3.799651	3.733262	3.812076	1.175120	39.55047
#1	.1038811	165.0736	33.76707	17.27733	.1617914	-.001753
#2	.1056057	164.4935	33.59966	17.11891	.1602330	-.001443
#3	.1039884	154.1833	31.55612	16.09535	.1580479	-.002983

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2331988	.1464822	.2647466	2.644367	6.172247	-.086230
Stddev	.3927544	.0098529	.0042157	.273578	.038231	.001115
%RSD	168.4205	6.726330	1.592343	10.34570	.6194085	1.293341
#1	.1552187	.1551103	.2687091	2.859612	6.194475	-.085113
#2	-.114716	.1485904	.2603167	2.736988	6.194163	-.087343
#3	.659094	.1357458	.2652140	2.336502	6.128101	-.086234

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4979-03 Acquired: 12/14/2024 16:24:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ68 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002079	1.989131	8.921647	.0202801	1.097028	-.006601
Stddev	.000712	.012292	.292167	.0009087	.040403	.000219
%RSD	34.22717	.6179413	3.274806	4.480913	3.682979	3.310111
#1	-.002428	1.998370	9.070601	.0192734	1.119775	-.006665
#2	-.001260	1.993843	9.109317	.0210398	1.120930	-.006781
#3	-.002548	1.975181	8.585023	.0205270	1.050379	-.006358

Elem	Li6707
Units	ppm
Avg	.0270437
Stddev	.0036624
%RSD	13.54241
#1	.0311027
#2	.0239865
#3	.0260418

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2701.191	33496.92	3107.855	2342.702	2630.710
Stddev	13.179	181.08	99.754	17.010	19.475
%RSD	.4878919	.5405937	3.209724	.7260822	.7403023
#1	2695.142	33656.28	3040.440	2358.623	2619.592
#2	2692.122	33534.47	3060.679	2344.704	2619.341
#3	2716.308	33300.00	3222.446	2324.780	2653.198

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4979-04 Acquired: 12/14/2024 16:28:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ68D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0566424	.0477505	.3303332	.0270017	.0229849	75.16053
Stddev	.0025966	.0033007	.0180501	.0015827	.0009118	.38874
%RSD	4.584200	6.912441	5.464214	5.861313	3.967137	.5172191
#1	.0571970	.0456531	.3334885	.0253965	.0220908	75.44333
#2	.0538134	.0460433	.3109134	.0270479	.0239135	75.32104
#3	.0589170	.0515552	.3465975	.0285608	.0229505	74.71724

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.085690	.0046786	.0080105	76.60344	.0803071	.1287554
Stddev	.007804	.0002196	.0006314	.43544	.0010239	.0070361
%RSD	.7187899	4.693926	7.882416	.5684291	1.274989	5.464692
#1	1.092056	.0049116	.0080018	76.83453	.0792077	.1296875
#2	1.088030	.0046488	.0073836	76.87461	.0804801	.1212998
#3	1.076983	.0044754	.0086463	76.10117	.0812335	.1352790

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1051766	160.0058	F 32.72288	16.62333	.1527770	-.001096
Stddev	.0029696	1.0147	.18951	.01756	.0097367	.000916
%RSD	2.823416	.6341708	.5791392	.1056472	6.373141	83.57305
#1	.1019210	160.6529	32.90512	16.60545	.1550347	-.000332
#2	.1077367	160.5282	32.73668	16.64055	.1421098	-.002112
#3	.1058723	158.8363	32.52685	16.62399	.1611865	-.000845

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2502561	.1536240	.2649236	2.557225	5.919019	-.093110
Stddev	.3963729	.0072270	.0109810	.086118	.319252	.000129
%RSD	158.3869	4.704315	4.144966	3.367616	5.393657	.1380905
#1	.7007584	.1616740	.2538290	2.460655	5.996653	-.093258
#2	.0949854	.1515036	.2651544	2.626051	5.568110	-.093037
#3	-.044975	.1476945	.2757873	2.584969	6.192294	-.093034

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4979-04 Acquired: 12/14/2024 16:28:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ68D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001850	1.904090	8.886024	.0205913	1.087913	-.006789
Stddev	.000484	.105242	.067511	.0012601	.007151	.000397
%RSD	26.15338	5.527159	.7597413	6.119519	.6573023	5.840938
#1	-.001844	1.922251	8.933603	.0218049	1.091157	-.006955
#2	-.001370	1.790949	8.915713	.0206797	1.092867	-.007075
#3	-.002337	1.999069	8.808757	.0192894	1.079715	-.006336

Elem	Li6707
Units	ppm
Avg	.0287033
Stddev	.0033645
%RSD	11.72157
#1	.0314984
#2	.0296425
#3	.0249691

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2761.612	33863.70	3120.585	2362.861	2728.683
Stddev	80.473	487.66	5.978	33.735	131.679
%RSD	2.914002	1.440058	.1915692	1.427717	4.825735
#1	2738.976	34396.37	3116.270	2399.940	2693.063
#2	2850.979	33755.49	3118.076	2354.662	2874.507
#3	2694.881	33439.23	3127.409	2333.982	2618.478

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4979-03LX5 Acquired: 12/14/2024 16:32:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ68L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0115685	.0101485	.0688649	.0045790	.0033486	20.71815	.2961846
Stddev	.0038419	.0033081	.0026934	.0031594	.0004792	.09379	.0018339
%RSD	33.21015	32.59694	3.911136	68.99736	14.30950	.4527161	.6191816
#1	.0109712	.0139453	.0710996	.0022328	.0029332	20.77432	.2968224
#2	.0080603	.0086123	.0696209	.0033328	.0038728	20.60987	.2941169
#3	.0156742	.0078877	.0658744	.0081715	.0032399	20.77025	.2976145

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013796	.0011966	21.17053	.0226254	.0306507	.0233519	44.23975
Stddev	.0000348	.0001348	.08367	.0002339	.0014541	.0035827	.16329
%RSD	2.524038	11.26396	.3952218	1.033845	4.744248	15.34234	.3691076
#1	.0013394	.0013253	21.17442	.0228494	.0321912	.0194916	44.26308
#2	.0013986	.0012080	21.08499	.0226441	.0304589	.0265704	44.06604
#3	.0014007	.0010564	21.25220	.0223827	.0293019	.0239937	44.39012

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.159645	4.665785	.0296977	.0011695	-.259296	.0439913	.0750716
Stddev	.051180	.037170	.0010441	.0012744	.256994	.0110266	.0105992
%RSD	.5587565	.7966413	3.515876	108.9693	99.11221	25.06531	14.11882
#1	9.172961	4.625061	.0306352	-.000177	.036680	.0390356	.0803444
#2	9.103123	4.697884	.0298856	.001329	-.388724	.0363121	.0628701
#3	9.202851	4.674409	.0285724	.002356	-.425845	.0566262	.0820004

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9884922	1.186602	-.040121	-.001139	.3688858	2.510383	.0040181
Stddev	.1889228	.051491	.002024	.000149	.0174639	.029623	.0012697
%RSD	19.11222	4.339382	5.044642	13.04527	4.734233	1.180024	31.59884
#1	1.142005	1.233653	-.042385	-.001271	.3810116	2.541388	.0038377
#2	.777508	1.194556	-.038487	-.000978	.3767768	2.482369	.0053683
#3	1.045964	1.131597	-.039491	-.001168	.3488690	2.507393	.0028483

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4979-03LX5 Acquired: 12/14/2024 16:32:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ68L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2962080	-.001985	-.010274
Stddev	.0021387	.000134	.002868
%RSD	.7220153	6.773874	27.91902
#1	.2976051	-.002140	-.008356
#2	.2972729	-.001910	-.013571
#3	.2937459	-.001904	-.008894

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2196.995	26683.77	2432.589	1861.758	2845.057
Stddev	30.977	166.71	31.574	16.950	51.426
%RSD	1.409950	.6247578	1.297977	.9104245	1.807555
#1	2179.965	26496.59	2401.242	1842.376	2812.015
#2	2178.270	26738.45	2464.386	1873.804	2818.849
#3	2232.750	26816.27	2432.139	1869.095	2904.307

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4979-05 Acquired: 12/14/2024 16:36:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ68S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1401373**	**.1500584**	**.3800456**	**.1440782**	**.1419121**	**80.61649**
Stddev	.0032045	.0015808	.0043683	.0017006	.0009760	1.11141
%RSD	2.286677	1.053433	1.149419	1.180295	.6877423	1.378639
#1	.1384118	.1508145	.3833846	.1448618	.1410732	79.75350
#2	.1438348	.1511191	.3816504	.1421272	.1416799	80.22538
#3	.1381653	.1482416	.3751019	.1452457	.1429833	81.87058

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.352511**	**.0731467**	**.1015462**	**79.17026**	**.3811000**	**1.034854**
Stddev	.069283	.0008628	.0012144	1.07057	.0024524	.008939
%RSD	1.591804	1.179569	1.195904	1.352241	.6434949	.8637487
#1	4.294289	.0727172	.1025865	78.41661	.3835540	1.042456
#2	4.334106	.0725830	.1018402	78.69849	.3810965	1.037100
#3	4.429139	.0741400	.1002118	80.39570	.3786493	1.025007

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4802947**	**166.5336**	F **34.56503**	**17.14377**	**1.112726**	**.0576362**
Stddev	.0037246	2.7412	.51210	.32958	.010086	.0007405
%RSD	.7754920	1.646058	1.481549	1.922452	.9064087	1.284872
#1	.4785749	164.0712	34.11553	16.88805	1.121954	.0571180
#2	.4777407	166.0424	34.45706	17.02754	1.114264	.0584843
#3	.4845685	169.4872	35.12251	17.51572	1.101959	.0573062

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6050179**	**.9267414**	**.9018244**	**2.776212**	**6.101840**	**-.100001**
Stddev	.2563760	.0099739	.0027038	.015444	.050136	.003344
%RSD	42.37495	1.076232	.2998182	.5562951	.8216611	3.344158
#1	.8987097	.9180728	.9027874	2.767974	6.152453	-.103833
#2	.4903821	.9245091	.9039149	2.766635	6.100874	-.098503
#3	.4259618	.9376423	.8987709	2.794029	6.052194	-.097669

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4979-05 Acquired: 12/14/2024 16:36:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ68S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001597**	**1.951112**	**9.193240**	**.0199475**	**1.126178**	**-.008332**
Stddev	.000175	.023059	.094997	.0009158	.016379	.000351
%RSD	10.97947	1.181823	1.033340	4.591066	1.454413	4.208930
#1	-.001428	1.974872	9.147877	.0190577	1.114542	-.008162
#2	-.001585	1.949639	9.129427	.0198975	1.119084	-.008099
#3	-.001778	1.928826	9.302415	.0208873	1.144909	-.008735

Elem	Li6707
Units	ppm
Avg	**.0279816**
Stddev	.0030729
%RSD	10.98172
#1	.0310978
#2	.0278931
#3	.0249540

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2676.340**	**32911.31**	**3014.463**	**2298.367**	**2628.451**
Stddev	13.972	92.22	35.804	14.518	20.073
%RSD	.5220527	.2802182	1.187749	.6316533	.7636947
#1	2663.736	32820.66	3044.009	2282.840	2609.409
#2	2673.920	32908.22	3024.734	2300.658	2626.526
#3	2691.364	33005.03	2974.646	2311.603	2649.417

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-01 Acquired: 12/14/2024 16:40:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHHY3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0382677	.0286895	.2631968	-.010556	.0096601	66.01193	.5600018
Stddev	.0077991	.0055870	.0043224	.000707	.0010404	.77110	.0076393
%RSD	20.38046	19.47411	1.642257	6.699233	10.77021	1.168122	1.364155
#1	.0443390	.0325710	.2677495	-.009848	.0099901	66.34596	.5628753
#2	.0409924	.0312115	.2626917	-.010556	.0104954	66.55969	.5657876
#3	.0294717	.0222861	.2591492	-.011262	.0084947	65.13013	.5513425

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044160	.0046415	690.4162	.0793131	.1104294	.1472112	146.1966
Stddev	.0001575	.0000280	8.4701	.0095628	.0020005	.0025450	1.6822
%RSD	3.566330	.6024081	1.226813	12.05707	1.811612	1.728813	1.150624
#1	.0045473	.0046653	693.0037	.0794785	.1124323	.1461860	146.9408
#2	.0044593	.0046107	697.2908	.0696687	.1084312	.1501090	147.3782
#3	.0042414	.0046485	680.9542	.0887922	.1104246	.1453388	144.2707

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.860838	196.8824	.1520374	-.003800	1.103231	.1480750	.5340506
Stddev	.111250	2.6577	.0030574	.002593	.359835	.0009564	.0476431
%RSD	1.128198	1.349892	2.010931	68.24925	32.61652	.6458568	8.921079
#1	9.888937	197.8883	.1555451	-.004208	1.498714	.1477915	.5243369
#2	9.955345	198.8902	.1499379	-.001026	1.015835	.1491410	.4920130
#3	9.738233	193.8685	.1506291	-.006165	.795144	.1472923	.5858020

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.160789	7.565013	-.045141	-.002950	4.097927	8.741086	.0986632
Stddev	.224134	.175625	.006388	.000631	.083103	.116788	.0014369
%RSD	2.746473	2.321540	14.15031	21.39919	2.027922	1.336081	1.456392
#1	8.278422	7.767632	-.048051	-.003679	4.193867	8.859834	.0985613
#2	8.301618	7.470996	-.037816	-.002554	4.051619	8.626362	.1001483
#3	7.902329	7.456411	-.049555	-.002619	4.048295	8.737063	.0972799

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-01 Acquired: 12/14/2024 16:40:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHHY3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	**1.311743**	**.4124110**	**.0923485**
Stddev	.019390	.0051416	.0035396
%RSD	1.478209	1.246728	3.832830
#1	1.318550	.4141650	.0884676
#2	1.326812	.4164462	.0953991
#3	1.289867	.4066219	.0931789

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2215.986**	**28395.11**	**2530.099**	**1961.005**	**2364.243**
Stddev	28.635	2569.95	31.930	169.468	43.529
%RSD	1.292217	9.050678	1.261993	8.641886	1.841124
#1	2182.953	28426.00	2506.128	1960.880	2313.980
#2	2231.239	30949.48	2517.824	2130.536	2389.202
#3	2233.767	25809.86	2566.344	1791.600	2389.545

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-02 Acquired: 12/14/2024 16:44:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHHY4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0352388	.0237754	.2509340	-.011431	.0104042	57.16754	.4986524
Stddev	.0012614	.0027480	.0034886	.005205	.0013289	1.42596	.0125654
%RSD	3.579485	11.55799	1.390247	45.53306	12.77240	2.494361	2.519876
#1	.0366649	.0243719	.2485144	-.017095	.0103173	55.80922	.4871699
#2	.0342694	.0261761	.2493545	-.006859	.0117744	58.65268	.5120751
#3	.0347822	.0207782	.2549329	-.010338	.0091209	57.04072	.4967122

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042729	.0044083	398.3403	.0773858	.0974332	.1598066	136.8924
Stddev	.0001426	.0002031	9.0706	.0015090	.0004715	.0093490	3.2628
%RSD	3.336356	4.606161	2.277086	1.949998	.4839064	5.850192	2.383497
#1	.0042240	.0046250	389.6268	.0791230	.0974372	.1547091	133.9402
#2	.0044335	.0042224	407.7300	.0763998	.0969598	.1541142	140.3957
#3	.0041612	.0043776	397.6642	.0766348	.0979027	.1705964	136.3413

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.908695	117.6039	.1421047	-.005662	.4937686	.1324641	.5385016
Stddev	.181155	2.7856	.0007347	.000531	.0992276	.0034738	.0054462
%RSD	2.290574	2.368636	.5170108	9.381572	20.09597	2.622462	1.011352
#1	7.737117	114.9901	.1418698	-.005978	.3797317	.1285624	.5352013
#2	8.098107	120.5343	.1415162	-.005049	.5411530	.1336083	.5447876
#3	7.890860	117.2874	.1429281	-.005960	.5604210	.1352214	.5355158

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.557457	5.981688	-.056129	-.002001	3.378085	8.422303	.0235270
Stddev	.232412	.057542	.002906	.000880	.033148	.190710	.0011654
%RSD	3.544232	.9619644	5.178039	43.96923	.9812660	2.264349	4.953500
#1	6.317995	5.954328	-.054343	-.002824	3.358708	8.324294	.0248710
#2	6.782109	5.942932	-.059483	-.001074	3.359187	8.642089	.0229117
#3	6.572267	6.047805	-.054561	-.002106	3.416360	8.300528	.0227981

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-02 Acquired: 12/14/2024 16:44:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHHY4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.084355	.2669389	.0824883
Stddev	.028302	.0062554	.0039871
%RSD	2.609993	2.343391	4.833531
#1	1.058626	.2610902	.0796289
#2	1.114669	.2735340	.0870429
#3	1.079769	.2661926	.0807932

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2203.145	27114.59	2643.141	1862.889	2447.828
Stddev	10.250	229.59	58.850	9.534	13.955
%RSD	.4652498	.8467502	2.226512	.5118122	.5700872
#1	2206.062	26852.75	2686.524	1852.756	2455.176
#2	2211.620	27209.60	2576.153	1871.684	2456.574
#3	2191.752	27281.43	2666.746	1864.228	2431.735

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-04 Acquired: 12/14/2024 16:47:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ19 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3083435	.0118483	2.425872	.0221729	.0856613	93.07652	1.133960
Stddev	.0051628	.0011163	.021389	.0030410	.0043559	.03910	.000574
%RSD	1.674375	9.421789	.8817019	13.71490	5.085071	.0420086	.0506571
#1	.3127765	.0131373	2.448516	.0204944	.0823406	93.09610	1.134333
#2	.3026750	.0111914	2.406011	.0256832	.0840500	93.10196	1.134248
#3	.3095791	.0112163	2.423089	.0203411	.0905933	93.03150	1.133298

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0118493	.0090547	382.2640	.1022577	.1412148	.4174173	385.0101
Stddev	.0001103	.0001243	.2615	.0029260	.0019501	.0064817	.8574
%RSD	.9308196	1.372378	.0684029	2.861349	1.380939	1.552810	.2226998
#1	.0119749	.0089765	382.1191	.0989763	.1430069	.4142295	384.1071
#2	.0117685	.0089895	382.5658	.1045951	.1391380	.4131468	385.8132
#3	.0118044	.0091980	382.1070	.1032018	.1414994	.4248756	385.1098

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.398403	153.3000	.2546521	-.021611	1.439100	.2388690	.8789654
Stddev	.008486	.4422	.0025251	.001171	.603295	.0092868	.0248684
%RSD	.1572021	.2884358	.9915754	5.418599	41.92170	3.887816	2.829280
#1	5.389567	153.5925	.2572869	-.020487	1.885774	.2377850	.8509886
#2	5.406491	153.5162	.2522534	-.022824	.752809	.2301718	.8985583
#3	5.399150	152.7913	.2544160	-.021523	1.678719	.2486502	.8873493

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.322010	5.703705	-.134477	.0127431	14.91080	10.93621	.2512994
Stddev	.060504	.059582	.001209	.0010327	.16562	.04258	.0017159
%RSD	.7270406	1.044619	.8992558	8.104210	1.110727	.3893335	.6828275
#1	8.391542	5.768169	-.133255	.0139251	15.06675	10.90104	.2521064
#2	8.293132	5.650657	-.135674	.0120152	14.73697	10.92403	.2493288
#3	8.281355	5.692290	-.134502	.0122891	14.92867	10.98354	.2524632

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-04 Acquired: 12/14/2024 16:47:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ19 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	**2.519246**	**.4704245**	**.1264715**
Stddev	.007033	.0011135	.0077001
%RSD	.2791535	.2367029	6.088377
#1	2.522632	.4711063	.1175950
#2	2.523944	.4710276	.1313526
#3	2.511160	.4691395	.1304670

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2016.207**	**24951.00**	**2319.603**	**1720.102**	**2418.788**
Stddev	25.143	335.08	7.930	23.014	31.319
%RSD	1.247047	1.342969	.3418810	1.337937	1.294821
#1	1988.344	25312.25	2317.396	1745.831	2383.032
#2	2037.203	24650.36	2313.011	1701.479	2441.358
#3	2023.074	24890.38	2328.403	1712.996	2431.974

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-05 Acquired: 12/14/2024 16:51:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ26 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1334878**	**.0237110**	**1.623866**	**.0170543**	**.0325011**	**94.34581**	**1.159399**
Stddev	.0080954	.0008335	.005240	.0012161	.0013595	.67749	.008043
%RSD	6.064517	3.515195	.3226613	7.130838	4.182914	.7180943	.6936993
#1	.1425304	.0227576	1.618636	.0175741	.0325551	94.97566	1.166520
#2	.1269150	.0243013	1.623847	.0156647	.0311154	94.43272	1.161000
#3	.1310180	.0240741	1.629115	.0179242	.0338328	93.62906	1.150676

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0077388**	**.0076188**	**130.3278**	**.1321619**	**.1287205**	**.2659359**	**199.7290**
Stddev	.0000936	.0000503	.8702	.0010957	.0001527	.0063216	1.4135
%RSD	1.209559	.6608894	.6677013	.8290578	.1186008	2.377113	.7077259
#1	.0078060	.0076769	131.2428	.1321663	.1287618	.2732310	200.7973
#2	.0077785	.0075891	130.2300	.1332554	.1285514	.2625074	200.2634
#3	.0076319	.0075903	129.5107	.1310640	.1288483	.2620691	198.1261

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.34249**	**41.30321**	**.2472922**	**-.006265**	**.1710881**	**.1939572**	**.8133221**
Stddev	.11044	.15868	.0007088	.000793	.4199196	.0085570	.0110840
%RSD	.6757800	.3841912	.2866384	12.65338	245.4405	4.411810	1.362799
#1	16.43968	41.44788	.2464968	-.006941	.6307448	.1891140	.8261090
#2	16.36538	41.32827	.2478572	-.005392	.0749358	.1889202	.8064541
#3	16.22239	41.13349	.2475224	-.006462	-.192416	.2038373	.8074033

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.675404**	**8.828341**	**-.071825**	**.0025546**	**4.807009**	**9.779216**	**.0522388**
Stddev	.148799	.030372	.003695	.0004780	.024065	.033896	.0003376
%RSD	1.715182	.3440303	5.143999	18.71122	.5006305	.3466140	.6462030
#1	8.827585	8.801440	-.067819	.0023297	4.786364	9.747426	.0526277
#2	8.668392	8.822305	-.072557	.0022305	4.801222	9.814885	.0520212
#3	8.530235	8.861278	-.075098	.0031036	4.833439	9.775337	.0520675

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-05 Acquired: 12/14/2024 16:51:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ26 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.220769	.0103444	.0817682
Stddev	.009527	.0000973	.0028659
%RSD	.7804271	.9404214	3.504871
#1	1.229038	.0103809	.0785549
#2	1.222918	.0104182	.0840599
#3	1.210351	.0102342	.0826897

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2464.542	30512.21	2804.344	2128.946	2584.715
Stddev	6.648	343.70	25.805	23.920	8.561
%RSD	.2697638	1.126435	.9201692	1.123571	.3312058
#1	2470.518	30347.39	2796.307	2116.843	2594.307
#2	2457.380	30281.97	2783.515	2113.496	2577.850
#3	2465.727	30907.28	2833.211	2156.499	2581.987

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-06 Acquired: 12/14/2024 16:55:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ43 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1620004**	**.0322401**	**.4865587**	**-.028955**	**.0124974**	**59.77032**
Stddev	.0027660	.0027184	.0120824	.005255	.0012415	.50948
%RSD	1.707418	8.431593	2.483239	18.14926	9.934450	.8523896
#1	.1646128	.0332208	.4792459	-.035019	.0113454	59.25639
#2	.1622856	.0291675	.4799255	-.025723	.0123344	59.77934
#3	.1591028	.0343321	.5005048	-.026124	.0138124	60.27522

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5575627**	**.0045690**	**.0082680**	F **1404.068**	**.0957882**	**.1122601**
Stddev	.0048950	.0000982	.0002260	32.236	.0008393	.0023578
%RSD	.8779261	2.149196	2.733648	2.295887	.8761730	2.100293
#1	.5523277	.0045858	.0083048	1366.909	.0966241	.1126711
#2	.5583344	.0044636	.0080258	1420.762	.0949456	.1097238
#3	.5620261	.0046578	.0084733	1424.534	.0957947	.1143853

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1123075**	**158.8064**	**10.17865**	**692.5524**	**.1674554**	**-.006914**
Stddev	.0033364	1.5777	.10982	6.9978	.0034027	.000551
%RSD	2.970727	.9934751	1.078897	1.010430	2.031977	7.972903
#1	.1101600	157.0212	10.05637	685.1115	.1686203	-.006301
#2	.1106114	159.3845	10.21071	693.5446	.1636232	-.007072
#3	.1161512	160.0135	10.26887	699.0011	.1701225	-.007369

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7946171**	**.1263285**	**1.279735**	**10.71764**	**5.752688**	**-.021648**
Stddev	.7344602	.0032626	.000604	.17185	.111633	.000541
%RSD	92.42945	2.582618	.0471838	1.603425	1.940529	2.499845
#1	1.544783	.1256327	1.279636	10.55811	5.743941	-.022158
#2	.076941	.1298828	1.279187	10.69520	5.645685	-.021704
#3	.762128	.1234699	1.280382	10.89961	5.868436	-.021081

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-06 Acquired: 12/14/2024 16:55:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ43 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000941	17.22631	10.38125	.0306550	.7915218	.4580631
Stddev	.000318	.33311	.04247	.0018209	.0120275	.0048030
%RSD	33.85264	1.933741	.4091499	5.939908	1.519537	1.048554
#1	-.001294	17.20439	10.33222	.0293121	.7776973	.4527457
#2	-.000853	16.90470	10.40459	.0327276	.7972848	.4593568
#3	-.000675	17.56984	10.40694	.0299254	.7995835	.4620868

Elem	Li6707
Units	ppm
Avg	.0969338
Stddev	.0041277
%RSD	4.258263
#1	.1005795
#2	.0924521
#3	.0977698

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1944.579	24404.79	2400.078	1670.665	2118.306
Stddev	23.483	50.89	18.529	7.639	32.242
%RSD	1.207591	.2085340	.7720095	.4572304	1.522088
#1	1950.464	24416.64	2421.123	1667.865	2120.605
#2	1964.559	24349.02	2392.897	1664.822	2149.337
#3	1918.714	24448.72	2386.215	1679.309	2084.975

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-07 Acquired: 12/14/2024 16:59:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ44 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1347137**	**.0144175**	**.5746707**	**-.006943**	**.0355356**	**132.7172**
Stddev	.0030337	.0006570	.0374946	.013657	.0040634	3.4649
%RSD	2.251969	4.557019	6.524546	196.6946	11.43484	2.610719
#1	.1380728	.0147964	.5446386	.008823	.0358487	136.7172
#2	.1338949	.0136589	.5626794	-.015098	.0313247	130.6416
#3	.1321735	.0147972	.6166942	-.014555	.0394334	130.7929

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.658831**	**.0095405**	**.0104238**	F **917.6155**	**.1685150**	**.1526657**
Stddev	.045235	.0003403	.0012087	25.0207	.0041745	.0102627
%RSD	2.726893	3.566804	11.59532	2.726711	2.477212	6.722368
#1	1.710999	.0098247	.0092747	946.4262	.1676371	.1441894
#2	1.630501	.0091634	.0103123	901.3415	.1730587	.1497318
#3	1.634994	.0096334	.0116843	905.0787	.1648494	.1640759

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2602714**	**256.6704**	**7.008374**	**347.1267**	**.2950927**	**-.014138**
Stddev	.0094835	6.7588	.185259	9.0526	.0203730	.001445
%RSD	3.643701	2.633271	2.643390	2.607879	6.903945	10.22109
#1	.2675103	264.4634	7.222210	357.5406	.2774310	-.012564
#2	.2495361	252.4088	6.896342	341.1364	.2904658	-.015406
#3	.2637679	253.1389	6.906568	342.7032	.3173812	-.014443

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.084011**	**.2605399**	**1.640871**	**10.25152**	**8.218948**	**-.099945**
Stddev	.197002	.0118606	.032812	.38635	.571624	.004871
%RSD	18.17343	4.552327	1.999656	3.768694	6.954951	4.873410
#1	1.057867	.2730164	1.652561	10.63267	7.751491	-.094909
#2	.901386	.2494101	1.666236	10.26172	8.049108	-.100293
#3	1.292779	.2591932	1.603815	9.86017	8.856244	-.104632

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-07 Acquired: 12/14/2024 16:59:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ44 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025909	6.736284	10.45768	.0526231	1.031607	.8636586
Stddev	.0007448	.440957	.18478	.0011656	.024161	.0230245
%RSD	28.74599	6.545994	1.766937	2.214973	2.342067	2.665925
#1	.0026153	6.374227	10.66713	.0514300	1.058962	.8902349
#2	.0018342	6.607266	10.31771	.0526804	1.022676	.8497361
#3	.0033232	7.227359	10.38819	.0537591	1.013183	.8510047

Elem	Li6707
Units	ppm
Avg	.2007447
Stddev	.0049041
%RSD	2.442946
#1	.2025313
#2	.1951978
#3	.2045050

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2106.660	26288.36	2519.939	1819.157	2265.523
Stddev	98.002	612.60	58.133	39.026	136.714
%RSD	4.651994	2.330291	2.306937	2.145279	6.034545
#1	2191.432	26266.07	2452.918	1811.113	2381.336
#2	2129.194	25687.21	2556.715	1784.780	2300.520
#3	1999.354	26911.79	2550.184	1861.579	2114.712

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-08 Acquired: 12/14/2024 17:03:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ45 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0662491	.0174061	.2875525	-.002265	.0354122	135.9771	1.742340
Stddev	.0047758	.0038603	.0025797	.003222	.0040498	2.2440	.026700
%RSD	7.208828	22.17759	.8971075	142.2364	11.43603	1.650257	1.532422
#1	.0679282	.0211651	.2902365	-.000994	.0348029	137.3003	1.755886
#2	.0699585	.0176012	.2873293	.000127	.0397321	137.2447	1.759551
#3	.0608605	.0134520	.2850917	-.005929	.0317017	133.3861	1.711582

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0095307	.0099240	724.9123	.1725853	.1446774	.2562227	244.1972
Stddev	.0001050	.0000969	11.2144	.0002049	.0005924	.0027528	3.9911
%RSD	1.102027	.9762264	1.547003	.1187552	.4094385	1.074375	1.634384
#1	.0096518	.0100351	731.0710	.1724521	.1450549	.2591186	246.5499
#2	.0094759	.0098799	731.6978	.1728213	.1449827	.2559099	246.4527
#3	.0094643	.0098570	711.9680	.1724825	.1439947	.2536397	239.5890

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.921417	229.6046	.2867272	-.012197	.4962847	.2600381	1.429906
Stddev	.087901	3.5147	.0034050	.000980	.0228821	.0092604	.008997
%RSD	1.484452	1.530748	1.187538	8.030736	4.610681	3.561190	.6292087
#1	5.960126	230.8543	.2881752	-.012742	.5215457	.2686134	1.422129
#2	5.983319	232.3236	.2891688	-.011066	.4903627	.2612825	1.427830
#3	5.820805	225.6358	.2828375	-.012783	.4769458	.2502183	1.439760

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.419888	5.688811	-.103325	.0031602	2.775797	11.28257	.0332107
Stddev	.280317	.064515	.004089	.0008242	.042212	.25379	.0018333
%RSD	3.777919	1.134073	3.957614	26.07942	1.520720	2.249370	5.520287
#1	7.516505	5.709561	-.107742	.0023551	2.789162	11.48266	.0317454
#2	7.639117	5.740398	-.102561	.0031232	2.809709	11.36796	.0326201
#3	7.104041	5.616474	-.099672	.0040022	2.728521	10.99711	.0352665

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-08 Acquired: 12/14/2024 17:03:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ45 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.012104	.9818332	.2005860
Stddev	.015748	.0164393	.0075247
%RSD	1.555923	1.674347	3.751364
#1	1.016030	.9891844	.2057418
#2	1.025517	.9933141	.2040649
#3	.994765	.9630010	.1919513

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2117.119	26206.70	2524.361	1817.642	2336.446
Stddev	18.034	78.14	57.080	5.221	25.661
%RSD	.8518233	.2981795	2.261156	.2872293	1.098278
#1	2118.222	26253.44	2490.208	1821.786	2332.684
#2	2098.558	26116.49	2492.619	1811.778	2312.874
#3	2134.576	26250.17	2590.256	1819.361	2363.780

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-09 Acquired: 12/14/2024 17:06:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ46 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0446744	.0103964	.2529327	.0040077	.0350666	149.5450	1.955405
Stddev	.0017719	.0019695	.0015420	.0021598	.0028635	.1549	.002599
%RSD	3.966186	18.94404	.6096329	53.89156	8.165912	.1035492	.1329345
#1	.0465135	.0083724	.2521639	.0016826	.0352050	149.3744	1.958349
#2	.0445314	.0123064	.2519264	.0059514	.0378583	149.6767	1.954439
#3	.0429784	.0105105	.2547079	.0043891	.0321364	149.5838	1.953427

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0104533	.0089036	431.9536	.1848333	.1452434	.2582803	247.4277
Stddev	.0000426	.0002473	.5068	.0011814	.0005982	.0064873	.5320
%RSD	.4077666	2.777258	.1173363	.6391879	.4118549	2.511713	.2150195
#1	.0104433	.0086630	431.4924	.1835693	.1445608	.2512715	248.0408
#2	.0105001	.0091571	431.8722	.1859098	.1454934	.2594952	247.0873
#3	.0104166	.0088906	432.4962	.1850207	.1456761	.2640742	247.1551

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.451278	128.4915	.3085758	-.012958	.5045145	.2627771	1.174898
Stddev	.008855	.0842	.0018771	.001239	.5226539	.0033067	.011301
%RSD	.1989341	.0655103	.6082987	9.561013	103.5954	1.258364	.9619072
#1	4.456253	128.5883	.3071299	-.014315	.2180521	.2613076	1.185212
#2	4.456528	128.4514	.3106971	-.011887	.1877223	.2665639	1.176666
#3	4.441054	128.4349	.3079005	-.012672	1.107769	.2604599	1.162817

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.363826	5.597808	-.112578	.0024369	1.715867	10.62947	.0316898
Stddev	.193136	.022371	.002447	.0004154	.012169	.04104	.0017371
%RSD	2.622768	.3996318	2.173224	17.04510	.7092314	.3860815	5.481422
#1	7.180875	5.572403	-.114507	.0023869	1.701883	10.63205	.0334893
#2	7.344855	5.614559	-.113401	.0028750	1.721663	10.66916	.0315571
#3	7.565747	5.606462	-.109826	.0020487	1.724055	10.58720	.0300228

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-09 Acquired: 12/14/2024 17:06:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ46 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.026516	.7931383	.2133567
Stddev	.007877	.0018750	.0043817
%RSD	.7673397	.2363992	2.053675
#1	1.033309	.7946669	.2140153
#2	1.028357	.7937018	.2173718
#3	1.017881	.7910462	.2086831

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2139.442	26866.46	2549.001	1866.364	2384.130
Stddev	3.090	15.34	9.994	1.748	5.018
%RSD	.1444441	.0570833	.3920946	.0936630	.2104824
#1	2138.505	26870.60	2543.363	1864.723	2386.564
#2	2136.929	26849.48	2543.099	1866.168	2378.359
#3	2142.893	26879.30	2560.540	1868.202	2387.468

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-10 Acquired: 12/14/2024 17:10:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ47 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0504093**	**.0306993**	**.5429437**	**-.024973**	**.0130317**	**88.42112**
Stddev	.0074080	.0010469	.0037626	.009511	.0028266	.33380
%RSD	14.69574	3.410031	.6930076	38.08690	21.69002	.3775118
#1	.0467456	.0295830	.5449333	-.017480	.0134995	88.47590
#2	.0455470	.0308558	.5386040	-.035673	.0155951	88.06332
#3	.0589354	.0316590	.5452938	-.021765	.0100003	88.72414

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.360339**	**.0068756**	**.0071432**	F **1512.133**	**.1160165**	**.1240513**
Stddev	.005766	.0001248	.0001578	19.972	.0004909	.0008759
%RSD	.4238597	1.815199	2.209859	1.320799	.4231590	.7060874
#1	1.362500	.0067412	.0073232	1491.826	.1164774	.1244581
#2	1.353804	.0068978	.0070777	1512.821	.1160719	.1230460
#3	1.364712	.0069878	.0070286	1531.752	.1155002	.1246499

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1861125**	**176.4506**	**8.522840**	**159.0905**	**.1997157**	**-.008672**
Stddev	.0045184	.8199	.053666	.4983	.0006053	.001008
%RSD	2.427771	.4646518	.6296697	.3132205	.3030849	11.62875
#1	.1861604	176.4669	8.511604	159.0364	.2002129	-.008628
#2	.1815704	175.6227	8.475682	158.6214	.1990417	-.009701
#3	.1906068	177.2622	8.581234	159.6136	.1998926	-.007686

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6872519**	**.1789130**	**.9324711**	**5.145829**	**4.938520**	**-.068781**
Stddev	.5573716	.0070047	.0111985	.058672	.026349	.001492
%RSD	81.10149	3.915119	1.200948	1.140177	.5335423	2.168733
#1	.1913618	.1759571	.9392283	5.094669	4.956764	-.067096
#2	1.290490	.1738708	.9386403	5.132946	4.908312	-.069933
#3	.579905	.1869111	.9195446	5.209871	4.950485	-.069313

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-10 Acquired: 12/14/2024 17:10:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ47 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012073	2.305722	10.55962	.0552962	.9286322	1.072767
Stddev	.0003738	.019276	.08223	.0028848	.0031213	.003071
%RSD	30.96207	.8360072	.7787107	5.217031	.3361161	.2862461
#1	.0013909	2.315348	10.52914	.0584096	.9306058	1.071668
#2	.0014538	2.283529	10.49699	.0547653	.9302571	1.070396
#3	.0007772	2.318290	10.65274	.0527137	.9250337	1.076235

Elem	Li6707
Units	ppm
Avg	.1234322
Stddev	.0043749
%RSD	3.544363
#1	.1226775
#2	.1194838
#3	.1281354

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1994.660	24364.20	2404.929	1694.702	2196.722
Stddev	12.976	67.24	18.080	7.216	17.643
%RSD	.6505555	.2759932	.7518036	.4258138	.8031611
#1	1984.735	24286.59	2404.720	1686.391	2182.990
#2	2009.344	24404.93	2423.113	1699.380	2216.621
#3	1989.901	24401.08	2386.954	1698.334	2190.555

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-12 Acquired: 12/14/2024 17:14:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJD8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0970966	.0108395	1.159950	.0143487	.0274883	79.56141	.7391617
Stddev	.0031304	.0038023	.005114	.0043908	.0018636	.33524	.0036457
%RSD	3.224023	35.07814	.4408864	30.60059	6.779490	.4213657	.4932196
#1	.0955243	.0067326	1.165631	.0163028	.0294779	79.35042	.7379858
#2	.0950641	.0142374	1.155714	.0174232	.0272035	79.94797	.7432502
#3	.1007016	.0115486	1.158504	.0093201	.0257835	79.38582	.7362491

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057281	.0047142	101.2600	.1155544	.1053686	.1951576	178.7742
Stddev	.0000460	.0002711	.5993	.0011254	.0004590	.0063149	1.2015
%RSD	.8034053	5.750889	.5918376	.9738917	.4356367	3.235790	.6720786
#1	.0057246	.0045300	100.9727	.1142634	.1058375	.1886582	177.6912
#2	.0057758	.0045870	101.9488	.1160718	.1049202	.1955447	180.0667
#3	.0056839	.0050255	100.8584	.1163280	.1053481	.2012701	178.5646

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.417718	37.18734	.2184561	-.006226	.5234871	.1853200	.6423912
Stddev	.046366	.35743	.0007577	.000749	.5598788	.0015998	.0036075
%RSD	.5508153	.9611519	.3468635	12.02620	106.9518	.8632829	.5615732
#1	8.367728	36.90667	.2187860	-.005430	1.088719	.1839482	.6382941
#2	8.459313	37.58973	.2189931	-.006331	-.030881	.1870774	.6437882
#3	8.426113	37.06564	.2175894	-.006916	.512624	.1849344	.6450912

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.776261	8.105097	-.085338	.0033532	2.700339	9.269933	.0341938
Stddev	.157425	.007110	.004342	.0004653	.007491	.098353	.0003138
%RSD	2.323183	.0877209	5.087875	13.87680	.2773929	1.060986	.9175997
#1	6.608152	8.113254	-.081567	.0034393	2.704481	9.156752	.0341209
#2	6.920209	8.100216	-.084362	.0037694	2.704843	9.334635	.0339229
#3	6.800422	8.101820	-.090084	.0028508	2.691692	9.318411	.0345376

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-12 Acquired: 12/14/2024 17:14:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJD8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.243004	-.010796	.0928814
Stddev	.003099	.000516	.0036219
%RSD	.2493473	4.781220	3.899462
#1	1.246533	-.010317	.0954369
#2	1.240723	-.011343	.0944706
#3	1.241757	-.010729	.0887366

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2257.133	27944.77	2558.486	1950.715	2613.844
Stddev	7.208	96.88	21.597	1.885	8.229
%RSD	.3193524	.3466782	.8441335	.0966529	.3148247
#1	2249.613	28054.31	2583.340	1952.810	2606.162
#2	2257.805	27870.36	2547.826	1950.180	2612.841
#3	2263.982	27909.62	2544.291	1949.155	2622.529

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCV018 Acquired: 12/14/2024 17:31:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV018 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.877363**	**5.156593**	**24.06225**	**4.656923**	**4.693419**	**418.3785**	**10.52874**
Stddev	.011862	.007941	.04673	.012465	.004480	4.3380	.10386
%RSD	.2432139	.1539882	.1942099	.2676629	.0954562	1.036872	.9864826
#1	4.864545	5.161494	24.10425	4.653868	4.698415	413.4119	10.40993
#2	4.879589	5.160853	24.07060	4.670632	4.692083	421.4256	10.60235
#3	4.887954	5.147432	24.01191	4.646271	4.689759	420.2981	10.57392

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4712121**	**2.387678**	**407.9648**	**14.67279**	**2.293165**	**15.30334**	**414.0863**
Stddev	.0071519	.004972	4.5666	.02605	.005275	.18308	5.0752
%RSD	1.517765	.2082455	1.119362	.1775202	.2300317	1.196317	1.225633
#1	.4641556	2.392619	402.7869	14.70212	2.299092	15.09214	408.2336
#2	.4784557	2.387741	411.4175	14.66386	2.291419	15.41683	417.2713
#3	.4710250	2.382675	409.6901	14.65238	2.288985	15.40105	416.7540

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.13208**	**385.1496**	**2.376107**	**1.247677**	**400.6717**	**2.519064**	**14.01661**
Stddev	.18212	4.8747	.006181	.003258	4.2913	.034697	.03595
%RSD	1.203547	1.265661	.2601152	.2611196	1.071029	1.377360	.2564462
#1	14.92432	379.5526	2.382317	1.251151	395.7806	2.480102	14.05187
#2	15.26415	388.4658	2.376049	1.244689	402.4295	2.546626	13.98002
#3	15.20777	387.4304	2.369956	1.247192	403.8050	2.530464	14.01795

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**153.4268**	**4.836127**	**4.621998**	**4.875842**	**4.723466**	**4.900762**	**4.946138**
Stddev	1.5095	.014167	.070331	.007045	.020429	.062066	.006945
%RSD	.9838537	.2929504	1.521653	.1444826	.4325064	1.266452	.1404195
#1	151.6841	4.851959	4.548227	4.873404	4.740432	4.838466	4.945490
#2	154.3244	4.831779	4.688291	4.883782	4.729177	4.962595	4.953385
#3	154.2720	4.824644	4.629477	4.870340	4.700788	4.901225	4.939539

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCV018 Acquired: 12/14/2024 17:31:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV018 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	**5.100500**	**4.679315**	**5.294994**
Stddev	.059650	.056203	.050869
%RSD	1.169490	1.201094	.9607066
#1	5.032565	4.614420	5.236395
#2	5.144301	4.712262	5.327797
#3	5.124635	4.711262	5.320791

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1616.585**	**22044.61**	**2142.765**	**1450.893**	**2228.501**
Stddev	4.567	125.89	18.145	5.738	9.708
%RSD	.2825308	.5710794	.8468242	.3955047	.4356374
#1	1613.444	21980.99	2163.277	1444.276	2219.088
#2	1614.487	22189.62	2128.807	1454.493	2227.936
#3	1621.825	21963.23	2136.212	1453.911	2238.479

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCB018 Acquired: 12/14/2024 17:35:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB018 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001285**	**-.001764**	**.0030278**	**.0032350**	**-.001094**	**.0075422**	**-.001889**
Stddev	.002840	.001659	.0021755	.0011638	.002175	.0114898	.000842
%RSD	221.0418	94.05365	71.85069	35.97633	198.8511	152.3404	44.58579
#1	-.004464	-.001031	.0052509	.0023661	-.000543	-.003129	-.002105
#2	.001004	-.000597	.0029292	.0027817	.000753	.006050	-.002603
#3	-.000395	-.003663	.0009033	.0045573	-.003491	.019705	-.000960

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000070**	**-.000124**	**-.033422**	**.0003349**	**.0000556**	**-.004639**	**-.019518**
Stddev	.000113	.000027	.029174	.0010381	.0002757	.007137	.036429
%RSD	160.2727	22.03732	87.29030	309.9186	495.6057	153.8359	186.6487
#1	.000002	-.000112	-.059821	.0005118	-.000262	-.008005	-.008641
#2	-.000200	-.000105	-.038345	.0012732	.000191	-.009471	-.060146
#3	-.000013	-.000155	-.002100	-.000780	.000237	.003558	.010235

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.002199**	**.0186548**	**-.000511**	**.0026776**	**-.023633**	**.0049615**	**-.001261**
Stddev	.001595	.0160849	.000651	.0014033	1.063357	.0101805	.003327
%RSD	72.51138	86.22345	127.2096	52.40719	4499.480	205.1909	263.8323
#1	-.003075	.0363992	-.001259	.0016902	.518018	.0024280	.000893
#2	-.003164	.0050313	-.000203	.0020587	.659842	.0161694	.000417
#3	-.000359	.0145340	-.000073	.0042839	-1.24876	-.003713	-.005093

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5368055**	**-.001894**	**.0111460**	**.0007969**	**-.009925**	**-.033581**	**.0003115**
Stddev	.0843830	.001359	.0014355	.0006098	.002003	.001222	.0014672
%RSD	15.71947	71.73165	12.87884	76.52065	20.18182	3.639043	470.9808
#1	.6189247	-.003461	.0121433	.0007535	-.010394	-.034409	.0005488
#2	.5411641	-.001187	.0095008	.0002100	-.011652	-.034157	.0016456
#3	.4503277	-.001035	.0117940	.0014272	-.007729	-.032178	-.001260

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCB018 Acquired: 12/14/2024 17:35:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB018 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.002714	.0002641	.0021479
Stddev	.000660	.0002253	.0040091
%RSD	24.32390	85.32253	186.6569
#1	-.002744	.0002437	.0028266
#2	-.002040	.0004989	.0057743
#3	-.003359	.0000496	-.002157

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1961.042	24320.41	2172.506	1691.374	2765.672
Stddev	9.757	562.82	26.905	36.304	16.113
%RSD	.4975593	2.314203	1.238412	2.146430	.5825908
#1	1959.373	24969.20	2145.023	1733.282	2763.538
#2	1952.227	23963.13	2198.792	1669.541	2750.733
#3	1971.527	24028.92	2173.702	1671.298	2782.746

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-13 Acquired: 12/14/2024 17:39:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJD9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1191921	.0132993	1.169017	.0158988	.0341041	91.98167	.9339558
Stddev	.0009575	.0039403	.003455	.0057420	.0018053	.05396	.0007062
%RSD	.8033379	29.62809	.2955126	36.11632	5.293545	.0586670	.0756125
#1	.1182292	.0129051	1.165466	.0191859	.0360606	91.93871	.9331443
#2	.1201441	.0095709	1.169220	.0092685	.0337489	92.04223	.9342927
#3	.1192030	.0174218	1.172366	.0192419	.0325028	91.96406	.9344305

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0069457	.0059238	101.7482	.1255354	.1292165	.1978263	212.2038
Stddev	.0000338	.0001989	.1675	.0023084	.0008688	.0017693	.4641
%RSD	.4872710	3.358246	.1645875	1.838815	.6723810	.8943817	.2187152
#1	.0069771	.0057249	101.5588	.1229235	.1291871	.1962707	212.0782
#2	.0069501	.0061227	101.8768	.1263811	.1283628	.1974570	212.7178
#3	.0069099	.0059239	101.8090	.1273017	.1300997	.1997511	211.8154

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.50339	41.29526	.2489471	-.008613	.5572554	.2344555	.6508242
Stddev	.02249	.08041	.0014983	.000683	.2810434	.0170917	.0132675
%RSD	.2141032	.1947209	.6018604	7.934030	50.43350	7.289972	2.038572
#1	10.50015	41.32034	.2476676	-.008324	.7383246	.2465324	.6609660
#2	10.52732	41.36015	.2485784	-.009394	.6999501	.2419351	.6358092
#3	10.48269	41.20530	.2505954	-.008122	.2334916	.2148990	.6556975

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.757898	8.973602	-.089327	.0036163	1.701687	8.905825	.0397803
Stddev	.080775	.047287	.004086	.0005033	.014655	.019810	.0021315
%RSD	1.041200	.5269586	4.574362	13.91820	.8612263	.2224341	5.358084
#1	7.821886	8.925211	-.086978	.0041812	1.685997	8.884102	.0419617
#2	7.667135	8.975891	-.086958	.0032154	1.704043	8.922892	.0396766
#3	7.784673	9.019702	-.094046	.0034525	1.715022	8.910481	.0377025

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-13 Acquired: 12/14/2024 17:39:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJD9 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.467525	-.037780	.1247443
Stddev	.007770	.000483	.0042926
%RSD	.5294808	1.278582	3.441120
#1	1.468629	-.037693	.1296979
#2	1.474685	-.038300	.1224173
#3	1.459263	-.037346	.1221177

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2394.216	29552.51	2729.280	2054.642	2609.867
Stddev	9.269	43.63	7.750	3.864	9.025
%RSD	.3871257	.1476222	.2839715	.1880495	.3457969
#1	2401.998	29597.69	2720.923	2057.788	2618.458
#2	2396.687	29549.22	2736.232	2055.808	2610.680
#3	2383.962	29510.63	2730.686	2050.329	2600.463

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-14 Acquired: 12/14/2024 17:42:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJE0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1994719	.0247559	8.444405	.0197782	.0311166	69.92256	1.511386
Stddev	.0028520	.0029679	.083075	.0019426	.0016661	.29536	.007252
%RSD	1.429796	11.98847	.9837858	9.821769	5.354218	.4224057	.4798521
#1	.1964696	.0231141	8.408213	.0181059	.0326059	69.70776	1.504408
#2	.1998010	.0281819	8.539437	.0219090	.0293173	70.25938	1.518885
#3	.2021451	.0229717	8.385567	.0193197	.0314265	69.80054	1.510864

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065299	.0054461	171.7963	.0909169	.1340290	.3765582	218.0058
Stddev	.0001158	.0001310	.3670	.0002748	.0017028	.0132628	.6576
%RSD	1.774023	2.404514	.2136333	.3022576	1.270466	3.522113	.3016318
#1	.0064988	.0053062	171.7374	.0910784	.1336367	.3918700	217.3732
#2	.0064328	.0054661	172.1892	.0905996	.1358937	.3691555	218.6858
#3	.0066581	.0055658	171.4624	.0910727	.1325566	.3686492	217.9585

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.75281	26.02350	.1912795	-.007296	.3227122	.2108732	.5985059
Stddev	.04268	.04079	.0023389	.000476	.4015885	.0049036	.0112313
%RSD	.2547418	.1567257	1.222792	6.520357	124.4417	2.325364	1.876560
#1	16.72357	26.03551	.1908988	-.007166	.6843027	.2055108	.5902154
#2	16.80178	25.97806	.1937855	-.006900	.3933380	.2151288	.6112879
#3	16.73307	26.05693	.1891543	-.007824	-.109504	.2119799	.5940144

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.141311	6.465065	-.096797	.0059067	2.399705	9.475127	.0474197
Stddev	.067304	.047822	.001514	.0005007	.020903	.008797	.0022042
%RSD	.9424548	.7397013	1.564249	8.475963	.8710467	.0928414	4.648252
#1	7.135280	6.438318	-.095293	.0053593	2.391682	9.464973	.0448903
#2	7.077227	6.520276	-.098321	.0060196	2.423430	9.480430	.0484391
#3	7.211428	6.436600	-.096778	.0063414	2.384002	9.479978	.0489297

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-14 Acquired: 12/14/2024 17:42:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJE0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.161867	.0320615	.1027783
Stddev	.007904	.0011710	.0026511
%RSD	.6802964	3.652277	2.579454
#1	1.156894	.0320881	.1027451
#2	1.170982	.0332189	.1054458
#3	1.157726	.0308774	.1001439

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2321.602	28599.21	2641.515	1990.418	2578.128
Stddev	16.577	133.54	2.397	10.524	23.541
%RSD	.7140433	.4669527	.0907314	.5287300	.9130879
#1	2327.579	28505.96	2644.178	1990.308	2585.100
#2	2302.866	28539.47	2639.530	1979.950	2551.889
#3	2334.363	28752.19	2640.839	2000.997	2597.396

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-15 Acquired: 12/14/2024 17:46:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJE1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1346054	.0353389	2.776334	.0189162	.0284550	79.55042	1.180330
Stddev	.0053159	.0028462	.021928	.0010310	.0004958	.04309	.001194
%RSD	3.949251	8.054110	.7898044	5.450633	1.742395	.0541659	.1011462
#1	.1348735	.0379385	2.796617	.0200614	.0279521	79.55152	1.179159
#2	.1291604	.0357804	2.779317	.0186256	.0284694	79.59295	1.180286
#3	.1397821	.0322977	2.753067	.0180617	.0289434	79.50679	1.181546

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062241	.0053325	222.4669	.0928727	.1294239	.3027044	206.5356
Stddev	.0001794	.0001701	.5777	.0007571	.0008839	.0055950	.0294
%RSD	2.881638	3.189805	.2596620	.8152192	.6829803	1.848349	.0142533
#1	.0063698	.0054344	222.6843	.0937271	.1303711	.3066514	206.5484
#2	.0062787	.0054270	222.9043	.0926055	.1292793	.2963014	206.5020
#3	.0060238	.0051361	221.8121	.0922853	.1286211	.3051604	206.5565

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	22.94763	26.77611	.1539562	-.005135	.7464950	.1951797	.3253659
Stddev	.02771	.03522	.0015130	.000726	.7816860	.0037607	.0075045
%RSD	.1207398	.1315370	.9827767	14.13871	104.7142	1.926793	2.306484
#1	22.96758	26.81126	.1537341	-.005032	1.574673	.1949179	.3234939
#2	22.91599	26.74082	.1555680	-.004466	.643251	.1915567	.3189746
#3	22.95931	26.77626	.1525664	-.005907	.021562	.1990644	.3336292

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.255527	7.107051	-.087241	.0007082	1.752530	9.606811	.0317181
Stddev	.045917	.068113	.001295	.0003734	.011534	.063678	.0003811
%RSD	.6328546	.9583858	1.484348	52.72054	.6581459	.6628418	1.201419
#1	7.258885	7.158062	-.087580	.0003382	1.759200	9.541277	.0318114
#2	7.299673	7.133388	-.088332	.0010849	1.759178	9.668455	.0320438
#3	7.208024	7.029701	-.085810	.0007015	1.739211	9.610700	.0312990

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-15 Acquired: 12/14/2024 17:46:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJE1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.073606	.0721672	.0777388
Stddev	.004123	.0007439	.0036020
%RSD	.3839986	1.030825	4.633422
#1	1.078307	.0728156	.0736230
#2	1.070606	.0713550	.0803156
#3	1.071904	.0723309	.0792777

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2400.570	29367.06	2720.255	2045.011	2595.645
Stddev	17.418	80.41	9.273	8.352	20.431
%RSD	.7255711	.2738101	.3408873	.4083968	.7871311
#1	2385.461	29458.11	2729.453	2050.578	2578.576
#2	2396.628	29337.28	2710.909	2049.048	2590.076
#3	2419.621	29305.79	2720.402	2035.408	2618.283

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-16 Acquired: 12/14/2024 17:50:37 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJE2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1310864**	**.0334811**	**1.690376**	**.0221753**	**.0349505**	**92.91045**	**1.114737**
Stddev	.0024189	.0024755	.031044	.0033387	.0019986	.75963	.008261
%RSD	1.845290	7.393614	1.836527	15.05580	5.718377	.8175949	.7411101
#1	.1324777	.0326041	1.700066	.0259970	.0333922	92.06771	1.105543
#2	.1324883	.0362757	1.715419	.0198257	.0372038	93.12118	1.117133
#3	.1282933	.0315636	1.655642	.0207032	.0342553	93.54247	1.121536

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0072048**	**.0058068**	**190.0645**	**.1001127**	**.1475174**	**.2763479**	**231.3090**
Stddev	.0002344	.0003172	1.5976	.0038901	.0031375	.0027686	2.0996
%RSD	3.253191	5.462478	.8405689	3.885685	2.126868	1.001844	.9076961
#1	.0069442	.0058647	188.2496	.1025771	.1488806	.2795446	228.9473
#2	.0073984	.0060910	190.6858	.0956282	.1497428	.2747202	232.0158
#3	.0072717	.0054646	191.2581	.1021329	.1439289	.2747789	232.9641

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.53807**	**27.80416**	**.1649761**	**-.005267**	**.4272214**	**.2189472**	**.3554773**
Stddev	.19281	.28598	.0037075	.002441	.8452368	.0107026	.0084721
%RSD	.8554651	1.028549	2.247294	46.35003	197.8451	4.888189	2.383311
#1	22.31827	27.47827	.1681435	-.007843	1.394408	.2067166	.3584245
#2	22.61729	27.92096	.1658868	-.002988	-.169678	.2235280	.3459252
#3	22.67864	28.01325	.1608982	-.004968	.056934	.2265969	.3620822

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.599761**	**7.071555**	**-.119007**	**-.000083**	**1.887911**	**7.512203**	**.0325314**
Stddev	.080643	.145897	.005265	.000422	.037758	.067043	.0021388
%RSD	1.221915	2.063159	4.423961	510.6042	1.999962	.8924541	6.574604
#1	6.563205	7.096549	-.121414	-.000566	1.889712	7.505567	.0312778
#2	6.543870	7.203341	-.112968	.000211	1.924736	7.448725	.0350010
#3	6.692209	6.914775	-.122637	.000107	1.849285	7.582318	.0313155

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-16 Acquired: 12/14/2024 17:50:37 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJE2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.029767	.0549300	.0816559
Stddev	.008818	.0006574	.0046622
%RSD	.8562899	1.196798	5.709524
#1	1.020261	.0553983	.0832222
#2	1.037679	.0552131	.0764123
#3	1.031361	.0541784	.0853332

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2381.160	29656.86	2753.332	2065.910	2548.878
Stddev	25.323	711.44	7.101	53.178	46.033
%RSD	1.063481	2.398892	.2579129	2.574079	1.805998
#1	2371.127	29304.33	2757.544	2033.977	2535.310
#2	2362.391	30475.72	2757.319	2127.299	2511.154
#3	2409.963	29190.53	2745.134	2036.455	2600.170

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-17 Acquired: 12/14/2024 17:54:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJE3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1059781**	**.0112380**	**.3500493**	**.0439009**	**.0464185**	**100.6961**	**.8602785**
Stddev	.0032215	.0032507	.0019285	.0034671	.0039859	2.7154	.0242759
%RSD	3.039777	28.92625	.5509316	7.897626	8.586816	2.696627	2.821865
#1	.1043712	.0129739	.3478531	.0436357	.0426017	99.1834	.8489803
#2	.1038761	.0074878	.3514667	.0405739	.0460997	99.0740	.8437109
#3	.1096869	.0132523	.3508280	.0474930	.0505543	103.8310	.8881443

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0082621**	**.0049316**	**38.09657**	**.0991034**	**.1371421**	**.1488752**	**245.6643**
Stddev	.0001638	.0001470	1.00937	.0018659	.0016330	.0040841	6.8106
%RSD	1.982308	2.981552	2.649494	1.882784	1.190716	2.743318	2.772321
#1	.0082107	.0050192	37.49181	.0976384	.1382808	.1441598	242.2020
#2	.0081301	.0050138	37.53610	.0984678	.1378743	.1511744	241.2804
#3	.0084454	.0047618	39.26181	.1012041	.1352711	.1512914	253.5105

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.55056**	**20.57900**	**.1418061**	**-.007402**	**.3984342**	**.2386464**	**.2490042**
Stddev	.51965	.53816	.0006632	.001291	.5733440	.0124948	.0051843
%RSD	2.801247	2.615111	.4676717	17.44212	143.8993	5.235700	2.082004
#1	18.28397	20.27920	.1420419	-.006484	-.021977	.2305747	.2486523
#2	18.21831	20.25750	.1423191	-.008878	.165736	.2323259	.2440049
#3	19.14940	21.20029	.1410572	-.006842	1.051544	.2530387	.2543555

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.590629**	**2.527292**	**-.150605**	**.0009745**	**.7018840**	**10.07114**	**.0274223**
Stddev	.186459	.008376	.002308	.0006409	.0036763	.25195	.0006526
%RSD	4.061725	.3314194	1.532181	65.76789	.5237781	2.501660	2.379702
#1	4.548420	2.532079	-.151190	.0003013	.7037775	9.92716	.0276321
#2	4.428893	2.532176	-.148062	.0010448	.7042276	9.92420	.0266907
#3	4.794574	2.517620	-.152564	.0015773	.6976469	10.36206	.0279442

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-17 Acquired: 12/14/2024 17:54:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJE3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.082566	-.120561	.0626740
Stddev	.028205	.002860	.0014722
%RSD	2.605415	2.372089	2.349031
#1	1.066183	-.118915	.0609823
#2	1.066381	-.118904	.0633744
#3	1.115135	-.123863	.0636653

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2395.963	29673.97	2652.442	2083.471	2647.099
Stddev	7.181	546.39	55.745	42.417	13.588
%RSD	.2997123	1.841304	2.101664	2.035873	.5133338
#1	2388.003	29985.76	2672.912	2109.597	2633.235
#2	2397.932	29993.07	2695.059	2106.286	2647.667
#3	2401.954	29043.07	2589.356	2034.529	2660.394

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-18 Acquired: 12/14/2024 17:58:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJE4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1182387**	**.0095112**	**.2744739**	**.0442438**	**.0520886**	**97.23727**	**.8947271**
Stddev	.0021281	.0015444	.0033910	.0021569	.0018107	.66455	.0047440
%RSD	1.799862	16.23788	1.235469	4.875155	3.476203	.6834269	.5302121
#1	.1206407	.0111616	.2761339	.0424388	.0540199	97.86141	.8996845
#2	.1165886	.0081009	.2767151	.0436601	.0518167	97.31181	.8942667
#3	.1174867	.0092710	.2705726	.0466326	.0504292	96.53860	.8902302

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0086148**	**.0068620**	**32.52572**	**.0980527**	**.1291503**	**.1939136**	**282.0007**
Stddev	.0002327	.0001726	.24445	.0016681	.0018513	.0038911	2.1764
%RSD	2.701617	2.515949	.7515477	1.701256	1.433417	2.006633	.7717615
#1	.0087945	.0069825	32.70006	.0997831	.1312234	.1947473	284.2968
#2	.0083519	.0069393	32.63079	.0979203	.1285654	.1973204	281.7372
#3	.0086980	.0066642	32.24630	.0964547	.1276622	.1896733	279.9681

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.01317**	**21.46388**	**.1778839**	**-.010215**	**.3326036**	**.2601432**	**.2338455**
Stddev	.11387	.10943	.0019377	.001932	.2982328	.0022658	.0088428
%RSD	.5988842	.5098397	1.089281	18.91104	89.66613	.8709904	3.781484
#1	19.12098	21.57288	.1800293	-.009217	-.011422	.2626866	.2387182
#2	19.02445	21.46475	.1773612	-.012442	.491290	.2583400	.2391801
#3	18.89409	21.35402	.1762612	-.008987	.517943	.2594030	.2236381

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.938659**	**2.247186**	**-.181752**	**.0008409**	**.6274648**	**8.278400**	**.0284789**
Stddev	.081929	.032690	.006748	.0002767	.0074169	.054790	.0030411
%RSD	1.379594	1.454717	3.712997	32.90406	1.182049	.6618482	10.67825
#1	5.851745	2.284902	-.183795	.0011566	.6359980	8.340226	.0271100
#2	6.014471	2.229664	-.174218	.0007260	.6238297	8.235860	.0263630
#3	5.949762	2.226992	-.187243	.0006402	.6225666	8.259114	.0319639

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-18 Acquired: 12/14/2024 17:58:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJE4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8219971	-.187055	.0671450
Stddev	.0086704	.001425	.0023027
%RSD	1.054799	.7619957	3.429419
#1	.8300205	-.188455	.0681464
#2	.8231714	-.187104	.0645112
#3	.8127993	-.185606	.0687775

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2812.704	34376.05	3122.665	2407.194	2678.371
Stddev	16.718	565.15	19.605	42.432	29.315
%RSD	.5943651	1.644033	.6278224	1.762700	1.094498
#1	2794.305	33883.59	3101.831	2373.403	2644.564
#2	2816.845	34251.47	3140.750	2393.363	2693.794
#3	2826.962	34993.10	3125.415	2454.815	2696.754

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-22 Acquired: 12/14/2024 18:02:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0682537**	**.0177676**	**.6733049**	**-.009406**	**.0262238**	**105.2933**
Stddev	.0008591	.0017533	.0023183	.007584	.0007678	.9247
%RSD	1.258718	9.868004	.3443234	80.62826	2.927969	.8782139
#1	.0682873	.0180116	.6738486	-.015955	.0268928	105.7335
#2	.0673783	.0159051	.6753031	-.001097	.0263932	104.2308
#3	.0690956	.0193862	.6707631	-.011165	.0253855	105.9157

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.519327**	**.0080865**	**.0095825**	F **870.7832**	**.1534165**	**.1299030**
Stddev	.015009	.0001577	.0001380	7.6409	.0018998	.0007460
%RSD	.9878533	1.949782	1.439872	.8774773	1.238342	.5742449
#1	1.529325	.0079046	.0094689	871.1597	.1533306	.1291206
#2	1.502068	.0081728	.0097360	862.9610	.1553577	.1299823
#3	1.526587	.0081823	.0095425	878.2289	.1515610	.1306062

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2285819**	**223.1109**	**6.779719**	**359.8008**	**.2819221**	**-.008859**
Stddev	.0065093	2.0843	.058043	3.1140	.0012326	.001860
%RSD	2.847706	.9342207	.8561208	.8654751	.4372133	20.99986
#1	.2227525	223.5914	6.810835	360.4442	.2808546	-.006965
#2	.2356057	220.8283	6.712753	356.4154	.2832711	-.010683
#3	.2273874	224.9131	6.815569	362.5429	.2816407	-.008929

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.018880**	**.2068743**	**1.565770**	**15.42701**	**7.973905**	**-.065896**
Stddev	.861716	.0041963	.022666	.39428	.022404	.005053
%RSD	84.57484	2.028404	1.447576	2.555808	.2809705	7.668709
#1	1.452783	.2027047	1.572354	15.55336	7.966194	-.067293
#2	1.577396	.2068215	1.584415	14.98504	7.999147	-.070105
#3	.026460	.2110967	1.540541	15.74263	7.956375	-.060292

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4941-22 Acquired: 12/14/2024 18:02:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044274	12.18080	15.16908	.0390600	.9747451	.8138437
Stddev	.0004562	.05028	.07928	.0028294	.0113647	.0062185
%RSD	10.30398	.4127674	.5226557	7.243682	1.165911	.7640959
#1	.0047182	12.17311	15.26062	.0368098	.9810165	.8174842
#2	.0039016	12.23448	15.12234	.0422364	.9616266	.8066634
#3	.0046624	12.13481	15.12428	.0381337	.9815923	.8173835

Elem	Li6707
Units	ppm
Avg	.1683686
Stddev	.0048984
%RSD	2.909310
#1	.1739870
#2	.1649947
#3	.1661241

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2002.229	24815.04	2359.300	1724.517	2253.676
Stddev	4.401	207.17	18.558	18.057	8.037
%RSD	.2197971	.8348579	.7866078	1.047054	.3566338
#1	2001.842	24686.36	2354.223	1715.501	2253.636
#2	1998.034	24704.72	2379.869	1712.745	2245.659
#3	2006.811	25054.02	2343.809	1745.307	2261.734

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-01 Acquired: 12/14/2024 18:05:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ70 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0470875**	**.0295580**	**1.217906**	**-.025808**	**.0014868**	**35.58229**
Stddev	.0053307	.0057761	.029993	.001258	.0038025	.04745
%RSD	11.32084	19.54178	2.462707	4.875815	255.7435	.1333390
#1	.0532397	.0228893	1.231090	-.027126	-.001462	35.52947
#2	.0438405	.0327882	1.239049	-.025679	.005779	35.62128
#3	.0441823	.0329963	1.183579	-.024619	.000144	35.59612

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4420749**	**.0031484**	**.0074227**	F **1040.195**	**.0951872**	**.0835944**
Stddev	.0025976	.0001214	.0002043	1.574	.0011917	.0023515
%RSD	.5875866	3.856300	2.751985	.1513339	1.252000	2.812939
#1	.4391394	.0031666	.0075794	1039.870	.0947077	.0834281
#2	.4430095	.0032597	.0074969	1038.808	.0943099	.0860246
#3	.4440759	.0030189	.0071916	1041.906	.0965440	.0813305

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2297865**	**113.5684**	**8.766872**	**536.1000**	**.1769814**	**-.001428**
Stddev	.0021563	.4258	.020218	1.2126	.0040789	.001165
%RSD	.9384075	.3749291	.2306157	.2261853	2.304683	81.61964
#1	.2310269	113.2962	8.746182	534.8037	.1802021	-.001414
#2	.2272966	113.3499	8.767854	536.2899	.1783472	-.002600
#3	.2310361	114.0591	8.786581	537.2064	.1723949	-.000269

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.047787**	**.0895793**	**1.532324**	**7.498172**	**6.114281**	**-.002017**
Stddev	.311874	.0031467	.013231	.041713	.113623	.001364
%RSD	29.76507	3.512738	.8634445	.5563094	1.858321	67.59796
#1	1.210267	.0899861	1.534869	7.476839	6.175276	-.000921
#2	.688220	.0925028	1.544098	7.471441	6.184382	-.001586
#3	1.244874	.0862490	1.518006	7.546237	5.983186	-.003544

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-01 Acquired: 12/14/2024 18:05:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ70 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013214	16.10750	9.895089	.0836048	.6057165	.3374934
Stddev	.0002909	.33852	.030249	.0013512	.0017476	.0017665
%RSD	22.01314	2.101626	.3057002	1.616115	.2885260	.5234220
#1	.0010835	16.24727	9.915463	.0847327	.6076640	.3354632
#2	.0012351	16.35375	9.860332	.0839745	.6052009	.3383380
#3	.0016457	15.72148	9.909472	.0821073	.6042847	.3386791

Elem	Li6707
Units	ppm
Avg	.0547875
Stddev	.0021114
%RSD	3.853786
#1	.0571748
#2	.0531655
#3	.0540221

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1893.282	23417.88	2238.870	1604.651	2225.136
Stddev	30.744	134.66	3.145	14.825	41.180
%RSD	1.623827	.5750125	.1404537	.9238478	1.850665
#1	1881.369	23539.47	2235.631	1605.228	2207.749
#2	1870.278	23273.15	2239.067	1589.546	2195.501
#3	1928.199	23441.01	2241.911	1619.179	2272.157

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-02 Acquired: 12/14/2024 18:09:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ71 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0486098**	**.0368864**	**.9282392**	**-.031374**	**-.003663**	**26.07763**
Stddev	.0019911	.0030282	.0168047	.002313	.003804	.42592
%RSD	4.096076	8.209542	1.810386	7.372179	103.8564	1.633274
#1	.0498250	.0357336	.9131588	-.032337	-.003858	26.51365
#2	.0496924	.0346039	.9463546	-.033050	-.007367	25.66258
#3	.0463119	.0403217	.9252042	-.028735	.000235	26.05668

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3224449**	**.0024596**	**.0085390**	F **1504.656**	**.0725097**	**.0874089**
Stddev	.0064328	.0000465	.0003072	38.997	.0006642	.0015914
%RSD	1.995021	1.890516	3.597211	2.591766	.9159879	1.820605
#1	.3291432	.0024550	.0082193	1541.360	.0719068	.0855786
#2	.3163152	.0024155	.0088319	1463.712	.0732217	.0881829
#3	.3218762	.0025082	.0085660	1508.895	.0724006	.0884652

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1578099**	**107.6794**	**11.01822**	F **811.1444**	**.1431509**	**-.002298**
Stddev	.0047060	2.3528	.21387	17.1489	.0020898	.000921
%RSD	2.982070	2.184981	1.941033	2.114157	1.459823	40.07611
#1	.1618063	110.2967	11.24702	829.4256	.1422052	-.001932
#2	.1590005	105.7399	10.82334	795.4135	.1455463	-.003345
#3	.1526230	107.0016	10.98431	808.5940	.1417012	-.001616

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.243632**	**.0790460**	**1.672312**	**6.352362**	**5.262870**	**.0134206**
Stddev	.383087	.0025803	.005530	.258080	.080744	.0022112
%RSD	30.80386	3.264358	.3306776	4.062742	1.534220	16.47592
#1	1.186897	.0819155	1.677761	6.649839	5.206155	.0159727
#2	.892077	.0769165	1.666705	6.218978	5.355315	.0122093
#3	1.651922	.0783061	1.672470	6.188269	5.227141	.0120797

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-02 Acquired: 12/14/2024 18:09:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ71 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000617	19.48609	9.408905	.0622169	.3848492	.4345700
Stddev	.000231	.31988	.206002	.0007842	.0072033	.0085002
%RSD	37.48517	1.641577	2.189440	1.260415	1.871732	1.956006
#1	-.000415	19.25281	9.604042	.0621529	.3930648	.4432958
#2	-.000869	19.85074	9.193531	.0630311	.3796163	.4263149
#3	-.000566	19.35472	9.429144	.0614666	.3818664	.4340992

Elem	Li6707
Units	ppm
Avg	.0461985
Stddev	.0021923
%RSD	4.745338
#1	.0482691
#2	.0439021
#3	.0464244

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1820.943	22858.33	2212.349	1562.369	2107.319
Stddev	22.907	46.42	45.106	9.162	31.047
%RSD	1.257952	.2030832	2.038839	.5863917	1.473304
#1	1836.864	22910.34	2174.796	1563.547	2131.122
#2	1794.691	22821.08	2262.381	1570.884	2072.201
#3	1831.276	22843.58	2199.871	1552.675	2118.634

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-03 Acquired: 12/14/2024 18:13:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ72 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0566513	.0384478	.8134519	-.036348	-.003145	23.92418
Stddev	.0050455	.0043690	.0081111	.003007	.001417	1.24428
%RSD	8.906202	11.36357	.9971157	8.273193	45.05238	5.200913
#1	.0605550	.0350890	.8169237	-.036075	-.001627	23.71207
#2	.0584447	.0368672	.8041828	-.033486	-.003376	25.26088
#3	.0509541	.0433871	.8192493	-.039482	-.004433	22.79960

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2687892	.0023397	.0142138	F 1942.243	.0627663	.0879416
Stddev	.0134781	.0002344	.0003123	85.998	.0017055	.0002894
%RSD	5.014366	10.01963	2.197329	4.427783	2.717287	.3290599
#1	.2664539	.0022166	.0144622	1932.699	.0636606	.0882602
#2	.2832824	.0026101	.0138632	2032.616	.0607996	.0876952
#3	.2566314	.0021925	.0143162	1861.415	.0638387	.0878694

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1379431	114.9138	14.02129	F 1048.415	.1164454	-.002094
Stddev	.0116167	6.0304	.78098	55.815	.0005990	.001075
%RSD	8.421377	5.247739	5.569934	5.323750	.5143634	51.36208
#1	.1396468	113.7231	13.87877	1038.684	.1164843	-.003303
#2	.1486139	121.4507	14.86370	1108.456	.1158279	-.001244
#3	.1255687	109.5676	13.32138	998.106	.1170239	-.001735

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.986394	.0739780	2.836803	8.620879	3.485452	.0311543
Stddev	.418399	.0058567	.031338	.684817	.041829	.0012080
%RSD	21.06326	7.916863	1.104683	7.943704	1.200110	3.877584
#1	1.616978	.0791434	2.838280	8.455748	3.500575	.0314017
#2	2.440744	.0751754	2.867377	9.373163	3.438164	.0322195
#3	1.901460	.0676150	2.804753	8.033726	3.517616	.0298417

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-03 Acquired: 12/14/2024 18:13:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ72 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002153	26.65848	8.464080	.0718217	.2771799	.5824337
Stddev	.000709	.26392	.416602	.0005973	.0170123	.0320824
%RSD	32.94178	.9900199	4.921999	.8315662	6.137649	5.508331
#1	-.002745	26.77156	8.387634	.0713502	.2763355	.5758451
#2	-.002347	26.35686	8.913611	.0724933	.2945987	.6172989
#3	-.001367	26.84703	8.090995	.0716216	.2606055	.5541571

Elem	Li6707
Units	ppm
Avg	.0545305
Stddev	.0041184
%RSD	7.552511
#1	.0519964
#2	.0592826
#3	.0523125

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1791.184	22025.33	2133.316	1497.398	2037.316
Stddev	17.580	162.39	108.234	12.789	20.041
%RSD	.9814515	.7372782	5.073517	.8540846	.9837128
#1	1783.343	21872.85	2144.126	1487.984	2028.920
#2	1811.320	22007.05	2020.083	1492.251	2060.190
#3	1778.890	22196.08	2235.740	1511.958	2022.838

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-04 Acquired: 12/14/2024 18:17:37 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ73 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0755482	.0091034	4.040541	.0190486	.0447397	149.8771	1.512343
Stddev	.0026050	.0023106	.065342	.0039528	.0026632	.8076	.006279
%RSD	3.448124	25.38197	1.617151	20.75088	5.952576	.5388621	.4151858
#1	.0742416	.0089089	3.965758	.0222838	.0456536	150.1909	1.514908
#2	.0785479	.0068962	4.086602	.0202193	.0417399	148.9596	1.505188
#3	.0738551	.0115052	4.069263	.0146428	.0468255	150.4807	1.516934

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0137829	.0152082	338.3681	.1831732	.1659340	1.415075	306.9313
Stddev	.0002611	.0004373	1.0815	.0139993	.0031623	.004361	1.0937
%RSD	1.894394	2.875413	.3196347	7.642663	1.905762	.3082148	.3563189
#1	.0135059	.0147036	338.7966	.1683182	.1627255	1.418728	306.9185
#2	.0138181	.0154785	337.1380	.1961214	.1690480	1.410246	305.8442
#3	.0140246	.0154423	339.1698	.1850799	.1660283	1.416250	308.0314

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.276471	154.5351	.3339320	-.012269	1.001571	.3217370	6.112107
Stddev	.029774	.8429	.0045375	.003439	.567915	.0025996	.418079
%RSD	.3597438	.5454541	1.358810	28.02809	56.70240	.8079979	6.840174
#1	8.295239	154.6014	.3289353	-.008870	1.240134	.3190794	5.670731
#2	8.242141	153.6610	.3377956	-.015746	.353288	.3218570	6.502147
#3	8.292034	155.3430	.3350650	-.012192	1.411293	.3242745	6.163444

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.07292	4.229171	-.135997	.0042579	5.639227	9.671564	1.076547
Stddev	.12554	.064322	.006605	.0008079	.095077	.137685	.015996
%RSD	.6581892	1.520919	4.856672	18.97523	1.685988	1.423602	1.485897
#1	19.20277	4.159769	-.131731	.0034623	5.544025	9.567544	1.058851
#2	18.95219	4.286781	-.132656	.0042338	5.734178	9.619450	1.089981
#3	19.06379	4.240964	-.143605	.0050776	5.639479	9.827699	1.080809

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-04 Acquired: 12/14/2024 18:17:37 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ73 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	**2.037200**	**.1103879**	**.2356282**
Stddev	.013836	.0009110	.0052959
%RSD	.6791791	.8252540	2.247568
#1	2.039994	.1098840	.2304489
#2	2.022180	.1098401	.2410335
#3	2.049426	.1114395	.2354022

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2189.477**	**28153.98**	**2556.420**	**1951.186**	**2416.048**
Stddev	28.712	1636.93	26.777	116.411	40.389
%RSD	1.311368	5.814193	1.047423	5.966175	1.671688
#1	2221.238	29889.77	2543.698	2078.509	2461.308
#2	2165.362	26638.17	2587.186	1850.199	2383.674
#3	2181.831	27933.99	2538.376	1924.850	2403.164

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-05 Acquired: 12/14/2024 18:21:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ74 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0687351**	**.0250299**	**4.219830**	**-.010414**	**.0185032**	**74.83490**
Stddev	.0047589	.0019328	.005814	.004932	.0055217	2.01053
%RSD	6.923583	7.722054	.1377877	47.35702	29.84216	2.686622
#1	.0716620	.0271802	4.225024	-.015166	.0130572	72.94897
#2	.0712994	.0244724	4.213549	-.010757	.0240977	76.95033
#3	.0632440	.0234371	4.220918	-.005320	.0183546	74.60538

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.698589**	**.0054637**	**.0167647**	F **810.2179**	**.1775245**	**.1151265**
Stddev	.047886	.0001181	.0001647	21.2517	.0035955	.0007535
%RSD	2.819187	2.162173	.9822570	2.622955	2.025327	.6545164
#1	1.655119	.0053276	.0169281	790.4233	.1742263	.1149960
#2	1.749919	.0055405	.0165988	832.6756	.1769898	.1144468
#3	1.690728	.0055229	.0167672	807.5548	.1813573	.1159368

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.588830**	**180.6721**	**8.255197**	**373.5077**	**.2412934**	**-.002534**
Stddev	.040589	5.2168	.209530	11.0979	.0009890	.001637
%RSD	2.554617	2.887421	2.538159	2.971267	.4098717	64.60765
#1	1.547673	175.8256	8.055370	363.2388	.2424301	-.003420
#2	1.628825	186.1934	8.473240	385.2811	.2408199	-.000645
#3	1.589993	179.9971	8.236981	372.0031	.2406302	-.003538

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9823229**	**.1650902**	**4.689406**	**9.662684**	**6.886331**	**-.053166**
Stddev	.3325116	.0034785	.046438	.357133	.029570	.003432
%RSD	33.84953	2.107000	.9902741	3.696005	.4293962	6.455610
#1	.8987384	.1615882	4.636196	9.360544	6.906127	-.052517
#2	1.348652	.1651376	4.710264	10.05681	6.900526	-.056876
#3	.699578	.1685447	4.721757	9.57070	6.852341	-.050105

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-05 Acquired: 12/14/2024 18:21:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ74 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035143	9.010347	11.90327	.8841831	1.251722	.3947054
Stddev	.0007030	.038122	.31818	.0017432	.045267	.0113878
%RSD	20.00284	.4230895	2.673011	.1971532	3.616413	2.885144
#1	.0027685	9.052498	11.62747	.8844659	1.211239	.3840399
#2	.0036098	9.000261	12.25138	.8823159	1.300599	.4066991
#3	.0041647	8.978283	11.83096	.8857677	1.243328	.3933773

Elem	Li6707
Units	ppm
Avg	.1133795
Stddev	.0071517
%RSD	6.307786
#1	.1093145
#2	.1216373
#3	.1091867

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1955.965	24180.92	2343.116	1675.373	2251.871
Stddev	4.433	372.56	62.757	20.888	7.434
%RSD	.2266322	1.540703	2.678344	1.246796	.3301141
#1	1951.972	24530.89	2404.797	1697.260	2245.445
#2	1955.188	24222.57	2279.336	1673.207	2250.157
#3	1960.735	23789.28	2345.215	1655.652	2260.013

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-06 Acquired: 12/14/2024 18:25:07 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ75 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2076853	.0200863	2.096595	.0251356	.0586488	83.35950
Stddev	.0048848	.0039714	.012881	.0065995	.0011887	1.86751
%RSD	2.351999	19.77175	.6143785	26.25549	2.026864	2.240308
#1	.2123698	.0162288	2.093077	.0246933	.0574504	82.64968
#2	.2026223	.0198674	2.110869	.0187683	.0586684	81.95096
#3	.2080639	.0241625	2.085838	.0319450	.0598276	85.47784

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.763170	.0091689	.0151489	292.1741	.1404046	.1625006
Stddev	.042005	.0002155	.0003382	6.1502	.0029067	.0007310
%RSD	2.382333	2.350173	2.232340	2.104975	2.070260	.4498438
#1	1.750078	.0090261	.0150990	289.6053	.1429948	.1628409
#2	1.729271	.0090640	.0155093	287.7247	.1409582	.1629994
#3	1.810162	.0094168	.0148385	299.1922	.1372609	.1616615

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.531786	335.1279	17.79943	102.9974	.3159648	-.013029
Stddev	.032877	7.3952	.40102	2.0237	.0026623	.000970
%RSD	2.146312	2.206668	2.252991	1.964784	.8425893	7.447641
#1	1.511565	332.2761	17.66592	102.3770	.3158336	-.013531
#2	1.514070	329.5831	17.48219	101.3566	.3186903	-.013644
#3	1.569721	343.5243	18.25017	105.2587	.3133706	-.011910

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8995930	.2314907	2.564557	11.78793	F 10.14575	-.160038
Stddev	.4920960	.0095251	.016700	.44624	.05957	.003131
%RSD	54.70208	4.114703	.6511814	3.785546	.5871170	1.956168
#1	.3867805	.2236176	2.581115	11.60573	10.12925	-.157257
#2	1.367957	.2287759	2.564838	11.46162	10.21184	-.163429
#3	.944042	.2420785	2.547719	12.29644	10.09618	-.159429

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-06 Acquired: 12/14/2024 18:25:07 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ75 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0088825	5.452204	10.55696	.2212268	1.269736	.1816609
Stddev	.0002371	.020779	.23406	.0015430	.028200	.0038054
%RSD	2.669430	.3811202	2.217084	.6974820	2.220902	2.094759
#1	.0091460	5.434718	10.47046	.2203888	1.261115	.1801482
#2	.0086864	5.475176	10.37846	.2230075	1.246853	.1788445
#3	.0088151	5.446719	10.82195	.2202841	1.301239	.1859900

Elem	Li6707
Units	ppm
Avg	.1040764
Stddev	.0021307
%RSD	2.047244
#1	.1032391
#2	.1024915
#3	.1064986

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2292.861	28124.86	2608.241	1948.938	2484.864
Stddev	13.988	399.26	51.462	22.245	17.569
%RSD	.6100856	1.419603	1.973050	1.141384	.7070330
#1	2289.883	27703.21	2622.429	1927.565	2483.606
#2	2280.602	28174.23	2651.120	1947.286	2467.958
#3	2308.099	28497.15	2551.173	1971.962	2503.028

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-07 Acquired: 12/14/2024 18:28:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ76 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2510936	.0290432	.5141627	.0288518	.0399286	85.09964
Stddev	.0042723	.0035739	.0120059	.0041881	.0008270	.22547
%RSD	1.701479	12.30538	2.335045	14.51590	2.071124	.2649503
#1	.2463283	.0315751	.5137861	.0328222	.0396284	85.31322
#2	.2523712	.0305995	.5263524	.0292578	.0408637	84.86391
#3	.2545814	.0249551	.5023494	.0244755	.0392936	85.12180

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8889728	.0078240	.0065802	149.9070	.1022869	.1748326
Stddev	.0027770	.0000334	.0002451	.4634	.0006630	.0032044
%RSD	.3123782	.4271287	3.724246	.3091292	.6482172	1.832818
#1	.8903914	.0077855	.0065320	150.2390	.1020914	.1757015
#2	.8857731	.0078449	.0068458	149.3776	.1030257	.1775130
#3	.8907540	.0078416	.0063628	150.1045	.1017436	.1712834

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7566649	253.0490	19.85086	44.16655	.1905076	-.009697
Stddev	.0058469	.5463	.02143	.16525	.0042365	.000816
%RSD	.7727217	.2158898	.1079794	.3741532	2.223808	8.410123
#1	.7619688	253.6505	19.84752	44.01428	.1924627	-.008823
#2	.7576306	252.5836	19.83129	44.14310	.1934135	-.009830
#3	.7503952	252.9129	19.87377	44.34227	.1856466	-.010437

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.157810	.2082538	.4643354	9.758259	F 10.10920	-.125765
Stddev	.051729	.0025431	.0059008	.023738	.19090	.004827
%RSD	32.77912	1.221136	1.270802	.2432617	1.888359	3.837839
#1	-.212463	.2102235	.4671313	9.769637	10.15302	-.120823
#2	-.109611	.2091551	.4683185	9.730973	10.27438	-.130468
#3	-.151355	.2053828	.4575563	9.774166	9.90021	-.126005

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-07 Acquired: 12/14/2024 18:28:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ76 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023098	1.861039	9.543719	.0527419	.9978990	.1165491
Stddev	.0003788	.031636	.048966	.0012544	.0011336	.0008268
%RSD	16.39844	1.699900	.5130746	2.378432	.1135971	.7094146
#1	.0026678	1.867928	9.512379	.0514225	.9992010	.1162957
#2	.0023484	1.888662	9.600146	.0539192	.9973649	.1158786
#3	.0019132	1.826526	9.518634	.0528840	.9971312	.1174729

Elem	Li6707
Units	ppm
Avg	.0678668
Stddev	.0005735
%RSD	.8450099
#1	.0674924
#2	.0675810
#3	.0685270

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2525.475	30612.55	2852.938	2130.368	2586.958
Stddev	34.344	97.74	12.670	3.979	49.149
%RSD	1.359902	.3192885	.4441028	.1867939	1.899878
#1	2516.178	30708.17	2855.576	2132.774	2571.596
#2	2496.737	30512.81	2839.156	2125.775	2547.324
#3	2563.511	30616.66	2864.081	2132.555	2641.953

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-08 Acquired: 12/14/2024 18:32:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ84 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0771560	.0225572	1.456528	-.011838	.0194166	74.23221	1.382781
Stddev	.0019819	.0008517	.003848	.009001	.0008065	.15510	.002723
%RSD	2.568727	3.775606	.2641703	76.04099	4.153555	.2089457	.1968987
#1	.0789854	.0218609	1.452363	-.003306	.0201367	74.13206	1.382754
#2	.0750505	.0223040	1.457270	-.010961	.0185452	74.41087	1.385518
#3	.0774320	.0235068	1.459950	-.021245	.0195680	74.15369	1.380072

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058716	.0101720	458.7818	.1324491	.1045506	.3203611	167.0902
Stddev	.0001345	.0001021	1.3483	.0013697	.0005144	.0017915	.7830
%RSD	2.291517	1.003355	.2938946	1.034148	.4919690	.5592060	.4686223
#1	.0057602	.0100545	459.0729	.1335610	.1048056	.3195606	167.0226
#2	.0060211	.0102228	459.9609	.1309191	.1048876	.3224132	167.9049
#3	.0058337	.0102386	457.3118	.1328674	.1039585	.3191094	166.3432

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.334885	180.9608	.2190551	-.006027	1.130289	.1650336	1.918111
Stddev	.024776	.7680	.0010837	.000597	.263445	.0113984	.012005
%RSD	.3377791	.4243890	.4947000	9.907780	23.30771	6.906687	.6258876
#1	7.333672	180.8137	.2202862	-.006449	.826536	.1746752	1.931788
#2	7.360244	181.7917	.2186340	-.005344	1.296424	.1524538	1.909317
#3	7.310737	180.2771	.2182453	-.006290	1.267908	.1679718	1.913228

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.88037	8.707627	-.046404	.0033721	8.842208	11.59684	.0763391
Stddev	.11066	.017784	.003328	.0004808	.009196	.06178	.0015046
%RSD	.8591625	.2042369	7.171805	14.25927	.1039974	.5327106	1.970928
#1	12.97988	8.690072	-.042619	.0036527	8.832532	11.54963	.0746487
#2	12.90004	8.707175	-.048871	.0036467	8.850833	11.66676	.0775316
#3	12.76119	8.725632	-.047722	.0028169	8.843258	11.57414	.0768371

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-08 Acquired: 12/14/2024 18:32:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ84 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.118424	.3974085	.0998807
Stddev	.002967	.0013939	.0044561
%RSD	.2652862	.3507439	4.461455
#1	1.119906	.3971303	.1046608
#2	1.120357	.3989205	.0958413
#3	1.115007	.3961747	.0991402

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2055.076	25355.71	2376.100	1760.360	2408.741
Stddev	5.011	114.76	16.171	10.209	3.550
%RSD	.2438399	.4525828	.6805875	.5799469	.1473677
#1	2060.635	25283.22	2389.735	1752.392	2412.832
#2	2053.688	25488.02	2358.234	1771.868	2406.905
#3	2050.906	25295.90	2380.333	1756.821	2406.485

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-09 Acquired: 12/14/2024 18:36:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ85 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0908402	.0212559	1.534141	-.010611	.0199473	67.43583	1.606940
Stddev	.0013450	.0044992	.017160	.003118	.0057556	.15621	.004276
%RSD	1.480618	21.16696	1.118527	29.38666	28.85400	.2316431	.2661080
#1	.0896803	.0168357	1.553656	-.013668	.0248818	67.55798	1.611875
#2	.0923146	.0211019	1.521411	-.010730	.0136245	67.48970	1.604317
#3	.0905258	.0258302	1.527357	-.007435	.0213356	67.25982	1.604629

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056545	.0082119	603.7356	.1307533	.1033277	.3478199	166.2894
Stddev	.0001212	.0000239	2.3243	.0008963	.0013716	.0032931	.3606
%RSD	2.144079	.2915735	.3849895	.6855086	1.327464	.9467966	.2168361
#1	.0055705	.0081893	606.3114	.1315328	.1048944	.3446774	166.7054
#2	.0055995	.0082370	603.1005	.1297739	.1023432	.3512454	166.0952
#3	.0057935	.0082094	601.7948	.1309531	.1027455	.3475368	166.0675

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.872637	256.2456	.2292973	-.007052	.2310649	.1602346	1.594575
Stddev	.010858	.7378	.0029816	.000269	.8486860	.0133962	.001046
%RSD	.1379184	.2879422	1.300320	3.820950	367.2934	8.360347	.0655765
#1	7.884831	256.9966	.2327389	-.007363	1.173963	.1603060	1.595060
#2	7.864015	255.5216	.2274948	-.006888	-.471632	.1468028	1.593374
#3	7.869065	256.2185	.2276583	-.006905	-.009136	.1735949	1.595290

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.848241	6.790497	-.045153	.0027050	9.463266	11.36347	.0602999
Stddev	.248774	.070282	.003347	.0004767	.111833	.04688	.0008905
%RSD	2.526076	1.035011	7.413628	17.62445	1.181760	.4125476	1.476718
#1	10.11084	6.871398	-.043771	.0032488	9.591076	11.41366	.0598209
#2	9.61610	6.744483	-.048970	.0023592	9.383387	11.32082	.0613273
#3	9.81778	6.755611	-.042717	.0025069	9.415336	11.35592	.0597514

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-09 Acquired: 12/14/2024 18:36:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ85 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.068226	.3967752	.0924543
Stddev	.007653	.0006688	.0055597
%RSD	.7164592	.1685501	6.013481
#1	1.075422	.3974269	.0866279
#2	1.069070	.3968082	.0977021
#3	1.060185	.3960906	.0930328

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2061.820	25633.26	2425.846	1773.316	2383.447
Stddev	17.867	74.16	12.548	1.526	21.327
%RSD	.8665591	.2893108	.5172484	.0860598	.8947983
#1	2041.756	25586.20	2412.699	1774.890	2359.037
#2	2067.691	25718.75	2437.693	1773.215	2392.833
#3	2076.012	25594.83	2427.148	1771.843	2398.471

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-10 Acquired: 12/14/2024 18:40:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ86 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3170719	.0318608	.8376475	-.038940	.0010390	31.44543
Stddev	.0035274	.0027178	.0094415	.003075	.0026094	.95234
%RSD	1.112478	8.530074	1.127146	7.898049	251.1589	3.028543
#1	.3174766	.0287973	.8273943	-.039641	.0019809	30.75297
#2	.3133597	.0339820	.8395655	-.035574	-.001911	32.53148
#3	.3203795	.0328031	.8459828	-.041604	.003047	31.05185

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7532918	.0029160	.0290444	F 1677.430	.0679785	.0916039
Stddev	.0246485	.0002509	.0005347	25.147	.0010126	.0017054
%RSD	3.272105	8.605598	1.840846	1.499128	1.489669	1.861721
#1	.7361228	.0028190	.0284649	1651.816	.0686002	.0900873
#2	.7815351	.0032010	.0291497	1702.082	.0685253	.0912744
#3	.7422175	.0027281	.0295186	1678.394	.0668100	.0934501

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1778877	128.9961	11.06473	F 846.0286	.1231037	-.005071
Stddev	.0085798	3.6720	.31165	24.0401	.0005430	.001202
%RSD	4.823172	2.846625	2.816650	2.841526	.4410916	23.70922
#1	.1754274	126.0188	10.84123	828.0038	.1224792	-.006094
#2	.1708069	133.0992	11.42074	873.3237	.1233675	-.003747
#3	.1874290	127.8702	10.93220	836.7583	.1234643	-.005373

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7628889	.0817432	5.850357	7.144682	3.305670	-.002259
Stddev	.2740805	.0120707	.059986	.354076	.041769	.001599
%RSD	35.92666	14.76658	1.025345	4.955799	1.263550	70.75172
#1	.9367774	.0781517	5.898415	6.812976	3.259511	-.003989
#2	.4469419	.0718759	5.869527	7.517533	3.316639	-.000837
#3	.9049473	.0952021	5.783129	7.103535	3.340860	-.001952

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-10 Acquired: 12/14/2024 18:40:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ86 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003764	23.77435	11.41062	.0347320	.3911348	.5716408
Stddev	.0010042	.26021	.23965	.0021949	.0114179	.0164475
%RSD	266.8017	1.094483	2.100229	6.319630	2.919167	2.877247
#1	-.000139	23.48353	11.27990	.0360037	.3809258	.5590206
#2	.001534	23.85438	11.68721	.0359949	.4034643	.5902419
#3	-.000266	23.98514	11.26475	.0321976	.3890144	.5656599

Elem	Li6707
Units	ppm
Avg	.0594622
Stddev	.0063699
%RSD	10.71253
#1	.0550209
#2	.0667604
#3	.0566053

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1881.193	23105.78	2248.557	1584.731	2135.521
Stddev	16.598	131.85	50.959	13.925	19.021
%RSD	.8822911	.5706256	2.266319	.8786683	.8906757
#1	1886.652	22961.91	2284.888	1568.932	2150.847
#2	1862.554	23134.61	2190.305	1590.044	2114.233
#3	1894.374	23220.83	2270.478	1595.217	2141.482

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-11 Acquired: 12/14/2024 18:44:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ87 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0679020**	**.0227737**	**.5197426**	**-.013413**	**.0264816**	**109.4623**
Stddev	.0037407	.0040833	.0037719	.006980	.0016588	3.6884
%RSD	5.508977	17.92970	.7257190	52.03606	6.263956	3.369533
#1	.0690831	.0272042	.5170951	-.021417	.0252923	105.2873
#2	.0709097	.0219553	.5180714	-.008592	.0283766	112.2785
#3	.0637134	.0191617	.5240614	-.010231	.0257759	110.8212

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.646071**	**.0080650**	**.0101515**	F **986.1077**	**.1482874**	**.1336395**
Stddev	.053717	.0001642	.0002284	31.7560	.0022998	.0005286
%RSD	3.263319	2.036442	2.250312	3.220334	1.550883	.3955384
#1	1.585131	.0078782	.0102821	950.1982	.1478846	.1330411
#2	1.686550	.0081867	.0098877	1010.491	.1462157	.1338348
#3	1.666533	.0081301	.0102846	997.634	.1507620	.1340427

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2331838**	**219.8771**	**7.509311**	**332.8834**	**.2598350**	**-.011268**
Stddev	.0106227	7.3175	.246823	11.5842	.0027806	.000578
%RSD	4.555517	3.327984	3.286888	3.479947	1.070151	5.125226
#1	.2215610	211.5471	7.226377	319.6442	.2599961	-.011086
#2	.2423901	225.2685	7.680492	341.1571	.2569773	-.010804
#3	.2356004	222.8158	7.621063	337.8489	.2625315	-.011915

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1301591**	**.2091726**	**1.370670**	**9.517423**	**4.499042**	**-.092001**
Stddev	.3657596	.0101182	.036516	.411576	.032868	.002572
%RSD	281.0097	4.837255	2.664066	4.324449	.7305532	2.795099
#1	-.074555	.1978527	1.367222	9.042900	4.492538	-.090395
#2	-.087405	.2173371	1.336001	9.731980	4.469912	-.094967
#3	.552437	.2123281	1.408788	9.777390	4.534675	-.090641

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-11 Acquired: 12/14/2024 18:44:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ87 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016847	7.109081	10.73920	.0354602	1.017460	1.196701
Stddev	.0003603	.069048	.32473	.0012441	.034046	.041647
%RSD	21.38660	.9712640	3.023749	3.508344	3.346207	3.480165
#1	.0013051	7.108589	10.38213	.0359442	.978170	1.149000
#2	.0020220	7.040280	11.01685	.0340468	1.035929	1.225835
#3	.0017269	7.178373	10.81861	.0363894	1.038280	1.215269

Elem	Li6707
Units	ppm
Avg	.1687575
Stddev	.0021821
%RSD	1.293055
#1	.1667045
#2	.1710492
#3	.1685188

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2049.588	25317.86	2461.173	1755.778	2287.781
Stddev	10.438	303.02	72.547	15.843	10.887
%RSD	.5092601	1.196862	2.947662	.9023463	.4758621
#1	2054.502	25366.61	2543.408	1758.463	2292.286
#2	2056.662	25593.55	2406.228	1770.107	2295.692
#3	2037.601	24993.42	2433.884	1738.764	2275.365

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-15 Acquired: 12/14/2024 18:48:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ89 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0649095**	**.0174184**	**.5369587**	**-.010202**	**.0314140**	**128.1167**
Stddev	.0081192	.0046629	.0038970	.002577	.0017503	3.9602
%RSD	12.50851	26.77015	.7257516	25.25595	5.571590	3.091082
#1	.0555922	.0120571	.5412308	-.007483	.0333700	129.6446
#2	.0686669	.0196687	.5360466	-.012607	.0308763	131.0854
#3	.0704695	.0205294	.5335986	-.010518	.0299957	123.6202

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.797271**	**.0098527**	**.0102768**	F **1016.380**	**.1752913**	**.1572953**
Stddev	.056031	.0003682	.0001614	29.889	.0009238	.0003028
%RSD	3.117585	3.736826	1.570480	2.940717	.5270313	.1924921
#1	1.820451	.0101265	.0101012	1027.867	.1760805	.1569602
#2	1.837993	.0099975	.0103105	1038.821	.1742752	.1573766
#3	1.733369	.0094342	.0104187	982.452	.1755184	.1575492

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3199757**	**250.3220**	**6.187216**	**236.7828**	**.3309796**	**-.013266**
Stddev	.0106488	7.6294	.194375	6.9058	.0011091	.001179
%RSD	3.327986	3.047835	3.141561	2.916517	.3351036	8.885044
#1	.3298378	252.8536	6.257243	239.5439	.3306745	-.012817
#2	.3214046	256.3639	6.336875	241.8809	.3322094	-.012378
#3	.3086846	241.7486	5.967530	228.9236	.3300550	-.014604

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4750307**	**.2393938**	**1.263052**	**7.246013**	**5.263404**	**-.118796**
Stddev	.2263192	.0106376	.008876	.199256	.008074	.001975
%RSD	47.64306	4.443559	.7027451	2.749875	.1533995	1.662229
#1	.6822198	.2366875	1.273295	7.345247	5.270904	-.117666
#2	.5093669	.2511231	1.257615	7.376166	5.264450	-.117646
#3	.2335054	.2303707	1.258247	7.016625	5.254858	-.121076

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-15 Acquired: 12/14/2024 18:48:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ89 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032028	6.533378	12.68555	.0606288	1.089141	2.012380
Stddev	.0001427	.031316	.40385	.0001467	.032607	.062360
%RSD	4.454338	.4793240	3.183510	.2420051	2.993849	3.098833
#1	.0031328	6.567384	12.80187	.0607046	1.098838	2.040222
#2	.0033670	6.527024	13.01847	.0607222	1.115801	2.055969
#3	.0031087	6.505727	12.23631	.0604597	1.052786	1.940949

Elem	Li6707
Units	ppm
Avg	.2006294
Stddev	.0018434
%RSD	.9188239
#1	.2025441
#2	.2004775
#3	.1988666

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2074.416	25629.01	2502.339	1781.758	2275.800
Stddev	5.469	197.82	65.578	8.743	5.213
%RSD	.2636406	.7718711	2.620686	.4907028	.2290714
#1	2073.772	25543.79	2480.877	1773.598	2272.350
#2	2080.179	25855.16	2450.181	1790.986	2281.797
#3	2069.298	25488.08	2575.960	1780.689	2273.254

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-16 Acquired: 12/14/2024 18:51:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ90 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0614645	.0261897	.7234426	-.035197	.0014074	43.78381
Stddev	.0038553	.0037534	.0111717	.003953	.0029532	.19898
%RSD	6.272420	14.33169	1.544245	11.23090	209.8374	.4544615
#1	.0644172	.0283197	.7131749	-.031464	.0019565	43.61539
#2	.0628733	.0283935	.7218135	-.039338	.0040475	43.73266
#3	.0571029	.0218558	.7353395	-.034787	-.001782	44.00337

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5156553	.0046351	.0297120	F 1525.164	.0738694	.1101792
Stddev	.0018185	.0000928	.0003917	20.008	.0008004	.0008256
%RSD	.3526490	2.002759	1.318467	1.311889	1.083555	.7492902
#1	.5135606	.0045336	.0293964	1517.994	.0747841	.1092261
#2	.5168291	.0047157	.0295892	1509.728	.0735268	.1106393
#3	.5165761	.0046562	.0301504	1547.769	.0732973	.1106722

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2047332	135.6256	6.795916	664.8082	.1557824	-.005401
Stddev	.0107990	.4211	.021266	3.1561	.0011785	.000688
%RSD	5.274654	.3104749	.3129185	.4747389	.7565288	12.74637
#1	.2126483	135.3959	6.782343	661.9951	.1546089	-.004673
#2	.1924311	135.3694	6.784980	664.2084	.1557722	-.005491
#3	.2091202	136.1116	6.820424	668.2212	.1569659	-.006041

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.702594	.1017859	3.250207	9.058111	3.856565	.0223417
Stddev	.403968	.0073957	.018389	.040302	.032469	.0019067
%RSD	23.72661	7.265921	.5657836	.4449247	.8419057	8.534222
#1	1.242121	.0933373	3.234623	9.012132	3.822509	.0204553
#2	1.868305	.1070883	3.245508	9.087318	3.860017	.0242680
#3	1.997357	.1049321	3.270489	9.074884	3.887170	.0223019

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-16 Acquired: 12/14/2024 18:51:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ90 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001102	18.81566	12.05939	.1088275	.5650043	.7649987
Stddev	.000750	.14084	.05896	.0028957	.0012762	.0033573
%RSD	68.08349	.7485302	.4889319	2.660820	.2258800	.4388698
#1	-.001807	18.67099	12.09719	.1054906	.5635994	.7618186
#2	-.001185	18.82365	12.08953	.1103111	.5653213	.7646687
#3	-.000313	18.95233	11.99145	.1106807	.5660921	.7685089

Elem	Li6707
Units	ppm
Avg	.0935781
Stddev	.0050958
%RSD	5.445509
#1	.0892265
#2	.0991839
#3	.0923238

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1939.142	24094.01	2381.033	1651.577	2171.278
Stddev	12.815	167.62	8.341	6.575	18.459
%RSD	.6608787	.6957091	.3502982	.3981016	.8501234
#1	1949.352	24126.77	2385.337	1654.176	2184.928
#2	1943.312	24242.84	2386.342	1656.456	2178.628
#3	1924.760	23912.43	2371.420	1644.100	2150.276

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCV019 Acquired: 12/14/2024 19:00:14 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV019 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.891958**	**5.241500**	**24.44921**	**4.697204**	**4.801908**	**426.4838**	**10.70769**
Stddev	.028940	.031551	.11877	.041705	.032171	3.4102	.08174
%RSD	.5915742	.6019522	.4857724	.8878724	.6699608	.7996193	.7633607
#1	4.859609	5.277661	24.58556	4.744496	4.835444	430.2392	10.79961
#2	4.915389	5.227262	24.39375	4.681425	4.798975	425.6321	10.68028
#3	4.900877	5.219576	24.36832	4.665690	4.771303	423.5801	10.64317

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4842333**	**2.432508**	**414.4890**	**14.89126**	**2.353604**	**15.51839**	**421.7314**
Stddev	.0049242	.013309	3.5680	.18452	.013050	.12397	2.8286
%RSD	1.016915	.5471431	.8608169	1.239125	.5544805	.7988724	.6707031
#1	.4899183	2.447776	418.4088	14.67874	2.368595	15.63951	424.8984
#2	.4814837	2.426395	413.6280	15.01077	2.347436	15.52392	420.8398
#3	.4812979	2.423354	411.4303	14.98426	2.344780	15.39175	419.4561

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.44219**	**397.5433**	**2.427133**	**1.256354**	**412.3393**	**2.568448**	**14.07116**
Stddev	.09140	2.6583	.015368	.014294	4.3640	.018574	.20992
%RSD	.5918959	.6686765	.6331913	1.137736	1.058361	.7231638	1.491855
#1	15.54761	400.5369	2.444614	1.239858	417.2911	2.573412	13.82889
#2	15.39388	396.6337	2.421038	1.265077	410.6727	2.584035	14.19923
#3	15.38508	395.4591	2.415748	1.264128	409.0542	2.547896	14.18535

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**155.7018**	**4.911213**	**4.724858**	**4.977538**	**4.808081**	**5.021894**	**5.044567**
Stddev	1.0992	.018905	.056990	.039770	.020000	.058865	.032588
%RSD	.7059948	.3849415	1.206184	.7989844	.4159584	1.172173	.6460012
#1	156.9675	4.931094	4.789216	5.019180	4.830563	5.088777	5.081338
#2	155.1511	4.909081	4.704575	4.973485	4.792268	4.998946	5.033101
#3	154.9867	4.893464	4.680784	4.939951	4.801413	4.977958	5.019262

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCV019 Acquired: 12/14/2024 19:00:14 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV019 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	**5.208813**	**4.806589**	**5.372440**
Stddev	.048531	.035921	.041514
%RSD	.9317109	.7473318	.7727224
#1	5.263219	4.847851	5.419053
#2	5.193241	4.789624	5.358820
#3	5.169980	4.782292	5.339447

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1599.297**	**21771.42**	**2091.620**	**1429.950**	**2197.766**
Stddev	18.012	258.86	20.254	15.418	21.609
%RSD	1.126236	1.188998	.9683428	1.078241	.9832249
#1	1579.047	22068.47	2068.343	1447.738	2172.851
#2	1605.315	21594.07	2105.230	1420.407	2209.060
#3	1613.530	21651.72	2101.285	1421.706	2211.389

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCB019 Acquired: 12/14/2024 19:03:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB019 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018937**	**-.002932**	**.0028514**	**-.001114**	**-.000819**	**.0323229**	**-.001143**
Stddev	.0023018	.001650	.0013944	.004800	.001493	.0516611	.000211
%RSD	121.5510	56.27511	48.90014	430.6781	182.2912	159.8283	18.44643
#1	.0030758	-.004708	.0019279	-.006649	-.002217	.0227213	-.000964
#2	-.000759	-.002640	.0044554	.001903	.000754	-.013864	-.001375
#3	.003364	-.001447	.0021710	.001403	-.000994	.088111	-.001089

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000893**	**-.000136**	**-.011921**	**.0002109**	**-.000366**	**-.001640**	**.0199135**
Stddev	.0000772	.000109	.031924	.0007086	.000375	.006774	.0004113
%RSD	86.41938	80.31659	267.7902	336.0031	102.4710	413.0672	2.065603
#1	.0000559	-.000247	.007748	.0003010	-.000798	.005957	.0195477
#2	.0000345	-.000130	-.048755	.0008701	-.000162	-.003826	.0198340
#3	.0001776	-.000029	.005243	-.000538	-.000137	-.007051	.0203588

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000682**	**.0401712**	**-.000396**	**.0019772**	**.2843538**	**.0043031**	**.0025784**
Stddev	.000132	.0246727	.000776	.0009079	.3118199	.0069507	.0069205
%RSD	19.33376	61.41894	195.8903	45.92188	109.6591	161.5295	268.4026
#1	-.000702	.0528626	-.000013	.0021039	.3689701	.0027849	.0104732
#2	-.000542	.0559149	-.001290	.0010125	-.061041	.0118873	-.000298
#3	-.000803	.0117361	.000114	.0028151	.545133	-.001763	-.002440

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3203787**	**-.001986**	**.0024268**	**.0004601**	**-.004777**	**-.035652**	**-.001135**
Stddev	.0740189	.001654	.0024982	.0002548	.003289	.001107	.000791
%RSD	23.10357	83.28698	102.9420	55.37455	68.85259	3.106358	69.69092
#1	.3962830	-.000162	.0027123	.0001879	-.003543	-.036924	-.001299
#2	.2484015	-.002409	.0047699	.0004998	-.002284	-.034900	-.000275
#3	.3164515	-.003389	-.000202	.0006928	-.008505	-.035132	-.001832

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCB019 Acquired: 12/14/2024 19:03:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB019 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.003418	.0001590	-.003597
Stddev	.002047	.0000506	.001078
%RSD	59.86944	31.81618	29.97666
#1	-.004195	.0001061	-.004838
#2	-.004963	.0001640	-.003055
#3	-.001097	.0002070	-.002897

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1986.326	24464.22	2191.764	1701.691	2795.915
Stddev	6.432	305.40	11.048	18.531	15.506
%RSD	.3238025	1.248345	.5040788	1.088962	.5545997
#1	1987.892	24328.60	2179.267	1690.627	2800.833
#2	1979.255	24813.94	2195.796	1723.084	2778.546
#3	1991.830	24250.12	2200.231	1691.362	2808.366

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-17 Acquired: 12/14/2024 19:07:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0455289**	**.0396098**	**.4777281**	**-.044077**	**-.003357**	**22.77598**
Stddev	.0021017	.0043488	.0028892	.012580	.004751	.49439
%RSD	4.616295	10.97917	.6047883	28.54128	141.5255	2.170662
#1	.0431679	.0346936	.4770151	-.054135	.001476	23.15712
#2	.0471960	.0411813	.4809072	-.029971	-.003525	22.95347
#3	.0462227	.0429544	.4752622	-.048125	-.008022	22.21735

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2080898**	**.0027649**	**.0070099**	F **2130.997**	**.0560094**	**.0961495**
Stddev	.0046394	.0001988	.0001704	48.379	.0007221	.0013903
%RSD	2.229493	7.190670	2.430764	2.270270	1.289276	1.446009
#1	.2114389	.0028969	.0068876	2167.540	.0557972	.0950344
#2	.2100362	.0028616	.0069376	2149.319	.0554171	.0977073
#3	.2027943	.0025362	.0072046	2076.133	.0568138	.0957067

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1298474**	**118.8885**	**12.09112**	F **1111.329**	**.1199068**	**-.004708**
Stddev	.0085037	2.7320	.25757	23.875	.0007642	.001046
%RSD	6.549036	2.297975	2.130258	2.148369	.6373581	22.21620
#1	.1346483	121.1591	12.32095	1133.457	.1203986	-.005108
#2	.1348650	119.6498	12.13969	1114.506	.1202954	-.005495
#3	.1200289	115.8565	11.81272	1086.025	.1190263	-.003521

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.168049**	**.0634550**	**1.026345**	**11.17474**	**2.479126**	**.0725456**
Stddev	.197060	.0099921	.013447	.26644	.010951	.0047009
%RSD	9.089278	15.74673	1.310177	2.384292	.4417217	6.479923
#1	2.013262	.0522249	1.011151	11.44887	2.467607	.0763871
#2	2.101000	.0667774	1.036714	11.15861	2.489403	.0739461
#3	2.389884	.0713627	1.031168	10.91673	2.480367	.0673036

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-17 Acquired: 12/14/2024 19:07:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002514	30.85351	10.88637	.0363922	.1433941	.7650645
Stddev	.000387	.04128	.26323	.0004439	.0026845	.0170086
%RSD	15.38937	.1337933	2.417932	1.219716	1.872127	2.223153
#1	-.002960	30.80691	11.13880	.0364676	.1461854	.7815212
#2	-.002315	30.86810	10.90676	.0367935	.1431660	.7661192
#3	-.002267	30.88551	10.61354	.0359154	.1408309	.7475532

Elem	Li6707
Units	ppm
Avg	.0815074
Stddev	.0045817
%RSD	5.621173
#1	.0860139
#2	.0816542
#3	.0768541

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1822.396	22901.24	2272.740	1561.431	2001.361
Stddev	2.374	95.92	48.530	8.661	1.859
%RSD	.1302695	.4188209	2.135291	.5546823	.0928885
#1	1822.864	23011.88	2226.754	1571.425	2003.331
#2	1819.824	22850.28	2268.002	1556.746	1999.637
#3	1824.502	22841.57	2323.465	1556.121	2001.116

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-18 Acquired: 12/14/2024 19:11:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0360059	.0324272	.8012164	-.032170	.0006942	36.08990
Stddev	.0055672	.0063200	.0034601	.005991	.0021986	.59806
%RSD	15.46204	19.48986	.4318521	18.62181	316.7098	1.657151
#1	.0354068	.0271036	.7973122	-.039020	-.001820	35.42741
#2	.0307624	.0394118	.8024337	-.027907	.002254	36.58999
#3	.0418484	.0307660	.8039033	-.029584	.001649	36.25231

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4621892	.0030218	.0058506	F 1278.858	.0613701	.0906313
Stddev	.0074570	.0002019	.0001313	16.855	.0009107	.0003981
%RSD	1.613418	6.682122	2.244715	1.317996	1.484014	.4392702
#1	.4538603	.0028504	.0060022	1264.228	.0615092	.0901803
#2	.4682456	.0029706	.0057784	1297.289	.0622033	.0909337
#3	.4644618	.0032444	.0057712	1275.056	.0603978	.0907800

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7515980	106.8741	7.733226	445.8156	.1199606	-.004024
Stddev	.0144005	1.6680	.120891	7.3788	.0015658	.001207
%RSD	1.915979	1.560692	1.563261	1.655114	1.305245	29.99731
#1	.7351368	104.9610	7.594457	437.3117	.1181529	-.004845
#2	.7618648	108.0239	7.815720	450.5244	.1208937	-.004588
#3	.7577924	107.6373	7.789502	449.6108	.1208350	-.002638

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.254083	.0872500	1.311720	7.493394	3.926338	.0008820
Stddev	.243083	.0129928	.008227	.039891	.016616	.0041769
%RSD	19.38332	14.89144	.6271622	.5323441	.4231996	473.5922
#1	1.001166	.0738665	1.319403	7.447356	3.908628	-.003876
#2	1.485965	.0880702	1.303041	7.517686	3.928801	.003945
#3	1.275119	.0998132	1.312716	7.515141	3.941586	.002577

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-18 Acquired: 12/14/2024 19:11:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002093	9.896673	11.07300	.1926185	.6950388	.7058914
Stddev	.000256	.035176	.19817	.0008793	.0143027	.0102375
%RSD	12.24906	.3554282	1.789686	.4565221	2.057829	1.450292
#1	-.001988	9.874607	10.85085	.1936053	.6804874	.6942436
#2	-.002385	9.878175	11.23160	.1923322	.6955501	.7134624
#3	-.001906	9.937238	11.13655	.1919179	.7090791	.7099682

Elem	Li6707
Units	ppm
Avg	.0682243
Stddev	.0036955
%RSD	5.416638
#1	.0724793
#2	.0663751
#3	.0658185

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1955.376	24125.10	2341.548	1655.120	2198.481
Stddev	4.936	48.17	37.489	3.783	8.108
%RSD	.2524374	.1996635	1.601028	.2285832	.3687935
#1	1958.607	24071.48	2383.911	1650.860	2205.865
#2	1949.694	24139.12	2312.656	1656.412	2189.805
#3	1957.827	24164.71	2328.077	1658.088	2199.773

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-19 Acquired: 12/14/2024 19:15:46 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1059361	.0153161	4.043518	-.004777	.0396577	109.0853	1.956646
Stddev	.0019797	.0010506	.011736	.002187	.0013254	.4755	.012987
%RSD	1.868787	6.859691	.2902529	45.78594	3.342148	.4358853	.6637546
#1	.1042981	.0163453	4.055052	-.002427	.0382378	109.3389	1.964689
#2	.1053743	.0153577	4.043911	-.005152	.0398731	108.5367	1.941663
#3	.1081361	.0142453	4.031589	-.006752	.0408623	109.3802	1.963587

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0084751	.0380030	660.8569	.1792871	.1397254	9.540856	260.9968
Stddev	.0001756	.0003337	2.7635	.0018249	.0015777	.051427	.8419
%RSD	2.072190	.8781321	.4181716	1.017881	1.129134	.5390184	.3225703
#1	.0086777	.0381075	662.4528	.1813508	.1401488	9.543043	261.7065
#2	.0083819	.0382720	657.6658	.1786243	.1410483	9.488371	260.0666
#3	.0083657	.0376295	662.4520	.1778862	.1379793	9.591155	261.2174

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.791593	181.4046	.2490229	-.009181	2.922073	.2481106	13.08248
Stddev	.039416	.7436	.0018652	.000686	.185695	.0036093	.07816
%RSD	.5803649	.4098891	.7490035	7.469230	6.354913	1.454693	.5974739
#1	6.814060	181.8407	.2497858	-.009368	2.949135	.2516740	13.14923
#2	6.746081	180.5460	.2503858	-.009755	2.724331	.2444572	12.99649
#3	6.814639	181.8270	.2468973	-.008422	3.092752	.2482007	13.10173

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.50964	9.173066	-.082635	.0080439	9.730572	8.393814	.6691438
Stddev	.13393	.029388	.008863	.0004209	.055202	.068844	.0023633
%RSD	.9913848	.3203747	10.72599	5.232974	.5673016	.8201767	.3531840
#1	13.64737	9.190385	-.082473	.0082547	9.770052	8.465713	.6675443
#2	13.37986	9.189679	-.091578	.0075592	9.754171	8.387231	.6718584
#3	13.50169	9.139134	-.073853	.0083177	9.667494	8.328497	.6680288

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-19 Acquired: 12/14/2024 19:15:46 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.090291	1.129394	.1704601
Stddev	.010508	.006588	.0033190
%RSD	.5026974	.5833032	1.947064
#1	2.098359	1.134879	.1673864
#2	2.078409	1.122087	.1700145
#3	2.094105	1.131216	.1739793

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2074.894	25964.00	2429.381	1795.704	2354.523
Stddev	3.580	150.09	6.023	10.195	5.587
%RSD	.1725493	.5780651	.2479430	.5677336	.2372976
#1	2070.848	25790.81	2424.418	1784.300	2349.870
#2	2077.652	26055.93	2427.643	1803.934	2352.979
#3	2076.181	26045.27	2436.083	1798.877	2360.720

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-20 Acquired: 12/14/2024 19:19:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0506495**	**.0181563**	**1.334781**	**-.019728**	**.0165892**	**106.7136**
Stddev	.0034750	.0031995	.012016	.002416	.0018515	.3272
%RSD	6.860967	17.62172	.9002159	12.24823	11.16089	.3066324
#1	.0497994	.0209837	1.347615	-.019781	.0152841	107.0378
#2	.0476783	.0146833	1.323797	-.017285	.0187082	106.7196
#3	.0544707	.0188018	1.332932	-.022117	.0157753	106.3834

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8823056**	**.0078398**	**.0120341**	F **969.2916**	**.1592249**	**.1492202**
Stddev	.0028418	.0001507	.0001524	2.3526	.0014764	.0013822
%RSD	.3220897	1.921733	1.266841	.2427176	.9272497	.9262654
#1	.8855861	.0078514	.0121510	971.4344	.1598260	.1508099
#2	.8807341	.0076837	.0120896	969.6664	.1575428	.1483024
#3	.8805966	.0079844	.0118617	966.7741	.1603060	.1485484

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.597369**	**191.0281**	**5.541291**	**311.5805**	**.1787866**	**-.009053**
Stddev	.003508	.3036	.009132	.6925	.0004934	.000119
%RSD	.0975116	.1589414	.1647912	.2222607	.2759966	1.314815
#1	3.595362	191.3667	5.551827	312.3744	.1782271	-.009183
#2	3.595325	190.9375	5.536390	311.2668	.1791596	-.008950
#3	3.601419	190.7800	5.535657	311.1004	.1789732	-.009024

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.384291**	**.2206370**	**4.413673**	**13.44002**	**3.738780**	**-.021087**
Stddev	.573695	.0102911	.023347	.15871	.017179	.000400
%RSD	24.06145	4.664261	.5289777	1.180860	.4594759	1.895151
#1	2.900842	.2287911	4.409447	13.58601	3.757897	-.021474
#2	1.766840	.2240458	4.392727	13.46294	3.733807	-.020675
#3	2.485191	.2090740	4.438845	13.27109	3.724637	-.021111

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-20 Acquired: 12/14/2024 19:19:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0067868	10.53907	20.83447	.3485566	2.342264	.9665808
Stddev	.0006418	.05309	.15360	.0016147	.009864	.0021621
%RSD	9.456307	.5037824	.7372203	.4632455	.4211336	.2236864
#1	.0060457	10.59155	20.98938	.3496859	2.353515	.9690580
#2	.0071538	10.54027	20.83179	.3492767	2.338178	.9650734
#3	.0071608	10.48538	20.68223	.3467071	2.335100	.9656109

Elem	Li6707
Units	ppm
Avg	.1549296
Stddev	.0025945
%RSD	1.674639
#1	.1519390
#2	.1562720
#3	.1565779

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2002.957	24669.10	2371.690	1708.774	2283.646
Stddev	8.000	115.60	5.966	4.834	11.264
%RSD	.3993929	.4686054	.2515652	.2829013	.4932484
#1	1993.720	24675.93	2368.502	1713.406	2270.642
#2	2007.503	24781.14	2367.994	1709.157	2290.376
#3	2007.648	24550.24	2378.573	1703.760	2289.921

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-21 Acquired: 12/14/2024 19:23:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1703763	.0428731	.9015533	-.003541	.0141221	63.26780	1.035947
Stddev	.0061296	.0026768	.0024668	.004652	.0034140	.76783	.015274
%RSD	3.597690	6.243465	.2736110	131.3769	24.17490	1.213625	1.474363
#1	.1738477	.0407186	.9028579	-.001974	.0164708	64.01895	1.050442
#2	.1632988	.0458697	.8987082	.000125	.0156896	63.30015	1.037401
#3	.1739823	.0420310	.9030938	-.008775	.0102058	62.48430	1.019999

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057415	.0098189	642.1874	.0861444	.1348977	.9785362	165.9251
Stddev	.0000741	.0000459	8.2568	.0030544	.0012567	.0157877	2.0649
%RSD	1.291037	.4677078	1.285729	3.545654	.9316238	1.613395	1.244467
#1	.0057627	.0098123	650.4172	.0852996	.1358912	.9967613	167.8914
#2	.0056591	.0097767	642.2412	.0836013	.1353169	.9697895	166.1098
#3	.0058027	.0098678	633.9039	.0895322	.1334849	.9690579	163.7741

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.59646	143.0289	.1839970	-.003785	2.292263	.1490935	1.674558
Stddev	.24531	1.8773	.0004785	.000655	.178015	.0055239	.036441
%RSD	1.251824	1.312550	.2600688	17.29855	7.765899	3.704987	2.176156
#1	19.82879	144.8572	.1843678	-.003076	2.450887	.1526386	1.659725
#2	19.62065	143.1234	.1841663	-.003912	2.326170	.1519132	1.647873
#3	19.33996	141.1061	.1834568	-.004366	2.099734	.1427289	1.716077

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.985762	8.944621	-.033043	.0028354	5.520670	12.39228	.1918574
Stddev	.203528	.017929	.003520	.0001858	.019250	.17320	.0007834
%RSD	2.038184	.2004391	10.65321	6.551373	.3486851	1.397637	.4082970
#1	10.19486	8.964775	-.033387	.0029919	5.542773	12.59199	.1917210
#2	9.97412	8.938641	-.029364	.0026301	5.511659	12.28328	.1911511
#3	9.78831	8.930446	-.036379	.0028843	5.507579	12.30156	.1926999

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-21 Acquired: 12/14/2024 19:23:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.140755	.8738517	.0640268
Stddev	.018855	.0112300	.0016104
%RSD	1.652867	1.285118	2.515235
#1	1.158903	.8842446	.0644718
#2	1.142097	.8753712	.0622407
#3	1.121264	.8619393	.0653679

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2209.583	27079.95	2566.210	1874.358	2399.574
Stddev	9.099	600.76	29.103	39.602	1.281
%RSD	.4117984	2.218478	1.134083	2.112808	.0534046
#1	2218.364	27164.54	2533.904	1884.817	2400.677
#2	2210.188	27633.93	2574.349	1907.680	2398.168
#3	2200.197	26441.38	2590.377	1830.577	2399.877

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-22 Acquired: 12/14/2024 19:27:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2511943	.0556331	.6544398	.0088587	.0272002	65.26369
Stddev	.0019077	.0053212	.0073285	.0028082	.0018002	.03125
%RSD	.7594341	9.564773	1.119816	31.69999	6.618365	.0478869
#1	.2523973	.0495422	.6464284	.0117303	.0289059	65.26714
#2	.2489947	.0593790	.6560854	.0087272	.0253184	65.23086
#3	.2521909	.0579781	.6608057	.0061185	.0273763	65.29307

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.235981	.0062152	.0080003	538.3765	.0839036	.1718409
Stddev	.001190	.0000910	.0002882	.4547	.0005454	.0025226
%RSD	.0963027	1.463937	3.602894	.0844624	.6500132	1.467969
#1	1.236919	.0061854	.0076689	538.8514	.0845285	.1698079
#2	1.234642	.0063174	.0081921	537.9450	.0835241	.1710510
#3	1.236384	.0061429	.0081400	538.3333	.0836581	.1746640

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7426560	210.0513	29.43274	57.45344	.2072201	-.005855
Stddev	.0093450	.1415	.01530	.12378	.0038781	.000418
%RSD	1.258326	.0673554	.0519858	.2154449	1.871483	7.141561
#1	.7400698	210.2095	29.41508	57.51584	.2033595	-.006281
#2	.7348765	210.0077	29.44211	57.53360	.2071855	-.005838
#3	.7530218	209.9368	29.44103	57.31088	.2111154	-.005445

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.479664	.1616473	.5595234	10.69053	F 14.12422	-.059916
Stddev	.439047	.0097243	.0072638	.04353	.21258	.000390
%RSD	29.67203	6.015783	1.298207	.4071864	1.505068	.6515416
#1	1.695202	.1722661	.5652573	10.72493	13.92560	-.060292
#2	.974505	.1531767	.5513551	10.70508	14.09864	-.059943
#3	1.769286	.1594990	.5619580	10.64159	14.34844	-.059512

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4980-22 Acquired: 12/14/2024 19:27:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001281	3.347560	13.02865	.0550744	.6924107	.4951142
Stddev	.000449	.058404	.02281	.0017545	.0017583	.0014617
%RSD	35.08775	1.744669	.1750671	3.185646	.2539376	.2952160
#1	-.001083	3.290219	13.03152	.0531382	.6904654	.4965580
#2	-.001795	3.345491	13.00455	.0565588	.6928798	.4936353
#3	-.000964	3.406972	13.04989	.0555263	.6938869	.4951495

Elem	Li6707
Units	ppm
Avg	.0587022
Stddev	.0059484
%RSD	10.13325
#1	.0655580
#2	.0556381
#3	.0549104

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2411.564	29611.77	2771.580	2065.661	2434.659
Stddev	19.740	87.94	10.103	5.173	31.686
%RSD	.8185668	.2969671	.3645096	.2504437	1.301470
#1	2430.866	29529.95	2767.549	2062.812	2465.672
#2	2412.414	29704.76	2783.076	2071.632	2435.963
#3	2391.413	29600.61	2764.116	2062.537	2402.340

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-01 Acquired: 12/14/2024 19:30:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHD2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0510708**	**.0245723**	**.5397935**	**-.000412**	**.0178841**	**71.85740**	**.8678520**
Stddev	.0067510	.0043331	.0056975	.003684	.0011854	.68942	.0071783
%RSD	13.21892	17.63425	1.055502	893.3941	6.628441	.9594346	.8271374
#1	.0442442	.0213007	.5360205	-.000952	.0167051	71.16248	.8616193
#2	.0577436	.0294866	.5370126	-.003797	.0178714	72.54120	.8757005
#3	.0512246	.0229296	.5463475	.003512	.0190759	71.86852	.8662362

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0050141**	**.0076676**	**228.7534**	**.0972910**	**.1023779**	**.1123633**	**151.6892**
Stddev	.0000340	.0001278	1.7120	.0013411	.0012297	.0032211	1.5366
%RSD	.6772057	1.666224	.7484102	1.378472	1.201162	2.866688	1.012971
#1	.0050415	.0075537	227.1138	.0978475	.1011667	.1149662	150.3450
#2	.0049761	.0076434	230.5296	.0982643	.1023417	.1133628	153.3642
#3	.0050246	.0078058	228.6167	.0957612	.1036254	.1087609	151.3584

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.641761**	**92.89018**	**.1693098**	**-.005231**	**-.240230**	**.1679833**	**.9770453**
Stddev	.100736	.98473	.0020852	.000170	.124290	.0091749	.0044269
%RSD	1.044787	1.060102	1.231585	3.258385	51.73787	5.461803	.4530957
#1	9.549651	91.89147	.1679634	-.005334	-.380593	.1718793	.9742248
#2	9.749334	93.86031	.1682542	-.005034	-.144133	.1575033	.9747636
#3	9.626296	92.91877	.1717117	-.005324	-.195964	.1745674	.9821477

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.221929**	**5.714708**	**-.074424**	**.0004881**	**1.762636**	**9.632035**	**.0248738**
Stddev	.130902	.078886	.001444	.0006344	.019236	.116169	.0012048
%RSD	1.812556	1.380407	1.940549	129.9508	1.091321	1.206070	4.843581
#1	7.094662	5.646961	-.072856	-.000096	1.744582	9.549047	.0242616
#2	7.356185	5.695848	-.074715	.000398	1.760458	9.764798	.0262617
#3	7.214940	5.801315	-.075701	.001163	1.782868	9.582260	.0240980

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-01 Acquired: 12/14/2024 19:30:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHD2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.323330	.0924007	.0848950
Stddev	.015967	.0006321	.0058876
%RSD	1.206596	.6841087	6.935107
#1	1.306742	.0916774	.0786209
#2	1.338595	.0926775	.0902992
#3	1.324652	.0928472	.0857648

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2260.731	28384.86	2590.879	1974.422	2627.490
Stddev	21.250	252.54	28.828	18.504	30.271
%RSD	.9399770	.8896868	1.112666	.9372040	1.152093
#1	2282.199	28294.96	2614.334	1958.733	2656.051
#2	2260.290	28189.58	2558.696	1969.704	2630.661
#3	2239.705	28670.05	2599.608	1994.828	2595.758

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-02 Acquired: 12/14/2024 19:34:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ34 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2928100**	**.0267635**	**3.235535**	**-.001532**	**.0207579**	**45.37259**
Stddev	.0017703	.0034998	.019188	.002064	.0013903	.30924
%RSD	.6045791	13.07678	.5930423	134.6904	6.697646	.6815661
#1	.2947689	.0305159	3.251339	-.000030	.0196997	45.56509
#2	.2913248	.0261865	3.214184	-.003885	.0202415	45.53681
#3	.2923363	.0235880	3.241081	-.000681	.0223325	45.01588

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.779223**	**.0049156**	**.0147933**	F **1185.608**	**.0954464**	**.1032024**
Stddev	.026303	.0001100	.0000824	2.551	.0039015	.0011159
%RSD	.6959803	2.237625	.5573441	.2151285	4.087656	1.081227
#1	3.789897	.0050165	.0147049	1184.971	.0969955	.1041733
#2	3.798511	.0047984	.0148067	1183.436	.0910083	.1019834
#3	3.749261	.0049320	.0148681	1188.416	.0983355	.1034504

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2771238**	**182.6031**	**9.694038**	**244.5581**	**.1805233**	**-.007400**
Stddev	.0050923	.9936	.051003	.9000	.0012476	.001412
%RSD	1.837572	.5441472	.5261318	.3680119	.6911144	19.07668
#1	.2828616	183.2068	9.715705	245.0024	.1817662	-.008555
#2	.2753686	183.1462	9.730632	245.1495	.1792710	-.005826
#3	.2731411	181.4563	9.635779	243.5223	.1805326	-.007818

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6231950**	**.1273009**	**3.542939**	**9.062854**	**7.273148**	**-.048619**
Stddev	.2109661	.0063048	.112346	.216723	.048509	.002361
%RSD	33.85233	4.952704	3.170973	2.391334	.6669570	4.856804
#1	.4569099	.1323735	3.580531	9.238296	7.317564	-.051224
#2	.5521669	.1202422	3.416618	9.129677	7.221385	-.048014
#3	.8605083	.1292870	3.631668	8.820588	7.280493	-.046620

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-02 Acquired: 12/14/2024 19:34:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ34 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038232	11.66489	10.88495	.1159371	.9314967	.6928372
Stddev	.0003602	.09024	.03613	.0018707	.0092392	.0038418
%RSD	9.420025	.7736385	.3319128	1.613506	.9918715	.5544999
#1	.0035450	11.75738	10.92175	.1175253	.9342364	.6953303
#2	.0036947	11.57708	10.84953	.1164109	.9390562	.6947683
#3	.0042300	11.66020	10.88357	.1138751	.9211974	.6884130

Elem	Li6707
Units	ppm
Avg	.0561498
Stddev	.0047907
%RSD	8.532061
#1	.0596795
#2	.0580738
#3	.0506962

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2016.801	25298.50	2393.305	1753.200	2220.166
Stddev	2.504	736.44	14.325	55.140	6.183
%RSD	.1241690	2.911013	.5985441	3.145087	.2784941
#1	2016.627	24985.69	2380.767	1729.445	2217.356
#2	2019.387	26139.71	2390.230	1816.235	2227.255
#3	2014.387	24770.09	2408.918	1713.919	2215.887

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-03 Acquired: 12/14/2024 19:38:38 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ35 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3167641**	**.0305407**	**3.465555**	**.0051768**	**.0255753**	**51.63537**
Stddev	.0006019	.0029676	.023816	.0011840	.0023651	.88654
%RSD	.1900073	9.716993	.6872210	22.87141	9.247412	1.716924
#1	.3163802	.0339451	3.482692	.0043824	.0228575	50.70261
#2	.3164543	.0291773	3.438360	.0046103	.0271655	52.46702
#3	.3174577	.0284999	3.475612	.0065376	.0267030	51.73650

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.092560**	**.0053551**	**.0183233**	F **1345.886**	**.0993169**	**.1115166**
Stddev	.017305	.0000420	.0001188	22.396	.0026535	.0005517
%RSD	1.583885	.7852417	.6480649	1.664057	2.671789	.4947538
#1	1.074395	.0053100	.0184580	1320.186	.1021443	.1118396
#2	1.108853	.0053933	.0182784	1361.233	.0989258	.1108795
#3	1.094431	.0053620	.0182336	1356.239	.0968806	.1118306

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2870041**	**195.7001**	**9.878952**	**268.5969**	**.1969976**	**-.008651**
Stddev	.0204680	3.3004	.154088	3.7434	.0020554	.001027
%RSD	7.131603	1.686481	1.559762	1.393689	1.043356	11.87082
#1	.2647529	192.2427	9.725160	264.7396	.1987856	-.009535
#2	.3050292	198.8172	10.03333	272.2149	.1947520	-.008893
#3	.2912301	196.0402	9.87836	268.8361	.1974554	-.007525

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.530533**	**.1436672**	**4.228131**	**8.271950**	**7.136145**	**-.059770**
Stddev	.518942	.0090011	.085208	.294516	.058778	.003677
%RSD	33.90595	6.265267	2.015258	3.560423	.8236676	6.152549
#1	1.792202	.1416674	4.298070	7.993338	7.196261	-.056410
#2	.932850	.1535001	4.253093	8.580139	7.078802	-.063699
#3	1.866547	.1358342	4.133230	8.242373	7.133373	-.059202

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-03 Acquired: 12/14/2024 19:38:38 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ35 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0045080	12.30667	10.21192	.0955370	1.065548	.7268416
Stddev	.0003795	.12521	.13896	.0014643	.016302	.0093694
%RSD	8.418508	1.017406	1.360724	1.532668	1.529886	1.289049
#1	.0041019	12.43943	10.05423	.0962913	1.047255	.7179144
#2	.0045682	12.19071	10.31644	.0964703	1.078538	.7365980
#3	.0048537	12.28988	10.26508	.0938494	1.070851	.7260126

Elem	Li6707
Units	ppm
Avg	.0733748
Stddev	.0040684
%RSD	5.544675
#1	.0689859
#2	.0770201
#3	.0741182

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2020.573	24922.87	2390.771	1725.801	2187.514
Stddev	14.274	484.54	36.570	27.908	15.862
%RSD	.7064162	1.944168	1.529638	1.617087	.7250952
#1	2009.450	24492.68	2432.816	1698.372	2175.155
#2	2036.668	24828.14	2366.345	1724.865	2205.400
#3	2015.602	25447.78	2373.153	1754.164	2181.988

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-04 Acquired: 12/14/2024 19:42:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ36 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4998826**	**.0222941**	**4.507382**	**.0250930**	**.0434724**	**70.47416**
Stddev	.0044851	.0027152	.135342	.0045397	.0026560	1.55911
%RSD	.8972275	12.17915	3.002665	18.09139	6.109625	2.212312
#1	.5018528	.0218310	4.566847	.0217126	.0404243	71.64693
#2	.4947496	.0252111	4.352489	.0302528	.0447025	71.07069
#3	.5030453	.0198402	4.602811	.0233135	.0452903	68.70487

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.337709**	**.0073001**	**.0367876**	F **1015.152**	**.1638753**	**.1345784**
Stddev	.028364	.0002153	.0012305	22.159	.0030410	.0042163
%RSD	2.120310	2.948814	3.344889	2.182778	1.855700	3.132968
#1	1.359723	.0074930	.0373876	1030.618	.1666334	.1375898
#2	1.347704	.0073394	.0353722	1025.071	.1643783	.1297597
#3	1.305702	.0070678	.0376030	989.767	.1606141	.1363856

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4163735**	**277.1396**	**13.76586**	**449.9338**	**.2848985**	**-.013480**
Stddev	.0117108	6.2776	.29979	8.9282	.0101016	.000992
%RSD	2.812574	2.265133	2.177806	1.984329	3.545666	7.355868
#1	.4297851	281.6375	13.98094	455.9868	.2886094	-.012379
#2	.4111643	279.8136	13.89323	454.1346	.2734664	-.014301
#3	.4081710	269.9678	13.42341	439.6801	.2926198	-.013762

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.429447**	**.2103561**	**8.094439**	**10.45068**	**7.488143**	**-.084742**
Stddev	.478022	.0095336	.127017	.27213	.224167	.001512
%RSD	33.44103	4.532109	1.569183	2.603904	2.993631	1.784485
#1	1.731725	.2199784	8.212611	10.63797	7.591073	-.084947
#2	1.678278	.2101760	8.110584	10.57553	7.230996	-.083137
#3	.878338	.2009139	7.960121	10.13853	7.642360	-.086141

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-04 Acquired: 12/14/2024 19:42:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ36 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0096298	16.09848	8.824740	.1258822	1.263729	.3953117
Stddev	.0006574	.49904	.172612	.0025908	.020438	.0076818
%RSD	6.826249	3.099919	1.956003	2.058127	1.617249	1.943224
#1	.0094774	16.32430	8.960065	.1288675	1.281541	.4012409
#2	.0090621	15.52645	8.883807	.1245576	1.268229	.3980605
#3	.0103500	16.44470	8.630348	.1242215	1.241416	.3866337

Elem	Li6707
Units	ppm
Avg	.1162753
Stddev	.0059653
%RSD	5.130290
#1	.1209880
#2	.1182694
#3	.1095684

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2045.788	25389.52	2449.776	1744.531	2184.717
Stddev	37.532	424.41	48.148	24.014	57.106
%RSD	1.834623	1.671586	1.965397	1.376555	2.613898
#1	2029.464	24986.78	2409.703	1723.159	2158.750
#2	2088.718	25349.08	2436.438	1739.915	2250.193
#3	2019.180	25832.70	2503.186	1770.518	2145.209

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-05 Acquired: 12/14/2024 19:46:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ37 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1718264**	**.0401668**	**1.915819**	**-.021457**	**.0059273**	**30.34506**
Stddev	.0047770	.0035404	.002113	.004337	.0033251	.37649
%RSD	2.780112	8.814142	.1103107	20.21158	56.09891	1.240683
#1	.1676214	.0422991	1.916185	-.018238	.0026467	30.50872
#2	.1770205	.0360801	1.917726	-.019744	.0092952	29.91444
#3	.1708375	.0421213	1.913547	-.026388	.0058400	30.61202

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7516091**	**.0036457**	**.0110991**	F **1611.175**	**.0622190**	**.1005861**
Stddev	.0100338	.0000531	.0001565	13.921	.0000514	.0013361
%RSD	1.334976	1.455871	1.409674	.8640072	.0825572	1.328365
#1	.7591675	.0036403	.0109544	1615.896	.0621997	.1001965
#2	.7402252	.0035955	.0112651	1595.508	.0621801	.1020738
#3	.7554344	.0037013	.0110777	1622.122	.0622772	.0994881

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2167041**	**124.6738**	**11.29718**	**187.9829**	**.1317795**	**-.004708**
Stddev	.0023438	1.4565	.10726	1.8330	.0018563	.000643
%RSD	1.081581	1.168280	.9494799	.9750885	1.408667	13.66199
#1	.2141428	125.2014	11.33657	188.3991	.1338057	-.004629
#2	.2187419	123.0270	11.17579	185.9775	.1301606	-.004108
#3	.2172276	125.7930	11.37919	189.5720	.1313722	-.005387

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.445439**	**.1208458**	**3.785749**	**4.597036**	**3.493888**	**-.041558**
Stddev	.700435	.0096914	.065478	.071743	.011805	.002023
%RSD	48.45827	8.019613	1.729601	1.560641	.3378795	4.868924
#1	.961040	.1320362	3.765184	4.610620	3.484014	-.041890
#2	1.126723	.1151913	3.733021	4.519472	3.506963	-.043395
#3	2.248555	.1153099	3.859041	4.661016	3.490687	-.039389

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-05 Acquired: 12/14/2024 19:46:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ37 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018264	4.119648	7.623187	.0483012	.6072393	.8951451
Stddev	.0000512	.030283	.064734	.0009930	.0079182	.0096324
%RSD	2.801558	.7350825	.8491729	2.055755	1.303967	1.076071
#1	.0018593	4.084694	7.666333	.0483727	.6127707	.8980332
#2	.0017674	4.136273	7.548753	.0472745	.5981688	.8843990
#3	.0018525	4.137977	7.654476	.0492565	.6107784	.9030030

Elem	Li6707
Units	ppm
Avg	.0509210
Stddev	.0043273
%RSD	8.498079
#1	.0558357
#2	.0492449
#3	.0476824

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1968.781	24227.51	2348.298	1675.795	2201.288
Stddev	.753	248.84	14.233	16.671	5.024
%RSD	.0382333	1.027091	.6060933	.9947979	.2282089
#1	1968.667	24264.25	2337.112	1681.766	2205.797
#2	1968.092	24455.94	2364.318	1688.658	2195.873
#3	1969.584	23962.34	2343.463	1656.961	2202.193

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-06 Acquired: 12/14/2024 19:50:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ38 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1675443**	**.0367641**	**5.763290**	**-.011758**	**.0097200**	**59.45952**
Stddev	.0010829	.0043961	.074640	.008913	.0029695	1.00058
%RSD	.6463065	11.95755	1.295087	75.79962	30.55047	1.682797
#1	.1669805	.0415411	5.699358	-.001673	.0122061	59.84970
#2	.1687927	.0328887	5.845312	-.018578	.0064318	60.20623
#3	.1668597	.0358625	5.745199	-.015023	.0105223	58.32263

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.356078**	**.0053077**	**.0060112**	F **1299.009**	**.0706161**	**.1156692**
Stddev	.022949	.0000925	.0002282	21.849	.0011501	.0016771
%RSD	1.692289	1.742888	3.796946	1.681982	1.628673	1.449904
#1	1.360654	.0053127	.0057477	1320.549	.0718725	.1138670
#2	1.376393	.0053976	.0061464	1299.613	.0696153	.1171841
#3	1.331186	.0052128	.0061396	1276.863	.0703606	.1159565

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2276537**	**141.7883**	**12.39376**	**85.33093**	**.1266578**	**-.005110**
Stddev	.0022664	1.9938	.19994	1.39476	.0017887	.000524
%RSD	.9955668	1.406205	1.613201	1.634525	1.412247	10.24876
#1	.2254076	142.3213	12.43859	85.92038	.1256671	-.004518
#2	.2299400	143.4614	12.56747	86.33418	.1287226	-.005511
#3	.2276134	139.5821	12.17521	83.73822	.1255836	-.005302

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.196175**	**.1677939**	**1.215434**	**5.514599**	**6.277896**	**-.051869**
Stddev	.713653	.0094553	.017480	.206925	.073111	.001016
%RSD	59.66124	5.635048	1.438141	3.752311	1.164584	1.958314
#1	.650641	.1681927	1.235608	5.600650	6.215660	-.052841
#2	2.003821	.1770435	1.204788	5.664612	6.358413	-.051953
#3	.934064	.1581456	1.205907	5.278533	6.259614	-.050815

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-06 Acquired: 12/14/2024 19:50:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ38 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010546	2.507731	9.761720	.0553293	1.509348	1.038945
Stddev	.0002339	.029393	.191596	.0018715	.021171	.016026
%RSD	22.17660	1.172080	1.962725	3.382423	1.402682	1.542569
#1	.0012403	2.480879	9.841930	.0545207	1.511280	1.043249
#2	.0007920	2.539133	9.900174	.0539981	1.529487	1.052380
#3	.0011315	2.503182	9.543055	.0574691	1.487277	1.021206

Elem	Li6707
Units	ppm
Avg	.1082153
Stddev	.0034355
%RSD	3.174662
#1	.1121816
#2	.1061715
#3	.1062927

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2161.638	26660.79	2527.911	1848.587	2295.537
Stddev	20.143	416.40	45.276	29.729	28.832
%RSD	.9318583	1.561845	1.791031	1.608217	1.256004
#1	2175.099	26202.01	2501.868	1816.432	2316.315
#2	2138.480	26765.56	2501.674	1854.254	2262.620
#3	2171.334	27014.80	2580.191	1875.075	2307.675

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-07 Acquired: 12/14/2024 19:54:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ39 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1200361**	**.0325832**	**8.564634**	**-.005026**	**.0138970**	**60.08558**	**1.672487**
Stddev	.0034756	.0029443	.069236	.004366	.0043746	.72600	.019174
%RSD	2.895436	9.036168	.8083956	86.88379	31.47876	1.208274	1.146429
#1	.1224156	.0329952	8.557899	-.001415	.0172214	59.61431	1.664955
#2	.1160476	.0294546	8.636991	-.009878	.0089411	60.92164	1.694283
#3	.1216452	.0352997	8.499011	-.003783	.0155286	59.72081	1.658222

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045416**	**.0050542**	**550.5331**	**.0815231**	**.1174551**	**.1672403**	**151.3329**
Stddev	.0001557	.0000244	6.7315	.0015465	.0013997	.0023458	1.5542
%RSD	3.428730	.4832565	1.222730	1.896967	1.191705	1.402663	1.027023
#1	.0046235	.0050357	545.6904	.0816309	.1165568	.1695814	150.2053
#2	.0046393	.0050450	558.2199	.0799255	.1190678	.1672497	153.1059
#3	.0043620	.0050819	547.6890	.0830128	.1167405	.1648898	150.6877

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.43799**	**43.61291**	**.1235990**	**-.005343**	**.9311975**	**.1508772**	**.7275950**
Stddev	.13339	.38452	.0016862	.001082	.2900910	.0090040	.0132436
%RSD	1.072450	.8816603	1.364211	20.25596	31.15246	5.967757	1.820193
#1	12.35397	43.30319	.1225476	-.004609	.8727166	.1490870	.7251355
#2	12.59180	44.04328	.1255439	-.004833	1.246074	.1429029	.7157536
#3	12.36821	43.49226	.1227057	-.006586	.674802	.1606419	.7418960

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.901635**	**8.399871**	**-.059211**	**.0009784**	**2.240754**	**8.950838**	**.0761632**
Stddev	.082665	.080907	.003455	.0007080	.022576	.052403	.0020322
%RSD	1.400711	.9631987	5.834903	72.36792	1.007510	.5854533	2.668239
#1	5.889345	8.383459	-.063133	.0002305	2.237131	8.960785	.0769414
#2	5.989757	8.487726	-.057880	.0010662	2.264922	8.997555	.0776914
#3	5.825804	8.328428	-.056619	.0016384	2.220209	8.894175	.0738569

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-07 Acquired: 12/14/2024 19:54:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ39 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.125774	.4716888	.0966012
Stddev	.012001	.0059244	.0006251
%RSD	1.066039	1.256000	.6471025
#1	1.120181	.4681472	.0961546
#2	1.139551	.4785283	.0963335
#3	1.117590	.4683909	.0973156

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2315.419	28854.59	2733.281	1995.939	2461.612
Stddev	18.463	381.37	24.146	25.923	23.015
%RSD	.7974098	1.321705	.8834192	1.298785	.9349466
#1	2305.719	28975.32	2743.323	2008.663	2456.606
#2	2303.827	29160.99	2705.734	2013.042	2441.511
#3	2336.710	28427.47	2750.785	1966.113	2486.717

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-08 Acquired: 12/14/2024 19:58:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ40 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0695768**	**.0357759**	**9.564502**	**-.023531**	**.0051409**	**49.69055**
Stddev	.0010820	.0007262	.016098	.004758	.0013372	.90965
%RSD	1.555084	2.029835	.1683057	20.21922	26.01117	1.830629
#1	.0686711	.0355866	9.569380	-.026952	.0043525	48.97505
#2	.0692843	.0365780	9.546529	-.025544	.0066848	49.38234
#3	.0707749	.0351631	9.577596	-.018098	.0043853	50.71426

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.148602**	**.0036157**	**.0037535**	F **948.8061**	**.0643953**	**.1028033**
Stddev	.020698	.0001341	.0001740	17.7212	.0018180	.0008323
%RSD	1.802039	3.709917	4.636659	1.867733	2.823234	.8096001
#1	1.133029	.0034624	.0039541	934.7197	.0650944	.1036659
#2	1.140689	.0037114	.0036629	942.9956	.0623315	.1020051
#3	1.172090	.0036733	.0036434	968.7031	.0657600	.1027387

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1259208**	**128.0682**	**13.46315**	**40.15907**	**.0990939**	**-.004225**
Stddev	.0033106	2.5128	.25332	.89996	.0003483	.000492
%RSD	2.629077	1.962101	1.881574	2.240990	.3514682	11.64262
#1	.1221102	126.1626	13.26388	39.41875	.0991742	-.003991
#2	.1275621	127.1261	13.37734	39.89766	.0993951	-.003894
#3	.1280900	130.9160	13.74822	41.16080	.0987125	-.004790

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.011967**	**.1236913**	**.4070675**	**4.674929**	**4.443460**	**-.049706**
Stddev	.296488	.0086160	.0141530	.189141	.012192	.000612
%RSD	29.29818	6.965697	3.476825	4.045856	.2743891	1.230519
#1	.879034	.1185392	.4097638	4.556340	4.455468	-.050346
#2	1.351658	.1188968	.3917603	4.575395	4.431091	-.049127
#3	.805208	.1336381	.4196784	4.893053	4.443822	-.049644

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-08 Acquired: 12/14/2024 19:58:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ40 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000385**	**1.350887**	**9.069850**	**.0318090**	**.8798530**	**.6877804**
Stddev	.000449	.013462	.199014	.0014746	.0145922	.0126134
%RSD	116.4846	.9965161	2.194235	4.635862	1.658486	1.833927
#1	.000079	1.364262	8.915646	.0301066	.8737801	.6787191
#2	-.000418	1.351058	8.999397	.0326916	.8692780	.6824359
#3	-.000817	1.337340	9.294507	.0326287	.8965010	.7021861

Elem	Li6707
Units	ppm
Avg	**.0694291**
Stddev	.0050861
%RSD	7.325643
#1	.0697861
#2	.0743274
#3	.0641739

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2192.079**	**27178.64**	**2546.774**	**1889.170**	**2402.308**
Stddev	9.361	521.70	51.252	32.763	7.183
%RSD	.4270178	1.919516	2.012442	1.734234	.2990022
#1	2186.286	27275.53	2584.910	1895.082	2394.448
#2	2202.878	27645.09	2566.899	1918.575	2408.532
#3	2187.072	26615.28	2488.514	1853.855	2403.945

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-09 Acquired: 12/14/2024 20:01:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJD1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0494880	.0135217	.6944605	.0003676	.0177129	69.35465	.6676237
Stddev	.0014821	.0037100	.0007010	.0049803	.0019948	1.18574	.0099936
%RSD	2.994846	27.43723	.1009396	1354.812	11.26157	1.709670	1.496889
#1	.0505491	.0171181	.6952699	.0028114	.0177896	68.80879	.6632456
#2	.0501203	.0137393	.6940527	-.005363	.0156809	70.71500	.6790592
#3	.0477946	.0097077	.6940589	.003654	.0196683	68.54014	.6605664

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049127	.0046946	164.5618	.0994914	.0863136	.1265237	141.2253
Stddev	.0002100	.0000742	2.7828	.0009320	.0003326	.0070329	2.6824
%RSD	4.273632	1.580072	1.691041	.9367869	.3853758	5.558575	1.899408
#1	.0050269	.0047136	163.4256	.0995777	.0864366	.1344974	139.8691
#2	.0050409	.0046127	167.7329	.0985192	.0865673	.1238697	144.3151
#3	.0046704	.0047574	162.5269	.1003772	.0859370	.1212039	139.4918

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.506523	76.23772	.1580835	-.004213	.9095656	.1651775	1.008439
Stddev	.101904	1.22212	.0008940	.001260	.4069178	.0157724	.006242
%RSD	1.850603	1.603032	.5655124	29.91272	44.73760	9.548751	.6189514
#1	5.464413	75.66297	.1591046	-.005402	.4846239	.1633781	1.002722
#2	5.622733	77.64126	.1577041	-.002892	.9483973	.1817725	1.007496
#3	5.432423	75.40894	.1574417	-.004344	1.295676	.1503820	1.015098

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.05808	7.118703	-.060706	.0007813	2.925125	9.990164	.0270181
Stddev	.18448	.011594	.001927	.0005274	.011818	.157948	.0011261
%RSD	1.834184	.1628614	3.174829	67.49408	.4040140	1.581040	4.168029
#1	9.85481	7.130706	-.061090	.0006982	2.935793	9.963767	.0267209
#2	10.21490	7.107567	-.062412	.0013453	2.912422	10.15965	.0260704
#3	10.10453	7.117835	-.058615	.0003005	2.927161	9.84708	.0282631

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-09 Acquired: 12/14/2024 20:01:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJD1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.281354	.0341410	.0734012
Stddev	.019306	.0002651	.0040521
%RSD	1.506684	.7763892	5.520530
#1	1.272242	.0340135	.0706378
#2	1.303529	.0344457	.0780529
#3	1.268290	.0339637	.0715131

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2251.094	27693.27	2526.311	1934.553	2669.755
Stddev	6.371	73.50	36.144	3.441	7.498
%RSD	.2830061	.2654082	1.430711	.1778530	.2808455
#1	2244.575	27620.94	2532.102	1936.913	2661.097
#2	2257.305	27767.88	2487.620	1936.141	2674.037
#3	2251.403	27691.00	2559.209	1930.605	2674.130

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-10 Acquired: 12/14/2024 20:05:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJD3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0363118	.0161497	.3382093	-.004258	.0185161	82.19509	.7632829
Stddev	.0022206	.0032350	.0023298	.002999	.0008097	.66309	.0063312
%RSD	6.115460	20.03130	.6888566	70.43581	4.373006	.8067252	.8294685
#1	.0370582	.0141178	.3358164	-.000802	.0180467	82.25388	.7627836
#2	.0380631	.0198801	.3404704	-.005789	.0180505	81.50456	.7572161
#3	.0338141	.0144510	.3383409	-.006182	.0194511	82.82682	.7698489

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057882	.0051895	393.8359	.1128430	.1060923	.1095449	171.4734
Stddev	.0001361	.0001344	3.3582	.0024903	.0007087	.0079233	1.1160
%RSD	2.350909	2.589741	.8526843	2.206840	.6679732	7.232947	.6508033
#1	.0059411	.0053149	395.0989	.1155123	.1059538	.1038020	171.6456
#2	.0056803	.0052060	390.0293	.1124344	.1068600	.1062485	170.2814
#3	.0057434	.0050477	396.3794	.1105823	.1054631	.1185843	172.4933

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.589000	139.1599	.1664040	-.007832	1.260404	.1913932	.9902576
Stddev	.041667	1.1356	.0007029	.001913	.405297	.0044045	.0167501
%RSD	.7455129	.8160689	.4224281	24.42336	32.15608	2.301273	1.691493
#1	5.603699	139.2463	.1659824	-.009421	1.719365	.1916480	1.006576
#2	5.541976	137.9834	.1672155	-.005709	.951668	.1868669	.991091
#3	5.621325	140.2498	.1660142	-.008367	1.110180	.1956648	.973106

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.974666	5.952742	-.087430	-.001841	1.289976	9.405876	.0240404
Stddev	.017748	.035129	.001643	.000196	.008411	.048842	.0010412
%RSD	.2225554	.5901393	1.879364	10.64259	.6520536	.5192727	4.330928
#1	7.959124	5.957743	-.086509	-.002053	1.290129	9.370150	.0245803
#2	7.994005	5.985103	-.086455	-.001667	1.298309	9.385946	.0247007
#3	7.970870	5.915380	-.089328	-.001802	1.281489	9.461532	.0228402

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-10 Acquired: 12/14/2024 20:05:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJD3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.553151	.2033002	.1022839
Stddev	.000333	.0016997	.0029369
%RSD	.0214600	.8360355	2.871278
#1	1.553522	.2029878	.1052192
#2	1.552878	.2017785	.0993455
#3	1.553052	.2051344	.1022871

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2151.204	26036.55	2462.943	1805.326	2449.930
Stddev	16.103	486.40	13.616	33.343	19.471
%RSD	.7485641	1.868143	.5528347	1.846924	.7947524
#1	2157.853	25486.87	2468.029	1768.836	2457.503
#2	2132.841	26211.48	2473.283	1812.937	2427.810
#3	2162.918	26411.29	2447.516	1834.206	2464.476

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-11 Acquired: 12/14/2024 20:09:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJD4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0427293	.0177950	.3710504	-.009531	.0201288	83.54270	.8007567
Stddev	.0027691	.0009357	.0028788	.003652	.0056724	.42487	.0044202
%RSD	6.480470	5.258366	.7758490	38.31397	28.18052	.5085710	.5519990
#1	.0458937	.0167297	.3718997	-.013711	.0160097	83.32356	.7976095
#2	.0415442	.0184837	.3678425	-.007924	.0177781	83.27214	.7988504
#3	.0407501	.0181717	.3734091	-.006958	.0265987	84.03240	.8058101

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060424	.0062916	419.1699	.1105136	.1139438	.1259661	180.9168
Stddev	.0001432	.0002143	1.5656	.0006790	.0010270	.0079346	.6064
%RSD	2.369066	3.405919	.3734947	.6143962	.9012746	6.299017	.3352002
#1	.0058943	.0062722	418.0508	.1112359	.1127894	.1169449	180.3901
#2	.0061801	.0060876	418.4998	.1104166	.1142863	.1318630	180.7805
#3	.0060527	.0065149	420.9590	.1098884	.1147557	.1290905	181.5798

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.989126	154.9335	.1789145	-.008173	.4400925	.2041316	1.140526
Stddev	.022078	.8220	.0015141	.000394	.8306870	.0086316	.009718
%RSD	.3686423	.5305510	.8462544	4.826221	188.7528	4.228453	.8520796
#1	5.973776	154.3862	.1786588	-.007934	.6873879	.2036040	1.129934
#2	5.979173	154.5356	.1775446	-.008628	1.119050	.1957758	1.149032
#3	6.014429	155.8787	.1805402	-.007956	-.486160	.2130148	1.142611

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.918723	6.176516	-.082140	-.001466	1.482767	9.956430	.0335146
Stddev	.060964	.043428	.001684	.000499	.013781	.024002	.0014277
%RSD	.8811428	.7031110	2.050714	34.00690	.9294265	.2410738	4.260025
#1	6.864620	6.129667	-.082049	-.001906	1.472697	9.954875	.0327151
#2	6.906771	6.184453	-.080503	-.001569	1.477130	9.933243	.0326658
#3	6.984777	6.215428	-.083868	-.000924	1.498472	9.981172	.0351630

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-11 Acquired: 12/14/2024 20:09:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJD4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.527462	.2405422	.1109413
Stddev	.007999	.0006285	.0051727
%RSD	.5236537	.2612984	4.662566
#1	1.525710	.2404964	.1054649
#2	1.520485	.2399377	.1157443
#3	1.536192	.2411923	.1116147

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2204.461	27208.20	2541.050	1885.577	2471.669
Stddev	13.950	112.80	14.681	8.152	19.818
%RSD	.6327917	.4145811	.5777342	.4323382	.8017949
#1	2218.957	27329.06	2551.889	1893.936	2492.167
#2	2203.295	27105.72	2546.919	1885.149	2470.232
#3	2191.131	27189.81	2524.343	1877.648	2452.609

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-12 Acquired: 12/14/2024 20:13:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJD5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1306092**	**.0199532**	**1.702919**	**.0023098**	**.0285066**	**95.26662**
Stddev	.0011670	.0036547	.015860	.0041418	.0020384	2.18616
%RSD	.8934767	18.31607	.9313205	179.3145	7.150471	2.294776
#1	.1319415	.0230729	1.720553	.0051177	.0268014	96.02702
#2	.1297685	.0208546	1.698382	.0042588	.0279540	96.97103
#3	.1301175	.0159323	1.689822	-.002447	.0307642	92.80180

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.268894**	**.0075674**	**.0099988**	**364.8651**	**.1335562**	**.1401072**
Stddev	.028738	.0003207	.0002845	8.4021	.0009955	.0007271
%RSD	2.264809	4.238338	2.845646	2.302787	.7453750	.5189386
#1	1.277124	.0076685	.0103195	367.7915	.1328084	.1409318
#2	1.292618	.0078255	.0099006	371.4126	.1346861	.1398317
#3	1.236938	.0072083	.0097764	355.3912	.1331740	.1395581

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3221656**	**205.7744**	**9.094653**	**96.28705**	**.2406913**	**-.009582**
Stddev	.0167604	4.3850	.207075	2.26700	.0024980	.000355
%RSD	5.202404	2.130989	2.276886	2.354414	1.037828	3.703176
#1	.3300589	207.2517	9.145277	96.71640	.2427481	-.009580
#2	.3335220	209.2299	9.271722	98.30867	.2414142	-.009228
#3	.3029160	200.8415	8.866961	93.83608	.2379116	-.009938

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.147974**	**.2575063**	**1.509953**	**7.098601**	F **18.13915**	**-.094426**
Stddev	.185657	.0069460	.008883	.139513	.18983	.001683
%RSD	16.17258	2.697404	.5882760	1.965357	1.046509	1.782110
#1	.999762	.2641878	1.506220	7.131578	18.32197	-.093593
#2	1.087941	.2580081	1.520093	7.218671	18.15246	-.096363
#3	1.356220	.2503230	1.503547	6.945554	17.94302	-.093322

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-12 Acquired: 12/14/2024 20:13:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJD5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032532	2.221325	8.766145	.0714279	1.483088	.3308554
Stddev	.0006789	.026634	.193931	.0013218	.039509	.0084254
%RSD	20.86802	1.199005	2.212269	1.850540	2.663991	2.546540
#1	.0029091	2.250748	8.808405	.0729256	1.493280	.3339781
#2	.0028153	2.214363	8.935461	.0709341	1.516502	.3372736
#3	.0040352	2.198863	8.554569	.0704242	1.439481	.3213145

Elem	Li6707
Units	ppm
Avg	.1238276
Stddev	.0031701
%RSD	2.560075
#1	.1235613
#2	.1271224
#3	.1207990

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2412.340	29872.11	2827.195	2072.176	2424.648
Stddev	14.967	146.24	56.730	13.733	21.493
%RSD	.6204461	.4895508	2.006577	.6627528	.8864430
#1	2398.921	30027.99	2812.947	2083.108	2403.332
#2	2409.617	29737.94	2778.948	2056.762	2424.297
#3	2428.482	29850.40	2889.691	2076.658	2446.314

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-13 Acquired: 12/14/2024 20:17:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJD6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2301316**	**.0203825**	**2.008549**	**.0224410**	**.0364497**	**80.00272**	**1.556580**
Stddev	.0014862	.0025530	.051005	.0033329	.0008598	1.68652	.029316
%RSD	.6457942	12.52539	2.539397	14.85206	2.358800	2.108079	1.883385
#1	.2302115	.0210510	1.971319	.0260383	.0370330	80.45138	1.570369
#2	.2286072	.0175618	1.987642	.0194578	.0354623	78.13724	1.522912
#3	.2315763	.0225347	2.066686	.0218269	.0368537	81.41954	1.576460

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0079380**	**.0084110**	**127.8487**	**.1151380**	**.1226625**	**.3427129**	**219.1636**
Stddev	.0002204	.0004172	2.4903	.0036159	.0035677	.0015417	4.3912
%RSD	2.776316	4.959835	1.947820	3.140509	2.908544	.4498535	2.003621
#1	.0081113	.0079946	128.6349	.1185545	.1196561	.3419771	220.5807
#2	.0076900	.0084094	125.0603	.1113511	.1217265	.3444846	214.2388
#3	.0080129	.0088289	129.8510	.1155083	.1266049	.3416769	222.6713

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.21483**	**26.83983**	**.1687779**	**-.006702**	**1.245394**	**.2877655**	**1.308504**
Stddev	.27658	.41186	.0044503	.000269	.083552	.0072813	.039065
%RSD	1.705696	1.534493	2.636749	4.018234	6.708899	2.530279	2.985459
#1	16.32836	26.95511	.1658147	-.006980	1.165492	.2832858	1.330530
#2	15.89956	26.38262	.1666236	-.006442	1.332172	.2838438	1.263400
#3	16.41658	27.18176	.1738953	-.006685	1.238518	.2961671	1.331582

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.590504**	**7.543543**	**-.095944**	**.0135583**	**3.216999**	**9.325654**	**.2257807**
Stddev	.286552	.182670	.002175	.0008889	.072866	.187431	.0049299
%RSD	4.347947	2.421547	2.266901	6.556128	2.265033	2.009843	2.183508
#1	6.643033	7.416557	-.095483	.0126393	3.168436	9.430847	.2227305
#2	6.281322	7.461178	-.098312	.0136219	3.181777	9.109255	.2231433
#3	6.847157	7.752893	-.094036	.0144136	3.300785	9.436860	.2314683

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-13 Acquired: 12/14/2024 20:17:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJD6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.386427	.1724315	.1171178
Stddev	.020937	.0026517	.0032924
%RSD	1.510113	1.537839	2.811205
#1	1.401956	.1739079	.1172363
#2	1.362617	.1693702	.1137678
#3	1.394709	.1740164	.1203494

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2407.071	29307.56	2662.879	2048.209	2690.178
Stddev	46.032	650.87	42.696	43.021	61.834
%RSD	1.912356	2.220814	1.603360	2.100439	2.298493
#1	2444.709	28950.43	2643.169	2020.821	2737.638
#2	2420.755	30058.81	2711.869	2097.796	2712.644
#3	2355.749	28913.43	2633.599	2026.012	2620.252

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-14 Acquired: 12/14/2024 20:20:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJD7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1061061	.0287109	.9559456	.0233299	.0348993	83.13134	1.053120
Stddev	.0079084	.0046263	.0017114	.0005300	.0047062	.73707	.008253
%RSD	7.453290	16.11342	.1790238	2.271757	13.48511	.8866362	.7836718
#1	.1124381	.0319829	.9563795	.0227549	.0295557	83.85427	1.061259
#2	.1086384	.0234179	.9573982	.0237988	.0384273	82.38089	1.044758
#3	.0972417	.0307318	.9540590	.0234361	.0367149	83.15885	1.053342

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0077914	.0060144	125.0997	.1026290	.1230702	.2043786	215.6291
Stddev	.0001517	.0000282	1.3489	.0018696	.0006659	.0016412	1.8315
%RSD	1.947375	.4697039	1.078242	1.821713	.5410826	.8030080	.8493690
#1	.0079247	.0060305	126.3456	.1034608	.1223189	.2041160	217.1958
#2	.0078232	.0059818	123.6673	.1004878	.1233038	.2028845	213.6155
#3	.0076263	.0060308	125.2863	.1039383	.1235878	.2061352	216.0759

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.01020	37.47723	.1486306	-.007794	.1942878	.1893190	.5003931
Stddev	.15307	.49722	.0003183	.000827	.5857597	.0003158	.0026523
%RSD	.8051845	1.326723	.2141429	10.61393	301.4908	.1668252	.5300504
#1	19.14605	37.83634	.1485304	-.006931	-.208797	.1896468	.5033989
#2	18.84436	36.90972	.1489869	-.007872	.866209	.1890167	.4983814
#3	19.04020	37.68563	.1483745	-.008580	-.074549	.1892937	.4993991

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.967626	7.861807	-.093631	.0034017	2.876427	6.651899	.0638597
Stddev	.136570	.034187	.002334	.0003270	.008436	.086033	.0014319
%RSD	1.960069	.4348482	2.492930	9.612925	.2932901	1.293359	2.242295
#1	7.039582	7.822540	-.096305	.0032130	2.868303	6.748587	.0622128
#2	6.810124	7.877929	-.092001	.0037793	2.885145	6.583801	.0648100
#3	7.053173	7.884952	-.092586	.0032129	2.875833	6.623309	.0645564

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-14 Acquired: 12/14/2024 20:20:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJD7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	**1.260543**	**.0744766**	**.1197755**
Stddev	.011771	.0005879	.0021082
%RSD	.9338424	.7893676	1.760166
#1	1.273285	.0751331	.1196735
#2	1.250072	.0739988	.1177201
#3	1.258274	.0742979	.1219329

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2333.208**	**28464.77**	**2668.665**	**1978.123**	**2564.310**
Stddev	4.912	332.65	27.857	20.108	5.042
%RSD	.2105221	1.168643	1.043854	1.016511	.1966095
#1	2332.727	28364.24	2637.088	1971.323	2564.895
#2	2338.343	28836.10	2689.764	2000.750	2569.034
#3	2328.555	28193.99	2679.142	1962.298	2559.002

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCV020 Acquired: 12/14/2024 20:24:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV020 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.005453**	**5.265184**	**24.48401**	**4.689288**	**4.793764**	**420.9173**	**10.67774**
Stddev	.033928	.126826	.60719	.120297	.139566	16.1448	.40482
%RSD	.6778117	2.408773	2.479952	2.565352	2.911411	3.835627	3.791294
#1	4.979122	5.178389	24.08503	4.610835	4.697230	424.4882	10.75658
#2	4.993496	5.206430	24.18420	4.629241	4.730273	403.2860	10.23930
#3	5.043739	5.410733	25.18279	4.827787	4.953788	434.9778	11.03735

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4786399**	**2.437541**	**410.9626**	**14.84729**	**2.333342**	**15.38061**	**417.7279**
Stddev	.0114250	.057424	15.4595	.01239	.055428	.56114	16.3054
%RSD	2.386978	2.355817	3.761784	.0834635	2.375473	3.648391	3.903344
#1	.4802156	2.398860	414.8283	14.85264	2.296661	15.52250	421.2233
#2	.4665088	2.410240	393.9371	14.85612	2.306261	14.76214	399.9583
#3	.4891953	2.503522	424.1225	14.83313	2.397104	15.85719	432.0021

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.31816**	**390.0053**	**2.422733**	**1.263444**	**406.8350**	**2.535072**	**13.89925**
Stddev	.59220	15.0567	.057935	.001489	14.5412	.092481	.23771
%RSD	3.866000	3.860649	2.391323	.1178696	3.574232	3.648079	1.710218
#1	15.42198	393.0447	2.383186	1.264745	408.3745	2.553816	14.02304
#2	14.68092	373.6606	2.395778	1.261820	391.5853	2.434655	13.62519
#3	15.85159	403.3104	2.489235	1.263769	420.5452	2.616746	14.04951

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**153.7955**	**4.910715**	**4.661115**	**5.005558**	**4.822044**	**5.017615**	**5.037361**
Stddev	5.7838	.123437	.113911	.135868	.116283	.122827	.124221
%RSD	3.760686	2.513627	2.443857	2.714334	2.411490	2.447915	2.465988
#1	155.0493	4.830700	4.677782	4.910028	4.743130	5.046467	4.951490
#2	147.4876	4.848570	4.539789	4.945547	4.767420	4.882930	4.980796
#3	158.8495	5.052874	4.765775	5.161098	4.955582	5.123447	5.179798

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCV020 Acquired: 12/14/2024 20:24:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV020 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.195728	4.767337	5.265324
Stddev	.200528	.183510	.185040
%RSD	3.859472	3.849325	3.514321
#1	5.217881	4.805453	5.308264
#2	4.985043	4.567762	5.062589
#3	5.384259	4.928796	5.425119

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1626.876	21962.18	2133.183	1445.714	2241.554
Stddev	35.787	52.14	55.195	5.548	44.208
%RSD	2.199721	.2373916	2.587458	.3837321	1.972200
#1	1650.140	21902.77	2123.051	1440.920	2267.232
#2	1644.822	22000.30	2192.742	1451.791	2266.922
#3	1585.668	21983.47	2083.755	1444.433	2190.507

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCB020 Acquired: 12/14/2024 20:28:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB020 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001730**	**-.003586**	**.0052675**	**.0026484**	**-.001244**	**.0053000**
Stddev	.002220	.002078	.0020428	.0018785	.001967	.0183906
%RSD	128.2726	57.95232	38.78164	70.92919	158.0952	346.9929
#1	-.004201	-.001321	.0069755	.0025273	-.000244	.0098090
#2	-.001085	-.005405	.0030045	.0008334	-.003510	-.014926
#3	.000095	-.004032	.0058225	.0045845	.000022	.021017

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001946**	**.0000416**	**-.000258**	**-.056177**	**.0002607**	**-.000171**
Stddev	.001077	.0000261	.000094	.045003	.0006048	.000181
%RSD	55.34650	62.82128	36.50563	80.11005	231.9939	105.8330
#1	-.001224	.0000356	-.000285	-.089950	.0008461	-.000380
#2	-.001429	.0000702	-.000336	-.005088	-.000362	-.000069
#3	-.003184	.0000190	-.000153	-.073493	.000298	-.000064

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.016729**	**.0077867**	**-.000408**	**.0074716**	**-.000873**	**.0020433**
Stddev	.006263	.0177110	.002030	.0443131	.000289	.0005028
%RSD	37.43551	227.4514	497.5869	593.0888	33.15834	24.60837
#1	-.010225	.0189091	.001330	-.025511	-.000948	.0025920
#2	-.017245	.0170882	.000085	.057841	-.000553	.0016045
#3	-.022719	-.012637	-.002638	-.009916	-.001118	.0019334

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0021160**	**-.003004**	**.0005933**	**.2432888**	**-.001968**	**-.003125**
Stddev	.1631721	.000854	.0027674	.1964159	.003232	.000700
%RSD	7711.304	28.41707	466.4019	80.73365	164.1805	22.40556
#1	-.184393	-.003159	.0000609	.4473561	-.005700	-.002414
#2	.072220	-.002083	.0035883	.2269673	-.000158	-.003146
#3	.118521	-.003769	-.001869	.0555428	-.000048	-.003814

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCB020 Acquired: 12/14/2024 20:28:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB020 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004943	-.008668	-.036891	-.000408	-.003180	.0001367
Stddev	.0006513	.004063	.000294	.000830	.002723	.0001112
%RSD	131.7715	46.87872	.7969376	203.5319	85.62671	81.33489
#1	.0012229	-.004965	-.037193	-.001343	-.006065	.0000092
#2	-.000031	-.008024	-.036872	-.000125	-.000654	.0001876
#3	.000291	-.013015	-.036606	.000244	-.002822	.0002133

Elem	Li6707
Units	ppm
Avg	F -.017461
Stddev	.001492
%RSD	8.546332
#1	-.019182
#2	-.016673
#3	-.016527

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2025.037	24759.54	2209.653	1726.939	2865.738
Stddev	3.167	21.51	20.191	4.369	8.190
%RSD	.1563834	.0868645	.9137533	.2530095	.2857958
#1	2022.967	24746.34	2186.580	1722.114	2860.673
#2	2023.462	24784.35	2218.293	1728.073	2861.353
#3	2028.683	24747.92	2224.087	1730.629	2875.187

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-15 Acquired: 12/14/2024 20:39:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJE9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0228353**	**.0403058**	**.0908630**	**-.033329**	**.0000120**	**34.94428**
Stddev	.0034864	.0033103	.0033536	.002909	.0031674	.04788
%RSD	15.26756	8.213013	3.690852	8.726860	26309.94	.1370244
#1	.0236516	.0379237	.0878904	-.030264	.0003532	34.96298
#2	.0190132	.0440858	.0944986	-.033671	.0029951	34.97998
#3	.0258412	.0389080	.0901999	-.036051	-.003312	34.88987

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5894401**	**.0023980**	**.0025659**	F **1613.508**	**.0465150**	**.1009241**
Stddev	.0018061	.0001121	.0000442	11.641	.0015213	.0007538
%RSD	.3064080	4.675343	1.721655	.7214669	3.270635	.7468688
#1	.5883066	.0024858	.0026169	1600.971	.0476047	.1003672
#2	.5915229	.0024365	.0025400	1623.975	.0447769	.1006233
#3	.5884908	.0022717	.0025407	1615.579	.0471635	.1017818

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1219436**	**110.2962**	**14.72856**	**68.13786**	**.1042816**	**-.003788**
Stddev	.0076377	.5907	.08917	.41854	.0008139	.000352
%RSD	6.263273	.5355512	.6054456	.6142590	.7804449	9.282976
#1	.1248726	110.4161	14.76687	68.04763	.1042669	-.004122
#2	.1276833	110.8176	14.79218	68.59416	.1034752	-.003421
#3	.1132750	109.6547	14.62664	67.77179	.1051027	-.003821

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4153066**	**.0778142**	**.1374463**	**4.551188**	**4.875344**	**-.035576**
Stddev	.3262390	.0046198	.0106354	.161932	.050448	.001459
%RSD	78.55376	5.936967	7.737829	3.558019	1.034748	4.100591
#1	.7373895	.0780963	.1445260	4.627118	4.819109	-.034189
#2	.4234657	.0730598	.1252163	4.365243	4.890306	-.037098
#3	.0850646	.0822865	.1425967	4.661202	4.916619	-.035442

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-15 Acquired: 12/14/2024 20:39:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJE9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004201	1.128733	7.439104	.0190035	.5707318	.9149458
Stddev	.000912	.016791	.024546	.0036388	.0019546	.0039945
%RSD	21.72004	1.487582	.3299558	19.14818	.3424689	.4365827
#1	-.003738	1.109382	7.412133	.0150993	.5697252	.9167681
#2	-.005252	1.139453	7.445046	.0223005	.5729846	.9177042
#3	-.003613	1.137365	7.460134	.0196106	.5694857	.9103651

Elem	Li6707
Units	ppm
Avg	.0439822
Stddev	.0005109
%RSD	1.161669
#1	.0445059
#2	.0439557
#3	.0434851

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2023.737	25121.80	2403.185	1739.186	2256.929
Stddev	2.530	608.49	6.823	37.600	10.547
%RSD	.1250183	2.422151	.2839033	2.161946	.4673354
#1	2023.411	24935.14	2407.666	1730.690	2268.616
#2	2026.414	25801.76	2395.333	1780.308	2254.056
#3	2021.385	24628.51	2406.555	1706.561	2248.116

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-16 Acquired: 12/14/2024 20:43:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0442427	.0554723	.3783950	-.030558	.0033002	39.14034
Stddev	.0034196	.0041466	.0040552	.004239	.0029084	.37672
%RSD	7.729122	7.475124	1.071682	13.87303	88.12687	.9624862
#1	.0412187	.0527124	.3829188	-.028854	.0004072	39.11997
#2	.0435557	.0602407	.3771796	-.035384	.0032697	38.77422
#3	.0479536	.0534638	.3750864	-.027436	.0062237	39.52684

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6857454	.0026789	.0041934	F 2342.602	.0490514	.1197718
Stddev	.0035182	.0001579	.0000381	9.971	.0005402	.0007410
%RSD	.5130526	5.895841	.9081001	.4256195	1.101255	.6186570
#1	.6852583	.0028415	.0041687	2340.681	.0495988	.1193731
#2	.6824961	.0025261	.0041741	2353.393	.0485187	.1206267
#3	.6894818	.0026691	.0042372	2333.731	.0490366	.1193155

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1252747	125.4114	20.56725	96.95231	.1124219	-.003922
Stddev	.0078211	1.0909	.16187	.50591	.0013637	.001567
%RSD	6.243167	.8698298	.7870290	.5218162	1.213052	39.94601
#1	.1167179	125.2104	20.54750	96.92331	.1120783	-.005088
#2	.1320543	124.4350	20.41616	96.46152	.1139246	-.004535
#3	.1270517	126.5888	20.73809	97.47210	.1112628	-.002141

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7275303	.0979684	.3972595	4.789280	5.829275	-.044239
Stddev	.2792315	.0069975	.0049853	.169016	.032516	.000645
%RSD	38.38074	7.142579	1.254915	3.529052	.5577967	1.457502
#1	.8806208	.0898894	.3969732	4.635570	5.860540	-.043788
#2	.4052358	.1021120	.3924235	4.761988	5.795639	-.043952
#3	.8967343	.1019041	.4023817	4.970281	5.831645	-.044977

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-16 Acquired: 12/14/2024 20:43:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002832	1.597844	8.204139	.0334145	.6378694	1.224977
Stddev	.000598	.005097	.042988	.0007522	.0076415	.009074
%RSD	21.10512	.3189646	.5239765	2.251056	1.197969	.7407172
#1	-.002414	1.599740	8.218901	.0327518	.6367321	1.225261
#2	-.003517	1.592071	8.155715	.0342321	.6308603	1.215764
#3	-.002566	1.601721	8.237801	.0332597	.6460158	1.233905

Elem	Li6707
Units	ppm
Avg	.0439491
Stddev	.0022571
%RSD	5.135831
#1	.0413505
#2	.0450743
#3	.0454224

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2116.759	26092.31	2556.240	1811.522	2197.161
Stddev	3.808	32.41	13.707	6.181	7.249
%RSD	.1798968	.1242116	.5362341	.3411894	.3299190
#1	2112.551	26090.83	2553.578	1805.121	2189.454
#2	2117.759	26060.67	2571.083	1817.456	2198.189
#3	2119.967	26125.43	2544.059	1811.989	2203.842

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-17 Acquired: 12/14/2024 20:47:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1006347**	**.0498260**	**.4123147**	**.0026405**	**.0208084**	**60.62176**	**1.425995**
Stddev	.0007915	.0023448	.0069824	.0026226	.0020606	1.06110	.024110
%RSD	.7865233	4.705956	1.693467	99.32082	9.902974	1.750366	1.690736
#1	.1000884	.0497743	.4141757	.0038189	.0187864	60.39884	1.425304
#2	.1002733	.0475075	.4181781	-.000365	.0207331	59.68982	1.402238
#3	.1015424	.0521962	.4045904	.004467	.0229056	61.77661	1.450443

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0049218**	**.0068369**	**680.2488**	**.0786756**	**.1401788**	**.1970261**	**184.5791**
Stddev	.0000788	.0002499	11.8243	.0023479	.0020071	.0104105	3.1227
%RSD	1.601462	3.655359	1.738227	2.984247	1.431787	5.283833	1.691786
#1	.0048312	.0069198	678.2350	.0804416	.1394865	.2061327	183.6400
#2	.0049752	.0070348	669.5608	.0795741	.1424404	.1992684	182.0338
#3	.0049589	.0065560	692.9507	.0760112	.1386096	.1856771	188.0636

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.34916**	**55.99114**	**.1684018**	**-.004943**	**.8493015**	**.1473207**	**.4524256**
Stddev	.47284	.96735	.0023148	.001083	.4792797	.0041422	.0088558
%RSD	1.728900	1.727686	1.374561	21.91183	56.43223	2.811671	1.957402
#1	27.26344	55.82184	.1681808	-.004601	1.054655	.1444336	.4606648
#2	26.92505	55.11962	.1708192	-.006156	.301561	.1520667	.4535512
#3	27.85900	57.03197	.1662055	-.004072	1.191688	.1454618	.4430609

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.655077**	**9.589906**	**-.060432**	**-.000738**	**2.682064**	**9.306758**	**.0357527**
Stddev	.180167	.114176	.001661	.000066	.028233	.068678	.0018739
%RSD	2.707208	1.190590	2.748387	8.942440	1.052667	.7379421	5.241260
#1	6.623564	9.540953	-.061335	-.000663	2.677396	9.285406	.0368599
#2	6.492746	9.720396	-.061445	-.000787	2.712340	9.251291	.0335891
#3	6.848921	9.508368	-.058515	-.000764	2.656456	9.383576	.0368092

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-17 Acquired: 12/14/2024 20:47:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9391691	.4361037	.0533901
Stddev	.0227699	.0075006	.0037646
%RSD	2.424468	1.719902	7.051018
#1	.9311002	.4357828	.0535295
#2	.9215325	.4287687	.0495578
#3	.9648746	.4437595	.0570831

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2327.422	29021.99	2711.743	2020.697	2380.439
Stddev	18.363	438.85	30.597	30.889	25.597
%RSD	.7889814	1.512127	1.128324	1.528623	1.075324
#1	2340.508	28650.44	2727.037	1994.408	2393.506
#2	2306.430	28909.34	2731.678	2012.967	2350.945
#3	2335.327	29506.18	2676.514	2054.717	2396.866

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-18 Acquired: 12/14/2024 20:50:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1094712	.0472529	.6021344	-.001358	.0245064	56.81608	1.675587
Stddev	.0030407	.0056147	.0054250	.011213	.0041822	5.63756	.162364
%RSD	2.777662	11.88233	.9009597	825.6457	17.06557	9.922477	9.689981
#1	.1109349	.0514112	.5973980	.002183	.0286763	59.52979	1.754932
#2	.1059755	.0494815	.6009522	-.013914	.0203121	50.33488	1.488808
#3	.1115034	.0408660	.6080530	.007657	.0245310	60.58358	1.783021

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049912	.0066465	670.8753	.0868676	.1335848	.1772542	195.6658
Stddev	.0003587	.0004050	64.6852	.0062861	.0003371	.0284613	18.9245
%RSD	7.186222	6.093575	9.641907	7.236461	.2523391	16.05676	9.671846
#1	.0052968	.0064182	702.3283	.0883257	.1332018	.1873057	204.7114
#2	.0045963	.0071141	596.4785	.0922966	.1337164	.1451310	173.9160
#3	.0050805	.0064072	713.8191	.0799806	.1338363	.1993258	208.3699

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.74538	77.16880	.1621995	-.006201	1.046313	.1652699	.5424144
Stddev	2.47486	7.50121	.0011341	.001862	.586335	.0160635	.0206531
%RSD	9.612822	9.720521	.6992103	30.01942	56.03824	9.719580	3.807631
#1	26.98404	80.98917	.1633672	-.006524	1.253321	.1729561	.5612711
#2	22.89576	68.52647	.1611023	-.007880	.384553	.1468073	.5456302
#3	27.35635	81.99074	.1621288	-.004199	1.501065	.1760462	.5203421

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.675425	9.964121	-.060152	.0010797	2.734968	9.273183	.0473549
Stddev	1.004726	.015559	.006639	.0005216	.004896	.656780	.0042781
%RSD	13.09017	.1561454	11.03714	48.30929	.1790168	7.082569	9.034035
#1	8.189031	9.962309	-.053866	.0013730	2.731328	9.666479	.0486800
#2	6.517717	9.949547	-.067095	.0013887	2.733041	8.514977	.0425710
#3	8.319527	9.980506	-.059495	.0004775	2.740534	9.638095	.0508136

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-18 Acquired: 12/14/2024 20:50:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.619290	.5284661	.0653193
Stddev	.156721	.0512135	.0117094
%RSD	9.678408	9.690976	17.92634
#1	1.697510	.5539599	.0703593
#2	1.438854	.4695091	.0519339
#3	1.721505	.5619293	.0736648

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2284.321	28622.60	2690.835	1985.176	2399.912
Stddev	8.207	1056.47	203.957	76.446	9.072
%RSD	.3592774	3.691044	7.579683	3.850866	.3780339
#1	2275.293	28006.38	2581.604	1938.761	2395.113
#2	2291.331	28018.93	2926.143	1943.359	2410.376
#3	2286.338	29842.49	2564.758	2073.409	2394.246

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-19 Acquired: 12/14/2024 20:54:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1498373**	**.0401989**	**1.197341**	**.0025161**	**.0273210**	**57.31819**	**1.823753**
Stddev	.0025360	.0040395	.014304	.0037136	.0040264	1.58557	.049754
%RSD	1.692524	10.04867	1.194645	147.5974	14.73745	2.766266	2.728109
#1	.1492759	.0440585	1.200667	.0063857	.0318709	57.40199	1.829358
#2	.1476291	.0360009	1.209689	.0021814	.0242179	55.69237	1.771435
#3	.1526070	.0405374	1.181667	-.001019	.0258741	58.86020	1.870468

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0065565**	**.0070402**	**744.9924**	**.0778494**	**.1284006**	**.2591742**	**208.0495**
Stddev	.0002140	.0002648	19.3131	.0023651	.0022604	.0169524	5.3326
%RSD	3.264307	3.761591	2.592384	3.037993	1.760410	6.540909	2.563124
#1	.0065249	.0070756	746.7247	.0788479	.1285318	.2640857	208.2342
#2	.0063600	.0072855	724.8716	.0795515	.1305925	.2403084	202.6270
#3	.0067845	.0067594	763.3810	.0751489	.1260774	.2731286	213.2874

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.70179**	**133.6830**	**.1703461**	**-.007051**	**2.123638**	**.1695325**	**.7741652**
Stddev	.56765	3.3534	.0025375	.001623	.280079	.0022437	.0171511
%RSD	2.500460	2.508454	1.489597	23.01371	13.18864	1.323473	2.215428
#1	22.73717	133.5722	.1718990	-.008151	2.116716	.1698860	.7878015
#2	22.11728	130.3864	.1717215	-.007816	1.847085	.1671330	.7797847
#3	23.25092	137.0904	.1674179	-.005187	2.407114	.1715784	.7549093

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.859856**	**8.738512**	**-.055748**	**.0069072**	**4.792766**	**9.022330**	**.1153232**
Stddev	.326438	.120955	.000087	.0001829	.062335	.204016	.0005985
%RSD	4.153236	1.384156	.1563556	2.647917	1.300605	2.261238	.5189928
#1	7.727821	8.783930	-.055734	.0067488	4.816629	8.978919	.1157724
#2	7.620118	8.830183	-.055669	.0068655	4.839644	8.843513	.1146437
#3	8.231631	8.601422	-.055841	.0071074	4.722025	9.244558	.1155534

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4982-19 Acquired: 12/14/2024 20:54:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.280501	.7521857	.0888453
Stddev	.031393	.0193478	.0049790
%RSD	2.451612	2.572209	5.604114
#1	1.278122	.7546877	.0916313
#2	1.250366	.7317087	.0830969
#3	1.313016	.7701609	.0918076

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2216.868	27642.48	2595.768	1918.202	2341.381
Stddev	19.405	588.28	55.904	41.616	28.096
%RSD	.8753500	2.128183	2.153654	2.169551	1.199957
#1	2207.792	27446.20	2616.646	1908.703	2329.287
#2	2203.664	27177.43	2638.229	1882.156	2321.358
#3	2239.148	28303.81	2532.430	1963.747	2373.498

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-04 Acquired: 12/14/2024 20:58:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ50 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0234123	.0334058	.3504747	-.032020	-.003236	28.91033
Stddev	.0022448	.0020356	.0017324	.006059	.004364	.37360
%RSD	9.588073	6.093549	.4942951	18.92135	134.8634	1.292275
#1	.0225631	.0348729	.3487617	-.030518	-.007786	28.66898
#2	.0217161	.0342627	.3504366	-.026854	-.002837	28.72134
#3	.0259579	.0310819	.3522259	-.038688	.000915	29.34066

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2661287	.0024706	.0050780	F 1335.088	.1110446	.0770599
Stddev	.0027598	.0000282	.0001299	24.398	.0025284	.0009388
%RSD	1.037021	1.139558	2.557887	1.827450	2.276884	1.218250
#1	.2646070	.0024688	.0049927	1324.461	.1134877	.0763399
#2	.2644647	.0024997	.0052275	1317.805	.1112071	.0781217
#3	.2693144	.0024434	.0050138	1362.997	.1084388	.0767180

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0665772	90.19668	7.432618	637.3219	.0894704	-.003001
Stddev	.0050052	1.09810	.094619	8.2870	.0012908	.000705
%RSD	7.517907	1.217448	1.273026	1.300286	1.442681	23.48895
#1	.0707977	89.49538	7.376386	631.2287	.0895423	-.003326
#2	.0610475	89.63247	7.379609	633.9787	.0907237	-.002192
#3	.0678863	91.46218	7.541859	646.7583	.0881452	-.003484

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.189213	.0996318	.8754116	6.973084	4.095195	.0286840
Stddev	.618218	.0065899	.0057504	.115931	.023671	.0040538
%RSD	51.98541	6.614235	.6568780	1.662546	.5780309	14.13262
#1	1.900189	.1041563	.8810878	6.839847	4.078171	.0307035
#2	.889206	.1026680	.8755570	7.028475	4.122226	.0240171
#3	.778245	.0920711	.8695898	7.050928	4.085187	.0313314

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-04 Acquired: 12/14/2024 20:58:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ50 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003748	21.86854	9.200397	.0255306	.7549455	.6543040
Stddev	.000268	.12363	.130190	.0013064	.0129342	.0090921
%RSD	7.139721	.5653432	1.415048	5.116782	1.713259	1.389577
#1	-.003647	21.78747	9.276475	.0266152	.7454304	.6474825
#2	-.004052	22.01084	9.050071	.0240804	.7497337	.6508034
#3	-.003546	21.80731	9.274646	.0258962	.7696725	.6646260

Elem	Li6707
Units	ppm
Avg	.0355767
Stddev	.0026338
%RSD	7.403278
#1	.0360729
#2	.0327301
#3	.0379272

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1876.390	22803.96	2237.873	1565.523	2173.630
Stddev	8.993	328.26	25.904	18.370	10.777
%RSD	.4792541	1.439479	1.157524	1.173380	.4958240
#1	1883.658	22554.49	2243.308	1549.556	2182.836
#2	1866.333	22681.55	2260.628	1561.413	2161.775
#3	1879.177	23175.83	2209.683	1585.599	2176.280

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-05 Acquired: 12/14/2024 21:02:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ51 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0242122**	**.0370790**	**.3916106**	**-.046946**	**-.011255**	**16.57506**
Stddev	.0034779	.0041853	.0015435	.005570	.000517	.78557
%RSD	14.36413	11.28747	.3941393	11.86497	4.595322	4.739441
#1	.0240042	.0330081	.3923144	-.045926	-.011838	16.16355
#2	.0208430	.0413700	.3898406	-.041957	-.010853	17.48089
#3	.0277894	.0368590	.3926766	-.052956	-.011073	16.08074

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1421641**	**.0018874**	**.0149336**	F **2036.546**	**.0454429**	**.0773723**
Stddev	.0071255	.0000674	.0001859	105.742	.0050524	.0007409
%RSD	5.012159	3.571825	1.244988	5.192240	11.11810	.9575547
#1	.1381453	.0019585	.0147459	1993.096	.0469596	.0765989
#2	.1503912	.0018792	.0151177	2157.092	.0398059	.0780757
#3	.1379558	.0018244	.0149372	1959.451	.0495632	.0774421

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0299198**	**91.49853**	**10.10729**	F **1112.344**	**.0689551**	**-.001366**
Stddev	.0069242	4.47060	.51495	54.926	.0005630	.001311
%RSD	23.14254	4.885980	5.094861	4.937869	.8164684	95.96615
#1	.0259787	89.17266	9.83864	1082.420	.0695875	-.001560
#2	.0258658	96.65258	10.70101	1175.734	.0687697	.000031
#3	.0379149	88.67035	9.78221	1078.878	.0685082	-.002568

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.400397**	**.0514076**	**2.532415**	**7.338463**	**1.499639**	**.0530667**
Stddev	.251235	.0127403	.152678	.696639	.011282	.0073709
%RSD	17.94028	24.78299	6.028965	9.492980	.7523258	13.88984
#1	1.590404	.0483888	2.587509	6.840442	1.494521	.0496181
#2	1.495243	.0653862	2.359836	8.134545	1.491823	.0615298
#3	1.115546	.0404478	2.649899	7.040403	1.512573	.0480524

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-05 Acquired: 12/14/2024 21:02:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ51 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004436	21.72031	8.056539	.0218796	.1080317	.6026103
Stddev	.000451	.13955	.320494	.0022867	.0044630	.0301261
%RSD	10.17641	.6424793	3.978061	10.45115	4.131195	4.999259
#1	-.004877	21.60674	7.884700	.0201362	.1114643	.5859050
#2	-.003974	21.67811	8.426307	.0244686	.1096442	.6373879
#3	-.004457	21.87609	7.858611	.0210339	.1029865	.5845380

Elem	Li6707
Units	ppm
Avg	.0353345
Stddev	.0029863
%RSD	8.451489
#1	.0326967
#2	.0385768
#3	.0347300

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1794.090	23118.82	2169.767	1572.607	2062.594
Stddev	10.761	1542.98	92.418	105.881	10.639
%RSD	.5998149	6.674110	4.259346	6.732813	.5157834
#1	1806.310	22505.46	2220.255	1528.153	2074.497
#2	1789.931	24874.16	2063.103	1693.467	2059.273
#3	1786.029	21976.84	2225.944	1496.200	2054.013

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-06 Acquired: 12/14/2024 21:06:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ52 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0240430**	**.0411889**	**.3432982**	**-.044802**	**-.010692**	**12.50638**
Stddev	.0029672	.0010382	.0024026	.000616	.001690	.13973
%RSD	12.34143	2.520598	.6998521	1.374585	15.81087	1.117306
#1	.0206241	.0399902	.3451077	-.044299	-.009055	12.45265
#2	.0259480	.0417755	.3405723	-.045489	-.012431	12.66501
#3	.0255568	.0418010	.3442145	-.044618	-.010590	12.40149

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1609419**	**.0014342**	**.0100164**	F **1968.104**	**.0343779**	**.0757733**
Stddev	.0016119	.0001541	.0000861	12.810	.0007460	.0003927
%RSD	1.001556	10.74703	.8594013	.6508699	2.170058	.5182249
#1	.1592364	.0012562	.0099744	1982.554	.0347180	.0759245
#2	.1624403	.0015257	.0101154	1958.141	.0348932	.0760679
#3	.1611489	.0015206	.0099594	1963.618	.0335224	.0753275

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0206856**	**85.77751**	**11.64599**	F **1055.880**	**.0589182**	**-.001052**
Stddev	.0135980	1.20522	.15507	14.299	.0007600	.000600
%RSD	65.73644	1.405054	1.331530	1.354203	1.289846	56.99792
#1	.0316623	85.47922	11.56951	1050.649	.0596628	-.000456
#2	.0054741	87.10386	11.82445	1072.058	.0581438	-.001045
#3	.0249205	84.74944	11.54402	1044.934	.0589480	-.001655

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.023282**	**.0381497**	**1.671873**	**6.620371**	**1.293588**	**.0420310**
Stddev	.635330	.0037789	.014074	.026886	.002397	.0025991
%RSD	31.40098	9.905566	.8418369	.4061079	.1852786	6.183755
#1	2.612502	.0410832	1.667621	6.646161	1.292568	.0394288
#2	2.107169	.0338854	1.687584	6.592510	1.296326	.0446270
#3	1.350176	.0394805	1.660416	6.622443	1.291870	.0420372

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-06 Acquired: 12/14/2024 21:06:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ52 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004549	20.24062	6.013117	.0204461	.0412193	.5766720
Stddev	.000343	.09294	.070685	.0014134	.0006406	.0077183
%RSD	7.539555	.4591744	1.175507	6.912980	1.554033	1.338417
#1	-.004184	20.22227	5.949490	.0188798	.0417332	.5728208
#2	-.004598	20.34137	6.089203	.0216267	.0414231	.5855580
#3	-.004865	20.15823	6.000657	.0208317	.0405017	.5716371

Elem	Li6707
Units	ppm
Avg	.0249322
Stddev	.0029503
%RSD	11.83349
#1	.0282525
#2	.0226118
#3	.0239321

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1794.193	22262.02	2185.436	1517.041	2074.765
Stddev	4.057	117.25	16.401	9.903	4.914
%RSD	.2261454	.5266942	.7504573	.6527601	.2368259
#1	1794.721	22288.14	2192.805	1517.586	2076.350
#2	1789.897	22133.91	2166.643	1506.877	2069.254
#3	1797.960	22364.00	2196.860	1526.659	2078.690

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-07 Acquired: 12/14/2024 21:10:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ53 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0160218	.0437639	.3503943	-.045360	-.009776	11.47929
Stddev	.0018308	.0027776	.0075277	.008481	.002117	.05199
%RSD	11.42692	6.346793	2.148338	18.69619	21.65144	.4529279
#1	.0139099	.0468497	.3572381	-.054544	-.010651	11.52488
#2	.0171598	.0414636	.3516131	-.037826	-.007363	11.42266
#3	.0169958	.0429783	.3423316	-.043709	-.011316	11.49033

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0955834	.0012067	.0053769	F 1998.475	.0357031	.0743698
Stddev	.0005354	.0000733	.0001686	8.621	.0005698	.0007594
%RSD	.5601542	6.075531	3.136349	.4313883	1.595994	1.021141
#1	.0949933	.0012836	.0054525	1988.541	.0362777	.0750898
#2	.0957190	.0011988	.0054945	2003.994	.0351382	.0744432
#3	.0960380	.0011376	.0051837	2002.891	.0356935	.0735763

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0217125	86.03767	14.73699	F 1081.992	.0546950	-.000925
Stddev	.0085948	.07180	.02202	1.800	.0012904	.000277
%RSD	39.58472	.0834558	.1494391	.1663827	2.359176	29.94028
#1	.0210065	86.11252	14.75653	1080.140	.0557207	-.000648
#2	.0306387	85.96936	14.71313	1082.103	.0551181	-.000923
#3	.0134925	86.03114	14.74131	1083.735	.0532463	-.001202

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.189749	.0310969	.8490121	6.676171	1.236913	.0378939
Stddev	.236708	.0064629	.0071285	.070046	.018708	.0027921
%RSD	10.80981	20.78308	.8396222	1.049191	1.512465	7.368195
#1	1.980815	.0334008	.8467171	6.739983	1.253906	.0393516
#2	2.446828	.0237978	.8433138	6.601225	1.239967	.0396555
#3	2.141603	.0360922	.8570054	6.687306	1.216866	.0346746

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-07 Acquired: 12/14/2024 21:10:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ53 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004840	18.27108	6.250539	.0187588	.0187728	.5432153
Stddev	.001289	.32498	.029971	.0042521	.0021819	.0004337
%RSD	26.62667	1.778651	.4795013	22.66746	11.62243	.0798322
#1	-.004970	18.61875	6.276474	.0172594	.0165066	.5437091
#2	-.006058	18.21955	6.217727	.0154594	.0189527	.5428966
#3	-.003491	17.97495	6.257415	.0235575	.0208592	.5430401

Elem	Li6707
Units	ppm
Avg	.0226325
Stddev	.0030193
%RSD	13.34062
#1	.0204700
#2	.0260821
#3	.0213455

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1795.876	21951.20	2161.572	1500.393	2079.424
Stddev	22.663	98.71	5.781	7.116	27.926
%RSD	1.261944	.4497010	.2674671	.4742514	1.342952
#1	1770.511	21853.87	2156.511	1493.980	2050.420
#2	1802.982	21948.50	2167.873	1499.151	2081.722
#3	1814.134	22051.25	2160.333	1508.048	2106.129

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-08 Acquired: 12/14/2024 21:14:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ54 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0535193**	**.0391845**	**.6447467**	**-.037748**	**-.001282**	**66.03673**
Stddev	.0026603	.0034260	.0048079	.007312	.001533	.27235
%RSD	4.970722	8.743184	.7457010	19.37031	119.5569	.4124152
#1	.0511485	.0420273	.6502652	-.034729	-.002113	66.32570
#2	.0530130	.0353806	.6414624	-.032429	.000487	65.99967
#3	.0563963	.0401454	.6425126	-.046086	-.002219	65.78481

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4615139**	**.0037282**	**.0051931**	F **1303.068**	**.0559904**	**.0831713**
Stddev	.0034107	.0000301	.0001974	3.315	.0009054	.0010574
%RSD	.7390284	.8077797	3.801420	.2543858	1.616999	1.271350
#1	.4653587	.0036947	.0054070	1306.773	.0567964	.0840112
#2	.4588526	.0037369	.0050180	1300.382	.0550109	.0835189
#3	.4603305	.0037531	.0051542	1302.050	.0561641	.0819839

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0468659**	**99.17351**	**7.994972**	**692.3208**	**.0827812**	**-.002709**
Stddev	.0033167	.52724	.041422	3.7374	.0006054	.001058
%RSD	7.076929	.5316309	.5181007	.5398332	.7313751	39.04891
#1	.0430375	99.77512	8.040608	696.2892	.0830279	-.001671
#2	.0488701	98.95345	7.984557	691.8052	.0832244	-.003785
#3	.0486900	98.79195	7.959752	688.8680	.0820914	-.002669

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.209465**	**.1109009**	**.9511483**	**7.201862**	**3.360340**	**.0170941**
Stddev	.508601	.0003157	.0110294	.112996	.019779	.0018864
%RSD	5.522587	.2846672	1.159586	1.568981	.5886137	11.03506
#1	9.792024	.1107958	.9396255	7.326821	3.383151	.0179435
#2	8.853813	.1106512	.9616071	7.106872	3.349911	.0184065
#3	8.982559	.1112558	.9522123	7.171893	3.347957	.0149325

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-08 Acquired: 12/14/2024 21:14:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ54 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003913	13.11814	9.977877	.0367946	.8492562	.5039710
Stddev	.000242	.08934	.073655	.0005619	.0022522	.0026587
%RSD	6.178525	.6810469	.7381863	1.527092	.2651927	.5275570
#1	-.003636	13.22039	10.06292	.0373129	.8505716	.5070335
#2	-.004076	13.07885	9.93451	.0368733	.8505413	.5022526
#3	-.004029	13.05517	9.93620	.0361975	.8466557	.5026270

Elem	Li6707
Units	ppm
Avg	.0326352
Stddev	.0036281
%RSD	11.11705
#1	.0364226
#2	.0322920
#3	.0291909

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1863.352	23098.39	2241.585	1588.887	2130.336
Stddev	17.843	118.81	12.441	7.152	23.445
%RSD	.9575778	.5143862	.5550085	.4501534	1.100541
#1	1842.924	23157.87	2228.166	1587.155	2104.170
#2	1871.244	22961.58	2243.853	1582.759	2137.405
#3	1875.888	23175.72	2252.735	1596.746	2149.434

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-09 Acquired: 12/14/2024 21:18:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ55 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0450023**	**.0363992**	**.5480027**	**-.033213**	**-.001774**	**39.22653**
Stddev	.0044246	.0033553	.0032702	.002167	.003672	.51809
%RSD	9.831835	9.217910	.5967560	6.523335	206.9852	1.320767
#1	.0498844	.0327304	.5445098	-.031788	-.004643	38.92015
#2	.0438649	.0371555	.5485066	-.032145	-.003044	38.93473
#3	.0412574	.0393117	.5509918	-.035706	.002365	39.82471

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3998322**	**.0037639**	**.0055046**	F **1294.526**	**.0597110**	**.0989309**
Stddev	.0045437	.0000519	.0000876	8.518	.0008991	.0010958
%RSD	1.136410	1.379973	1.591987	.6579662	1.505812	1.107633
#1	.3973750	.0037337	.0054214	1295.908	.0605685	.0979165
#2	.3970462	.0037342	.0054964	1285.401	.0597893	.1000931
#3	.4050754	.0038239	.0055961	1302.267	.0587753	.0987830

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1111489**	**112.6558**	**8.022630**	**411.9517**	**.1253274**	**-.003579**
Stddev	.0067534	1.2046	.101290	3.9992	.0012419	.000714
%RSD	6.076002	1.069301	1.262549	.9707993	.9909186	19.94395
#1	.1045834	112.1240	7.980163	409.4583	.1239927	-.004368
#2	.1107876	111.8085	7.949487	409.8323	.1255408	-.002979
#3	.1180757	114.0348	8.138240	416.5646	.1264488	-.003389

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.200444**	**.0848985**	**.9558619**	**9.726339**	**4.580128**	**.0153419**
Stddev	.231167	.0070799	.0152599	.194741	.030017	.0018395
%RSD	19.25677	8.339238	1.596453	2.002201	.6553715	11.98982
#1	1.238442	.0875312	.9642260	9.538648	4.550694	.0173990
#2	.952633	.0768794	.9651110	9.712933	4.578994	.0147718
#3	1.410258	.0902848	.9382487	9.927436	4.610695	.0138550

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-09 Acquired: 12/14/2024 21:18:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ55 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003049	10.01419	9.977967	.0873119	.6519633	.6343961
Stddev	.001761	.04653	.084816	.0004293	.0114795	.0063813
%RSD	57.74597	.4646231	.8500289	.4916433	1.760765	1.005889
#1	-.002218	9.96666	9.948583	.0869468	.6442552	.6305360
#2	-.005071	10.01627	9.911750	.0872042	.6464781	.6308906
#3	-.001858	10.05965	10.07357	.0877848	.6651564	.6417618

Elem	Li6707
Units	ppm
Avg	.0556117
Stddev	.0042047
%RSD	7.560799
#1	.0544021
#2	.0521444
#3	.0602886

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1953.177	24342.88	2300.950	1672.001	2190.897
Stddev	12.243	394.87	18.994	29.378	14.405
%RSD	.6268407	1.622114	.8254711	1.757064	.6574912
#1	1967.089	24220.70	2315.818	1660.950	2207.493
#2	1944.045	24023.54	2307.480	1649.751	2181.631
#3	1948.397	24784.39	2279.553	1705.302	2183.568

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-10 Acquired: 12/14/2024 21:22:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ63 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1029688**	**.0239438**	**.7869684**	**.0088556**	**.0222198**	**69.02590**	**.7792386**
Stddev	.0081044	.0034047	.0039771	.0067700	.0012042	.80883	.0076484
%RSD	7.870723	14.21941	.5053700	76.44940	5.419488	1.171772	.9815249
#1	.0953345	.0200125	.7878883	.0152805	.0214320	69.93825	.7879273
#2	.1114731	.0259177	.7904049	.0017865	.0236060	68.39678	.7735237
#3	.1020988	.0259013	.7826119	.0094997	.0216215	68.74267	.7762648

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0052584**	**.0056973**	**123.3394**	**.1007167**	**.0971104**	**.1943395**	**153.8144**
Stddev	.0000854	.0001652	1.5454	.0015608	.0004602	.0065983	1.5479
%RSD	1.624141	2.900238	1.252996	1.549712	.4738913	3.395223	1.006351
#1	.0053539	.0055502	125.1091	.1021208	.0975331	.1884208	155.4842
#2	.0052321	.0058761	122.2560	.1009932	.0971778	.2014538	152.4274
#3	.0051893	.0056656	122.6530	.0990361	.0966202	.1931439	153.5316

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.65981**	**41.02435**	**.1719517**	**-.004973**	**1.114277**	**.1628477**	**.5126067**
Stddev	.11529	.51153	.0008328	.000749	.585805	.0060215	.0057060
%RSD	.9107062	1.246902	.4843211	15.05899	52.57271	3.697644	1.113131
#1	12.79035	41.59100	.1709943	-.005659	1.597443	.1592099	.5114728
#2	12.57192	40.59665	.1725088	-.004174	1.282670	.1595349	.5075527
#3	12.61715	40.88539	.1723520	-.005086	.462717	.1697982	.5187944

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.463084**	**8.254322**	**-.049377**	**.0032209**	**4.460904**	**9.877728**	**.0333413**
Stddev	.164298	.005187	.002291	.0004362	.010232	.097435	.0010388
%RSD	1.941352	.0628452	4.639611	13.54238	.2293642	.9864089	3.115756
#1	8.610660	8.250259	-.051826	.0035909	4.449092	9.985615	.0338952
#2	8.492543	8.260165	-.047287	.0033319	4.467029	9.796148	.0321429
#3	8.286049	8.252541	-.049018	.0027400	4.466590	9.851421	.0339858

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-10 Acquired: 12/14/2024 21:22:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ63 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.245623	-.001295	.0397924
Stddev	.011420	.000475	.0023772
%RSD	.9167765	36.64420	5.973871
#1	1.256645	-.000783	.0425341
#2	1.233843	-.001720	.0385371
#3	1.246380	-.001382	.0383062

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2375.117	28956.94	2681.050	2015.296	2654.250
Stddev	7.991	211.73	29.229	18.443	5.017
%RSD	.3364376	.7312054	1.090218	.9151748	.1889998
#1	2366.220	28819.38	2650.827	2009.836	2648.468
#2	2377.449	29200.76	2709.173	2035.853	2656.833
#3	2381.683	28850.69	2683.151	2000.199	2657.448

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-11 Acquired: 12/14/2024 21:26:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ64 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1065896	.0213175	.8100888	.0153715	.0227094	73.69937	.9264100
Stddev	.0035790	.0016609	.0066051	.0043116	.0025061	.18157	.0035698
%RSD	3.357768	7.791155	.8153567	28.04922	11.03556	.2463664	.3853412
#1	.1105711	.0195830	.8032407	.0179866	.0201617	73.49595	.9224037
#2	.1055582	.0228934	.8106050	.0103951	.0227947	73.84503	.9275728
#3	.1036395	.0214762	.8164206	.0177329	.0251718	73.75714	.9292534

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0055423	.0062065	118.5968	.1027828	.1082195	.2040340	167.9656
Stddev	.0000837	.0000823	.1219	.0006462	.0000197	.0063676	.7536
%RSD	1.510456	1.326448	.1027875	.6286888	.0182273	3.120872	.4486927
#1	.0056239	.0061266	118.4614	.1021911	.1081970	.1971500	167.1007
#2	.0054566	.0062019	118.6977	.1034723	.1082276	.2052388	168.4811
#3	.0055464	.0062911	118.6315	.1026851	.1082339	.2097131	168.3151

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.44578	35.91083	.1808462	-.004585	1.120063	.1706183	.5092111
Stddev	.07044	.18963	.0007608	.000883	.385075	.0093046	.0167888
%RSD	.4560300	.5280603	.4207118	19.25194	34.37978	5.453459	3.297023
#1	15.36512	35.70549	.1801166	-.003735	1.203849	.1599851	.4917229
#2	15.47711	36.07936	.1807871	-.004521	1.456347	.1746023	.5252000
#3	15.49513	35.94765	.1816348	-.005497	.699993	.1772676	.5107105

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.360298	7.943608	-.064578	.0030479	3.889391	9.919940	.0378062
Stddev	.151661	.026058	.002945	.0001171	.010150	.075713	.0009893
%RSD	1.814059	.3280376	4.559990	3.843358	.2609562	.7632390	2.616865
#1	8.190654	7.926002	-.066083	.0029254	3.891198	9.856878	.0388215
#2	8.482758	7.931280	-.066466	.0031588	3.878459	9.899033	.0377521
#3	8.407481	7.973543	-.061185	.0030595	3.898515	10.00391	.0368450

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-11 Acquired: 12/14/2024 21:26:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ64 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.301995	-.013557	.0427218
Stddev	.005603	.000230	.0050852
%RSD	.4303708	1.700089	11.90297
#1	1.296416	-.013303	.0479636
#2	1.307623	-.013754	.0423925
#3	1.301944	-.013613	.0378093

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2346.558	28821.07	2618.068	2013.235	2615.063
Stddev	9.038	262.72	20.884	23.061	12.778
%RSD	.3851639	.9115510	.7976984	1.145477	.4886456
#1	2356.964	29004.00	2642.175	2026.288	2629.800
#2	2340.667	28520.02	2606.555	1986.608	2607.066
#3	2342.044	28939.17	2605.473	2026.809	2608.322

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-12 Acquired: 12/14/2024 21:30:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ65 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1263103**	**.0175793**	**.9363081**	**.0118069**	**.0257541**	**80.83389**	**.9007675**
Stddev	.0035498	.0020344	.0121211	.0018056	.0014678	.37854	.0055481
%RSD	2.810343	11.57255	1.294567	15.29274	5.699183	.4682902	.6159295
#1	.1255328	.0176447	.9268409	.0098801	.0254901	81.21558	.9064679
#2	.1301843	.0195802	.9499692	.0120806	.0244363	80.45859	.8953854
#3	.1232137	.0155130	.9321141	.0134601	.0273360	80.82749	.9004494

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0061053**	**.0065657**	**124.1723**	**.1077099**	**.1115751**	**.2245074**	**174.5454**
Stddev	.0001620	.0001988	.5786	.0002510	.0009104	.0092584	1.1971
%RSD	2.654063	3.027566	.4659289	.2330696	.8159787	4.123895	.6858411
#1	.0062922	.0063366	124.7963	.1079993	.1105665	.2234053	175.7627
#2	.0060195	.0066916	123.6536	.1075508	.1123363	.2158494	173.3696
#3	.0060042	.0066690	124.0670	.1075796	.1118224	.2342676	174.5038

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.16248**	**39.50239**	**.2077988**	**-.004488**	**.9197468**	**.1850332**	**.5315146**
Stddev	.05599	.20482	.0014293	.000264	.2765222	.0048709	.0040921
%RSD	.3953257	.5184914	.6878051	5.881121	30.06503	2.632436	.7698921
#1	14.22232	39.67172	.2065816	-.004257	1.201391	.1795305	.5268051
#2	14.11137	39.27473	.2093726	-.004776	.648648	.1887922	.5342019
#3	14.15375	39.56070	.2074423	-.004429	.909201	.1867768	.5335369

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.994421**	**7.933517**	**-.067673**	**.0028572**	**3.744279**	**9.650175**	**.0425500**
Stddev	.194789	.110977	.002371	.0003527	.042618	.088096	.0001491
%RSD	2.436565	1.398833	3.502989	12.34419	1.138211	.9128975	.3505078
#1	8.154903	7.836646	-.070397	.0025981	3.706174	9.747073	.0425536
#2	7.777699	8.054601	-.066542	.0027146	3.790300	9.574911	.0423990
#3	8.050661	7.909304	-.066079	.0032589	3.736364	9.628541	.0426972

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-12 Acquired: 12/14/2024 21:30:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ65 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.375135	-.018360	.0556367
Stddev	.007291	.000689	.0010772
%RSD	.5302348	3.751712	1.936049
#1	1.379971	-.019150	.0548457
#2	1.366748	-.017884	.0552008
#3	1.378684	-.018046	.0568635

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2460.400	30617.02	2774.545	2130.446	2676.338
Stddev	21.547	140.38	13.479	7.883	33.602
%RSD	.8757637	.4584896	.4858192	.3700322	1.255517
#1	2483.554	30489.57	2759.148	2124.151	2709.865
#2	2440.937	30594.01	2784.213	2127.898	2642.662
#3	2456.708	30767.47	2780.275	2139.288	2676.485

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-13 Acquired: 12/14/2024 21:33:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ77 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1057716	.0280745	2.522016	-.002924	.0178506	55.67082
Stddev	.0064502	.0024012	.016106	.004751	.0022536	.32018
%RSD	6.098186	8.552918	.6386267	162.5042	12.62449	.5751265
#1	.1091351	.0285538	2.527031	-.007352	.0170740	55.30933
#2	.1098448	.0254698	2.535019	-.003514	.0160881	55.78444
#3	.0983349	.0301999	2.503999	.002095	.0203898	55.91870

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9826484	.0054064	.0085460	346.9580	.1150937	.1060195
Stddev	.0037061	.0000643	.0001445	1.1892	.0029878	.0007688
%RSD	.3771514	1.188663	1.690733	.3427486	2.595964	.7251755
#1	.9784427	.0054785	.0085573	345.8528	.1125983	.1065948
#2	.9840662	.0053552	.0086845	346.8050	.1142782	.1063174
#3	.9854363	.0053853	.0083962	348.2164	.1184046	.1051463

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3123137	150.8492	11.75457	114.5827	.2404619	-.004457
Stddev	.0100651	.4199	.05076	.4138	.0020790	.000312
%RSD	3.222750	.2783649	.4318164	.3611391	.8645657	6.998645
#1	.3058122	150.3644	11.69739	114.1049	.2408711	-.004563
#2	.3072216	151.0922	11.77202	114.8242	.2423059	-.004703
#3	.3239074	151.0911	11.79430	114.8189	.2382088	-.004106

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7360702	.1521382	1.167541	9.187619	F 11.55567	-.015122
Stddev	.4430280	.0059786	.020122	.252972	.09944	.001115
%RSD	60.18828	3.929745	1.723453	2.753406	.8605143	7.374143
#1	1.230749	.1570440	1.152394	9.057829	11.58185	-.014535
#2	.601617	.1454789	1.159857	9.479143	11.63941	-.014423
#3	.375845	.1538918	1.190373	9.025884	11.44577	-.016408

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-13 Acquired: 12/14/2024 21:33:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ77 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059982	7.957485	10.16607	.0762809	1.246798	.2260539
Stddev	.0004671	.079187	.07992	.0006190	.005794	.0017893
%RSD	7.787121	.9951210	.7861633	.8114561	.4647179	.7915353
#1	.0057507	7.981033	10.08143	.0769092	1.241481	.2240086
#2	.0065369	8.022226	10.17654	.0756717	1.252973	.2268234
#3	.0057069	7.869195	10.24024	.0762618	1.245941	.2273296

Elem	Li6707
Units	ppm
Avg	.0502210
Stddev	.0057055
%RSD	11.36074
#1	.0451336
#2	.0563898
#3	.0491395

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2182.708	26696.52	2486.062	1844.669	2450.537
Stddev	14.597	513.25	14.082	30.537	18.543
%RSD	.6687765	1.922546	.5664341	1.655445	.7566943
#1	2180.936	27193.14	2502.312	1871.255	2446.045
#2	2169.077	26728.33	2478.445	1851.436	2434.653
#3	2198.110	26168.11	2477.429	1811.316	2470.913

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-14 Acquired: 12/14/2024 21:37:39 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ78 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1338557**	**.0291781**	**2.653399**	**-.005034**	**.0226573**	**58.76880**
Stddev	.0046531	.0011411	.006219	.005074	.0006877	.08105
%RSD	3.476184	3.910658	.2343806	100.7859	3.035217	.1379048
#1	.1367535	.0287936	2.654551	-.010338	.0229719	58.85415
#2	.1284885	.0304617	2.658961	-.000227	.0231314	58.75936
#3	.1363250	.0282790	2.646684	-.004537	.0218686	58.69288

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9943867**	**.0056189**	**.0097294**	**533.8483**	**.1266027**	**.1200235**
Stddev	.0023308	.0000817	.0001652	.5382	.0009733	.0005675
%RSD	.2343948	1.454868	1.697590	.1008197	.7687460	.4728593
#1	.9965661	.0055503	.0096925	534.3216	.1273181	.1201746
#2	.9919294	.0055971	.0095857	533.2628	.1269955	.1205002
#3	.9946647	.0057094	.0099098	533.9605	.1254944	.1193957

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3487163**	**179.6474**	**14.06642**	**212.8970**	**.2853141**	**-.005653**
Stddev	.0020409	.7262	.06333	.9389	.0019276	.000743
%RSD	.5852540	.4042260	.4502056	.4409912	.6756035	13.14774
#1	.3465020	179.8622	14.09344	213.5062	.2860935	-.004805
#2	.3505218	178.8380	13.99406	211.8158	.2867300	-.006194
#3	.3491251	180.2419	14.11175	213.3690	.2831189	-.005959

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6429689**	**.1451419**	**1.201878**	**8.737035**	F **12.05161**	**-.025752**
Stddev	.6250064	.0083217	.012995	.124140	.04455	.003395
%RSD	97.20632	5.733464	1.081250	1.420850	.3696959	13.18189
#1	1.353557	.1456614	1.186880	8.781839	12.07165	-.022517
#2	.396904	.1365726	1.208973	8.596713	12.08263	-.029286
#3	.178445	.1531916	1.209782	8.832554	12.00056	-.025453

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-14 Acquired: 12/14/2024 21:37:39 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ78 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062969	9.707087	10.23767	.5758107	1.209723	.2589052
Stddev	.0002101	.052074	.01021	.0008655	.011977	.0012994
%RSD	3.336797	.5364582	.0997464	.1503165	.9900931	.5018871
#1	.0060556	9.745762	10.23580	.5758279	1.216792	.2599390
#2	.0064396	9.727623	10.22852	.5766675	1.195894	.2574466
#3	.0063955	9.647876	10.24869	.5749367	1.216483	.2593301

Elem	Li6707
Units	ppm
Avg	.0639930
Stddev	.0051436
%RSD	8.037757
#1	.0605032
#2	.0615757
#3	.0698999

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2165.248	26765.38	2505.843	1850.573	2357.385
Stddev	11.428	46.04	5.848	2.873	13.324
%RSD	.5277770	.1720291	.2333651	.1552237	.5652076
#1	2159.054	26712.75	2501.882	1847.942	2349.893
#2	2158.253	26785.18	2512.560	1853.638	2349.494
#3	2178.435	26798.22	2503.089	1850.140	2372.769

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-15 Acquired: 12/14/2024 21:41:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ79 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1135541**	**.0290497**	**2.449372**	**-.007893**	**.0281552**	**46.61544**	**.8994397**
Stddev	.0035216	.0056612	.003736	.007579	.0003251	.07728	.0007600
%RSD	3.101259	19.48787	.1525249	96.02507	1.154769	.1657891	.0844924
#1	.1117775	.0355695	2.447146	-.000589	.0282267	46.52782	.8996598
#2	.1112746	.0253806	2.453685	-.015719	.0284385	46.64458	.8985939
#3	.1176101	.0261990	2.447285	-.007369	.0278002	46.67391	.9000652

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0054834**	**.0102456**	**737.9261**	**.1103375**	**.1075468**	**.2858284**	**199.4213**
Stddev	.0002982	.0001487	2.5850	.0056059	.0002876	.0062737	.8562
%RSD	5.438493	1.451516	.3503020	5.080719	.2674437	2.194931	.4293402
#1	.0051712	.0103746	735.3574	.1079576	.1078390	.2887803	198.5097
#2	.0057653	.0100830	737.8941	.1167407	.1075374	.2900816	199.5459
#3	.0055137	.0102792	740.5270	.1063141	.1072640	.2786231	200.2084

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.76934**	**245.5612**	**.2316244**	**-.008128**	**.9676852**	**.1404751**	**1.392841**
Stddev	.04795	.8393	.0006212	.002281	.7874038	.0089943	.040121
%RSD	.4074280	.3417863	.2682123	28.06601	81.36983	6.402795	2.880494
#1	11.72181	244.5924	.2320687	-.007043	1.707627	.1411046	1.383407
#2	11.76851	246.0676	.2309145	-.010749	.140145	.1491382	1.436837
#3	11.81770	246.0237	.2318899	-.006592	1.055283	.1311826	1.358277

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.827647**	**8.860605**	**-.051063**	**.0020979**	**10.38466**	**9.646331**	**.1552440**
Stddev	.154336	.019069	.005452	.0001558	.03662	.074678	.0002352
%RSD	2.260463	.2152061	10.67642	7.426478	.3525964	.7741562	.1515275
#1	6.662091	8.840101	-.049891	.0022382	10.34257	9.591429	.1549838
#2	6.853300	8.877807	-.057005	.0019302	10.40226	9.731368	.1554416
#3	6.967549	8.863908	-.046292	.0021255	10.40915	9.616197	.1553065

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-15 Acquired: 12/14/2024 21:41:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ79 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.092446	.3802176	.0466942
Stddev	.008005	.0009623	.0022547
%RSD	.7327435	.2530857	4.828753
#1	1.094014	.3797103	.0447666
#2	1.099550	.3796152	.0461422
#3	1.083773	.3813274	.0491736

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2094.345	26048.67	2452.895	1797.220	2336.077
Stddev	6.403	723.12	10.996	51.416	5.148
%RSD	.3057438	2.776018	.4482854	2.860857	.2203898
#1	2090.023	26247.18	2465.589	1810.066	2330.134
#2	2101.701	25247.03	2446.789	1740.599	2338.919
#3	2091.310	26651.80	2446.306	1840.995	2339.178

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-16 Acquired: 12/14/2024 21:45:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ80 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1016530**	**.0309690**	**2.310350**	**-.008606**	**.0152222**	**55.02378**	**.9726380**
Stddev	.0023338	.0017106	.004700	.004318	.0024362	2.09353	.0374418
%RSD	2.295834	5.523551	.2034516	50.17260	16.00399	3.804774	3.849511
#1	.1003293	.0296618	2.311142	-.009200	.0126327	55.33517	.9779573
#2	.1002820	.0303402	2.305304	-.012595	.0155655	52.79199	.9328210
#3	.1043477	.0329050	2.314605	-.004022	.0174686	56.94417	1.007136

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0046516**	**.0051130**	**468.7182**	**.0753487**	**.1049722**	**.2544693**	**149.0572**
Stddev	.0001377	.0001746	17.8549	.0021144	.0009198	.0088085	5.8195
%RSD	2.961464	3.415812	3.809301	2.806198	.8762252	3.461524	3.904193
#1	.0047234	.0050307	471.0869	.0774124	.1054704	.2587426	149.4832
#2	.0044928	.0053136	449.7971	.0754468	.1039107	.2443393	143.0364
#3	.0047386	.0049947	485.2704	.0731870	.1055354	.2603260	154.6520

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.06287**	**96.88825**	**.1413946**	**-.005589**	**.3939443**	**.1435167**	**.8847433**
Stddev	.46177	3.64583	.0007306	.001125	.3794800	.0181219	.0161505
%RSD	3.828035	3.762918	.5166787	20.11845	96.32833	12.62706	1.825441
#1	12.08539	97.19076	.1422032	-.006071	.5116494	.1544465	.9026720
#2	11.59025	93.10059	.1407820	-.006393	-.030441	.1225983	.8802241
#3	12.51296	100.3734	.1411988	-.004304	.700624	.1535053	.8713338

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.266966**	**6.896058**	**-.056130**	**.0029716**	**4.157428**	**9.532251**	**.0708535**
Stddev	.329871	.014751	.001125	.0006346	.007289	.276400	.0016408
%RSD	5.263646	.2139086	2.004916	21.35395	.1753165	2.899628	2.315746
#1	6.106610	6.888370	-.055476	.0032325	4.165584	9.564994	.0709314
#2	6.047928	6.886739	-.055485	.0022482	4.151552	9.240939	.0691751
#3	6.646358	6.913065	-.057430	.0034342	4.155149	9.790821	.0724539

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-16 Acquired: 12/14/2024 21:45:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ80 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.547756	.3249524	.0562257
Stddev	.057085	.0120768	.0040729
%RSD	3.688233	3.716495	7.243801
#1	1.555438	.3265488	.0562344
#2	1.487220	.3121568	.0521485
#3	1.600612	.3361517	.0602942

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2242.803	27346.03	2604.245	1897.408	2487.318
Stddev	4.893	368.27	74.671	26.707	7.109
%RSD	.2181435	1.346711	2.867291	1.407539	.2857964
#1	2240.583	27013.49	2592.656	1874.776	2483.226
#2	2248.412	27282.76	2684.034	1890.584	2495.526
#3	2239.414	27741.84	2536.046	1926.865	2483.201

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-17 Acquired: 12/14/2024 21:49:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ81 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0823171	.0317653	1.275777	-.007719	.0158418	63.73834	.9418607
Stddev	.0013892	.0035292	.002391	.007793	.0021829	.93955	.0141372
%RSD	1.687631	11.11017	.1874424	100.9544	13.77930	1.474072	1.500991
#1	.0833920	.0281906	1.277882	-.003816	.0144236	62.71848	.9263005
#2	.0828109	.0352471	1.273176	-.002649	.0183554	64.56868	.9539152
#3	.0807485	.0318582	1.276272	-.016693	.0147462	63.92785	.9453664

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048039	.0046439	484.1344	.0780914	.1157989	.2207628	152.9308
Stddev	.0000272	.0001325	5.7791	.0003151	.0003143	.0099159	2.0857
%RSD	.5664174	2.852688	1.193703	.4035209	.2713901	4.491671	1.363825
#1	.0047748	.0047174	477.5847	.0783320	.1161234	.2165865	150.6024
#2	.0048288	.0047233	488.5157	.0777347	.1154959	.2320837	154.6280
#3	.0048080	.0044910	486.3029	.0782075	.1157774	.2136181	153.5621

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.70434	107.3848	.1389856	-.005558	.8373384	.1493218	.4782127
Stddev	.21222	1.4688	.0006569	.000406	.3694588	.0037236	.0027267
%RSD	1.443232	1.367787	.4726117	7.311116	44.12299	2.493681	.5701765
#1	14.47380	105.7401	.1396208	-.005500	1.117126	.1453087	.4774565
#2	14.89155	108.5657	.1390269	-.005991	.976352	.1499918	.4812376
#3	14.74767	107.8486	.1383090	-.005184	.418538	.1526649	.4759439

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.257630	6.483641	-.063555	.0013465	2.096216	8.899922	.0415369
Stddev	.080165	.005453	.001112	.0003221	.006080	.102307	.0022450
%RSD	1.281081	.0841075	1.749723	23.92061	.2900611	1.149527	5.404918
#1	6.341811	6.488279	-.063035	.0010012	2.103194	8.781951	.0389607
#2	6.248879	6.477633	-.064831	.0016388	2.092051	8.953528	.0430750
#3	6.182199	6.485010	-.062798	.0013996	2.093405	8.964287	.0425751

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-17 Acquired: 12/14/2024 21:49:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ81 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.322890	.2616505	.0549961
Stddev	.015054	.0038800	.0009242
%RSD	1.137995	1.482900	1.680404
#1	1.306055	.2572692	.0558443
#2	1.335060	.2646521	.0551327
#3	1.327555	.2630303	.0540112

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2357.878	29046.21	2748.441	2011.275	2504.379
Stddev	2.645	54.93	19.330	4.972	4.417
%RSD	.1121826	.1891006	.7033021	.2472260	.1763513
#1	2355.702	28986.39	2770.517	2005.542	2500.283
#2	2357.111	29094.37	2734.553	2013.867	2509.058
#3	2360.822	29057.88	2740.253	2014.416	2503.795

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-18 Acquired: 12/14/2024 21:52:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ82 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0638125	.0370983	.2666208	.0003867	.0178581	69.64501	.7086835
Stddev	.0030161	.0021452	.0027057	.0014351	.0013077	.39397	.0048978
%RSD	4.726539	5.782419	1.014794	371.1417	7.322939	.5656801	.6911058
#1	.0671924	.0355418	.2694369	.0020212	.0183461	70.00201	.7101312
#2	.0613951	.0395453	.2640411	-.000194	.0188517	69.71070	.7126942
#3	.0628500	.0362079	.2663843	-.000667	.0163765	69.22233	.7032250

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047794	.0039683	480.4355	.0753954	.1210871	.1924538	163.3469
Stddev	.0000798	.0000350	2.9534	.0024626	.0009213	.0025386	1.4856
%RSD	1.669383	.8825649	.6147438	3.266241	.7608734	1.319053	.9094484
#1	.0047646	.0040062	482.6948	.0750524	.1213389	.1902507	164.2274
#2	.0048655	.0039371	481.5182	.0731223	.1200661	.1918808	164.1816
#3	.0047080	.0039617	477.0935	.0780115	.1218564	.1952299	161.6317

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.17679	51.34320	.1367314	-.005987	-.067592	.1468519	.2331199
Stddev	.13347	.28955	.0004564	.000564	.411972	.0078320	.0144024
%RSD	.7770297	.5639596	.3338218	9.428308	609.4985	5.333292	6.178105
#1	17.23592	51.43772	.1372441	-.006299	-.030236	.1396996	.2291877
#2	17.27048	51.57369	.1363694	-.005335	-.496970	.1456348	.2210920
#3	17.02397	51.01820	.1365806	-.006326	.324430	.1552212	.2490800

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.535451	5.608067	-.082372	-.001855	.9691966	9.486536	.0241675
Stddev	.012297	.034770	.003432	.000616	.0080779	.089782	.0017866
%RSD	.2711377	.6200051	4.166427	33.23468	.8334662	.9464127	7.392618
#1	4.523598	5.636964	-.085876	-.001435	.9757491	9.589191	.0221502
#2	4.534606	5.569479	-.079017	-.001567	.9601713	9.422668	.0255502
#3	4.548149	5.617758	-.082224	-.002563	.9716695	9.447751	.0248022

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: P4978-18 Acquired: 12/14/2024 21:52:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ82 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.081731	.2443331	.0452873
Stddev	.005186	.0019863	.0017142
%RSD	.4794017	.8129296	3.785137
#1	1.081086	.2450758	.0470586
#2	1.087209	.2458409	.0436366
#3	1.076897	.2420825	.0451668

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2438.570	30117.42	2758.793	2092.635	2561.029
Stddev	10.229	678.69	21.431	45.458	13.805
%RSD	.4194786	2.253495	.7768074	2.172288	.5390303
#1	2430.075	29839.90	2737.199	2075.400	2549.380
#2	2449.925	30890.89	2759.124	2144.191	2576.277
#3	2435.711	29621.46	2780.057	2058.315	2557.429

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCV021 Acquired: 12/14/2024 21:56:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV021 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.988377**	**5.315663**	**24.71842**	**4.766299**	**4.857339**	**432.5141**	**10.94120**
Stddev	.003506	.043135	.25293	.041299	.047761	9.9900	.24602
%RSD	.0702882	.8114738	1.023228	.8664889	.9832779	2.309744	2.248547
#1	4.984456	5.278680	24.51694	4.733172	4.808579	442.5875	11.18673
#2	4.989465	5.363049	25.00226	4.812571	4.904034	432.3451	10.94219
#3	4.991211	5.305262	24.63605	4.753154	4.859406	422.6097	10.69469

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4892763**	**2.463005**	**424.1831**	**15.23320**	**2.361025**	**15.89904**	**428.7447**
Stddev	.0097875	.025245	9.7505	.07023	.025621	.36206	9.6450
%RSD	2.000407	1.024949	2.298665	.4610321	1.085173	2.277217	2.249585
#1	.5003061	2.441305	434.0901	15.28194	2.339442	16.25912	438.5804
#2	.4858954	2.490711	423.8623	15.15270	2.389340	15.90295	428.3513
#3	.4816275	2.457000	414.5969	15.26497	2.354294	15.53504	419.3025

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.69406**	**399.0177**	**2.447664**	**1.294841**	**415.7632**	**2.594610**	**14.03970**
Stddev	.36997	9.5351	.023165	.007147	10.8068	.054448	.09898
%RSD	2.357379	2.389653	.9463981	.5519478	2.599259	2.098501	.7050013
#1	16.06912	408.6381	2.429264	1.302210	426.8341	2.654128	14.11817
#2	15.68367	398.8449	2.473677	1.287939	415.2141	2.582394	13.92850
#3	15.32940	389.5702	2.440052	1.294376	405.2415	2.547307	14.07244

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**157.1641**	**4.961380**	**4.742859**	**5.062126**	**4.854107**	**5.086487**	**5.084709**
Stddev	3.4134	.047768	.077853	.048210	.051548	.092742	.061118
%RSD	2.171890	.9628048	1.641483	.9523601	1.061950	1.823311	1.202005
#1	160.6206	4.929310	4.829234	5.019307	4.822635	5.185604	5.039634
#2	157.0762	5.016280	4.721251	5.114342	4.913597	5.072044	5.154275
#3	153.7955	4.938551	4.678093	5.052729	4.826091	5.001814	5.060219

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCV021 Acquired: 12/14/2024 21:56:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV021 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.321202	4.873184	5.375423
Stddev	.123352	.115561	.108931
%RSD	2.318119	2.371359	2.026464
#1	5.447130	4.990473	5.482873
#2	5.315876	4.869647	5.378326
#3	5.200599	4.759433	5.265069

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1606.199	21617.02	2095.407	1417.951	2217.313
Stddev	11.797	63.99	38.905	12.204	18.272
%RSD	.7344769	.2960150	1.856682	.8606927	.8240773
#1	1616.773	21653.69	2054.573	1413.138	2231.222
#2	1593.474	21654.24	2099.608	1431.827	2196.618
#3	1608.349	21543.13	2132.042	1408.886	2224.097

Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCB021 Acquired: 12/14/2024 22:00:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB021 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.003134**	**-.001012**	**.0029560**	**-.000293**	**-.000345**	**.1292744**
Stddev	.004925	.001629	.0009635	.001740	.002321	.0071778
%RSD	157.1365	160.9641	32.59288	593.8222	672.1167	5.552401
#1	-.004288	-.000447	.0038412	-.001904	.001467	.1215555
#2	-.007381	-.002849	.0030970	-.000528	.000459	.1305196
#3	.002265	.000259	.0019298	.001553	-.002962	.1357482

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.002846**	**-.000018**	**-.000132**	**-.041495**	**-.000177**	**.0000907**
Stddev	.001605	.000055	.000060	.030393	.000410	.0000684
%RSD	56.40165	304.3412	45.60738	73.24508	231.3211	75.37146
#1	-.004401	-.000000	-.000067	-.056664	-.000116	.0001420
#2	-.002944	-.000079	-.000186	-.006503	.000198	.0001170
#3	-.001194	.000026	-.000144	-.061318	-.000614	.0000131

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.008280**	**.0287354**	**-.001307**	**-.033550**	**-.000432**	**.0020418**
Stddev	.003387	.0303481	.001297	.039628	.000398	.0006174
%RSD	40.90930	105.6122	99.23183	118.1164	92.11707	30.23589
#1	-.009421	.0032281	-.001243	.006717	-.000403	.0016554
#2	-.010949	.0622987	-.000043	-.072506	-.000050	.0017162
#3	-.004469	.0206794	-.002634	-.034861	-.000844	.0027538

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2903901**	**.0041800**	**.0039286**	**.1017247**	**-.001636**	**-.003255**
Stddev	.2281332	.0060492	.0052475	.0743754	.002476	.000423
%RSD	78.56097	144.7169	133.5710	73.11438	151.2986	12.99848
#1	.1329491	-.002502	.0008634	.0195562	.000568	-.002959
#2	.1862061	.005759	.0099878	.1211768	-.004315	-.003066
#3	.5520150	.009283	.0009347	.1644411	-.001162	-.003740

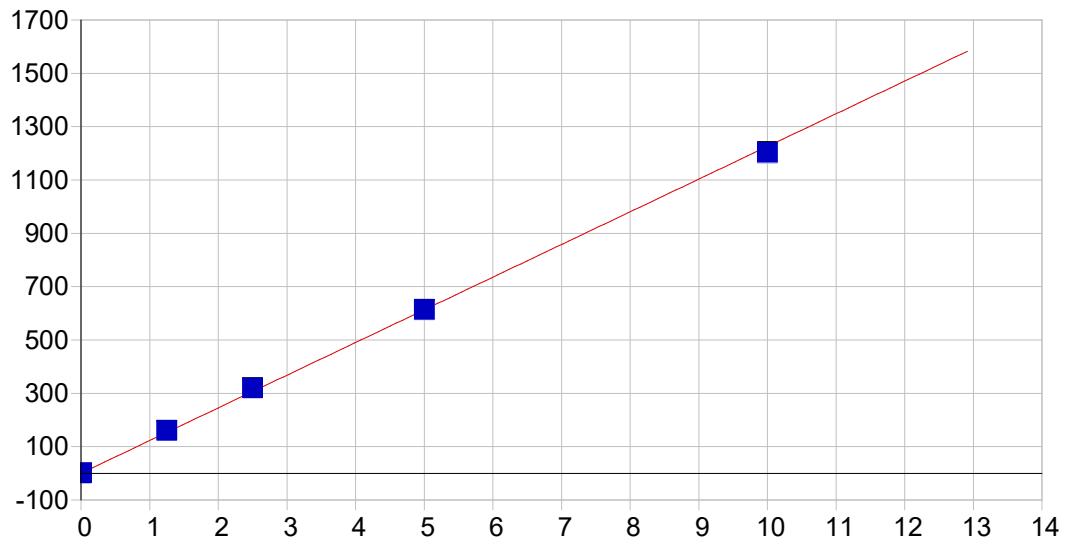
Reviewed By:Mohan
On:12/24/2024 3:42:36 AM
Inst Id :P5

Sample Name: CCB021 Acquired: 12/14/2024 22:00:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v19) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB021 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005795	-.011279	-.038275	-.001432	-.003108	.0000512
Stddev	.0008382	.001748	.001057	.000088	.001581	.0002283
%RSD	144.6270	15.49663	2.762483	6.159094	50.85692	445.4550
#1	.0003247	-.012841	-.038529	-.001356	-.001820	.0002985
#2	-.000102	-.009391	-.037113	-.001529	-.004872	.0000066
#3	.001516	-.011604	-.039182	-.001411	-.002633	-.000151

Elem	Li6707
Units	ppm
Avg	F -.028274
Stddev	.004350
%RSD	15.38448
#1	-.032331
#2	-.028809
#3	-.023681

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2009.087	24700.14	2206.505	1726.298	2828.398
Stddev	1.343	72.20	6.483	8.775	.651
%RSD	.0668309	.2922912	.2938162	.5083182	.0230210
#1	2007.670	24684.52	2213.948	1730.392	2827.683
#2	2010.341	24778.87	2202.086	1732.278	2828.553
#3	2009.252	24637.03	2203.482	1716.224	2828.957



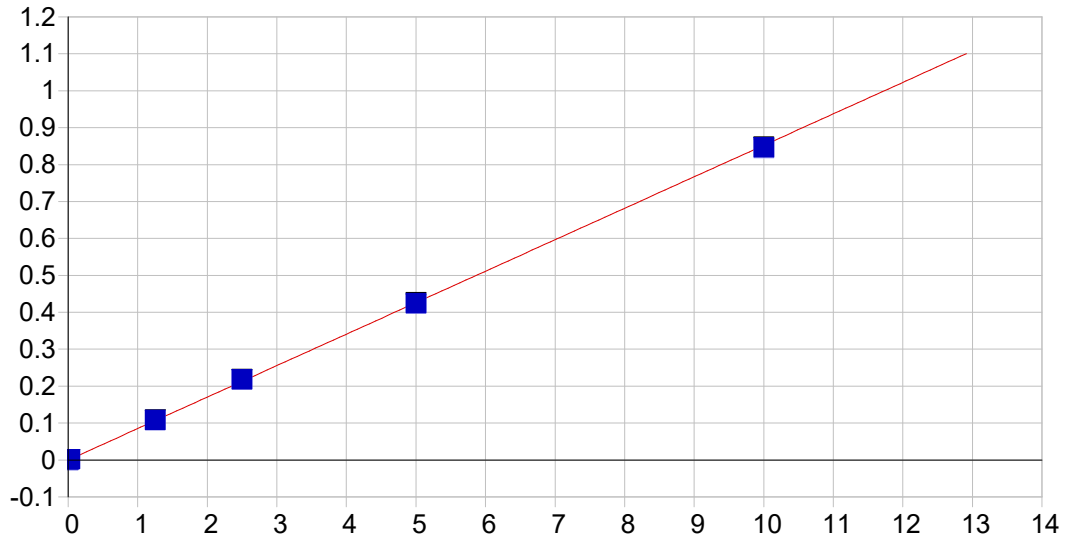
As 189.042 {478}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.252890	Re-Slope:	1.000000
A1 (Gain):	122.545759	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999695	Status:	OK.
Std Error of Est:	0.050564		
Predicted MDL:	0.006351		
Predicted MQL:	0.021170		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.25274	.438	1
S1	.01000	.01042	.000	4.25	1.5287	.446	1
S2	1.2500	1.3086	.059	4.68	159.97	.747	1
S3	2.5000	2.6132	.113	4.53	319.21	1.28	1
S4	5.0000	5.0131	.013	.263	612.02	.407	1
S5	10.000	9.8146	-.185	-1.85	1197.8	3.76	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



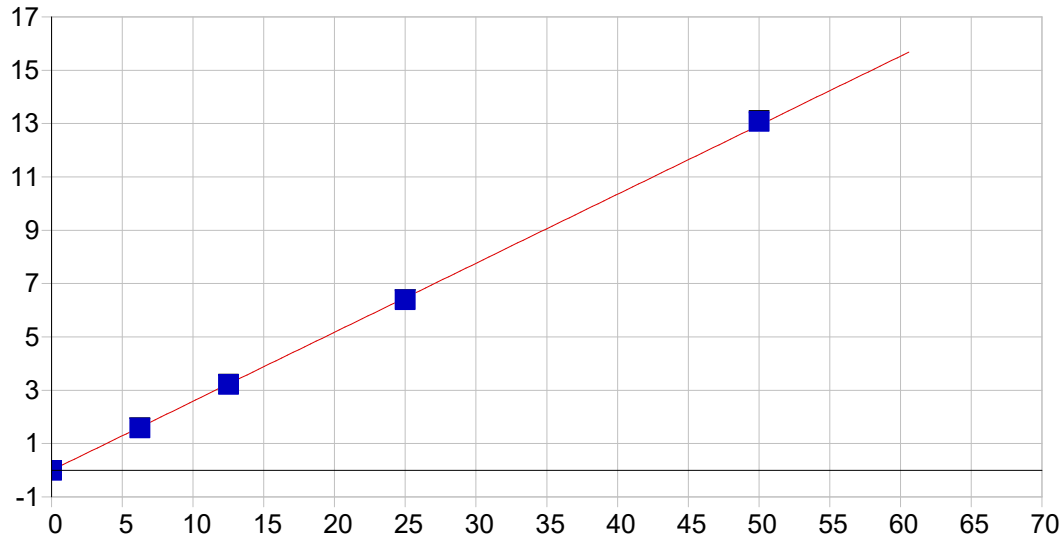
Tl 190.856 {477}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000092	Re-Slope:	1.000000
A1 (Gain):	0.085228	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999934	Status:	OK.
Std Error of Est:	0.000026		
Predicted MDL:	0.003033		
Predicted MQL:	0.010109		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00009	.000	1
S1	.02500	.02626	.001	5.05	.00207	.000	1
S2	1.2500	1.2715	.022	1.72	.10800	.001	1
S3	2.5000	2.5614	.061	2.46	.21766	.001	1
S4	5.0000	4.9848	-.015	-.303	.42366	.002	1
S5	10.000	9.9310	-.069	-.690	.84411	.002	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



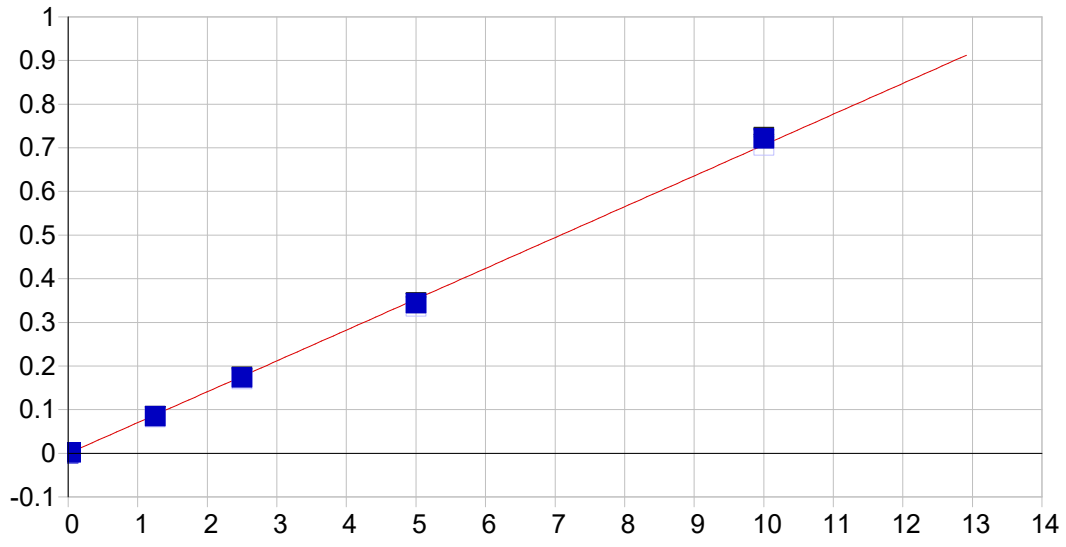
Pb 220.353 {453}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000209	Re-Slope:	1.000000
A1 (Gain):	0.258740	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999925	Status:	OK.
Std Error of Est:	0.000119		
Predicted MDL:	0.002456		
Predicted MQL:	0.008186		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00021	.000	1
S1	.01000	.00750	-.002	-25.0	.00172	.000	1
S2	6.2500	6.1116	-.138	-2.21	1.5793	.008	1
S3	12.500	12.419	-.081	-.646	3.2097	.012	1
S4	25.000	24.683	-.317	-1.27	6.3793	.021	1
S5	50.000	50.538	.538	1.08	13.062	.034	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



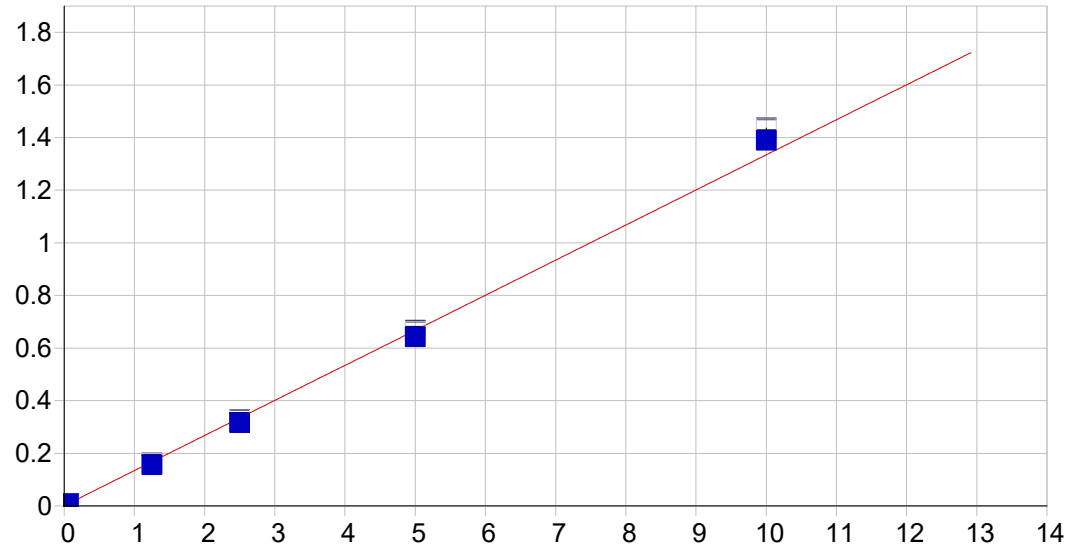
Se 196.090 {472}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000344	Re-Slope:	1.000000
A1 (Gain):	0.070665	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999718	Status:	OK.
Std Error of Est:	0.000052		
Predicted MDL:	0.004164		
Predicted MQL:	0.013880		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00034	.000	1
S1	.03500	.03700	.002	5.71	.00227	.000	1
S2	1.2500	1.2031	-.047	-3.75	.08268	.000	1
S3	2.5000	2.4608	-.039	-1.57	.16958	.001	1
S4	5.0000	4.8734	-.127	-2.53	.33608	.001	1
S5	10.000	10.211	.211	2.11	.70529	.003	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



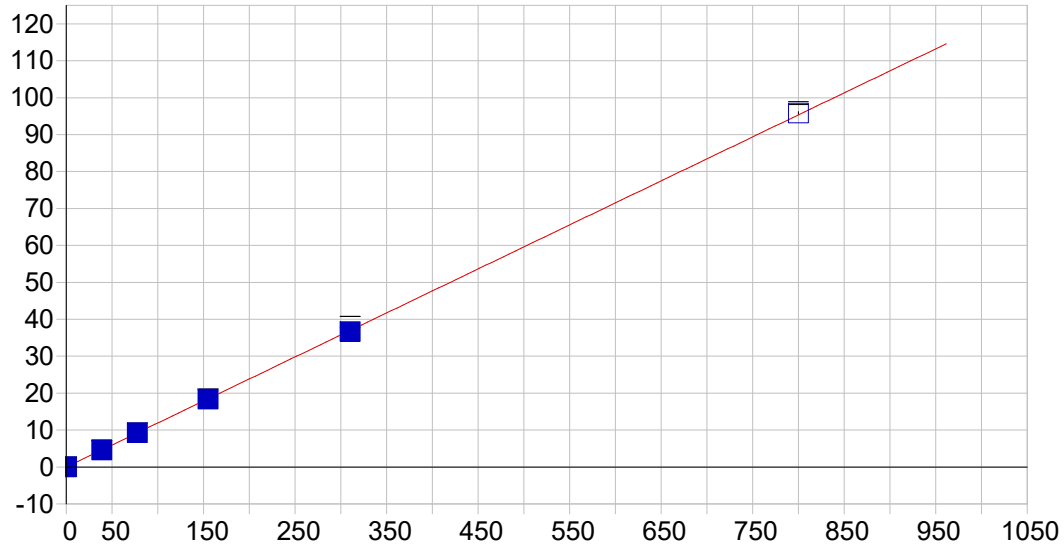
Sb 206.833 {463}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000602	Re-Slope:	1.000000
A1 (Gain):	0.133361	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999083	Status:	OK.
Std Error of Est:	0.000243		
Predicted MDL:	0.002845		
Predicted MQL:	0.009484		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00060	.000	1
S1	.06000	.05719	-.003	-4.68	.00823	.000	1
S2	1.2500	1.1644	-.086	-6.85	.16146	.001	1
S3	2.5000	2.3690	-.131	-5.24	.32767	.001	1
S4	5.0000	4.8099	-.190	-3.80	.66434	.003	1
S5	10.000	10.410	.410	4.10	1.4334	.003	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



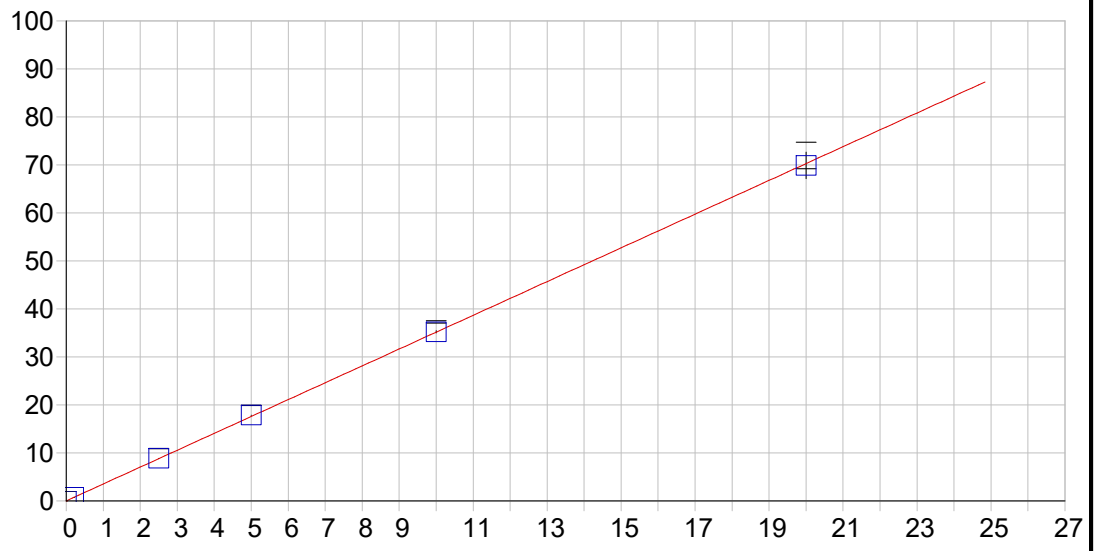
Al 396.152 { 85}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002562	Re-Slope:	1.000000
A1 (Gain):	0.119186	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999979	Status:	OK.
Std Error of Est:	0.000482		
Predicted MDL:	0.020823		
Predicted MQL:	0.069409		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00003	-.000	.000	-.00257	.001	1
S1	.20000	.23652	.037	18.3	.02567	.003	1
S2	38.750	38.425	-.325	-.839	4.5822	.016	1
S3	77.500	77.676	.176	.227	9.2653	.009	1
S4	155.00	154.10	-.902	-.582	18.384	.133	1
S5	310.00	307.20	-2.80	-.902	36.652	1.47	1
S6	800.00	803.82	3.82	.477	95.801	.388	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



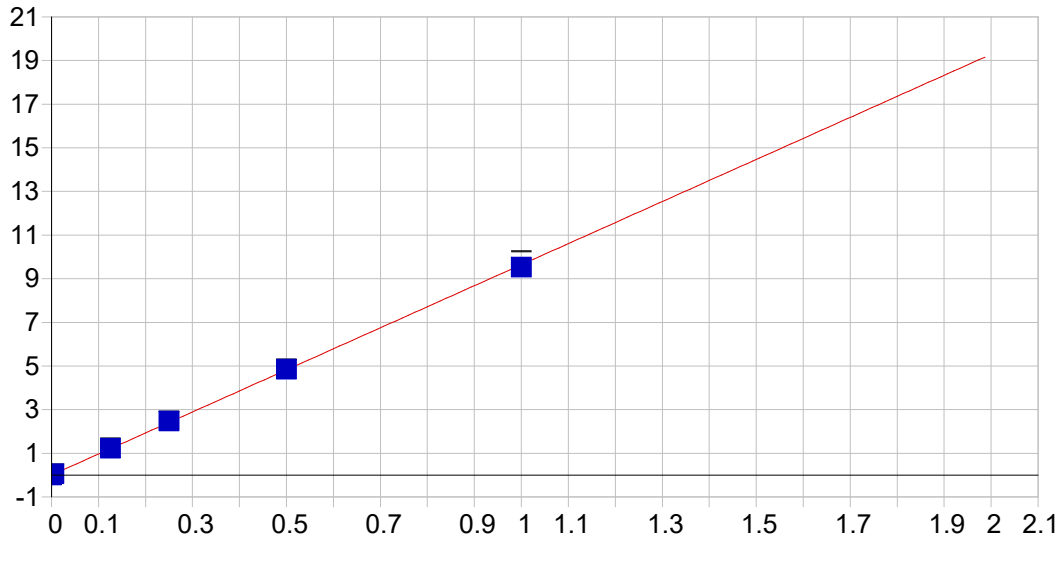
Ba 493.409 { 68}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.021485	Re-Slope:	1.000000
A1 (Gain):	3.513147	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999969	Status:	OK.
Std Error of Est:	0.002928		
Predicted MDL:	0.001251		
Predicted MQL:	0.004171		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.02144	.005	1
S1	.20000	.21023	.010	5.11	.76004	.006	1
S2	2.5000	2.5135	.014	.541	8.8518	.028	1
S3	5.0000	5.0711	.071	1.42	17.837	.054	1
S4	10.000	10.021	.021	.207	35.226	.246	1
S5	20.000	19.884	-.116	-.578	69.878	2.77	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



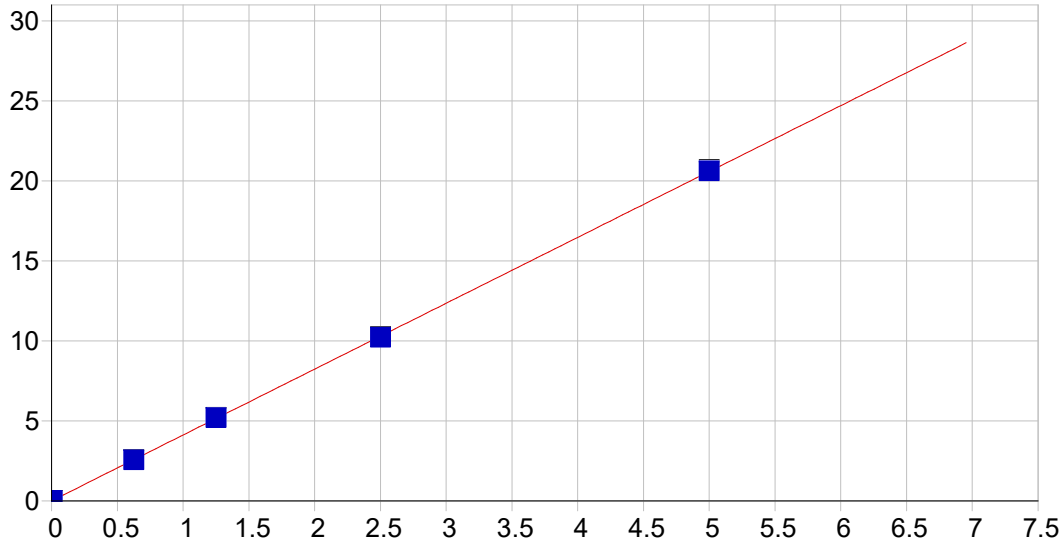
Be 234.861 {144}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000787	Re-Slope:	1.000000
A1 (Gain):	9.643371	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999909	Status:	OK.
Std Error of Est:	0.000486		
Predicted MDL:	0.000125		
Predicted MQL:	0.000418		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00078	.001	1
S1	.00500	.00535	.000	7.08	.05238	.002	1
S2	.12500	.12700	.002	1.60	1.2200	.012	1
S3	.25000	.25592	.006	2.37	2.4576	.009	1
S4	.50000	.50290	.003	.580	4.8283	.009	1
S5	1.0000	.98883	-.011	-1.12	9.4921	.283	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



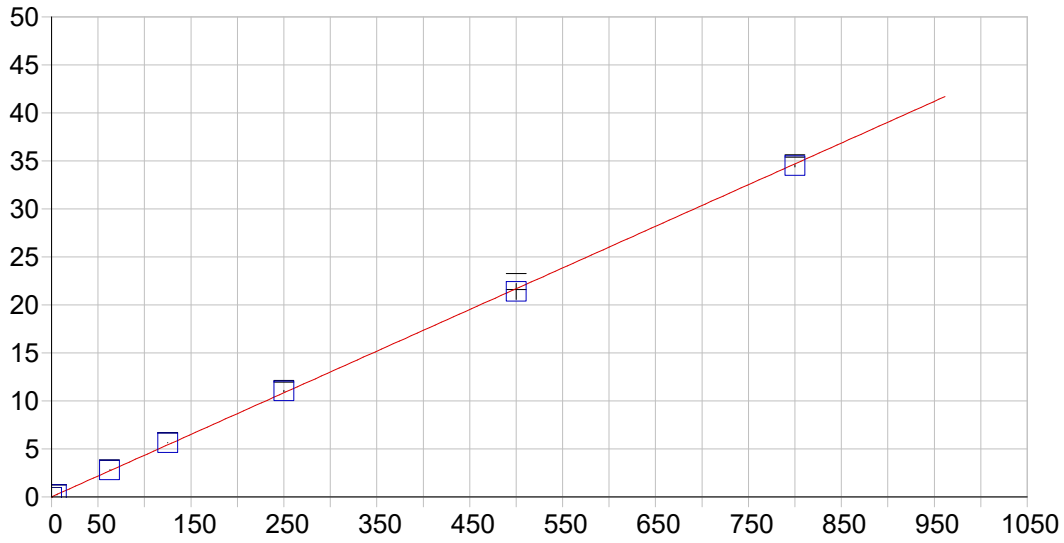
Cd 214.438 {457}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000718	Re-Slope:	1.000000
A1 (Gain):	4.117424	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999987	Status:	OK.
Std Error of Est:	0.000180		
Predicted MDL:	0.000104		
Predicted MQL:	0.000347		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00072	.000	1
S1	.00500	.00487	-.000	-2.63	.02084	.000	1
S2	.62500	.62186	-.003	-.503	2.5651	.015	1
S3	1.2500	1.2619	.012	.953	5.2045	.022	1
S4	2.5000	2.4835	-.016	-.659	10.242	.038	1
S5	5.0000	5.0078	.008	.157	20.652	.051	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



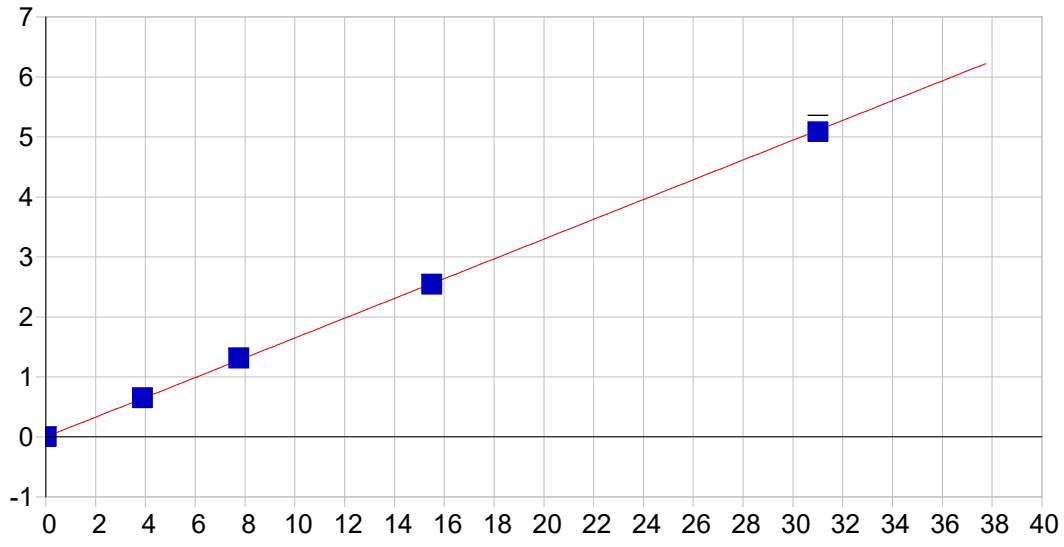
Ca 373.690 { 90}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.004512	Re-Slope:	1.000000
A1 (Gain):	0.043360	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999866	Status:	OK.
Std Error of Est:	0.002480		
Predicted MDL:	0.043090		
Predicted MQL:	0.143633		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00065	-.001	.000	.00448	.001	1
S1	5.0000	5.3035	.304	6.07	.23447	.004	1
S2	62.500	64.409	1.91	3.05	2.7973	.006	1
S3	125.00	130.14	5.14	4.11	5.6475	.010	1
S4	250.00	254.00	4.00	1.60	11.018	.083	1
S5	500.00	493.41	-6.59	-1.32	21.399	.820	1
S6	800.00	795.23	-4.77	-.596	34.486	.128	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



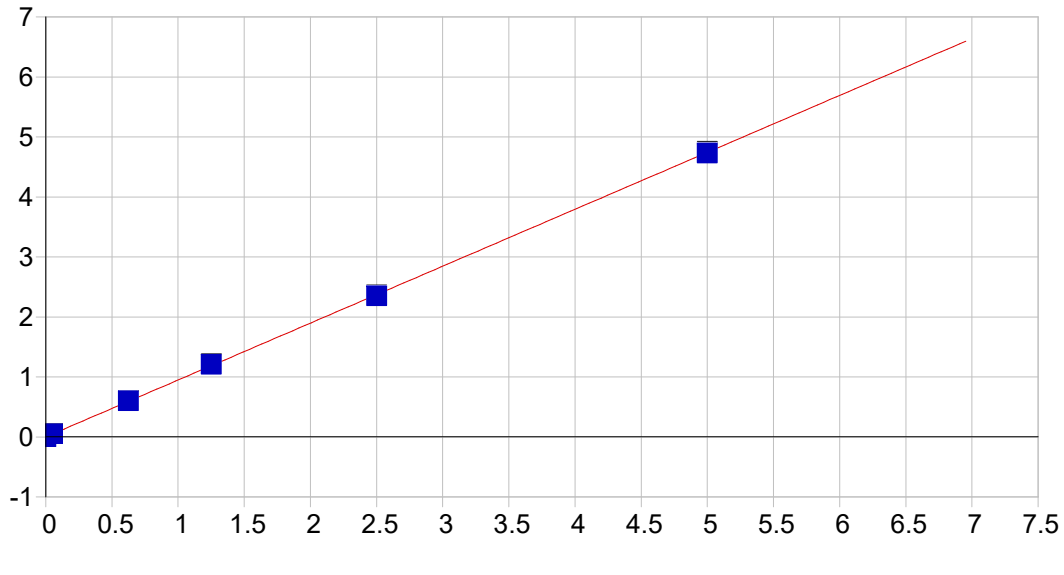
Cr 267.716 {126}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000035	Re-Slope:	1.000000
A1 (Gain):	0.164858	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999940	Status:	OK.
Std Error of Est:	0.000053		
Predicted MDL:	0.001010		
Predicted MQL:	0.003365		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00004	.000	1
S1	.01000	.01096	.001	9.64	.00177	.000	1
S2	3.8750	3.9305	.055	1.43	.64843	.001	1
S3	7.7500	7.9426	.193	2.49	1.3104	.003	1
S4	15.500	15.413	-.087	-.563	2.5429	.001	1
S5	31.000	30.838	-.162	-.522	5.0878	.110	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



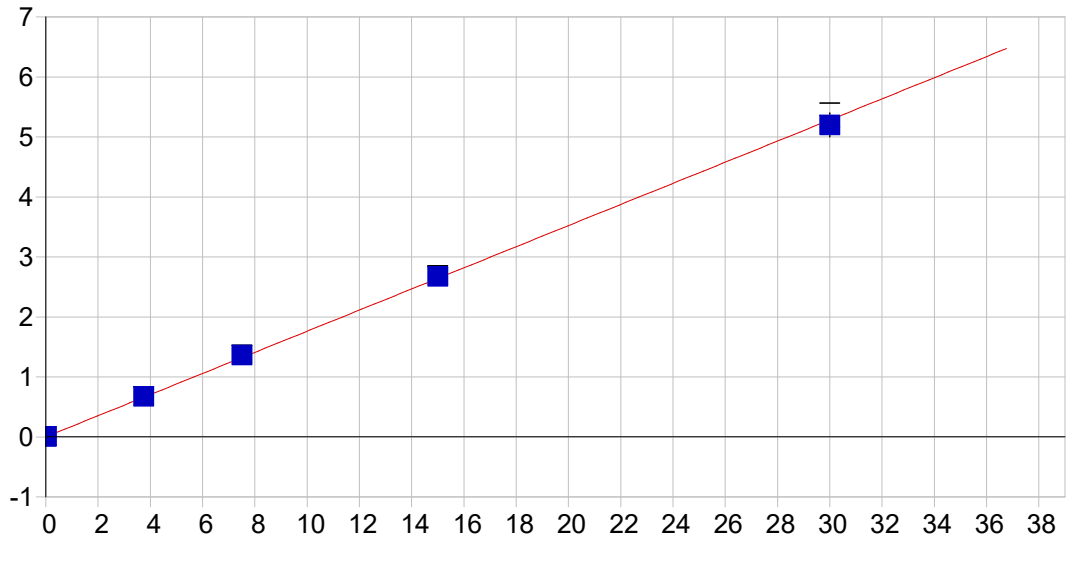
Co 228.616 {448}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000076	Re-Slope:	1.000000
A1 (Gain):	0.948499	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999946	Status:	OK.
Std Error of Est:	0.000264		
Predicted MDL:	0.000454		
Predicted MQL:	0.001514		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00008	.000	1
S1	.05000	.05288	.003	5.77	.05024	.000	1
S2	.62500	.63501	.010	1.60	.60414	.004	1
S3	1.2500	1.2741	.024	1.93	1.2123	.006	1
S4	2.5000	2.4780	-.022	-.881	2.3579	.009	1
S5	5.0000	4.9850	-.015	-.300	4.7435	.015	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



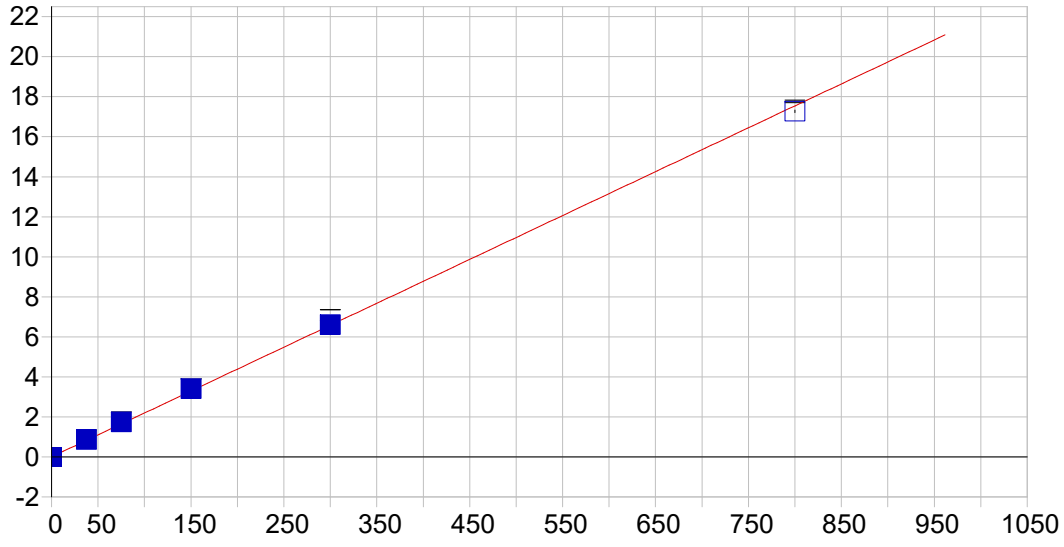
Cu 324.754 {104}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001515	Re-Slope:	1.000000
A1 (Gain):	0.176029	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999843	Status:	OK.
Std Error of Est:	0.000143		
Predicted MDL:	0.006898		
Predicted MQL:	0.022993		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00151	.002	1
S1	.02500	.02495	-.000	-.201	.00590	.001	1
S2	3.7500	3.8152	.065	1.74	.67302	.002	1
S3	7.5000	7.7320	.232	3.09	1.3624	.002	1
S4	15.000	15.172	.172	1.15	2.6719	.017	1
S5	30.000	29.531	-.469	-1.56	5.1992	.200	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



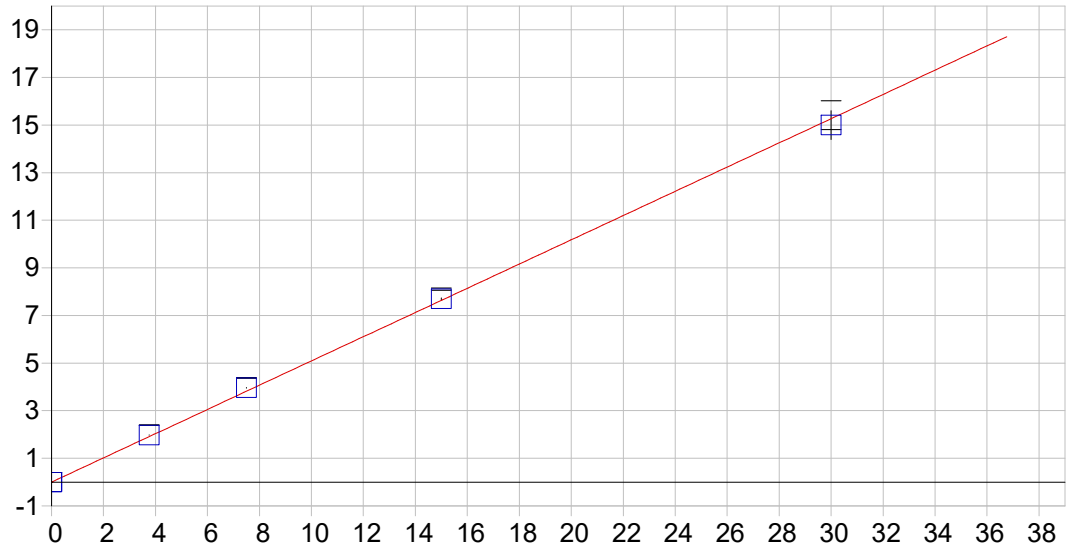
Fe 259.837 {130}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000071	Re-Slope:	1.000000
A1 (Gain):	0.021930	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999732	Status:	OK.
Std Error of Est:	0.000222		
Predicted MDL:	0.033807		
Predicted MQL:	0.112691		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00003	-.000	.000	-.00007	.000	1
S1	.10000	.11524	.015	15.2	.00246	.000	1
S2	37.500	39.470	1.97	5.25	.86569	.005	1
S3	75.000	79.416	4.42	5.89	1.7419	.002	1
S4	150.00	155.10	5.10	3.40	3.4021	.020	1
S5	300.00	300.79	.791	.264	6.5978	.261	1
S6	800.00	787.70	-12.3	-1.54	17.274	.064	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



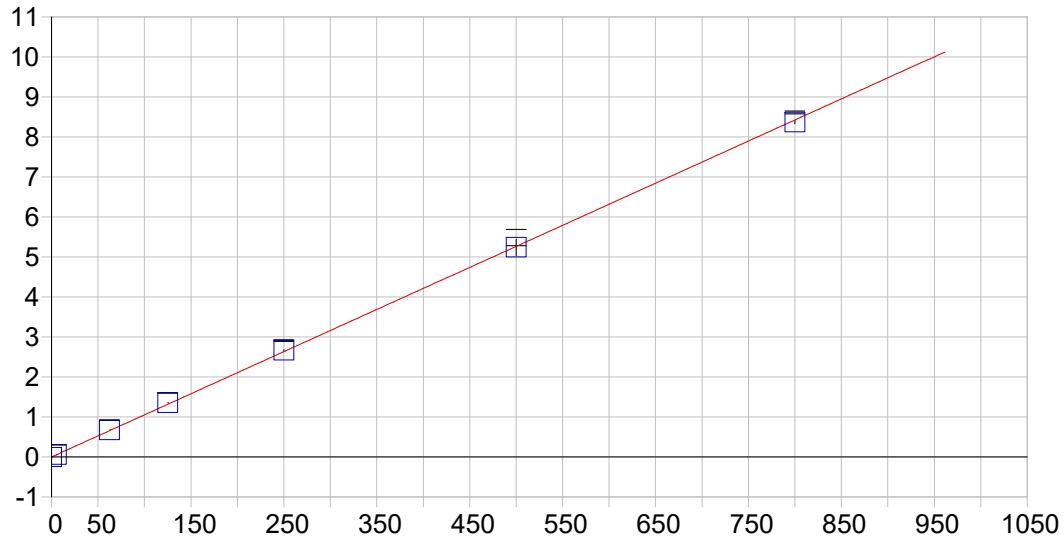
Mn 257.610 {131}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000535	Re-Slope:	1.000000
A1 (Gain):	0.509038	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999763	Status:	OK.
Std Error of Est:	0.000394		
Predicted MDL:	0.001300		
Predicted MQL:	0.004332		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00054	.000	1
S1	.01500	.01851	.004	23.4	.00889	.001	1
S2	3.7500	3.8834	.133	3.56	1.9763	.006	1
S3	7.5000	7.7832	.283	3.78	3.9614	.012	1
S4	15.000	15.114	.114	.762	7.6932	.050	1
S5	30.000	29.466	-.534	-1.78	14.999	.607	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



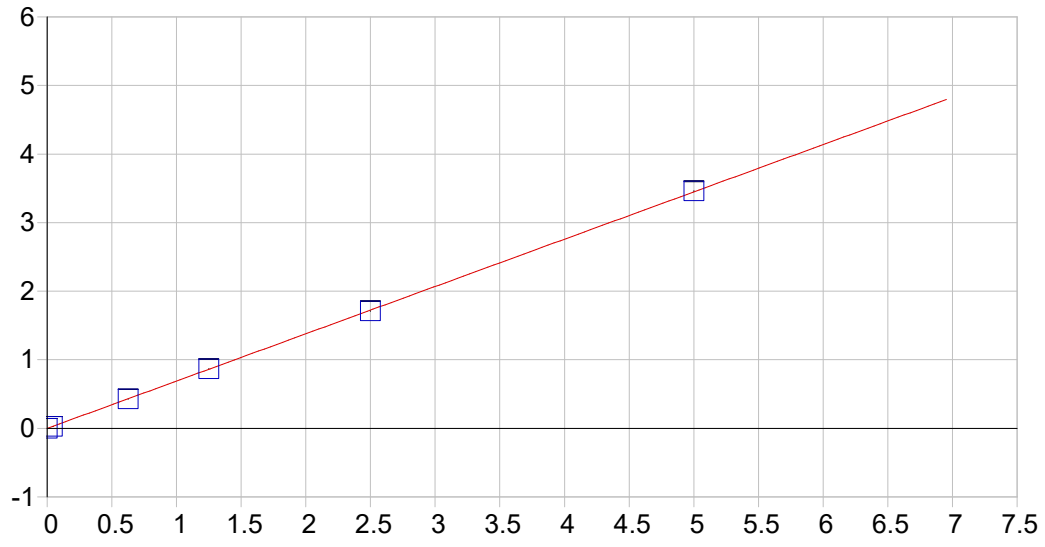
Mg 279.079 {121}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000631	Re-Slope:	1.000000
A1 (Gain):	0.010529	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999931	Status:	OK.
Std Error of Est:	0.000430		
Predicted MDL:	0.073338		
Predicted MQL:	0.244461		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00064	-.001	.000	-.00064	.000	1
S1	5.0000	5.3891	.389	7.78	.05611	.001	1
S2	62.500	64.015	1.51	2.42	.67340	.001	1
S3	125.00	128.39	3.39	2.72	1.3513	.001	1
S4	250.00	252.72	2.72	1.09	2.6603	.018	1
S5	500.00	497.44	-2.56	-.511	5.2371	.204	1
S6	800.00	794.54	-5.46	-.682	8.3653	.038	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



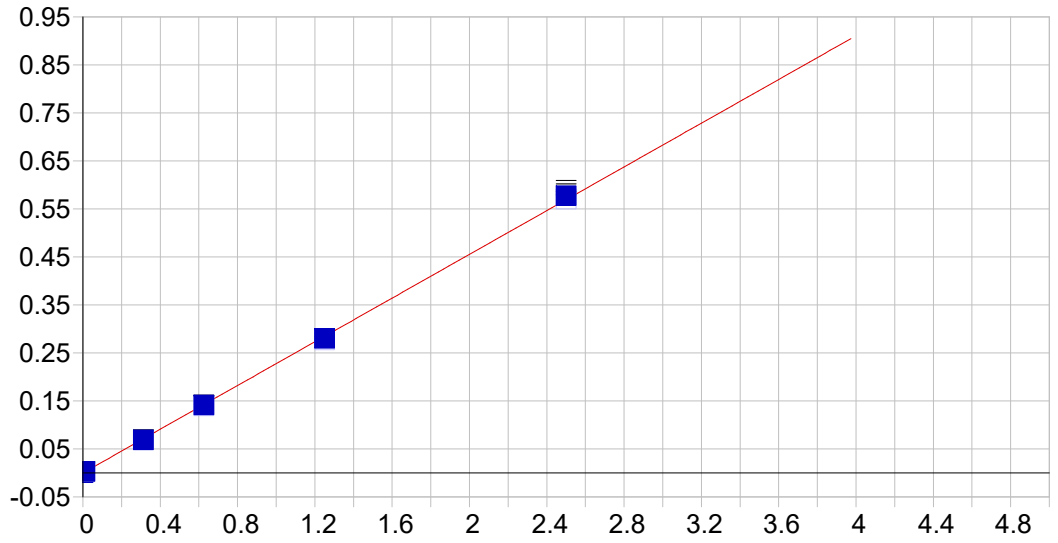
Ni 231.604 {446}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000524	Re-Slope:	1.000000
A1 (Gain):	0.689715	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999982	Status:	OK.
Std Error of Est:	0.000097		
Predicted MDL:	0.000699		
Predicted MQL:	0.002329		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00052	.000	1
S1	.04000	.04024	.000	.609	.02723	.000	1
S2	.62500	.61849	-.007	-1.04	.42606	.002	1
S3	1.2500	1.2593	.009	.743	.86802	.004	1
S4	2.5000	2.4811	-.019	-.757	1.7107	.005	1
S5	5.0000	5.0159	.016	.318	3.4590	.008	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



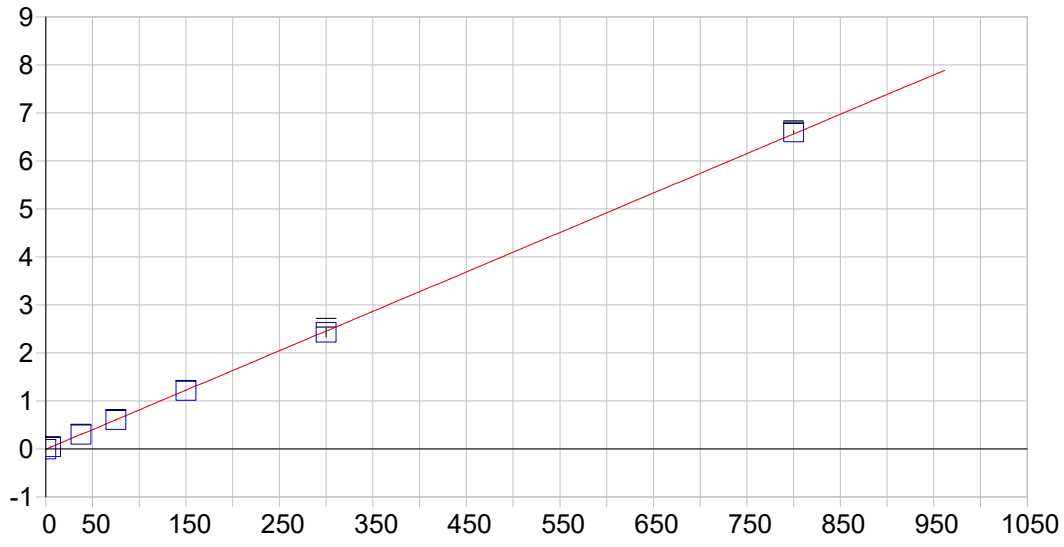
Ag 328.068 {103}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000067	Re-Slope:	1.000000
A1 (Gain):	0.227693	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999858	Status:	OK.
Std Error of Est:	0.000032		
Predicted MDL:	0.001147		
Predicted MQL:	0.003822		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00007	.000	1
S1	.01000	.01097	.001	9.68	.00243	.000	1
S2	.31250	.30192	-.011	-3.38	.06782	.000	1
S3	.62500	.62023	-.005	-.763	.13945	.000	1
S4	1.2500	1.2296	-.020	-1.63	.27650	.000	1
S5	2.5000	2.5347	.035	1.39	.57024	.011	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



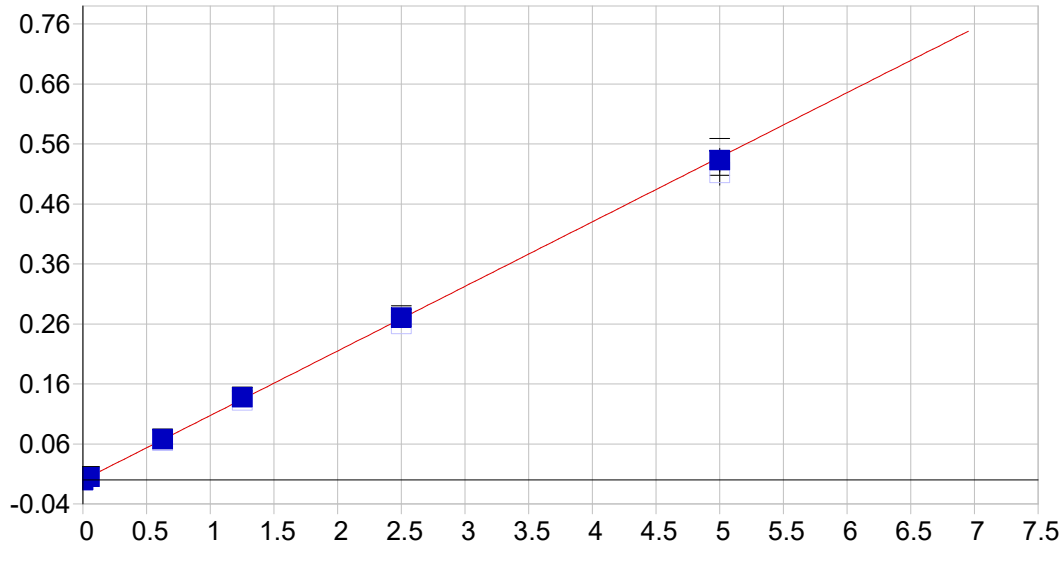
Na 818.326 { 41}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.007954	Re-Slope:	1.000000
A1 (Gain):	0.008212	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999921	Status:	OK.
Std Error of Est:	0.000319		
Predicted MDL:	0.650532		
Predicted MQL:	2.168441		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00069	-.001	.000	-.00796	.004	1
S1	5.0000	5.7999	.800	16.0	.03967	.005	1
S2	37.500	37.470	-.030	-.081	.29974	.008	1
S3	75.000	74.524	-.476	-.634	.60403	.010	1
S4	150.00	148.75	-1.25	-.834	1.2135	.009	1
S5	300.00	296.27	-3.73	-1.24	2.4250	.089	1
S6	800.00	804.69	4.69	.586	6.6000	.026	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



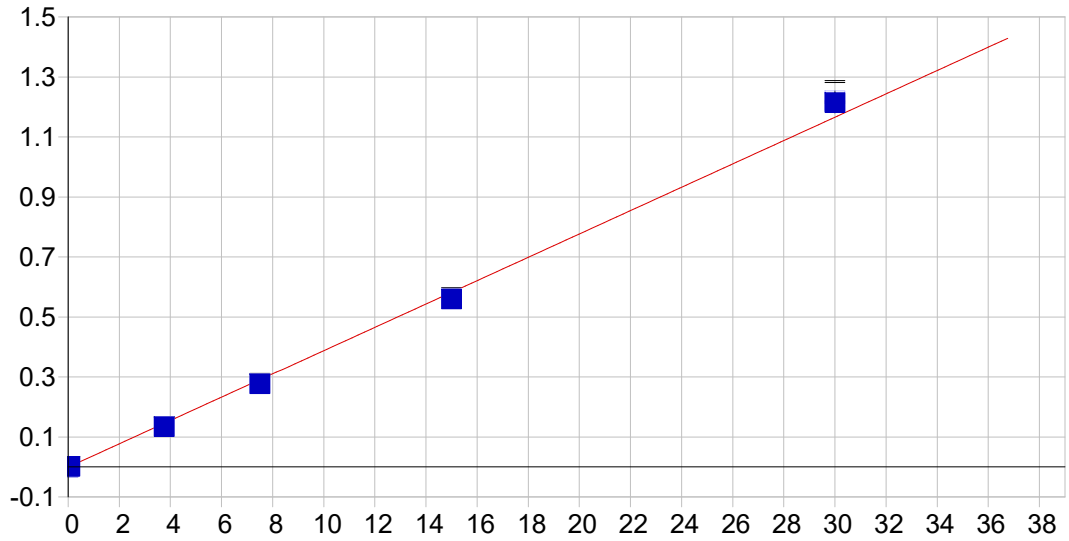
V 292.402 {115}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000263	Re-Slope:	1.000000
A1 (Gain):	0.107625	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999897	Status:	OK.
Std Error of Est:	0.000039		
Predicted MDL:	0.008696		
Predicted MQL:	0.028988		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00026	.001	1
S1	.05000	.04521	-.005	-9.58	.00459	.001	1
S2	.62500	.63065	.006	.904	.06492	.001	1
S3	1.2500	1.2807	.031	2.45	.13218	.001	1
S4	2.5000	2.5150	.015	.599	.25963	.003	1
S5	5.0000	4.9537	-.046	-.927	.51131	.020	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



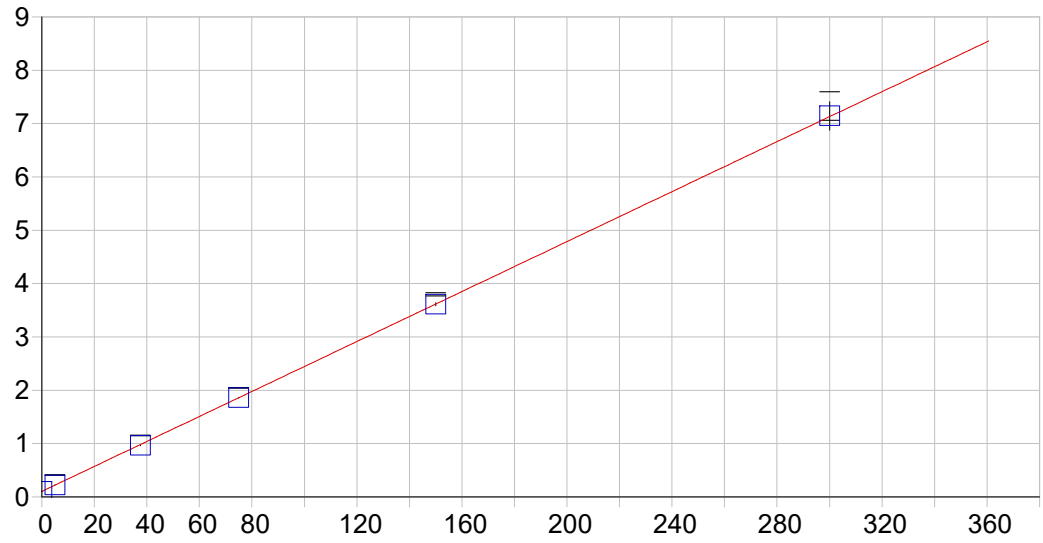
Zn 213.856 {158}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001150	Re-Slope:	1.000000
A1 (Gain):	0.038905	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998980	Status:	OK.
Std Error of Est:	0.000126		
Predicted MDL:	0.010309		
Predicted MQL:	0.034364		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	-.00115	.001	1
S1	.06000	.05141	-.009	-14.3	.00086	.000	1
S2	3.7500	3.4623	-.288	-7.67	.13426	.001	1
S3	7.5000	7.1329	-.367	-4.89	.27778	.001	1
S4	15.000	14.414	-.586	-3.90	.56249	.002	1
S5	30.000	31.249	1.25	4.16	1.2203	.034	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



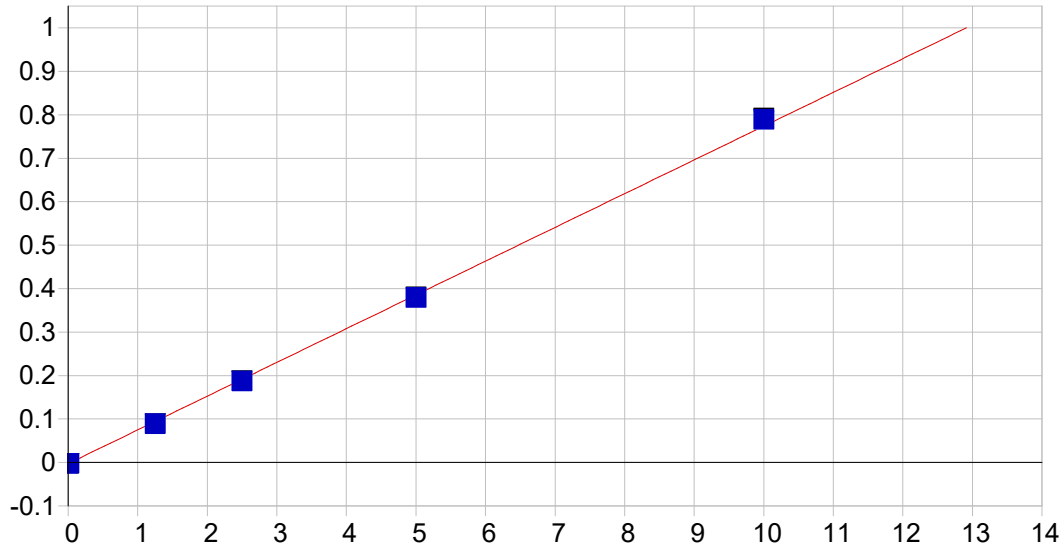
K 769.896 { 44}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.103060	Re-Slope:	1.000000
A1 (Gain):	0.023421	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999982	Status:	OK.
Std Error of Est:	0.000293		
Predicted MDL:	0.161262		
Predicted MQL:	0.537540		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00011	-.000	.000	.10306	.003	1
S1	5.0000	5.1888	.189	3.78	.22459	.002	1
S2	37.500	36.835	-.665	-1.77	.96579	.004	1
S3	75.000	75.063	.063	.084	1.8611	.006	1
S4	150.00	149.75	-.251	-.167	3.6104	.029	1
S5	300.00	300.66	.664	.221	7.1449	.268	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



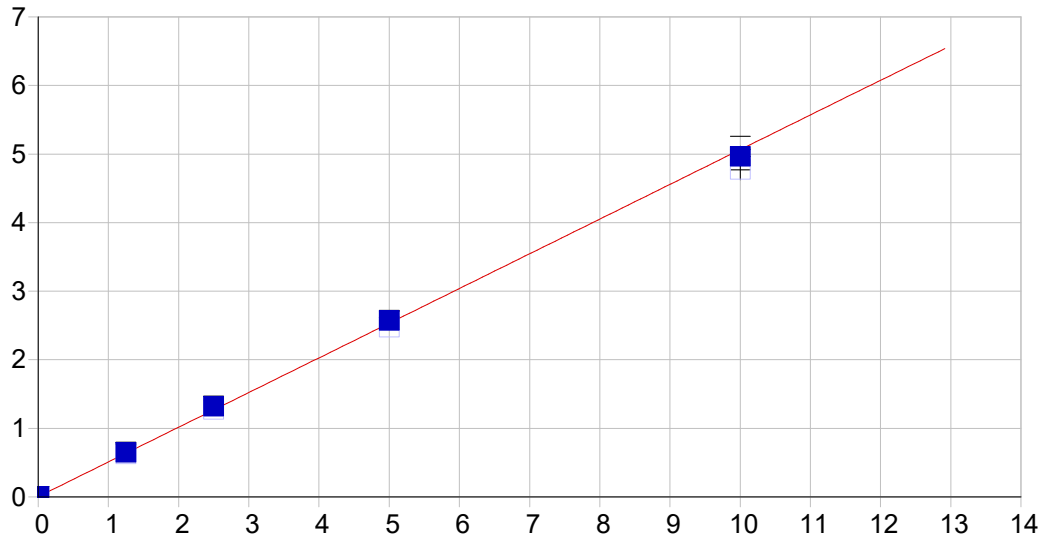
P 177.495 {490}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002738	Re-Slope:	1.000000
A1 (Gain):	0.077654	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999715	Status:	OK.
Std Error of Est:	0.000031		
Predicted MDL:	0.002558		
Predicted MQL:	0.008526		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00274	.000	1
S1	.01000	.01067	.001	6.72	-.00191	.000	1
S2	1.2500	1.1802	-.070	-5.58	.08877	.001	1
S3	2.5000	2.4470	-.053	-2.12	.18700	.001	1
S4	5.0000	4.9168	-.083	-1.66	.37851	.002	1
S5	10.000	10.205	.205	2.05	.78862	.003	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

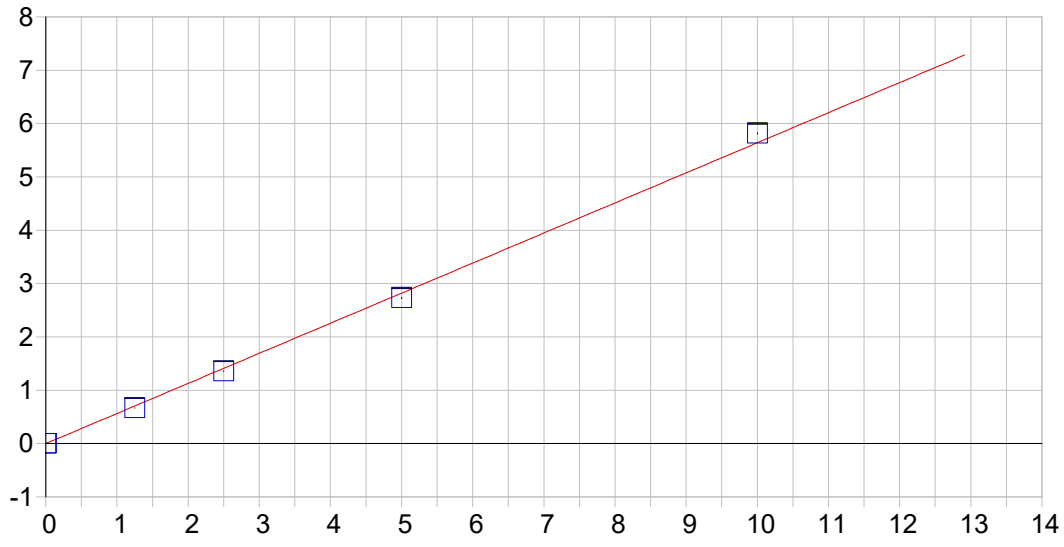


B 249.678 {135}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.003648	Re-Slope:	1.000000
A1 (Gain):	0.505973	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999408	Status:	OK.
Std Error of Est:	0.000281		
Predicted MDL:	0.002681		
Predicted MQL:	0.008938		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00365	.001	1
S1	.01000	-.00056	-.011	-106.	.00333	.001	1
S2	1.2500	1.2766	.027	2.12	.62550	.006	1
S3	2.5000	2.6015	.102	4.06	1.2718	.005	1
S4	5.0000	5.0734	.073	1.47	2.4744	.005	1
S5	10.000	9.8095	-.190	-1.90	4.7746	.148	1



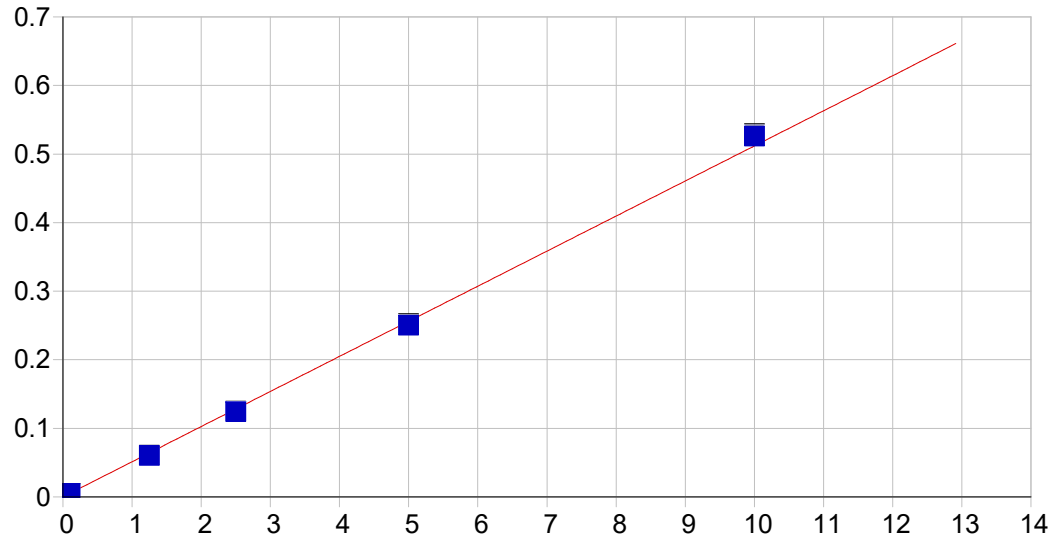
Mo 202.030 {467}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000011	Re-Slope:	1.000000
A1 (Gain):	0.564067	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999441	Status:	OK.
Std Error of Est:	0.000316		
Predicted MDL:	0.000542		
Predicted MQL:	0.001808		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00001	.000	1
S1	.01000	.00970	-.000	-3.01	.00548	.000	1
S2	1.2500	1.1849	-.065	-5.21	.66838	.004	1
S3	2.5000	2.4122	-.088	-3.51	1.3606	.006	1
S4	5.0000	4.8432	-.157	-3.14	2.7319	.014	1
S5	10.000	10.310	.310	3.10	5.8155	.012	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



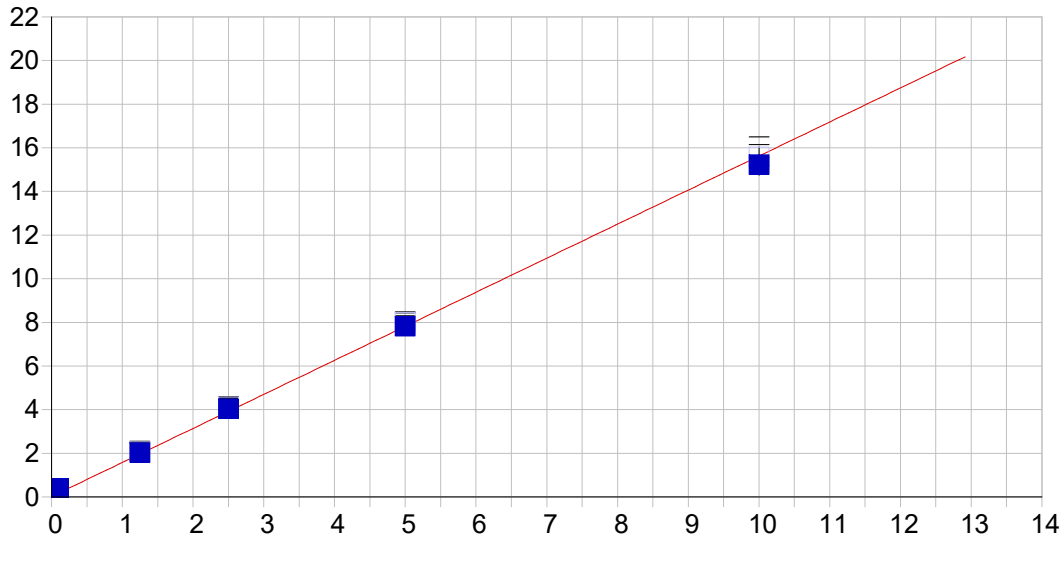
S 182.034 {485}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000200	Re-Slope:	1.000000
A1 (Gain):	0.051175	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999541	Status:	OK.
Std Error of Est:	0.000083		
Predicted MDL:	0.004548		
Predicted MQL:	0.015159		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00020	.000	1
S1	.10000	.09513	-.005	-4.87	.00507	.000	1
S2	1.2500	1.1735	-.077	-6.12	.06046	.000	1
S3	2.5000	2.4217	-.078	-3.13	.12454	.001	1
S4	5.0000	4.8865	-.113	-2.27	.25109	.002	1
S5	10.000	10.273	.273	2.73	.52758	.002	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



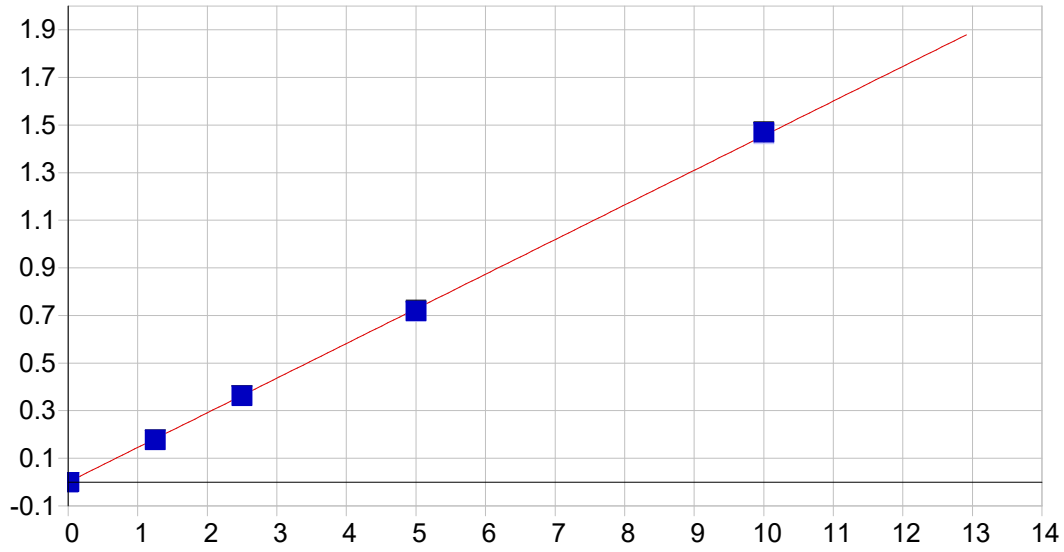
Si 251.611 {134}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.017209	Re-Slope:	1.000000
A1 (Gain):	1.560569	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.994033	Status:	OK.
Std Error of Est:	0.009306		
Predicted MDL:	0.000941		
Predicted MQL:	0.003135		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00015	-.000	.000	.01697	.001	1
S1	.10000	.25071	.151	151.	.41067	.002	1
S2	1.2500	1.2859	.036	2.87	2.0682	.027	1
S3	2.5000	2.5740	.074	2.96	4.1226	.015	1
S4	5.0000	5.0003	.000	.006	7.9976	.023	1
S5	10.000	9.7404	-.260	-2.60	15.572	.474	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



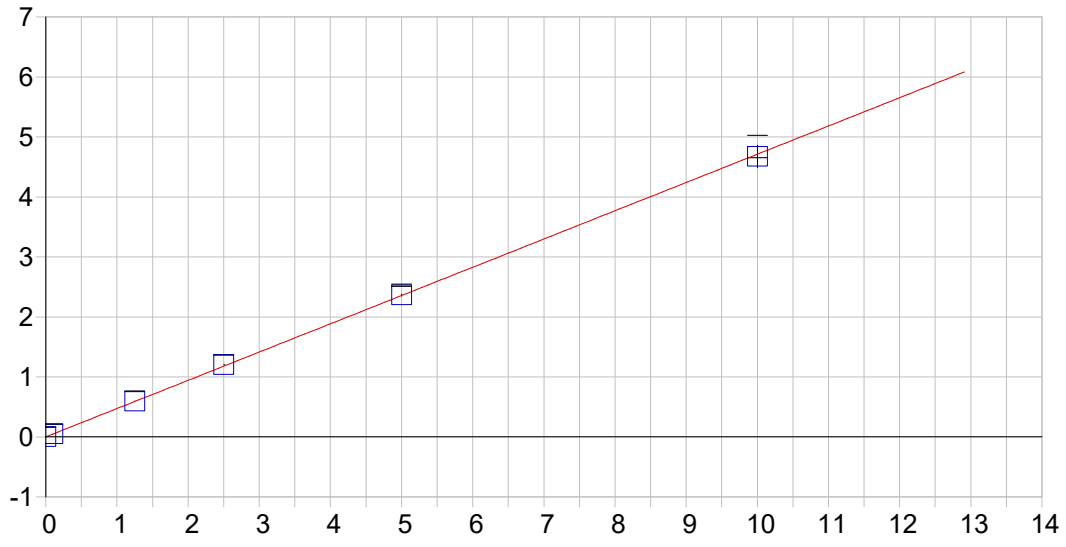
Sn 189.989 {478}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000156	Re-Slope:	1.000000
A1 (Gain):	0.145520	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999928	Status:	OK.
Std Error of Est:	0.000024		
Predicted MDL:	0.001445		
Predicted MQL:	0.004818		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00016	.000	1
S1	.00700	.00791	.001	12.9	.00126	.000	1
S2	1.2500	1.2167	-.033	-2.66	.17630	.001	1
S3	2.5000	2.4942	-.006	-.232	.36129	.001	1
S4	5.0000	4.9404	-.060	-1.19	.71545	.004	1
S5	10.000	10.098	.098	.978	1.4623	.002	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



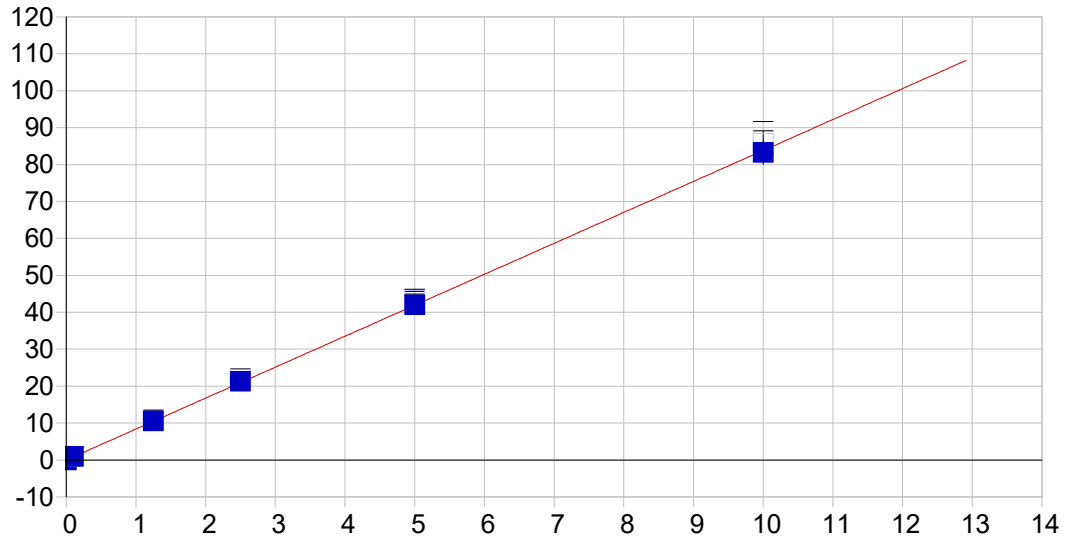
Ti 336.121 {100}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000987	Re-Slope:	1.000000
A1 (Gain):	0.471042	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999954	Status:	OK.
Std Error of Est:	0.000240		
Predicted MDL:	0.003116		
Predicted MQL:	0.010387		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00099	.003	1
S1	.10000	.10075	.001	.749	.04844	.002	1
S2	1.2500	1.2585	.008	.679	.59379	.005	1
S3	2.5000	2.5511	.051	2.04	1.2027	.001	1
S4	5.0000	5.0158	.016	.317	2.3637	.018	1
S5	10.000	9.9238	-.076	-.762	4.6755	.188	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



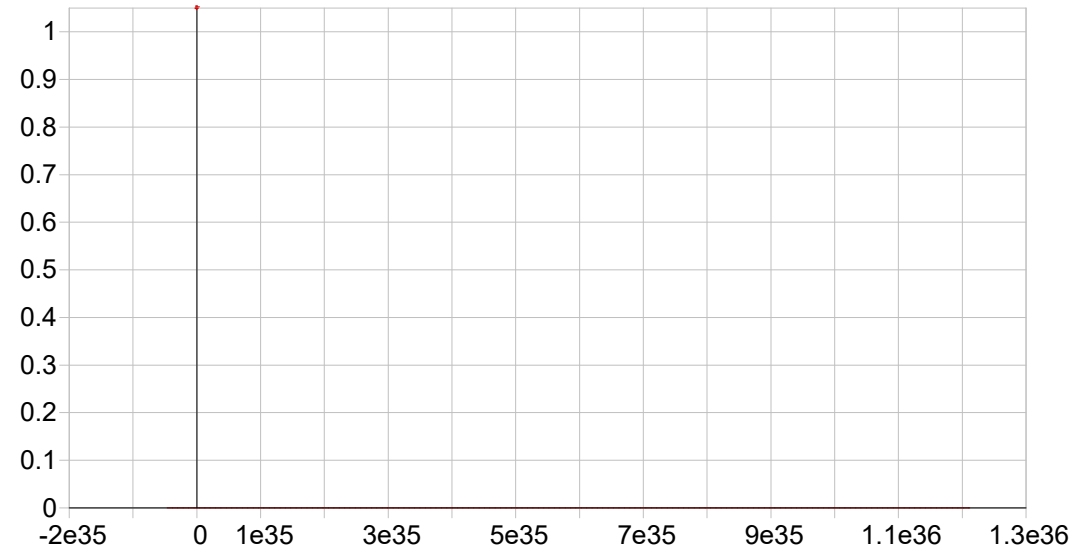
Sr 407.771 { 83}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.004045	Re-Slope:	1.000000
A1 (Gain):	8.382719	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999951	Status:	OK.
Std Error of Est:	0.004545		
Predicted MDL:	0.000257		
Predicted MQL:	0.000858		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.00414	.001	1
S1	.10000	.10896	.009	8.96	.91020	.004	1
S2	1.2500	1.2587	.009	.693	10.861	.056	1
S3	2.5000	2.5404	.040	1.62	21.920	.033	1
S4	5.0000	5.0079	.008	.158	43.233	.307	1
S5	10.000	9.9343	-.066	-.657	85.787	3.18	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

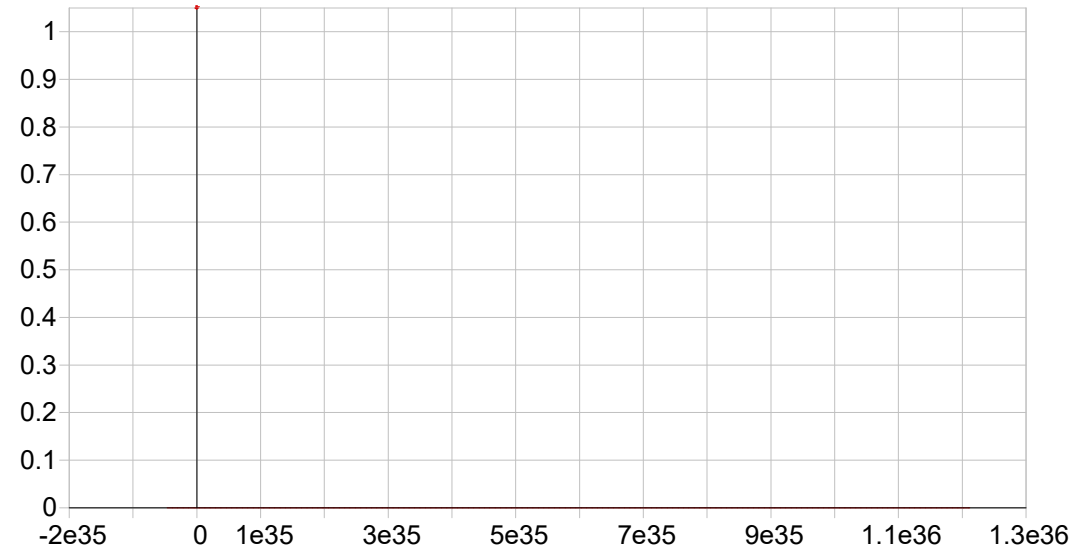


Y 224.306 {450}*

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		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

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



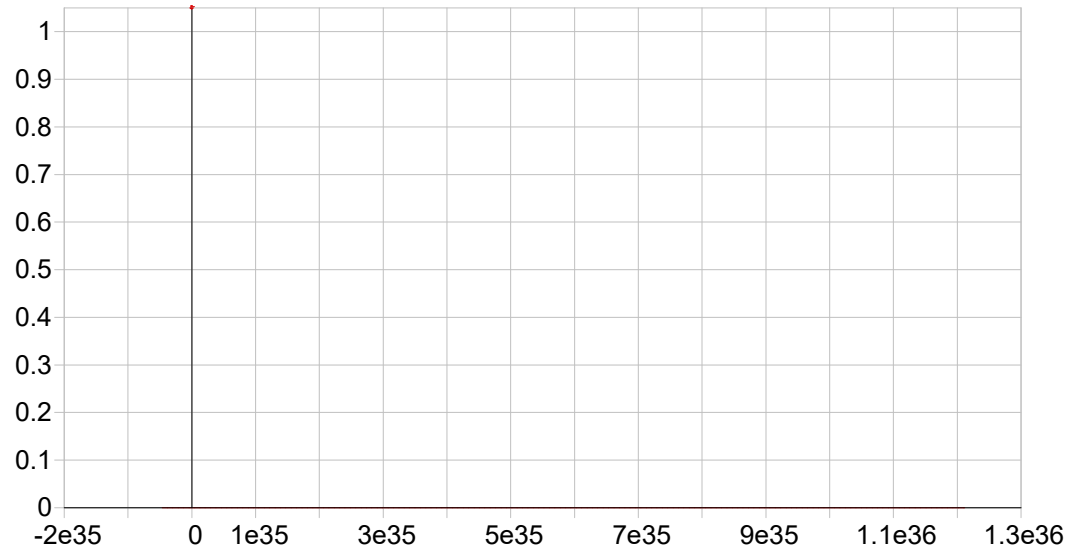
Y 360.073 { 94}*

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				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

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



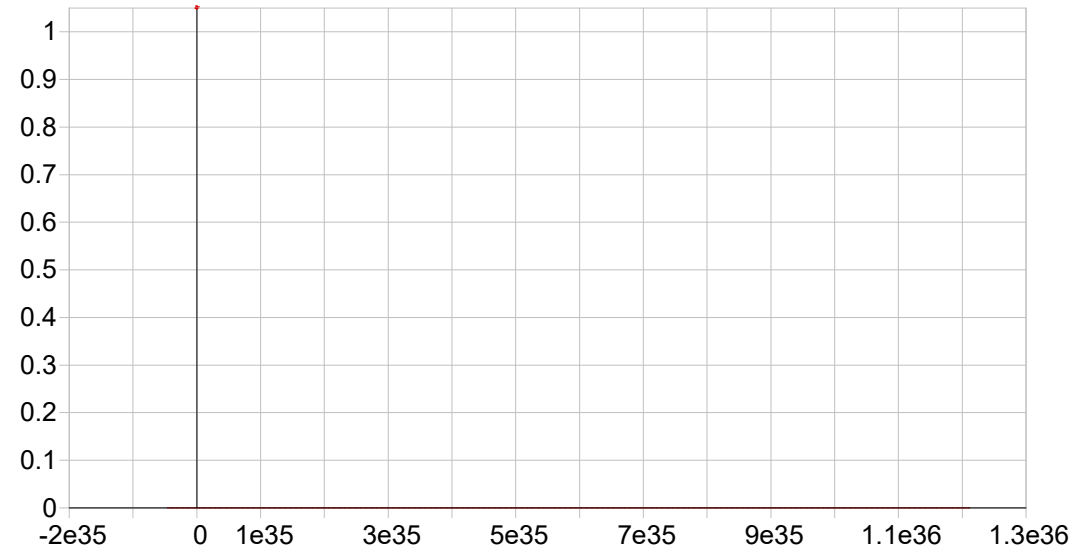
Y 371.030 { 91}*

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

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

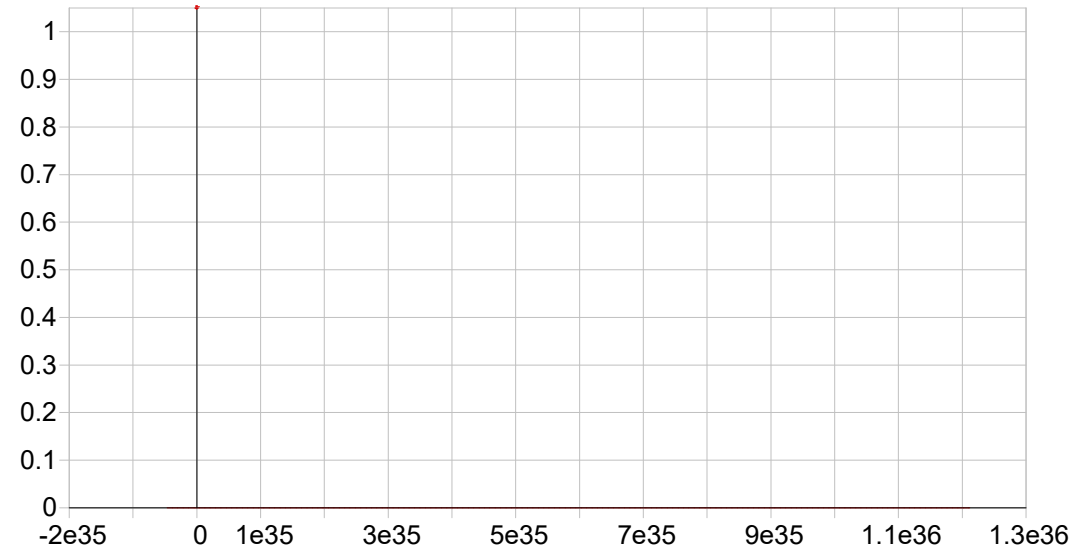
Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5



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				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

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



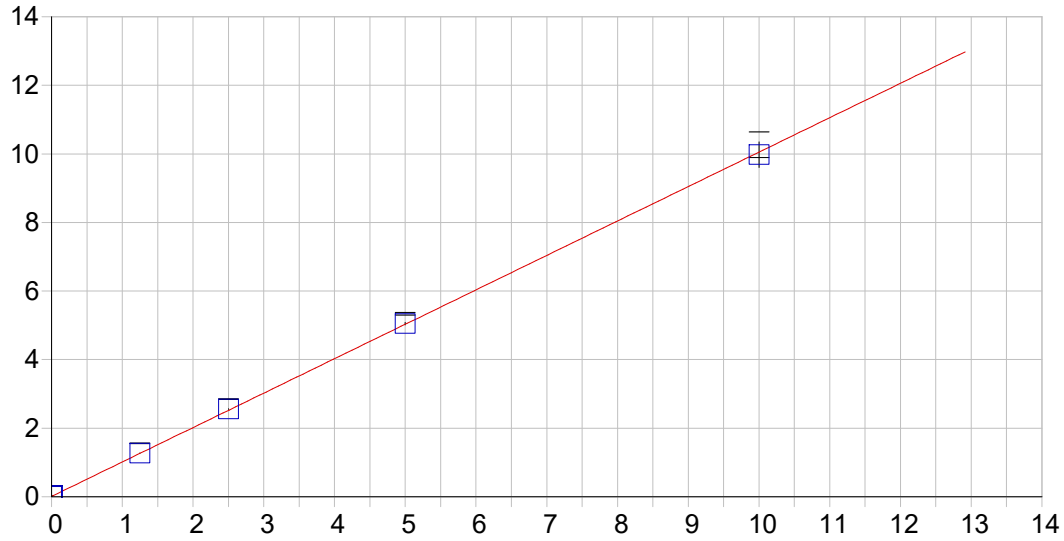
In 230.606 {446}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	

Reviewed By:Mohan
On:12/21/2024 3:05:48 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				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

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



Li 670.784 { 50}

Date of Fit:	12/18/2024 12:02:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.009646	Re-Slope:	1.000000
A1 (Gain):	1.004159	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999780	Status:	OK.
Std Error of Est:	0.000432		
Predicted MDL:	0.004318		
Predicted MQL:	0.014395		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00964	.003	1
S5	10.000	9.9302	-.070	-.698	9.9812	.374	1
S4	5.0000	5.0177	.018	.354	5.0482	.038	1
S3	2.5000	2.5376	.038	1.50	2.5578	.008	1
S2	1.2500	1.2541	.004	.331	1.2690	.007	1
S1	.01500	.02533	.010	68.8	.03508	.002	1

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: S0 Acquired: 12/18/2024 17:17:03 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S0 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	.25274	-.00009	-.00021	-.00034	.00060	-.00257	.02144	.00078
Stddev	.43820	.00033	.00011	.00013	.00048	.00080	.00457	.00082
%RSD	173.38	357.70	54.095	37.481	79.819	31.330	21.317	105.07
#1	-.13165	-.00003	-.00021	-.00020	.00095	-.00178	.02553	-.00016
#2	.15998	-.00045	-.00032	-.00042	.00081	-.00254	.02228	.00136
#3	.72990	.00020	-.00009	-.00042	.00005	-.00338	.01651	.00115

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	.00072	.00448	-.00004	-.00008	.00151	-.00007	-.00054	-.00064
Stddev	.00019	.00087	.00005	.00015	.00176	.00046	.00047	.00032
%RSD	26.349	19.297	139.61	190.94	115.93	639.65	86.889	49.923
#1	.00094	.00542	-.00004	.00009	.00257	-.00053	-.00106	-.00097
#2	.00062	.00431	.00001	-.00013	-.00051	.00038	-.00040	-.00033
#3	.00060	.00372	-.00008	-.00020	.00249	-.00006	-.00016	-.00061

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	-.00052	-.00007	-.00796	-.00026	-.00115	.10306	-.00274	.00365
Stddev	.00012	.00034	.00446	.00108	.00060	.00290	.00012	.00110
%RSD	22.193	501.18	55.984	411.95	51.838	2.8114	4.4658	30.178
#1	-.00039	.00007	-.01008	-.00132	-.00104	.10370	-.00286	.00399
#2	-.00058	-.00045	-.01095	-.00031	-.00179	.10558	-.00274	.00242
#3	-.00060	.00018	-.00284	.00084	-.00062	.09989	-.00261	.00455

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00001	.00020	.01697	.00016	.00099	-.00414	.00964
Stddev	.00008	.00012	.00136	.00024	.00268	.00052	.00255
%RSD	715.79	59.950	7.9908	151.72	272.23	12.668	26.429
#1	-.00001	.00023	.01627	.00003	-.00096	-.00437	.01254
#2	.00010	.00030	.01853	.00043	.00404	-.00354	.00859
#3	-.00005	.00007	.01611	.00001	-.00013	-.00450	.00778

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: S0 Acquired: 12/18/2024 17:17:03 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S0 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2354.2	29983.	2193.9	2042.4	2131.1
Stddev	4.4	128.	7.6	7.0	3.1
%RSD	.18713	.42741	.34801	.34388	.14580
#1	2357.9	30096.	2197.4	2045.6	2134.5
#2	2349.3	29844.	2185.1	2034.4	2128.4
#3	2355.4	30010.	2199.1	2047.3	2130.5

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: S1 Acquired: 12/18/2024 17:21:10 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S01 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	1.5287	.00207	.00172	.00227	.00823	.02567	.76004	.05238
Stddev	.4463	.00021	.00040	.00041	.00012	.00285	.00557	.00188
%RSD	29.194	9.9689	23.423	18.057	1.4143	11.123	.73346	3.5959
#1	1.0215	.00231	.00146	.00189	.00834	.02283	.76261	.05224
#2	1.8614	.00195	.00218	.00221	.00811	.02854	.75365	.05432
#3	1.7031	.00196	.00151	.00270	.00825	.02562	.76387	.05056

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	.02084	.23447	.00177	.05024	.00590	.00246	.00889	.05611
Stddev	.00049	.00395	.00013	.00014	.00092	.00038	.00063	.00101
%RSD	2.3499	1.6837	7.4159	.27087	15.615	15.409	7.0837	1.8057
#1	.02115	.23409	.00162	.05022	.00626	.00263	.00956	.05497
#2	.02028	.23073	.00186	.05011	.00485	.00202	.00831	.05645
#3	.02109	.23860	.00184	.05038	.00659	.00272	.00879	.05691

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	.02723	.00243	.03967	.00459	.00086	.22459	-.00191	.00333
Stddev	.00017	.00016	.00461	.00065	.00010	.00175	.00010	.00057
%RSD	.63918	6.6739	11.627	14.202	11.295	.78038	5.0377	17.159
#1	.02735	.00226	.04455	.00462	.00075	.22296	-.00201	.00321
#2	.02732	.00244	.03538	.00392	.00088	.22645	-.00182	.00396
#3	.02703	.00258	.03908	.00522	.00094	.22435	-.00189	.00284

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00548	.00507	.41067	.00126	.04844	.91020	.03508
Stddev	.00008	.00032	.00223	.00004	.00189	.00433	.00195
%RSD	1.5169	6.2632	.54388	3.3006	3.9113	.47560	5.5459
#1	.00554	.00543	.41006	.00131	.04789	.90551	.03430
#2	.00539	.00489	.41315	.00123	.04688	.91105	.03364
#3	.00551	.00488	.40881	.00125	.05055	.91404	.03729

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: S1 Acquired: 12/18/2024 17:21:10 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S01 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2360.8	29914.	2197.8	2044.8	2145.1
Stddev	4.8	236.	1.5	12.8	3.4
%RSD	.20159	.78932	.06850	.62684	.15966
#1	2355.9	29813.	2197.0	2038.0	2141.2
#2	2361.0	30183.	2199.5	2059.6	2147.6
#3	2365.4	29744.	2196.9	2036.9	2146.5

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: S2 Acquired: 12/18/2024 17:25:17 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S02 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	159.97	.10800	1.5793	.08268	.16146	4.5822	8.8518	1.2200
Stddev	.75	.00127	.0079	.00030	.00131	.0161	.0280	.0121
%RSD	.46721	1.1728	.49991	.35961	.81285	.35212	.31604	.98781
#1	160.77	.10753	1.5775	.08246	.16087	4.5735	8.8241	1.2081
#2	159.29	.10704	1.5726	.08257	.16055	4.5722	8.8513	1.2196
#3	159.84	.10944	1.5880	.08302	.16296	4.6008	8.8801	1.2322

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	2.5651	2.7973	.64843	.60414	.67302	.86569	1.9763	.67340
Stddev	.0152	.0064	.00128	.00366	.00207	.00471	.0063	.00120
%RSD	.59336	.22842	.19789	.60616	.30683	.54356	.31884	.17773
#1	2.5575	2.7911	.64743	.60273	.67091	.86623	1.9693	.67312
#2	2.5552	2.7969	.64797	.60139	.67312	.86074	1.9780	.67238
#3	2.5826	2.8038	.64988	.60830	.67504	.87010	1.9816	.67472

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	.42606	.06782	.29974	.06492	.13426	.96579	.08877	.62550
Stddev	.00168	.00014	.00762	.00087	.00061	.00425	.00052	.00577
%RSD	.39361	.20798	2.5418	1.3419	.45394	.43975	.58187	.92307
#1	.42508	.06799	.29141	.06437	.13454	.96186	.08876	.61897
#2	.42510	.06774	.30636	.06592	.13357	.96521	.08825	.62760
#3	.42799	.06774	.30146	.06445	.13469	.97029	.08929	.62993

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.66838	.06046	2.0682	.17630	.59379	10.861	1.2690
Stddev	.00378	.00032	.0271	.00130	.00480	.056	.0067
%RSD	.56509	.53283	1.3120	.73945	.80885	.51948	.52614
#1	.66840	.06025	2.0375	.17568	.58850	10.801	1.2619
#2	.66460	.06030	2.0780	.17542	.59498	10.870	1.2700
#3	.67215	.06083	2.0891	.17780	.59789	10.913	1.2751

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: S2 Acquired: 12/18/2024 17:25:17 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S02 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2282.4	29068.	2213.8	1967.1	1978.1
Stddev	11.8	100.	13.4	2.5	11.2
%RSD	.51692	.34340	.60711	.12457	.56389
#1	2286.3	28956.	2229.3	1969.8	1984.7
#2	2291.8	29102.	2207.7	1965.1	1984.2
#3	2269.2	29147.	2204.6	1966.3	1965.2

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: S3 Acquired: 12/18/2024 17:29:08 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S03 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	319.21	.21766	3.2097	.16958	.32767	9.2653	17.837	2.4576
Stddev	1.28	.00083	.0123	.00134	.00126	.0090	.054	.0091
%RSD	.40044	.38205	.38433	.79001	.38427	.09754	.30305	.37177
#1	320.27	.21804	3.2147	.16978	.32758	9.2569	17.856	2.4477
#2	317.79	.21671	3.1956	.16815	.32647	9.2749	17.879	2.4657
#3	319.56	.21824	3.2187	.17080	.32898	9.2642	17.776	2.4594

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	5.2045	5.6475	1.3104	1.2123	1.3624	1.7419	3.9614	1.3513
Stddev	.0216	.0097	.0033	.0059	.0016	.0022	.0124	.0013
%RSD	.41403	.17216	.24963	.48454	.11943	.12715	.31404	.09444
#1	5.2131	5.6519	1.3103	1.2155	1.3616	1.7441	3.9668	1.3498
#2	5.1799	5.6542	1.3071	1.2055	1.3643	1.7420	3.9702	1.3519
#3	5.2204	5.6364	1.3137	1.2158	1.3613	1.7396	3.9472	1.3521

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	.86802	.13945	.60403	.13218	.27778	1.8611	.18700	1.2718
Stddev	.00416	.00019	.01003	.00074	.00124	.0055	.00101	.0055
%RSD	.47967	.13785	1.6606	.55874	.44653	.29657	.54004	.42846
#1	.87137	.13938	.59246	.13143	.27841	1.8597	.18731	1.2657
#2	.86336	.13930	.61031	.13290	.27635	1.8564	.18587	1.2760
#3	.86935	.13966	.60931	.13221	.27858	1.8672	.18782	1.2738

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.3606	.12454	4.1226	.36129	1.2027	21.920	2.5578
Stddev	.0060	.00063	.0147	.00122	.0014	.033	.0081
%RSD	.44341	.50687	.35541	.33715	.11556	.14966	.31817
#1	1.3606	.12469	4.1080	.36161	1.2038	21.940	2.5634
#2	1.3546	.12385	4.1373	.35994	1.2030	21.938	2.5616
#3	1.3667	.12509	4.1225	.36232	1.2011	21.882	2.5485

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: S3 Acquired: 12/18/2024 17:29:08 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S03 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2217.8	28656.	2213.8	1912.2	1907.7
Stddev	10.6	87.	8.6	4.2	7.7
%RSD	.47594	.30480	.38922	.22118	.40398
#1	2219.2	28662.	2223.1	1914.8	1905.9
#2	2227.6	28741.	2206.1	1914.4	1916.1
#3	2206.6	28566.	2212.4	1907.3	1901.0

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: S4 Acquired: 12/18/2024 17:32:55 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S04 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	612.02	.42366	6.3793	.33608	.66434	18.384	35.226	4.8283
Stddev	.41	.00208	.0209	.00121	.00297	.133	.246	.0094
%RSD	.06650	.49156	.32827	.36130	.44643	.72261	.69918	.19520
#1	612.48	.42391	6.3859	.33674	.66407	18.242	34.987	4.8185
#2	611.70	.42146	6.3559	.33468	.66152	18.403	35.210	4.8372
#3	611.88	.42560	6.3962	.33682	.66744	18.506	35.479	4.8292

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	10.242	11.018	2.5429	2.3579	2.6719	3.4021	7.6932	2.6603
Stddev	.038	.083	.0014	.0093	.0170	.0199	.0499	.0179
%RSD	.36914	.75523	.05371	.39512	.63720	.58648	.64921	.67399
#1	10.252	10.939	2.5414	2.3592	2.6533	3.3820	7.6412	2.6431
#2	10.200	11.011	2.5430	2.3481	2.6760	3.4023	7.6976	2.6589
#3	10.274	11.105	2.5442	2.3666	2.6866	3.4219	7.7408	2.6789

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	1.7107	.27650	1.2135	.25963	.56249	3.6104	.37851	2.4744
Stddev	.0053	.00031	.0095	.00312	.00234	.0287	.00174	.0049
%RSD	.31188	.11307	.77994	1.2001	.41552	.79457	.45906	.19719
#1	1.7124	.27629	1.2102	.25640	.55989	3.5828	.37879	2.4699
#2	1.7048	.27686	1.2062	.25988	.56442	3.6082	.37664	2.4796
#3	1.7150	.27634	1.2242	.26261	.56316	3.6400	.38008	2.4738

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.7319	.25109	7.9976	.71545	2.3637	43.233	5.0482
Stddev	.0137	.00155	.0232	.00354	.0179	.307	.0376
%RSD	.50176	.61853	.29040	.49475	.75915	.70977	.74392
#1	2.7338	.25091	7.9711	.71608	2.3481	42.900	5.0091
#2	2.7174	.24964	8.0074	.71163	2.3596	43.297	5.0514
#3	2.7446	.25273	8.0144	.71863	2.3833	43.503	5.0840

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: S4 Acquired: 12/18/2024 17:32:55 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S04 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2098.1	27758.	2154.6	1797.5	1814.7
Stddev	7.9	31.	5.0	4.9	4.6
%RSD	.37565	.11210	.23235	.27070	.25123
#1	2096.5	27773.	2160.0	1800.4	1813.0
#2	2106.7	27780.	2153.6	1791.9	1819.9
#3	2091.2	27723.	2150.2	1800.2	1811.3

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: S5 Acquired: 12/18/2024 17:36:39 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S05 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	1197.8	.84411	13.062	.70529	1.4334	36.652	69.878	9.4921
Stddev	3.8	.00164	.034	.00309	.0028	1.470	2.772	.2830
%RSD	.31353	.19464	.25713	.43758	.19576	4.0096	3.9673	2.9810
#1	1194.7	.84335	13.050	.70381	1.4315	34.970	66.688	9.1783
#2	1202.0	.84298	13.036	.70322	1.4321	37.689	71.705	9.7276
#3	1196.8	.84599	13.100	.70884	1.4366	37.297	71.242	9.5706

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	20.652	21.399	5.0878	4.7435	5.1992	6.5978	14.999	5.2371
Stddev	.051	.820	.1102	.0147	.2003	.2614	.607	.2041
%RSD	.24523	3.8315	2.1660	.30917	3.8515	3.9618	4.0477	3.8972
#1	20.635	20.462	5.0971	4.7427	4.9713	6.2985	14.301	5.0036
#2	20.612	21.983	4.9733	4.7292	5.3469	6.7814	15.403	5.3816
#3	20.709	21.752	5.1931	4.7585	5.2794	6.7134	15.292	5.3261

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	3.4590	.57024	2.4250	.51131	1.2203	7.1449	.78862	4.7746
Stddev	.0080	.01127	.0895	.01976	.0342	.2679	.00287	.1482
%RSD	.23195	1.9758	3.6905	3.8646	2.8032	3.7497	.36406	3.1036
#1	3.4576	.57103	2.3233	.48854	1.2120	6.8374	.78703	4.6125
#2	3.4518	.55860	2.4916	.52393	1.1910	7.3277	.78690	4.9032
#3	3.4676	.58109	2.4601	.52146	1.2579	7.2698	.79194	4.8080

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.8155	.52758	15.572	1.4623	4.6755	85.787	9.9812
Stddev	.0122	.00204	.474	.0016	.1882	3.185	.3736
%RSD	.20987	.38645	3.0436	.11155	4.0247	3.7123	3.7436
#1	5.8109	.52638	15.054	1.4632	4.4601	82.130	9.5528
#2	5.8064	.52643	15.983	1.4604	4.8080	87.947	10.240
#3	5.8294	.52993	15.679	1.4633	4.7584	87.285	10.151

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: S5 Acquired: 12/18/2024 17:36:39 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S05 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1910.1	26505.	2158.1	1611.9	1708.3
Stddev	8.6	584.	71.4	39.1	8.1
%RSD	.44795	2.2023	3.3091	2.4260	.47404
#1	1907.3	26510.	2238.0	1609.0	1705.5
#2	1919.7	27086.	2100.6	1652.4	1717.5
#3	1903.3	25919.	2135.6	1574.4	1702.0

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: S6 Acquired: 12/18/2024 17:40:31 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S06 Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3736	Fe2598	Mg2790	Na8183
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	95.801	34.486	17.274	8.3653	6.6000
Stddev	.388	.128	.064	.0380	.0261
%RSD	.40536	.37006	.37158	.45423	.39566
#1	95.406	34.353	17.208	8.3354	6.5980
#2	96.182	34.608	17.337	8.4081	6.6270
#3	95.816	34.496	17.278	8.3526	6.5749

Int. Std.	Y_3710
Units	Cts/S
Avg	2088.4
Stddev	7.8
%RSD	.37254
#1	2094.4
#2	2079.6
#3	2091.3

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: ICV007 Acquired: 12/18/2024 18:21:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV007 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.086369	1.026157	.9885841	1.000080	.9321094	2.486015
Stddev	.007344	.003679	.0018039	.003609	.0019824	.015180
%RSD	.6760235	.3585701	.1824725	.3608972	.2126803	.6106126
#1	1.077983	1.026760	.9875178	1.003849	.9321657	2.478671
#2	1.089474	1.022214	.9875677	.996656	.9340630	2.475904
#3	1.091651	1.029499	.9906669	.999736	.9300994	2.503471

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5336251	.5359374	.5066449	10.50691	.5507927	.5081123
Stddev	.0032374	.0028501	.0002725	.08544	.0016329	.0006021
%RSD	.6066858	.5317921	.0537936	.8131993	.2964651	.1184943
#1	.5300991	.5392188	.5068886	10.40987	.5518601	.5083090
#2	.5343131	.5345149	.5063506	10.57088	.5489129	.5074364
#3	.5364633	.5340787	.5066955	10.53998	.5516051	.5085914

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5171781	10.77680	.5466314	6.403240	.5162180	.2427231
Stddev	.0072572	.06359	.0041503	.068479	.0017172	.0017334
%RSD	1.403228	.5900318	.7592438	1.069438	.3326461	.7141569
#1	.5227217	10.80224	.5445333	6.460193	.5174467	.2424120
#2	.5089641	10.70443	.5439491	6.422266	.5142559	.2411662
#3	.5198486	10.82373	.5514118	6.327260	.5169512	.2445909

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.74185	.5335586	.9133608	9.495941	F .0024870	F -.004516
Stddev	.31401	.0132850	.0205089	.025091	.0001619	.000196
%RSD	2.923273	2.489890	2.245433	.2642311	6.509920	4.334362
#1	11.07987	.5207550	.9265356	9.488057	.0023387	-.004732
#2	10.68647	.5472777	.8897313	9.524027	.0024627	-.004464
#3	10.45921	.5326430	.9238154	9.475738	.0026597	-.004351

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: ICV007 Acquired: 12/18/2024 18:21:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV007 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.000180	F .0084457	F .0016816	F .0007544	F -.002841	F -.009277
Stddev	.000446	.0019247	.0004511	.0014180	.004280	.000223
%RSD	247.5158	22.78957	26.82276	187.9679	150.6718	2.399028
#1	.000266	.0102773	.0014972	-.000031	-.004566	-.009413
#2	-.000626	.0086202	.0013520	.002391	.002033	-.009020
#3	-.000180	.0064397	.0021957	-.000098	-.005989	-.009398

Elem	Li6707
Units	ppm
Avg	F .0032113
Stddev	.0061074
%RSD	190.1815
#1	-.002148
#2	.009861
#3	.001921

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2392.130	29976.50	2222.999	2067.187	2144.675
Stddev	10.189	106.69	3.943	7.326	7.382
%RSD	.4259408	.3559082	.1773757	.3544149	.3441937
#1	2386.080	30098.92	2223.232	2074.765	2140.621
#2	2403.894	29927.19	2218.945	2066.653	2153.196
#3	2386.417	29903.38	2226.821	2060.141	2140.209

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: ICB007 Acquired: 12/18/2024 18:31:38 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB007 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000394	-.002071	-.000436	-.000287	.0014988	.0039005	.0000719
Stddev	.007071	.000648	.002528	.001015	.0036294	.0124294	.0012135
%RSD	1792.675	31.27980	579.8579	354.2438	242.1477	318.6627	1688.126
#1	-.001138	-.001340	-.003238	.000843	-.002400	-.009916	-.000340
#2	.007019	-.002300	.001674	-.001122	.004779	.014173	-.000882
#3	-.007064	-.002573	.000256	-.000582	.002118	.007445	.001438

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000076	-.000118	.0401427	.0007526	-.000186	-.005883	.0267258
Stddev	.000141	.000073	.0091448	.0007389	.000074	.001869	.0075391
%RSD	186.2682	61.70274	22.78083	98.18240	39.80743	31.77700	28.20910
#1	.000012	-.000121	.0298398	.0009025	-.000228	-.003786	.0247756
#2	-.000239	-.000188	.0432903	.0014050	-.000230	-.006489	.0203534
#3	-.000000	-.000043	.0472981	-.000050	-.000101	-.007374	.0350484

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011175	-.031663	.0001901	-.000327	.2379511	.0020128	.0070858
Stddev	.0009692	.064637	.0004876	.000712	.1915359	.0091085	.0019133
%RSD	86.73226	204.1414	256.5037	217.6246	80.49381	452.5346	27.00232
#1	.0005227	.025711	.0002738	-.000088	.4331862	.0097640	.0056838
#2	.0005938	-.101691	.0006305	-.001128	.0503422	-.008019	.0063082
#3	.0022359	-.019008	-.000334	.000235	.2303249	.004294	.0092656

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0328283	-.001964	-.006993	.0001469	.0046004	-.000409	-.000604
Stddev	.1651373	.003280	.003706	.0003585	.0017615	.000638	.001064
%RSD	503.0335	166.9998	52.99007	244.0750	38.28924	155.9287	176.1576
#1	.1066480	.000280	-.010243	-.000013	.0064867	-.000214	-.000769
#2	-.156342	-.005729	-.007779	.000557	.0029983	.000109	-.001575
#3	.148179	-.000444	-.002958	-.000104	.0043164	-.001122	.000533

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: ICB007 Acquired: 12/18/2024 18:31:38 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB007 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0001508	.0000142	.0061414
Stddev	.0005957	.0004404	.0008733
%RSD	394.9557	3102.459	14.22043
#1	-.000235	-.000001	.0051536
#2	-.000149	.000462	.0068112
#3	.000837	-.000418	.0064592

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2435.094	30384.94	2246.850	2102.663	2183.223
Stddev	8.367	12.40	22.144	6.170	7.638
%RSD	.3436136	.0407942	.9855388	.2934185	.3498436
#1	2443.747	30396.49	2221.534	2095.756	2189.852
#2	2434.491	30386.48	2262.618	2104.606	2184.947
#3	2427.045	30371.84	2256.398	2107.627	2174.871

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: ICSA007 Acquired: 12/18/2024 18:35:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA007 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042686	-.019210	-.003281	.0198132	.0072777	245.7806
Stddev	.0025418	.005025	.001708	.0037164	.0008089	1.6568
%RSD	59.54646	26.15929	52.04952	18.75702	11.11418	.6741081
#1	.0015037	-.024878	-.004270	.0208855	.0066352	246.5931
#2	.0047983	-.017450	-.001309	.0156786	.0070119	243.8743
#3	.0065038	-.015301	-.004264	.0228755	.0081860	246.8743

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0063374	.0024152	.0007418	253.7895	.0530711	.0441110
Stddev	.0008279	.0002259	.0001174	1.3915	.0002251	.0003907
%RSD	13.06419	9.352576	15.82120	.5483006	.4241171	.8856608
#1	.0065672	.0025557	.0006063	254.5875	.0531159	.0439326
#2	.0054189	.0021547	.0008097	252.1827	.0532705	.0445591
#3	.0070262	.0025353	.0008094	254.5983	.0528270	.0438415

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.010375	104.6617	.0129608	264.8110	.0041036	.0024967
Stddev	.002348	.6916	.0006982	2.0186	.0004897	.0005841
%RSD	22.62899	.6607562	5.386999	.7622862	11.93376	23.39592
#1	-.008134	104.9815	.0126396	265.6253	.0037050	.0020544
#2	-.012816	103.8681	.0137618	262.5125	.0046502	.0031589
#3	-.010175	105.1355	.0124810	266.2953	.0039554	.0022769

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3873966	.0042441	-.005957	-.431714	-.000210	F -.015008
Stddev	.1272338	.0013798	.008097	.175530	.001140	.005540
%RSD	32.84329	32.51045	135.9101	40.65879	543.9416	36.91291
#1	.2446897	.0043195	-.006822	-.606727	-.001470	-.020864
#2	.4889906	.0028282	.002537	-.432742	.000094	-.009850
#3	.4285094	.0055847	-.013587	-.255672	.000748	-.014310

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: ICSA007 Acquired: 12/18/2024 18:35:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA007 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020470	.0229691	-.003897	F .0134323	-.001108	.0031308
Stddev	.0002666	.0064384	.001336	.0006231	.001226	.0005182
%RSD	13.02457	28.03073	34.27656	4.638891	110.5637	16.55089
#1	.0021193	.0285282	-.005290	.0128619	.000295	.0025719
#2	.0017518	.0159146	-.002628	.0133377	-.001656	.0035952
#3	.0022701	.0244646	-.003772	.0140973	-.001965	.0032255

Elem	Li6707
Units	ppm
Avg	.0119099
Stddev	.0046780
%RSD	39.27786
#1	.0167102
#2	.0073648
#3	.0116547

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2288.819	28244.10	2202.046	1970.002	1923.814
Stddev	8.756	86.45	17.310	7.878	8.968
%RSD	.3825424	.3060699	.7860976	.3998809	.4661455
#1	2293.265	28234.53	2189.310	1965.408	1926.763
#2	2278.733	28162.84	2221.756	1965.499	1913.743
#3	2294.460	28334.93	2195.073	1979.098	1930.936

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: ICSAB007 Acquired: 12/18/2024 18:48:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB007 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1047146	.0875627	.0545767	.0707680	.5935805	245.6680
Stddev	.0010451	.0018478	.0006494	.0069692	.0019724	.3644
%RSD	.9980509	2.110278	1.189918	9.847944	.3322950	.1483302
#1	.1056644	.0865629	.0544424	.0666262	.5928915	245.3923
#2	.1035950	.0864302	.0552827	.0788142	.5958051	245.5305
#3	.1048843	.0896950	.0540049	.0668638	.5920451	246.0811

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5400114	.5374276	1.020902	252.1253	.5855234	.5391019
Stddev	.0019897	.0033214	.006180	.3766	.0107074	.0040113
%RSD	.3684588	.6180244	.6053016	.1493531	1.828692	.7440790
#1	.5386866	.5340935	1.014501	252.0862	.5731951	.5352254
#2	.5390483	.5374532	1.026834	251.7699	.5924987	.5432357
#3	.5422995	.5407362	1.021371	252.5199	.5908765	.5388445

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4828404	104.3455	.5395101	265.9030	1.013815	.1855274
Stddev	.0087113	.1041	.0021817	.5537	.005289	.0022728
%RSD	1.804167	.0997567	.4043803	.2082250	.5217239	1.225026
#1	.4898387	104.2257	.5411161	265.3098	1.009372	.1830172
#2	.4855986	104.3966	.5370263	265.9932	1.019666	.1861195
#3	.4730840	104.4141	.5403880	266.4060	1.012408	.1874456

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2228845	.5386450	.9192342	-.889082	-.000525	F -.014049
Stddev	.3607622	.0100527	.0309475	.131402	.001699	.003148
%RSD	161.8606	1.866284	3.366665	14.77956	323.4168	22.41131
#1	-.016889	.5387515	.8888639	-.916320	.001354	-.015261
#2	.047761	.5285395	.9507283	-1.00473	-.000977	-.016410
#3	.637781	.5486439	.9181104	-.74620	-.001954	-.010474

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: ICSAB007 Acquired: 12/18/2024 18:48:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB007 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019325	.0244957	-.003743	F .0136774	-.004713	.0033684
Stddev	.0009845	.0064703	.000404	.0006443	.003091	.0002448
%RSD	50.94365	26.41396	10.79145	4.710409	65.58955	7.266375
#1	.0030652	.0170323	-.004148	.0134404	-.001154	.0031007
#2	.0012829	.0285245	-.003340	.0144066	-.006725	.0035808
#3	.0014494	.0279302	-.003741	.0131852	-.006260	.0034236

Elem	Li6707
Units	ppm
Avg	.0038623
Stddev	.0015002
%RSD	38.84179
#1	.0048379
#2	.0021349
#3	.0046141

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2274.709	28386.87	2178.858	1975.263	1913.356
Stddev	5.783	337.02	3.362	23.663	9.082
%RSD	.2542193	1.187247	.1543191	1.197978	.4746699
#1	2281.385	28750.50	2175.283	1997.653	1923.229
#2	2271.507	28084.99	2181.956	1950.504	1905.357
#3	2271.236	28325.12	2179.335	1977.631	1911.483

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCV060 Acquired: 12/18/2024 18:57:14 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV060 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.651320	4.840178	25.02950	5.017847	5.031815	407.3270	10.22802
Stddev	.010768	.015190	.02470	.005436	.007080	1.1709	.04349
%RSD	.2315047	.3138382	.0986828	.1083368	.1407071	.2874637	.4252283
#1	4.658355	4.856772	25.02445	5.012504	5.038934	407.2548	10.21708
#2	4.656680	4.826959	25.00771	5.017667	5.024775	408.5324	10.27594
#3	4.638923	4.836803	25.05633	5.023371	5.031737	406.1939	10.19105

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5190938	2.524636	414.3465	15.48954	2.513490	15.33986	416.7957
Stddev	.0030420	.003968	.7340	.10365	.004675	.04976	1.7063
%RSD	.5860239	.1571647	.1771386	.6691763	.1859773	.3243928	.4093835
#1	.5224725	2.525970	414.2892	15.55014	2.514623	15.35797	416.8796
#2	.5182363	2.520173	415.1075	15.54862	2.508354	15.37804	418.4584
#3	.5165726	2.527764	413.6429	15.36986	2.517495	15.28358	415.0489

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.25732	411.3511	2.503050	1.278808	402.3669	2.554218	14.70495
Stddev	.05262	1.7303	.001767	.010589	2.9051	.004207	.05759
%RSD	.3448870	.4206402	.0705793	.8280412	.7220070	.1646950	.3916234
#1	15.27200	411.4715	2.504404	1.286985	401.1245	2.551845	14.69695
#2	15.30105	413.0180	2.501052	1.282594	405.6867	2.559075	14.76612
#3	15.19892	409.5637	2.503695	1.266847	400.2897	2.551734	14.65178

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	153.3243	5.034870	4.923125	4.870811	5.129056	4.841413	5.095133
Stddev	.5077	.010697	.021978	.006999	.020086	.019394	.009027
%RSD	.3311198	.2124570	.4464250	.1436842	.3916082	.4005793	.1771769
#1	153.1099	5.037635	4.943833	4.873797	5.140674	4.863772	5.090262
#2	153.9040	5.023062	4.925478	4.862815	5.105863	4.831318	5.089587
#3	152.9589	5.043913	4.900066	4.875821	5.140631	4.829149	5.105549

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCV060 Acquired: 12/18/2024 18:57:14 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV060 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.113651	4.849098	5.180093
Stddev	.016261	.025185	.014333
%RSD	.3179874	.5193778	.2766852
#1	5.116919	4.846755	5.171663
#2	5.128029	4.875373	5.196642
#3	5.096004	4.825166	5.171974

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2068.489	27043.27	2151.422	1782.431	1761.199
Stddev	8.561	173.90	4.562	5.901	7.122
%RSD	.4138766	.6430615	.2120496	.3310384	.4043622
#1	2070.014	27017.24	2149.082	1782.237	1763.961
#2	2076.186	26883.84	2148.505	1776.630	1766.527
#3	2059.269	27228.72	2156.680	1788.426	1753.111

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCB060 Acquired: 12/18/2024 19:00:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB060 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025807	.0006682	.0015297	.0011231	-.000296	-.001956
Stddev	.0033070	.0015942	.0034833	.0014052	.002402	.012649
%RSD	128.1414	238.5968	227.7185	125.1103	812.4958	646.6228
#1	.0018929	.0011755	-.000707	-.000222	-.001384	.010905
#2	-.000328	.0019470	.005543	.002581	-.001961	-.002392
#3	.006178	-.001118	-.000248	.001011	.002458	-.014382

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005147	-.000115	-.000075	.0167553	.0009607	-.000508
Stddev	.0016975	.000117	.000107	.0559380	.0010087	.000127
%RSD	329.8137	101.4830	143.0268	333.8528	104.9913	25.03288
#1	.0008878	-.000214	-.000045	.0484122	.0018351	-.000639
#2	-.001338	-.000146	.000014	-.047832	.0011899	-.000385
#3	.001995	.000014	-.000194	.049686	-.000143	-.000499

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002218	.0352352	.0031433	-.041556	-.000601	.0006042
Stddev	.008950	.0483764	.0010367	.064007	.000130	.0003680
%RSD	403.4696	137.2957	32.98031	154.0263	21.63235	60.89807
#1	-.006853	.0218925	.0020015	-.032994	-.000581	.0004298
#2	.008099	.0888825	.0034027	.017739	-.000483	.0003559
#3	-.007901	-.005070	.0040256	-.109414	-.000741	.0010270

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5189569	.0010130	.0195293	.1974361	-.002146	.0110999
Stddev	.1793744	.0108701	.0064186	.1393080	.004683	.0035134
%RSD	34.56441	1073.084	32.86622	70.55851	218.1905	31.65217
#1	.5854089	-.005688	.0266346	.3558095	.003261	.0114050
#2	.6556229	.013555	.0141507	.1426437	-.004923	.0144507
#3	.3158390	-.004828	.0178027	.0938550	-.004776	.0074439

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCB060 Acquired: 12/18/2024 19:00:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB060 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004506	.0026365	-.001348	.0015394	-.002409	.0003770
Stddev	.0005047	.0042203	.000511	.0007399	.001335	.0002006
%RSD	112.0202	160.0700	37.89065	48.06456	55.41059	53.22238
#1	.0002214	.0073656	-.001632	.0015930	-.003676	.0004430
#2	.0001011	-.000747	-.000759	.0007742	-.001015	.0005363
#3	.0010293	.001291	-.001654	.0022511	-.002537	.0001517

Elem	Li6707
Units	ppm
Avg	F .0184625
Stddev	.0033050
%RSD	17.90138
#1	.0192684
#2	.0148290
#3	.0212900

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2397.866	30021.78	2198.348	2072.874	2166.102
Stddev	7.690	93.96	2.926	11.203	7.613
%RSD	.3206966	.3129891	.1330952	.5404446	.3514763
#1	2397.159	29988.00	2197.842	2064.377	2166.083
#2	2405.885	29949.38	2195.708	2068.677	2173.725
#3	2390.554	30127.97	2201.494	2085.570	2158.498

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165494BL Acquired: 12/18/2024 19:04:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS494 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001926	-.001223	-.001295	.0020145	.0001653	.0111345	.0007951
Stddev	.002113	.001028	.000786	.0011081	.0010449	.0168293	.0016213
%RSD	109.7208	84.09341	60.70533	55.00586	632.0392	151.1457	203.9045
#1	-.000713	-.002024	-.001191	.0027833	-.000849	-.004922	-.000787
#2	-.004366	-.000063	-.000566	.0007443	.001238	.009682	.000720
#3	-.000699	-.001580	-.002129	.0025158	.000107	.028643	.002453

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000219	-.000056	-.022654	.0005368	-.000504	-.001725	.0020865
Stddev	.000112	.000142	.026094	.0011335	.000334	.001494	.0257164
%RSD	51.05107	252.0575	115.1847	211.1709	66.36346	86.60084	1232.482
#1	-.000315	.000106	-.008945	.0006378	-.000854	-.002285	-.018927
#2	-.000096	-.000116	-.052745	.0016163	-.000470	-.002859	.030763
#3	-.000248	-.000160	-.006272	-.000644	-.000188	-.000032	-.005576

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009962	-.080508	-.000036	.0006938	.8102140	-.003329	.0059061
Stddev	.0007439	.028713	.000674	.0005592	.3558459	.007197	.0054546
%RSD	74.66836	35.66520	1877.963	80.60154	43.91999	216.1778	92.35584
#1	.0003439	-.109611	-.000070	.0006534	1.107963	.002128	.0063096
#2	.0018063	-.079714	.000655	.0001559	.416114	-.000629	.0002609
#3	.0008385	-.052200	-.000692	.0012722	.906565	-.011485	.0111478

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0673749	-.000149	.0016487	-.000345	.0014830	-.001649	.0000904
Stddev	.1017774	.000982	.0017130	.000185	.0020424	.000874	.0007414
%RSD	151.0613	659.5897	103.9040	53.62880	137.7249	53.00854	820.0572
#1	-.048532	.000966	.0032695	-.000141	.0037251	-.000795	-.000592
#2	.108510	-.000889	-.000144	-.000503	-.000271	-.001610	.000879
#3	.142146	-.000523	.001820	-.000390	.000995	-.002543	-.000017

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165494BL Acquired: 12/18/2024 19:04:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS494 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.003720	.0001426	.0092163
Stddev	.002340	.0002627	.0038149
%RSD	62.91069	184.2682	41.39353
#1	-.006091	-.000137	.0104311
#2	-.003657	.000181	.0122759
#3	-.001412	.000384	.0049419

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2387.143	30075.02	2203.033	2060.484	2156.978
Stddev	7.314	164.38	9.666	8.432	4.997
%RSD	.3063730	.5465696	.4387641	.4092187	.2316882
#1	2380.178	30234.34	2212.941	2068.249	2151.319
#2	2386.489	29906.01	2193.628	2051.515	2160.785
#3	2394.762	30084.72	2202.528	2061.687	2158.829

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165494BS Acquired: 12/18/2024 19:08:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS494 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0180494	.0508902	.0198012	.0654574	.1097877	.4104188
Stddev	.0029944	.0016505	.0011922	.0036298	.0010464	.0135131
%RSD	16.58991	3.243232	6.020792	5.545280	.9531375	3.292513
#1	.0171243	.0505313	.0184445	.0617597	.1102055	.4065027
#2	.0156268	.0526906	.0206814	.0655972	.1085969	.3992962
#3	.0213972	.0494486	.0202778	.0690153	.1105607	.4254574

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4111518	.0104817	.0096401	10.10676	.0207866	.1017526
Stddev	.0014152	.0001743	.0000751	.05215	.0010303	.0004345
%RSD	.3441941	1.662631	.7788553	.5160129	4.956543	.4269892
#1	.4095278	.0106386	.0095914	10.05766	.0218860	.1012785
#2	.4118067	.0105123	.0097265	10.16150	.0206308	.1018475
#3	.4121209	.0102941	.0096022	10.10113	.0198431	.1021317

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0520681	.2335581	.0334264	10.52147	.0772379	.0187355
Stddev	.0088261	.0328777	.0020814	.12619	.0011622	.0005721
%RSD	16.95108	14.07690	6.226872	1.199372	1.504655	3.053540
#1	.0419692	.1979381	.0311383	10.40873	.0772457	.0192359
#2	.0559306	.2399945	.0352075	10.65779	.0783961	.0188588
#3	.0583045	.2627417	.0339335	10.49790	.0760718	.0181118

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.73790	.1098636	.1199104	9.759797	.0166461	F -.002138
Stddev	.42846	.0079748	.0066783	.070297	.0011070	.000680
%RSD	3.990135	7.258826	5.569444	.7202668	6.650230	31.80256
#1	10.25963	.1042052	.1213548	9.701760	.0154023	-.002914
#2	10.86740	.1189844	.1257482	9.739667	.0175234	-.001854
#3	11.08667	.1064012	.1126280	9.837962	.0170125	-.001646

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165494BS Acquired: 12/18/2024 19:08:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS494 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0193276	.1793465	F .4852506	.0131381	.1982912	.2113602
Stddev	.0001368	.0030323	.0033453	.0009086	.0035571	.0007482
%RSD	.7076836	1.690770	.6893926	6.915976	1.793890	.3540018
#1	.0193888	.1823059	.4874128	.0130999	.1979929	.2106675
#2	.0194230	.1762461	.4869416	.0140653	.2019882	.2121537
#3	.0191709	.1794875	.4813974	.0122492	.1948927	.2112593

Elem	Li6707
Units	ppm
Avg	.0385621
Stddev	.0039920
%RSD	10.35226
#1	.0420281
#2	.0341973
#3	.0394609

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2412.778	30746.37	2206.432	2123.528	2169.466
Stddev	10.249	1078.62	6.839	67.265	9.562
%RSD	.4247946	3.508114	.3099465	3.167616	.4407343
#1	2418.935	30125.80	2206.420	2079.132	2171.811
#2	2400.946	30121.46	2199.599	2090.532	2158.950
#3	2418.452	31991.85	2213.277	2200.920	2177.637

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165505BL Acquired: 12/18/2024 19:12:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS505 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003706	.0018869	.0007419	.0010778	.0002804	.0025253	-.000433
Stddev	.003692	.0017045	.0008247	.0020972	.0015483	.0062809	.000710
%RSD	99.61206	90.33667	111.1666	194.5787	552.1398	248.7198	164.0450
#1	-.003474	.0034379	.0009764	-.001339	.0015069	.0062979	-.001248
#2	-.007509	.0000620	.0014239	.002152	.0007937	.0060033	-.000098
#3	-.000136	.0021607	-.000175	.002421	-.001459	-.004725	.000048

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000129	-.000022	-.005395	.0011314	-.000069	.0013983	.0184761
Stddev	.000082	.000052	.010177	.0004836	.000337	.0105850	.0520622
%RSD	63.54450	237.3286	188.6329	42.74445	491.5698	756.9881	281.7817
#1	-.000124	-.000037	-.005123	.0007035	.000127	-.009743	.0672969
#2	-.000050	.000036	.004643	.0010347	.000125	.011321	.0244446
#3	-.000214	-.000064	-.015705	.0016561	-.000458	.002617	-.036313

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017125	.0395654	-.000029	.0002660	1.315357	-.001363	.0036160
Stddev	.0012224	.0703762	.000484	.0011926	1.038697	.003516	.0059125
%RSD	71.38311	177.8733	1666.198	448.4062	78.96694	257.9624	163.5125
#1	.0024039	-.024039	-.000123	-.000001	.119294	.001496	-.002264
#2	.0024324	.027564	.000495	.001569	1.990631	-.000296	.003552
#3	.0003010	.115170	-.000459	-.000771	1.836146	-.005289	.009560

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2756620	.0005469	-.005731	.0001051	.0026068	-.002442	-.000796
Stddev	.2591078	.0021618	.001126	.0001393	.0014713	.000713	.001124
%RSD	93.99475	395.2604	19.65523	132.5808	56.44331	29.21941	141.1544
#1	.1141249	-.001648	-.004567	-.000050	.0009625	-.001650	.000324
#2	.1383338	.002674	-.006815	.000146	.0030585	-.002641	-.001924
#3	.5745274	.000614	-.005812	.000219	.0037993	-.003034	-.000789

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165505BL Acquired: 12/18/2024 19:12:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS505 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.003799	-.000258	.0050199
Stddev	.004016	.000326	.0033759
%RSD	105.7009	126.3618	67.25057
#1	-.004213	-.000610	.0013525
#2	-.007592	-.000199	.0079978
#3	.000407	.000034	.0057092

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2413.311	30676.06	2199.797	2115.102	2170.544
Stddev	6.458	510.82	7.600	36.765	7.068
%RSD	.2676166	1.665193	.3454997	1.738229	.3256416
#1	2412.667	30367.69	2206.032	2097.287	2169.012
#2	2420.067	30394.81	2202.027	2090.638	2178.253
#3	2407.199	31265.70	2191.331	2157.381	2164.368

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165505BS Acquired: 12/18/2024 19:17:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS505 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0252573	.0516921	.0196338	.0643016	.1114844	.4306769
Stddev	.0088347	.0002545	.0032575	.0017498	.0027740	.0259314
%RSD	34.97876	.4924215	16.59139	2.721193	2.488237	6.021081
#1	.0341311	.0514050	.0210998	.0662599	.1124990	.4011271
#2	.0164622	.0518903	.0219008	.0637534	.1136083	.4496405
#3	.0251787	.0517809	.0159009	.0628916	.1083460	.4412630

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4182836	.0104683	.0098791	10.38756	.0213755	.1034964
Stddev	.0012647	.0000712	.0000633	.06790	.0004442	.0005616
%RSD	.3023458	.6801356	.6403512	.6537054	2.078149	.5426418
#1	.4196103	.0103970	.0099432	10.45845	.0210983	.1038927
#2	.4170918	.0104686	.0098167	10.32310	.0218878	.1037428
#3	.4181486	.0105394	.0098776	10.38114	.0211402	.1028537

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0513962	.1962408	.0341366	10.67913	.0788759	.0195883
Stddev	.0023012	.0302962	.0014189	.12135	.0008986	.0004737
%RSD	4.477352	15.43828	4.156526	1.136338	1.139281	2.418090
#1	.0535653	.2039636	.0351969	10.81676	.0792860	.0193716
#2	.0516409	.2219281	.0325248	10.63312	.0794964	.0192618
#3	.0489825	.1628306	.0346882	10.58751	.0778454	.0201316

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.87019	.1074199	.1198731	10.11232	.0163996	F -.003676
Stddev	.32977	.0081954	.0083652	.08308	.0004224	.003712
%RSD	3.033691	7.629331	6.978369	.8215851	2.575679	100.9650
#1	11.11255	.1074008	.1131329	10.08117	.0168847	-.001511
#2	10.49466	.0992341	.1172512	10.20648	.0162002	-.007963
#3	11.00335	.1156249	.1292352	10.04933	.0161137	-.001556

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165505BS Acquired: 12/18/2024 19:17:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS505 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0195604	.1824861	F .4895646	.0138845	.2034515	.2150687
Stddev	.0005769	.0045179	.0036508	.0005191	.0027604	.0009051
%RSD	2.949231	2.475739	.7457222	3.738849	1.356812	.4208217
#1	.0192711	.1845184	.4909624	.0137187	.2064099	.2161038
#2	.0191854	.1773090	.4854214	.0144663	.2030000	.2144262
#3	.0202247	.1856309	.4923099	.0134686	.2009446	.2146761

Elem	Li6707
Units	ppm
Avg	.0377874
Stddev	.0025626
%RSD	6.781655
#1	.0367782
#2	.0358831
#3	.0407010

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2422.708	30405.62	2252.429	2094.194	2175.682
Stddev	.988	341.64	17.906	18.850	2.491
%RSD	.0407977	1.123604	.7949749	.9001141	.1144765
#1	2423.223	30742.65	2236.622	2111.055	2172.921
#2	2423.332	30059.55	2271.875	2073.843	2176.369
#3	2421.568	30414.68	2248.789	2097.685	2177.758

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165490BL Acquired: 12/18/2024 19:20:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS490 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003651	-.000851	-.002893	.0024115	-.001169	.0440486	.0006110
Stddev	.004712	.001662	.000917	.0035402	.001291	.0197531	.0009231
%RSD	129.0623	195.2113	31.70560	146.8017	110.4738	44.84385	151.0846
#1	.000553	-.001348	-.002864	-.000955	.000136	.0606820	.0013485
#2	-.002762	-.002208	-.001990	.002086	-.002446	.0222159	.0009087
#3	-.008744	.001002	-.003824	.006103	-.001197	.0492478	-.000424

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000059	-.000107	-.013350	-.000128	-.000272	-.004716	.0056880
Stddev	.000126	.000106	.020754	.000583	.000343	.006632	.0442212
%RSD	213.5083	99.79807	155.4611	454.8353	126.1765	140.6371	777.4503
#1	-.000182	-.000225	-.037211	-.000779	-.000287	-.002641	-.040939
#2	-.000065	-.000076	.000509	.000044	.000079	.000631	.047029
#3	.000070	-.000019	-.003348	.000349	-.000607	-.012137	.010974

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048893	-.036835	-.000151	.0001666	.8691541	-.001189	.0100144
Stddev	.0004716	.057171	.000462	.0003722	.2961632	.004489	.0059982
%RSD	9.645133	155.2084	306.9272	223.4177	34.07488	377.6286	59.89574
#1	.0047316	-.002108	-.000137	-.000043	.5278185	-.002994	.0137516
#2	.0045169	-.005577	-.000619	-.000054	1.057992	-.004494	.0030957
#3	.0054196	-.102821	.000305	.000596	1.021652	.003922	.0131958

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0874579	.0000669	-.004210	.0001516	.0062315	-.002765	-.001177
Stddev	.0439470	.0028071	.000726	.0004384	.0026156	.000605	.000176
%RSD	50.24939	4195.503	17.23557	289.1047	41.97406	21.86835	14.97394
#1	.1122237	.0030972	-.005033	.0005351	.0049740	-.002124	-.001007
#2	.1134329	-.002445	-.003933	-.000326	.0044821	-.003325	-.001359
#3	.0367170	-.000452	-.003664	.000246	.0092383	-.002846	-.001164

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165490BL Acquired: 12/18/2024 19:20:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS490 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.002018	-.000007	.0065505
Stddev	.003247	.000129	.0019380
%RSD	160.8877	1730.324	29.58482
#1	-.005259	.000086	.0044769
#2	-.002028	.000047	.0083158
#3	.001234	-.000155	.0068589

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2418.470	30283.86	2211.720	2086.550	2179.260
Stddev	13.094	112.93	8.653	2.558	9.348
%RSD	.5414040	.3729137	.3912346	.1226060	.4289730
#1	2430.530	30177.07	2220.445	2083.618	2187.242
#2	2420.338	30272.44	2211.573	2088.331	2181.564
#3	2404.543	30402.06	2203.141	2087.699	2168.976

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165490BS Acquired: 12/18/2024 19:25:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS490 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0193128	.0510027	.0176435	.0631762	.1122469	.4168431
Stddev	.0024305	.0024148	.0010008	.0016381	.0023109	.0106193
%RSD	12.58469	4.734575	5.672497	2.592830	2.058802	2.547559
#1	.0211464	.0497739	.0171435	.0633498	.1113926	.4182388
#2	.0165560	.0537847	.0169912	.0614583	.1104847	.4266955
#3	.0202360	.0494494	.0187958	.0647206	.1148633	.4055949

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4221562	.0108296	.0098742	10.39819	.0212173	.1034646
Stddev	.0012606	.0001764	.0001702	.03690	.0002126	.0003185
%RSD	.2986125	1.628669	1.723708	.3548465	1.002056	.3077928
#1	.4235255	.0106317	.0100528	10.41923	.0212327	.1036939
#2	.4210439	.0109701	.0097138	10.35559	.0214218	.1035989
#3	.4218991	.0108871	.0098559	10.41976	.0209974	.1031010

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0538908	.1914589	.0340152	10.78463	.0787748	.0191909
Stddev	.0013953	.0384307	.0010027	.16257	.0003157	.0009542
%RSD	2.589022	20.07255	2.947745	1.507419	.4007793	4.972333
#1	.0530879	.2316097	.0329018	10.78834	.0790205	.0200908
#2	.0530827	.1877497	.0342971	10.62023	.0788852	.0192916
#3	.0555019	.1550173	.0348468	10.94531	.0784187	.0181903

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.39191	.1082531	.1303196	10.20238	.0181800	F -.002159
Stddev	.59658	.0151903	.0097879	.15974	.0029189	.001377
%RSD	5.236890	14.03215	7.510653	1.565694	16.05554	63.77151
#1	10.80753	.1039136	.1204208	10.07202	.0195191	-.001435
#2	11.99998	.0957049	.1305454	10.15456	.0201891	-.001294
#3	11.36821	.1251409	.1399926	10.38057	.0148318	-.003746

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165490BS Acquired: 12/18/2024 19:25:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS490 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0198173	.1873266	F .4958701	.0139792	.2055271	.2169201
Stddev	.0004454	.0022286	.0066170	.0002553	.0016095	.0008052
%RSD	2.247398	1.189673	1.334425	1.826103	.7831272	.3711808
#1	.0193045	.1856043	.5025511	.0139692	.2070426	.2165105
#2	.0201077	.1898436	.4957402	.0142393	.2057011	.2164020
#3	.0200397	.1865319	.4893190	.0137291	.2038377	.2178477

Elem	Li6707
Units	ppm
Avg	F .0421544
Stddev	.0032937
%RSD	7.813304
#1	.0427770
#2	.0450922
#3	.0385938

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2391.678	30044.97	2197.787	2065.018	2153.244
Stddev	8.180	20.61	16.896	5.241	5.575
%RSD	.3420349	.0686088	.7687644	.2538142	.2589199
#1	2388.637	30028.82	2180.580	2070.965	2148.455
#2	2400.944	30037.90	2198.429	2063.021	2159.364
#3	2385.454	30068.19	2214.353	2061.069	2151.912

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165505BS Acquired: 12/18/2024 19:28:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS505 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0185250	.0497775	.0186734	.0653515	.1092956	.4171607
Stddev	.0028508	.0014717	.0010323	.0024664	.0026663	.0263619
%RSD	15.38882	2.956475	5.528270	3.774071	2.439554	6.319367
#1	.0157560	.0504984	.0197181	.0634074	.1062299	.3870076
#2	.0214510	.0480844	.0176539	.0681259	.1105831	.4286256
#3	.0183681	.0507498	.0186481	.0645213	.1110739	.4358489

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4136086	.0105442	.0097497	10.16669	.0213666	.1018466
Stddev	.0009491	.0000493	.0001766	.03549	.0007981	.0008180
%RSD	.2294554	.4674012	1.810935	.3490866	3.735044	.8031522
#1	.4125197	.0105887	.0095514	10.12919	.0222522	.1009026
#2	.4140460	.0105525	.0098078	10.17113	.0207032	.1023457
#3	.4142601	.0104912	.0098899	10.19975	.0211443	.1022915

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0456788	.1978526	.0338922	10.52049	.0776171	.0190363
Stddev	.0105547	.0083118	.0017024	.07684	.0006220	.0001324
%RSD	23.10638	4.201012	5.023021	.7303676	.8013825	.6956510
#1	.0416725	.1945854	.0327320	10.44049	.0769038	.0189652
#2	.0377138	.2073016	.0358466	10.52726	.0780466	.0189546
#3	.0576501	.1916709	.0330980	10.59372	.0779010	.0191891

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.11697	.1075088	.1164548	10.11771	.0185222	F -.005628
Stddev	.38084	.0049282	.0017259	.11525	.0012386	.002248
%RSD	3.425712	4.584037	1.482059	1.139073	6.686953	39.94783
#1	10.86916	.1131918	.1167366	9.98467	.0172057	-.007775
#2	11.55548	.1049235	.1146053	10.18710	.0196644	-.003291
#3	10.92627	.1044112	.1180225	10.18134	.0186963	-.005818

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165505BS Acquired: 12/18/2024 19:28:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS505 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0195458	.1809851	F .4873170	.0128545	.2021165	.2130399
Stddev	.0005770	.0081093	.0018750	.0017119	.0024194	.0011104
%RSD	2.952084	4.480631	.3847554	13.31776	1.197035	.5212358
#1	.0198973	.1750448	.4894235	.0128600	.2000130	.2119352
#2	.0198602	.1902238	.4858306	.0145638	.2047604	.2141560
#3	.0188799	.1776866	.4866970	.0111399	.2015762	.2130285

Elem	Li6707
Units	ppm
Avg	F .0407513
Stddev	.0055660
%RSD	13.65838
#1	.0370966
#2	.0471571
#3	.0380002

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2407.514	30320.15	2203.541	2078.392	2165.233
Stddev	17.629	205.04	8.473	14.752	13.734
%RSD	.7322611	.6762369	.3844970	.7097767	.6342746
#1	2427.849	30165.34	2197.383	2062.202	2180.890
#2	2396.530	30552.69	2200.037	2091.073	2155.222
#3	2398.164	30242.43	2213.203	2081.902	2159.589

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-01 Acquired: 12/18/2024 19:32:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL80 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1042840	-.044130	.3346667	.0706365	.0224262	55.06938	.5837655
Stddev	.0050820	.001258	.0039806	.0025413	.0014596	.27299	.0033619
%RSD	4.873220	2.850990	1.189436	3.597695	6.508479	.4957202	.5758932
#1	.1051203	-.044376	.3326181	.0735104	.0207418	54.91647	.5802943
#2	.0988357	-.042767	.3392544	.0697130	.0233174	54.90711	.5839961
#3	.1088959	-.045247	.3321276	.0686861	.0232195	55.38455	.5870061

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0067751	.0050693	107.8042	.0753469	.1138870	.2597652	160.6033
Stddev	.0000263	.0001653	.3502	.0012665	.0017321	.0059175	.5890
%RSD	.3886785	3.260720	.3248379	1.680844	1.520867	2.277998	.3667377
#1	.0067782	.0050162	107.6543	.0757375	.1119347	.2594210	160.1870
#2	.0067474	.0052546	107.5539	.0763721	.1152391	.2658472	160.3458
#3	.0067998	.0049371	108.2044	.0739312	.1144874	.2540273	161.2772

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.947291	44.10604	.1415067	.0059118	.8850122	.1517000	.5715793
Stddev	.053944	.21491	.0032167	.0003807	.1089396	.0048634	.0141025
%RSD	.5422988	.4872665	2.273182	6.439675	12.30939	3.205913	2.467290
#1	9.923664	44.18039	.1379563	.0063434	.7803156	.1503145	.5630987
#2	9.909191	43.86382	.1442269	.0057679	.9977493	.1476797	.5878587
#3	10.00902	44.27391	.1423371	.0056240	.8769716	.1571058	.5637805

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.342148	4.945323	.0044700	.0039841	1.531554	7.642367	.0301000
Stddev	.063143	.098781	.0044800	.0002668	.032179	.062169	.0023326
%RSD	1.889306	1.997462	100.2233	6.697194	2.101079	.8134795	7.749338
#1	3.415002	4.838804	-.000682	.0040839	1.496338	7.685895	.0326955
#2	3.303211	5.033909	.006641	.0036817	1.559427	7.571166	.0281792
#3	3.308231	4.963257	.007451	.0041865	1.538898	7.670039	.0294251

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-01 Acquired: 12/18/2024 19:32:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL80 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7004340	-.045430	.0738166
Stddev	.0058665	.000582	.0049817
%RSD	.8375527	1.281584	6.748738
#1	.6974373	-.044817	.0693156
#2	.6966711	-.045976	.0729648
#3	.7071936	-.045497	.0791692

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3166.067	39250.89	2929.802	2702.443	2132.954
Stddev	34.529	155.98	20.564	15.838	36.984
%RSD	1.090592	.3974024	.7018947	.5860674	1.733938
#1	3204.858	39204.13	2926.069	2701.124	2173.975
#2	3138.692	39123.63	2951.976	2687.305	2102.158
#3	3154.650	39424.90	2911.359	2718.899	2122.730

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-02 Acquired: 12/18/2024 19:36:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL81 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0680785	-.019438	.2023376	.0434793	.0119104	45.40667
Stddev	.0032595	.004133	.0044051	.0032478	.0009147	.13337
%RSD	4.787894	21.26403	2.177111	7.469744	7.679426	.2937126
#1	.0717861	-.024026	.1973812	.0461818	.0128675	45.49025
#2	.0667860	-.018281	.2038257	.0443799	.0118186	45.47690
#3	.0656634	-.016007	.2058060	.0398763	.0110451	45.25287

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4154979	.0051896	.0046211	401.6150	.0685241	.1179535
Stddev	.0021942	.0000272	.0000992	.6307	.0007340	.0019305
%RSD	.5280952	.5243997	2.146786	.1570351	1.071108	1.636693
#1	.4158296	.0051741	.0045312	401.8664	.0690103	.1157329
#2	.4175074	.0051737	.0046047	402.0811	.0688823	.1192337
#3	.4131568	.0052210	.0047275	400.8974	.0676799	.1188938

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2562286	126.6235	8.788937	103.6967	.1423408	.0044023
Stddev	.0073621	.3666	.036083	.2951	.0024371	.0006026
%RSD	2.873255	.2895474	.4105490	.2845327	1.712183	13.68854
#1	.2567392	126.6388	8.780215	103.6563	.1395364	.0037192
#2	.2633221	126.9822	8.828582	104.0099	.1435406	.0046290
#3	.2486245	126.2495	8.758015	103.4239	.1439454	.0048586

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.535351	.1224127	.4618679	3.002119	F 27.01100	.0193997
Stddev	.440049	.0032211	.0145856	.044726	.39431	.0005497
%RSD	28.66115	2.631307	3.157956	1.489827	1.459828	2.833309
#1	1.538420	.1250642	.4772908	3.045243	26.55849	.0187719
#2	1.093775	.1233457	.4482964	2.955947	27.28092	.0196332
#3	1.973858	.1188281	.4600165	3.005168	27.19360	.0197941

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-02 Acquired: 12/18/2024 19:36:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL81 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015238	1.780386	6.825971	.0308719	.6135188	.3343909
Stddev	.0006480	.028942	.040608	.0011016	.0052644	.0016374
%RSD	42.52285	1.625618	.5949007	3.568332	.8580593	.4896619
#1	.0022100	1.747310	6.811037	.0305030	.6129488	.3342521
#2	.0009225	1.801064	6.871931	.0300021	.6190450	.3360932
#3	.0014387	1.792785	6.794944	.0321107	.6085627	.3328273

Elem	Li6707
Units	ppm
Avg	.0873158
Stddev	.0010725
%RSD	1.228307
#1	.0879678
#2	.0860780
#3	.0879016

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3360.355	42219.54	3234.843	2903.621	1970.440
Stddev	28.101	117.28	16.132	16.233	24.589
%RSD	.8362655	.2777899	.4986976	.5590435	1.247900
#1	3392.456	42089.66	3237.767	2901.321	1998.438
#2	3340.202	42317.69	3217.449	2920.881	1952.353
#3	3348.406	42251.27	3249.313	2888.661	1960.530

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-03 Acquired: 12/18/2024 19:40:38 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL82 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0643531	-.017098	.1921208	.0339103	.0080891	44.15452
Stddev	.0017974	.002651	.0040499	.0053948	.0020301	.02081
%RSD	2.793100	15.50727	2.107980	15.90915	25.09633	.0471324
#1	.0664184	-.014767	.1893337	.0295140	.0098634	44.14042
#2	.0634979	-.019982	.1967663	.0322863	.0058753	44.14471
#3	.0631429	-.016544	.1902624	.0399306	.0085286	44.17842

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3265457	.0048321	.0033015	F 953.7393	.0635383	.1230174
Stddev	.0012288	.0000929	.0001290	1.0755	.0004909	.0002433
%RSD	.3762919	1.922529	3.908565	.1127653	.7725243	.1978107
#1	.3275583	.0047772	.0031631	954.5202	.0633363	.1231415
#2	.3251787	.0047797	.0034185	954.1850	.0631807	.1231736
#3	.3269002	.0049393	.0033228	952.5126	.0640979	.1227370

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2758810	134.1229	8.792580	245.8352	.1358132	.0042830
Stddev	.0014228	.2007	.024376	.4313	.0010415	.0015552
%RSD	.5157304	.1496621	.2772313	.1754627	.7668242	36.31051
#1	.2767665	133.9753	8.801608	245.6984	.1361473	.0051516
#2	.2766366	134.3515	8.764978	245.4889	.1346457	.0052099
#3	.2742398	134.0418	8.811154	246.3184	.1366465	.0024876

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.538881	.1282566	.6036737	4.730587	F 10.40658	.0251414
Stddev	.452013	.0032114	.0104173	.152578	.00449	.0031602
%RSD	17.80364	2.503888	1.725657	3.225345	.0431089	12.56991
#1	2.081589	.1316530	.6110537	4.807008	10.40845	.0220585
#2	2.985424	.1278474	.5917574	4.554900	10.40984	.0283737
#3	2.549631	.1252694	.6082101	4.829854	10.40147	.0249919

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-03 Acquired: 12/18/2024 19:40:38 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL82 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011552	1.333265	6.542108	.0330995	.8825410	.7467553
Stddev	.0002037	.018488	.016730	.0008067	.0032919	.0024077
%RSD	17.63433	1.386635	.2557344	2.437049	.3730008	.3224164
#1	.0012525	1.312206	6.553812	.0324905	.8847256	.7451647
#2	.0009211	1.346825	6.549567	.0327937	.8841425	.7455760
#3	.0012921	1.340763	6.522945	.0340143	.8787548	.7495253

Elem	Li6707
Units	ppm
Avg	.1062732
Stddev	.0021332
%RSD	2.007294
#1	.1086091
#2	.1057821
#3	.1044283

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2731.810	34339.38	2684.691	2350.441	1827.395
Stddev	2.235	188.74	14.030	19.670	4.473
%RSD	.0818034	.5496320	.5225945	.8368626	.2447799
#1	2730.574	34191.02	2669.171	2342.377	1826.474
#2	2734.390	34551.82	2688.424	2372.861	1832.257
#3	2730.467	34275.32	2696.476	2336.084	1823.454

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-04 Acquired: 12/18/2024 19:44:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL82D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0517895	-.017204	.1949377	.0283978	.0098498	44.97195
Stddev	.0021693	.001368	.0026950	.0024442	.0012478	.14407
%RSD	4.188644	7.951967	1.382489	8.607026	12.66791	.3203546
#1	.0520195	-.016666	.1918521	.0308660	.0085504	45.10536
#2	.0495143	-.016186	.1961310	.0283493	.0110385	44.81918
#3	.0538346	-.018759	.1968301	.0259783	.0099604	44.99131

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3310251	.0049657	.0033034	F 962.3780	.0643444	.1232910
Stddev	.0015841	.0001029	.0000824	2.2334	.0009548	.0019842
%RSD	.4785457	2.073103	2.494357	.2320751	1.483867	1.609352
#1	.3323312	.0050415	.0033534	964.2845	.0650649	.1210385
#2	.3292630	.0050070	.0033484	959.9207	.0632615	.1240538
#3	.3314811	.0048485	.0032083	962.9288	.0647069	.1247805

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2786898	136.1390	8.925413	249.9906	.1373635	.0037371
Stddev	.0059843	.4812	.042514	1.0540	.0018175	.0006336
%RSD	2.147292	.3534975	.4763220	.4216193	1.323160	16.95535
#1	.2766751	136.6541	8.970389	251.1434	.1388140	.0044508
#2	.2739728	135.7009	8.885887	249.0762	.1379517	.0035197
#3	.2854214	136.0621	8.919964	249.7524	.1353246	.0032408

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.451792	.1319652	.5965594	4.975520	F 10.43724	.0368113
Stddev	.577376	.0049070	.0116147	.088334	.00458	.0026915
%RSD	39.76992	3.718364	1.946948	1.775378	.0438808	7.311626
#1	.847286	.1351726	.5902979	5.023571	10.43541	.0396803
#2	1.510544	.1263164	.6099612	4.873576	10.43386	.0343420
#3	1.997546	.1344065	.5894189	5.029413	10.44245	.0364116

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-04 Acquired: 12/18/2024 19:44:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL82D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016764	1.344872	6.740331	.0340535	.9008447	.7583439
Stddev	.0005259	.006658	.079636	.0009766	.0057679	.0029001
%RSD	31.37120	.4950512	1.181491	2.867825	.6402722	.3824314
#1	.0010864	1.349925	6.832114	.0330569	.9050320	.7612881
#2	.0020960	1.347363	6.689552	.0340950	.9032364	.7554899
#3	.0018468	1.337328	6.699328	.0350088	.8942657	.7582537

Elem	Li6707
Units	ppm
Avg	.1052662
Stddev	.0028035
%RSD	2.663269
#1	.1068413
#2	.1020294
#3	.1069280

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2691.627	33977.79	2628.891	2317.749	1804.025
Stddev	9.670	173.00	13.740	17.171	5.443
%RSD	.3592762	.5091569	.5226586	.7408312	.3017300
#1	2702.785	34177.54	2615.872	2337.075	1810.274
#2	2685.674	33879.81	2643.254	2311.920	1801.484
#3	2686.423	33876.02	2627.547	2304.252	1800.316

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-03LX5 Acquired: 12/18/2024 19:48:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL82L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092577	.0154292	.0493210	-.009870	-.011160	10.73207	.0787561
Stddev	.0037570	.0012173	.0039070	.002313	.001680	.28773	.0029726
%RSD	40.58205	7.889323	7.921592	23.43965	15.05744	2.681007	3.774505
#1	.0095713	.0157209	.0452395	-.009878	-.013026	10.56770	.0778810
#2	.0128480	.0164741	.0496972	-.007552	-.009765	11.06431	.0820681
#3	.0053538	.0140926	.0530263	-.012179	-.010690	10.56421	.0763193

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012483	.0005091	233.3756	.0172813	.0553398	.0634222	33.58552
Stddev	.0000075	.0001395	6.4729	.0009051	.0005968	.0101600	.81439
%RSD	.5974945	27.40561	2.773598	5.237680	1.078443	16.01957	2.424838
#1	.0012546	.0006335	229.5530	.0173501	.0549802	.0725083	33.12608
#2	.0012401	.0005357	240.8492	.0163437	.0560287	.0653062	34.52582
#3	.0012502	.0003582	229.7245	.0181500	.0550104	.0524521	33.10465

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.216764	61.51090	.0246278	.0002636	.9902487	.0327953	.1691270
Stddev	.053525	1.61200	.0007520	.0002015	.4941867	.0105502	.0078546
%RSD	2.414533	2.620669	3.053612	76.42499	49.90531	32.16969	4.644229
#1	2.185473	60.51707	.0246047	.0001886	.4687518	.0431076	.1735005
#2	2.278568	63.37081	.0253912	.0001104	1.451624	.0332560	.1738215
#3	2.186253	60.64481	.0238876	.0004919	1.050370	.0220224	.1600592

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.183651	2.026053	.0052661	.0013818	.2861118	1.747205	.0092419
Stddev	.186341	.001265	.0026730	.0005340	.0030399	.036871	.0007518
%RSD	15.74287	.0624237	50.75898	38.64149	1.062470	2.110288	8.134780
#1	.988145	2.025319	.0038076	.0019906	.2839556	1.726866	.0088812
#2	1.359224	2.025326	.0036395	.0009930	.2847913	1.789766	.0101061
#3	1.203583	2.027513	.0083510	.0011619	.2895886	1.724983	.0087385

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-03LX5 Acquired: 12/18/2024 19:48:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL82L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2182670	.1811018	.0299667
Stddev	.0110248	.0032183	.0014010
%RSD	5.051041	1.777085	4.675301
#1	.2173428	.1789842	.0283566
#2	.2297247	.1848053	.0306352
#3	.2077334	.1795160	.0309081

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2433.107	30683.32	2267.058	2103.458	2005.216
Stddev	5.094	125.73	50.811	5.173	3.568
%RSD	.2093512	.4097813	2.241295	.2459087	.1779438
#1	2436.570	30648.64	2286.022	2101.848	2008.129
#2	2435.492	30578.56	2209.492	2099.282	2006.283
#3	2427.258	30822.75	2305.659	2109.244	2001.236

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-05 Acquired: 12/18/2024 19:52:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL82S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1380165	.0699524	.2302688	.1784599	.1586303	47.70058
Stddev	.0023133	.0002918	.0027408	.0054575	.0020338	.11963
%RSD	1.676084	.4171235	1.190237	3.058127	1.282068	.2507911
#1	.1402342	.0698615	.2334302	.1775846	.1595064	47.72604
#2	.1381970	.0702789	.2285625	.1843023	.1600792	47.80544
#3	.1356182	.0697170	.2288137	.1734930	.1563053	47.57028

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.631844	.0877246	.1001627	F 954.0530	.3921226	1.083930
Stddev	.007779	.0004958	.0001283	.6920	.0035452	.001749
%RSD	.2141909	.5652132	.1281295	.0725288	.9041143	.1613480
#1	3.636909	.0882947	.1002986	954.8324	.3932079	1.085143
#2	3.635737	.0873938	.1000436	953.5109	.3949983	1.081925
#3	3.622887	.0874853	.1001459	953.8157	.3881616	1.084722

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6575152	135.9462	9.605509	246.2914	1.108043	.0661394
Stddev	.0043687	.0376	.023006	.6438	.000480	.0008307
%RSD	.6644214	.0276807	.2395033	.2613878	.0433069	1.255946
#1	.6535595	135.9045	9.616395	246.6239	1.107820	.0656499
#2	.6567820	135.9567	9.621052	246.7009	1.108593	.0670985
#3	.6622041	135.9776	9.579081	245.5494	1.107714	.0656698

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.078903	.9693226	1.381216	5.079514	F 10.42099	.0257944
Stddev	.424977	.0027670	.016939	.093176	.01583	.0024637
%RSD	20.44238	.2854570	1.226361	1.834343	.1519154	9.551118
#1	2.004513	.9719259	1.375456	4.979481	10.40648	.0229571
#2	2.536163	.9664167	1.400283	5.163835	10.41862	.0270347
#3	1.696031	.9696252	1.367907	5.095227	10.43787	.0273914

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-05 Acquired: 12/18/2024 19:52:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL82S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006593	1.427616	6.808028	.0352628	.8960262	.7476917
Stddev	.0011430	.011720	.022722	.0003200	.0055429	.0008347
%RSD	173.3701	.8209625	.3337538	.9075895	.6186147	.1116361
#1	-.000144	1.414178	6.833787	.0353972	.9001435	.7475042
#2	.001968	1.432947	6.799465	.0354937	.8982114	.7486042
#3	.000154	1.435724	6.790832	.0348975	.8897237	.7469667

Elem	Li6707
Units	ppm
Avg	.1032419
Stddev	.0025454
%RSD	2.465479
#1	.1060689
#2	.1011319
#3	.1025248

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2712.514	34343.30	2658.005	2345.561	1818.425
Stddev	2.609	361.18	3.515	25.989	1.701
%RSD	.0961969	1.051669	.1322582	1.108022	.0935634
#1	2711.990	34308.63	2656.112	2348.919	1816.571
#2	2710.207	34000.71	2655.843	2318.056	1819.915
#3	2715.346	34720.57	2662.062	2369.708	1818.788

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-06 Acquired: 12/18/2024 19:56:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL83 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0602142	-.011749	.2251660	.0237982	.0057720	35.46191
Stddev	.0038597	.003404	.0015200	.0036524	.0032439	.26752
%RSD	6.409934	28.97467	.6750700	15.34753	56.19947	.7543861
#1	.0560683	-.007837	.2257226	.0269305	.0032410	35.21804
#2	.0637034	-.013368	.2263294	.0246777	.0094288	35.74804
#3	.0608708	-.014041	.2234462	.0197863	.0046463	35.41964

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3205540	.0047593	.0029163	F 871.2446	.0621054	.1009661
Stddev	.0020461	.0000928	.0000258	7.7535	.0006362	.0009626
%RSD	.6382989	1.949466	.8852767	.8899288	1.024335	.9534062
#1	.3195402	.0047795	.0029446	864.7710	.0624999	.1007864
#2	.3229091	.0046581	.0028940	879.8373	.0613715	.1020059
#3	.3192128	.0048403	.0029104	869.1256	.0624448	.1001060

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1859067	115.3101	5.386369	100.0389	.0976760	.0060323
Stddev	.0093283	.9261	.053440	.7548	.0002968	.0008132
%RSD	5.017727	.8031591	.9921395	.7545032	.3038766	13.48160
#1	.1751355	114.5494	5.346219	99.4622	.0978371	.0051621
#2	.1912336	116.3414	5.447026	100.8932	.0973335	.0067731
#3	.1913509	115.0396	5.365864	99.7613	.0978575	.0061618

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.713589	.1005453	.5350295	4.329276	5.533132	.0300258
Stddev	.674107	.0042367	.0112978	.179577	.015569	.0041938
%RSD	39.33891	4.213704	2.111616	4.147958	.2813859	13.96714
#1	1.050734	.1045711	.5366513	4.123374	5.537002	.0255216
#2	2.398411	.0961253	.5230085	4.453462	5.515993	.0338179
#3	1.691623	.1009396	.5454287	4.410991	5.546402	.0307380

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-06 Acquired: 12/18/2024 19:56:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL83 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005057	1.110277	5.974628	.0304169	.3623924	.7541466
Stddev	.0002603	.005684	.013194	.0023468	.0062056	.0059636
%RSD	51.47044	.5119851	.2208331	7.715371	1.712390	.7907791
#1	.0005614	1.111043	5.980517	.0282827	.3556387	.7488979
#2	.0002221	1.104249	5.983852	.0300378	.3678427	.7606314
#3	.0007337	1.115540	5.959516	.0329301	.3636959	.7529104

Elem	Li6707
Units	ppm
Avg	.0784166
Stddev	.0029176
%RSD	3.720702
#1	.0754958
#2	.0784228
#3	.0813311

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2689.620	33625.55	2587.675	2316.889	1903.727
Stddev	11.396	239.81	15.337	18.939	4.899
%RSD	.4237106	.7131757	.5926902	.8174294	.2573361
#1	2676.462	33598.67	2587.221	2323.073	1898.095
#2	2696.321	33400.32	2572.571	2295.631	1906.085
#3	2696.078	33877.67	2603.235	2331.963	1907.000

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-07 Acquired: 12/18/2024 19:59:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL84 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1212642	-.052019	3.801032	.0731603	.0249219	63.95859
Stddev	.0082531	.003291	.001772	.0002840	.0022684	.26100
%RSD	6.805852	6.325948	.0466071	.3882444	9.101871	.4080749
#1	.1219917	-.051901	3.800162	.0734596	.0261943	63.66036
#2	.1291295	-.055367	3.803070	.0728945	.0262685	64.14529
#3	.1126715	-.048789	3.799863	.0731269	.0223030	64.07013

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.813704	.0075525	.0122809	177.0254	.2669146	.1411549
Stddev	.007638	.0000969	.0001445	.3894	.0009810	.0004107
%RSD	.4211096	1.282710	1.176418	.2199776	.3675402	.2909635
#1	1.806288	.0074737	.0123155	176.7188	.2676956	.1416291
#2	1.821546	.0076606	.0121223	177.4635	.2672348	.1409174
#3	1.813277	.0075231	.0124050	176.8938	.2658136	.1409181

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4558548	168.5279	7.646773	45.58179	.5034540	.0132635
Stddev	.0024715	.8523	.032461	.21136	.0011607	.0004905
%RSD	.5421742	.5057319	.4245109	.4636946	.2305485	3.697753
#1	.4584506	167.5643	7.610285	45.36859	.5047775	.0131481
#2	.4555837	169.1830	7.657589	45.79126	.5029754	.0138013
#3	.4535299	168.8364	7.672446	45.58553	.5026091	.0128410

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.468014	.1811394	2.781438	8.095003	F 17.74756	.0311591
Stddev	.446441	.0064274	.020251	.124671	.01326	.0034298
%RSD	30.41125	3.548332	.7280877	1.540101	.0747168	11.00721
#1	1.644409	.1843347	2.761502	8.088572	17.74056	.0283536
#2	.960324	.1737405	2.801991	8.222765	17.73927	.0349826
#3	1.799308	.1853429	2.780821	7.973671	17.76286	.0301410

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-07 Acquired: 12/18/2024 19:59:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL84 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092703	4.714443	8.262571	.2625859	.8361065	.1366774
Stddev	.0001313	.010842	.028398	.0023454	.0039541	.0009643
%RSD	1.416267	.2299738	.3436983	.8931834	.4729221	.7055090
#1	.0092783	4.702035	8.242308	.2607342	.8340700	.1355699
#2	.0091352	4.719200	8.250376	.2618003	.8406638	.1373304
#3	.0093974	4.722093	8.295030	.2652232	.8335858	.1371319

Elem	Li6707
Units	ppm
Avg	.1169425
Stddev	.0026113
%RSD	2.233004
#1	.1140150
#2	.1190319
#3	.1177807

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2895.479	36234.28	2721.927	2512.925	2082.011
Stddev	3.381	155.82	4.807	5.266	2.337
%RSD	.1167768	.4300314	.1766120	.2095663	.1122337
#1	2892.660	36073.26	2725.658	2506.854	2080.895
#2	2894.550	36245.27	2723.622	2516.265	2080.442
#3	2899.228	36384.32	2716.502	2515.655	2084.697

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-08 Acquired: 12/18/2024 20:03:39 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL85 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1203313	-.050593	4.149405	.0720862	.0247021	70.24151
Stddev	.0066229	.002744	.002925	.0016940	.0009758	.59241
%RSD	5.503928	5.423893	.0704852	2.349988	3.950264	.8433884
#1	.1159530	-.047424	4.147484	.0711301	.0257861	70.07582
#2	.1170903	-.052153	4.147959	.0710863	.0244266	69.74959
#3	.1279506	-.052201	4.152771	.0740421	.0238937	70.89913

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.020013	.0080966	.0125834	188.4638	.2765664	.1196335
Stddev	.015543	.0001722	.0000431	1.5075	.0018012	.0006924
%RSD	.7694350	2.127211	.3425041	.7999069	.6512717	.5787637
#1	2.017640	.0079468	.0125598	188.5131	.2775473	.1189960
#2	2.005793	.0080581	.0126331	186.9322	.2744876	.1203701
#3	2.036605	.0082848	.0125573	189.9460	.2776642	.1195345

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5285585	171.7057	7.361376	47.08454	.2117895	.0114543
Stddev	.0009802	1.6792	.050549	.31742	.0008500	.0013222
%RSD	.1854394	.9779791	.6866831	.6741459	.4013218	11.54284
#1	.5296438	171.5135	7.339433	46.99515	.2115515	.0099334
#2	.5282940	170.1308	7.325507	46.82141	.2127331	.0120999
#3	.5277378	173.4727	7.419189	47.43708	.2110839	.0123297

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.693266	.1845172	3.152466	8.099190	F 16.82496	.0349025
Stddev	.407966	.0053061	.047742	.118851	.01683	.0024924
%RSD	24.09346	2.875685	1.514445	1.467447	.1000034	7.140997
#1	1.481169	.1822961	3.204049	8.089488	16.81462	.0374987
#2	1.435038	.1806825	3.143520	7.985487	16.81589	.0346798
#3	2.163592	.1905729	3.109830	8.222595	16.84438	.0325289

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-08 Acquired: 12/18/2024 20:03:39 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL85 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0093575	3.860046	8.734574	.3165505	.8204635	.1292352
Stddev	.0003512	.006608	.136138	.0032383	.0100257	.0010258
%RSD	3.752861	.1711879	1.558608	1.022993	1.221951	.7937619
#1	.0089706	3.852483	8.647640	.3132172	.8125821	.1290347
#2	.0094459	3.864703	8.664616	.3196846	.8170608	.1283244
#3	.0096561	3.862952	8.891466	.3167498	.8317477	.1303465

Elem	Li6707
Units	ppm
Avg	.1191814
Stddev	.0048065
%RSD	4.032887
#1	.1145108
#2	.1241131
#3	.1189202

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2827.857	35218.82	2651.545	2431.521	2081.782
Stddev	10.568	163.28	30.372	9.896	4.686
%RSD	.3737098	.4636053	1.145449	.4069844	.2250891
#1	2817.549	35064.69	2678.187	2420.101	2077.037
#2	2827.356	35389.92	2657.977	2437.566	2081.902
#3	2838.667	35201.84	2618.473	2436.897	2086.406

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-09 Acquired: 12/18/2024 20:07:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL86 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1383788	-.039777	3.703129	.0591520	.0221085	65.22271
Stddev	.0068166	.002873	.016999	.0016069	.0030072	.03669
%RSD	4.926023	7.222833	.4590489	2.716561	13.60215	.0562525
#1	.1306551	-.037030	3.695224	.0574419	.0230683	65.22450
#2	.1409277	-.042762	3.691522	.0593835	.0245187	65.25847
#3	.1435536	-.039540	3.722641	.0606306	.0187386	65.18515

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.071907	.0080906	.0121355	252.3227	.2021797	.1190437
Stddev	.004031	.0000462	.0000775	.2104	.0014295	.0005417
%RSD	.1945527	.5715380	.6387689	.0833933	.7070311	.4550344
#1	2.072074	.0080424	.0121411	252.5580	.2005615	.1187156
#2	2.075852	.0080946	.0120553	252.2575	.2032706	.1187467
#3	2.067795	.0081346	.0122101	252.1526	.2027069	.1196690

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6663466	159.7468	7.363781	61.40977	.1877770	.0105345
Stddev	.0053476	.0745	.019801	.26047	.0004749	.0005816
%RSD	.8025269	.0466548	.2688993	.4241429	.2529066	5.520606
#1	.6667942	159.7542	7.363503	61.21648	.1875914	.0111137
#2	.6607893	159.6689	7.383720	61.70597	.1874229	.0099506
#3	.6714564	159.8174	7.344121	61.30687	.1883167	.0105391

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.485075	.1762132	2.460687	8.138502	F 16.89674	.0399452
Stddev	.185691	.0017465	.027255	.111089	.07733	.0012342
%RSD	12.50381	.9911451	1.107616	1.364982	.4576800	3.089606
#1	1.409568	.1776306	2.485416	8.166624	16.86681	.0396121
#2	1.696625	.1742621	2.431465	8.016055	16.83885	.0413116
#3	1.349033	.1767470	2.465180	8.232828	16.98457	.0389117

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-09 Acquired: 12/18/2024 20:07:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL86 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056736	3.568971	8.507794	.2201633	.7708272	.2615077
Stddev	.0006638	.020028	.084612	.0020962	.0014244	.0006708
%RSD	11.70038	.5611800	.9945243	.9521127	.1847853	.2565153
#1	.0059833	3.548808	8.413102	.2184726	.7724328	.2610622
#2	.0049115	3.569242	8.575980	.2195086	.7703330	.2622792
#3	.0061259	3.588862	8.534301	.2225088	.7697156	.2611817

Elem	Li6707
Units	ppm
Avg	.1178153
Stddev	.0050501
%RSD	4.286487
#1	.1120174
#2	.1201739
#3	.1212547

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2825.102	35528.03	2648.619	2444.958	2027.149
Stddev	7.132	146.46	14.663	5.152	5.750
%RSD	.2524463	.4122493	.5536053	.2107162	.2836253
#1	2817.813	35678.86	2663.526	2441.667	2025.116
#2	2832.066	35518.88	2634.213	2450.895	2033.639
#3	2825.426	35386.36	2648.119	2442.311	2022.693

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-10 Acquired: 12/18/2024 20:11:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL87 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1309959	-.032845	2.509605	.0527409	.0174592	58.72232
Stddev	.0070553	.004903	.017830	.0024459	.0016670	.06804
%RSD	5.385894	14.92671	.7104843	4.637590	9.547829	.1158704
#1	.1356195	-.033838	2.490355	.0500400	.0187998	58.74341
#2	.1228752	-.027522	2.512908	.0548063	.0179852	58.77733
#3	.1344931	-.037175	2.525554	.0533764	.0155927	58.64624

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.722905	.0067140	.0075447	284.2077	.1444939	.1133322
Stddev	.003856	.0001900	.0001422	.5659	.0018150	.0009107
%RSD	.2238140	2.829359	1.884430	.1991173	1.256101	.8036021
#1	1.722467	.0064979	.0074845	283.7192	.1461854	.1123599
#2	1.726961	.0067889	.0074425	284.8278	.1425766	.1134715
#3	1.719286	.0068550	.0077070	284.0762	.1447198	.1141653

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.103974	143.6852	7.708545	45.89394	.1578122	.0078551
Stddev	.009366	.1631	.014318	.21179	.0018403	.0001757
%RSD	.8484331	.1135090	.1857367	.4614766	1.166153	2.236964
#1	1.110816	143.5218	7.705690	46.05652	.1558421	.0076897
#2	1.093299	143.8480	7.724075	45.97085	.1594871	.0080395
#3	1.107808	143.6860	7.695870	45.65444	.1581072	.0078361

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.674876	.1433559	1.691761	8.601072	F 13.45509	.0531506
Stddev	.086773	.0063849	.012985	.095390	.08918	.0028529
%RSD	5.180837	4.453845	.7675196	1.109052	.6627919	5.367635
#1	1.769370	.1364035	1.705637	8.493048	13.35355	.0528868
#2	1.598772	.1489569	1.679903	8.636448	13.49102	.0561263
#3	1.656486	.1447072	1.689744	8.673721	13.52071	.0504387

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-10 Acquired: 12/18/2024 20:11:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL87 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034237	3.323295	8.333954	.1573915	.6171268	.2452367
Stddev	.0003927	.022517	.015011	.0019304	.0009433	.0013087
%RSD	11.47064	.6775562	.1801144	1.226468	.1528514	.5336580
#1	.0034125	3.298874	8.319244	.1551978	.6181925	.2454192
#2	.0038219	3.327779	8.349248	.1581458	.6167888	.2464446
#3	.0030367	3.343234	8.333371	.1588307	.6163991	.2438463

Elem	Li6707
Units	ppm
Avg	.1067545
Stddev	.0033290
%RSD	3.118397
#1	.1060638
#2	.1103747
#3	.1038250

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2799.961	35216.45	2629.438	2419.820	2035.782
Stddev	7.883	359.59	13.565	34.510	10.585
%RSD	.2815265	1.021085	.5159050	1.426148	.5199649
#1	2809.063	34801.75	2621.477	2380.230	2047.893
#2	2795.445	35441.81	2621.736	2443.539	2031.158
#3	2795.374	35405.78	2645.101	2435.692	2028.296

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-11 Acquired: 12/18/2024 20:15:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL88 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1063785	-.044760	1.028576	.0655125	.0246370	59.08238
Stddev	.0032597	.005127	.025815	.0034568	.0013159	.09427
%RSD	3.064268	11.45415	2.509767	5.276470	5.341297	.1595621
#1	.1099702	-.047078	1.007511	.0684121	.0231178	59.02419
#2	.1055577	-.038883	1.020843	.0664382	.0254231	59.03180
#3	.1036076	-.048318	1.057374	.0616871	.0253701	59.19115

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.333494	.0068135	.0065244	130.5074	.1070269	.1142578
Stddev	.001181	.0002379	.0002219	.3051	.0006971	.0035669
%RSD	.0885343	3.491072	3.401239	.2337577	.6513554	3.121801
#1	1.332703	.0069748	.0063717	130.6657	.1071287	.1110015
#2	1.332929	.0069254	.0064226	130.1557	.1076676	.1137018
#3	1.334851	.0065403	.0067790	130.7007	.1062845	.1180700

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3266164	154.4541	8.475581	33.10846	.1576969	.0065429
Stddev	.0012990	.1389	.014431	.01776	.0047563	.0002577
%RSD	.3977097	.0899103	.1702610	.0536508	3.016073	3.938745
#1	.3263873	154.4555	8.460866	33.12898	.1531725	.0068387
#2	.3280147	154.3145	8.476169	33.09831	.1572629	.0063670
#3	.3254472	154.5922	8.489709	33.09811	.1626553	.0064230

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.293418	.1648303	.9284598	5.500732	F 18.69307	.0280060
Stddev	.270660	.0054858	.0148038	.045996	.48353	.0007949
%RSD	20.92598	3.328118	1.594451	.8361771	2.586680	2.838270
#1	1.571986	.1606639	.9451608	5.462822	18.29449	.0281502
#2	1.276842	.1627814	.9232656	5.551901	18.55375	.0271489
#3	1.031427	.1710456	.9169531	5.487474	19.23096	.0287190

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-11 Acquired: 12/18/2024 20:15:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL88 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0045094	2.778548	8.225879	.0830840	.5988560	.0946619
Stddev	.0001008	.065977	.020634	.0047539	.0015123	.0000096
%RSD	2.235297	2.374527	.2508413	5.721761	.2525253	.0101484
#1	.0043972	2.721595	8.245564	.0802747	.6001601	.0946730
#2	.0045924	2.763204	8.227662	.0804046	.5992097	.0946558
#3	.0045387	2.850846	8.204412	.0885728	.5971983	.0946568

Elem	Li6707
Units	ppm
Avg	.0978285
Stddev	.0014253
%RSD	1.456905
#1	.0994337
#2	.0973400
#3	.0967116

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3083.231	39152.56	2892.755	2702.783	2075.180
Stddev	57.888	250.29	3.800	22.119	50.577
%RSD	1.877499	.6392607	.1313658	.8183623	2.437246
#1	3122.102	39009.71	2888.777	2689.183	2113.822
#2	3110.889	39006.41	2896.348	2690.860	2093.780
#3	3016.702	39441.56	2893.138	2728.305	2017.936

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-12 Acquired: 12/18/2024 20:18:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL89 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0511320	-.005166	.1865262	.0462207	.0094798	36.47517
Stddev	.0058574	.001670	.0009226	.0053556	.0029663	.31040
%RSD	11.45549	32.33198	.4946458	11.58705	31.29108	.8510002
#1	.0533056	-.007014	.1872899	.0514224	.0097016	36.59867
#2	.0555918	-.004719	.1867877	.0465162	.0064088	36.70482
#3	.0444985	-.003765	.1855011	.0407235	.0123291	36.12203

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.442894	.0030697	.0054358	279.7776	.0673457	.1002676
Stddev	.012414	.0001026	.0000280	1.7301	.0010297	.0007237
%RSD	.8603609	3.343199	.5152348	.6183972	1.528901	.7217447
#1	1.448966	.0031854	.0054161	280.3520	.0685342	.0998340
#2	1.451102	.0029897	.0054678	281.1475	.0667228	.1011031
#3	1.428612	.0030339	.0054234	277.8333	.0667802	.0998658

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1784095	121.2071	19.72386	58.29197	.1400255	.0061439
Stddev	.0055526	.8581	.15248	.53252	.0011134	.0007059
%RSD	3.112286	.7079705	.7730869	.9135390	.7951725	11.48967
#1	.1826664	121.4814	19.82395	58.55883	.1395316	.0066031
#2	.1804333	121.8945	19.79927	58.63830	.1392445	.0064975
#3	.1721289	120.2453	19.54837	57.67878	.1413005	.0053310

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.199543	.1078249	.4180652	3.571263	F 12.01366	.0129548
Stddev	.370248	.0029106	.0020686	.108139	.02036	.0005756
%RSD	30.86579	2.699398	.4947997	3.028023	.1695041	4.443426
#1	1.393829	.1071049	.4157875	3.456025	11.99091	.0128846
#2	1.432209	.1053419	.4185814	3.670525	12.01986	.0124175
#3	.772592	.1110280	.4198269	3.587239	12.03020	.0135624

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-12 Acquired: 12/18/2024 20:18:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL89 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044737	.8277121	6.333424	.0316464	.5600021	.2014404
Stddev	.0004551	.0033123	.018771	.0025185	.0051583	.0022137
%RSD	10.17198	.4001730	.2963835	7.958364	.9211200	1.098928
#1	.0049824	.8252774	6.333760	.0335615	.5609762	.2034288
#2	.0043330	.8314839	6.352025	.0287935	.5646039	.2018373
#3	.0041055	.8263749	6.314487	.0325841	.5544263	.1990551

Elem	Li6707
Units	ppm
Avg	.0759942
Stddev	.0035834
%RSD	4.715343
#1	.0799502
#2	.0729659
#3	.0750664

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2893.705	36117.37	2765.865	2491.346	2039.867
Stddev	9.378	253.86	10.073	23.659	5.726
%RSD	.3240912	.7028754	.3642048	.9496391	.2806804
#1	2903.220	35852.08	2758.324	2464.252	2046.435
#2	2884.470	36358.00	2761.966	2507.923	2035.924
#3	2893.425	36142.02	2777.305	2501.862	2037.243

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-13 Acquired: 12/18/2024 20:22:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL90 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0571249	-.005044	.1875106	.0372236	.0103287	36.69354	1.195805
Stddev	.0026079	.004721	.0022788	.0029824	.0017668	.63569	.022977
%RSD	4.565191	93.60876	1.215301	8.012050	17.10622	1.732420	1.921457
#1	.0598273	-.010465	.1848953	.0339929	.0090476	35.97315	1.170204
#2	.0569243	-.001834	.1890693	.0398716	.0123443	37.17571	1.214636
#3	.0546232	-.002832	.1885672	.0378064	.0095940	36.93177	1.202575

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040530	.0045011	650.9835	.0699743	.1127115	.2188735	127.9676
Stddev	.0002223	.0001372	10.8612	.0008493	.0006951	.0065897	2.3780
%RSD	5.483653	3.048937	1.668427	1.213791	.6167445	3.010718	1.858268
#1	.0042105	.0046553	638.8895	.0692425	.1123753	.2137420	125.3632
#2	.0041497	.0043922	659.9057	.0709057	.1122484	.2263049	130.0232
#3	.0037987	.0044560	654.1554	.0697747	.1135108	.2165737	128.5165

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.59662	136.6672	.1444966	.0056900	1.235426	.1129838	.3865039
Stddev	.28269	2.7311	.0006851	.0007974	.537399	.0138368	.0043454
%RSD	1.812517	1.998376	.4741248	14.01381	43.49906	12.24672	1.124283
#1	15.28462	133.7367	.1448432	.0059816	1.136494	.1094399	.3895866
#2	15.83574	139.1414	.1449392	.0063006	1.815417	.1012636	.3815340
#3	15.66949	137.1237	.1437075	.0047879	.754367	.1282479	.3883911

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.670957	5.605939	.0305319	.0027587	.8274134	5.780482	.0291482
Stddev	.137775	.019407	.0012261	.0006488	.0062001	.076022	.0023007
%RSD	2.429492	.3461863	4.015758	23.51766	.7493396	1.315148	7.893186
#1	5.564741	5.586332	.0293085	.0020305	.8210938	5.694649	.0315501
#2	5.826636	5.606345	.0317606	.0032751	.8334867	5.839332	.0269641
#3	5.621495	5.625140	.0305265	.0029704	.8276597	5.807465	.0289305

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-13 Acquired: 12/18/2024 20:22:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL90 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3794902	.3852573	.0850392
Stddev	.0108358	.0074720	.0013677
%RSD	2.855361	1.939484	1.608277
#1	.3670109	.3775969	.0836305
#2	.3865137	.3925255	.0863618
#3	.3849460	.3856495	.0851252

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2668.669	33499.23	2601.257	2301.724	1907.657
Stddev	3.275	109.18	34.550	7.842	2.579
%RSD	.1227030	.3259223	1.328214	.3406853	.1351963
#1	2671.230	33579.87	2634.794	2308.920	1909.929
#2	2669.799	33374.99	2565.776	2293.366	1908.188
#3	2664.980	33542.84	2603.202	2302.885	1904.854

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCV061 Acquired: 12/18/2024 20:26:38 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV061 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.767051	4.770066	24.85325	5.194846	5.308621	414.5683	10.25647
Stddev	.003455	.018222	.02872	.007270	.003759	6.6497	.17906
%RSD	.0724693	.3820110	.1155621	.1399541	.0708026	1.604006	1.745780
#1	4.767539	4.772278	24.83151	5.202895	5.311683	416.9626	10.32917
#2	4.770236	4.750839	24.84244	5.192888	5.304426	419.6893	10.38774
#3	4.763379	4.787081	24.88581	5.188756	5.309752	407.0530	10.05250

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5166104	2.489728	405.7659	15.20702	2.490059	14.97542	423.1787
Stddev	.0078861	.004021	6.3843	.04153	.003021	.23170	7.9987
%RSD	1.526501	.1615154	1.573401	.2731257	.1213381	1.547182	1.890142
#1	.5216209	2.487614	408.8164	15.22932	2.488251	15.10683	425.7257
#2	.5206902	2.487204	410.0527	15.15910	2.488380	15.11155	429.5938
#3	.5075203	2.494365	398.4286	15.23264	2.493547	14.70790	414.2167

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.50803	416.8233	2.488828	1.272980	421.5378	2.536166	14.89320
Stddev	.26814	7.3639	.003339	.002173	7.7661	.042705	.03375
%RSD	1.729009	1.766660	.1341603	.1707251	1.842329	1.683844	.2265814
#1	15.61218	418.7512	2.490195	1.273701	424.5127	2.551334	14.86512
#2	15.70847	423.0315	2.485022	1.270537	427.3766	2.569217	14.93064
#3	15.20344	408.6873	2.491266	1.274701	412.7240	2.487948	14.88383

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	152.1197	4.991464	4.866648	4.865830	5.083532	4.760570	5.010208
Stddev	2.1806	.005728	.054436	.011521	.011339	.061495	.002389
%RSD	1.433497	.1147472	1.118551	.2367728	.2230570	1.291752	.0476759
#1	152.8927	4.991544	4.893312	4.864977	5.094069	4.795295	5.009362
#2	153.8086	4.985697	4.902611	4.854759	5.071533	4.796849	5.008358
#3	149.6579	4.997151	4.804020	4.877753	5.084992	4.689568	5.012905

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCV061 Acquired: 12/18/2024 20:26:38 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV061 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.129405	4.867198	5.150862
Stddev	.094590	.090405	.078834
%RSD	1.844079	1.857434	1.530502
#1	5.159203	4.895234	5.174647
#2	5.205509	4.940264	5.215065
#3	5.023504	4.766096	5.062874

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2053.992	26896.40	2134.686	1755.418	1756.405
Stddev	2.814	64.40	31.109	2.024	4.515
%RSD	.1370023	.2394452	1.457321	.1153086	.2570322
#1	2056.631	26834.00	2116.563	1753.094	1761.434
#2	2054.315	26962.63	2116.889	1756.793	1755.078
#3	2051.031	26892.57	2170.608	1756.368	1752.702

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCB061 Acquired: 12/18/2024 20:30:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB061 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003772	.0029700	.0029685	.0042749	.0003615	.0198793	.0005358
Stddev	.001511	.0026367	.0009341	.0012720	.0028294	.0055713	.0016692
%RSD	40.05737	88.77827	31.46592	29.75513	782.6450	28.02579	311.5311
#1	-.003969	.0026001	.0020972	.0051734	-.002259	.0151091	.0005078
#2	-.002173	.0005377	.0028536	.0048320	-.000019	.0260026	-.001119
#3	-.005175	.0057720	.0039547	.0028194	.003362	.0185263	.002219

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000008	-.000030	.0518118	.0017168	-.000063	-.001894	.0470962
Stddev	.000164	.000077	.0080891	.0010111	.000146	.001241	.0147885
%RSD	2056.289	254.2296	15.61245	58.89806	231.4749	65.52629	31.40073
#1	-.000168	.000054	.0501035	.0028790	.000070	-.002347	.0523235
#2	-.000016	-.000096	.0606186	.0010396	-.000040	-.002844	.0304039
#3	.000160	-.000049	.0447133	.0012317	-.000219	-.000490	.0585612

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036973	-.002458	.0007373	.0003104	.7452077	.0018070	.0072399
Stddev	.0012787	.048792	.0003817	.0007642	.5113337	.0066583	.0063099
%RSD	34.58371	1984.760	51.76745	246.1921	68.61626	368.4650	87.15445
#1	.0036041	.021829	.0011774	.0007579	1.293075	.0032015	.0075134
#2	.0024678	.029424	.0004982	.0007453	.661913	-.005438	.0007977
#3	.0050200	-.058628	.0005361	-.000572	.280635	.007658	.0134086

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4977438	-.000764	.0115295	.0001228	-.000034	-.001966	.0009878
Stddev	.2399347	.000751	.0016779	.0003577	.003159	.000149	.0010556
%RSD	48.20446	98.32388	14.55280	291.3407	9164.638	7.573836	106.8584
#1	.6556566	-.000432	.0128993	.0005304	.002405	-.002051	-.000228
#2	.2216420	-.001623	.0120311	-.000024	-.003603	-.002053	.001666
#3	.6159327	-.000236	.0096580	-.000138	.001095	-.001794	.001526

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCB061 Acquired: 12/18/2024 20:30:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB061 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.000971	.0006531	.0142300
Stddev	.001965	.0001823	.0040347
%RSD	202.2918	27.91205	28.35341
#1	.001297	.0007282	.0095959
#2	-.002044	.0004453	.0169623
#3	-.002167	.0007860	.0161317

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2400.707	30112.23	2181.987	2063.296	2169.526
Stddev	16.017	103.39	1.338	10.264	16.640
%RSD	.6671761	.3433560	.0613154	.4974370	.7670047
#1	2418.757	29997.33	2182.136	2061.205	2188.538
#2	2395.176	30197.75	2180.581	2074.444	2162.433
#3	2388.189	30141.62	2183.244	2054.239	2157.608

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-14 Acquired: 12/18/2024 20:34:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL98 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0902068	-.034986	2.320892	.0547078	.0203073	44.79556
Stddev	.0048664	.003038	.006818	.0043957	.0004368	.10397
%RSD	5.394676	8.682651	.2937687	8.034851	2.151112	.2320884
#1	.0845953	-.034952	2.313336	.0522776	.0201116	44.71164
#2	.0927582	-.038040	2.326584	.0597820	.0200026	44.76318
#3	.0932670	-.031965	2.322758	.0520637	.0208078	44.91186

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.216662	.0051718	.0068758	56.07192	.2216459	.0767235
Stddev	.001323	.0001612	.0000830	.10631	.0016492	.0009286
%RSD	.1087583	3.117600	1.207678	.1895958	.7440785	1.210308
#1	1.215524	.0050813	.0068466	56.13054	.2224702	.0756908
#2	1.218114	.0053580	.0069695	56.13601	.2197470	.0774896
#3	1.216347	.0050761	.0068114	55.94920	.2227204	.0769901

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2369697	110.7012	5.992979	22.47058	.1346505	.0055485
Stddev	.0109065	.2417	.000906	.04567	.0008651	.0005186
%RSD	4.602509	.2183605	.0151242	.2032513	.6424998	9.347196
#1	.2284548	110.8486	5.993486	22.51160	.1344459	.0057934
#2	.2492631	110.8328	5.993519	22.42136	.1339060	.0049528
#3	.2331913	110.4222	5.991933	22.47877	.1355996	.0058994

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.042980	.1206476	1.434835	7.119215	F 11.15481	.0320738
Stddev	.474073	.0088439	.025977	.095407	.03141	.0026366
%RSD	45.45368	7.330340	1.810466	1.340138	.2815827	8.220546
#1	.618299	.1197844	1.423898	7.012626	11.12043	.0302269
#2	1.554452	.1122670	1.416116	7.196627	11.18200	.0309011
#3	.956189	.1298914	1.464493	7.148391	11.16199	.0350933

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-14 Acquired: 12/18/2024 20:34:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL98 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0077651	3.739021	7.137266	.0771497	.7476265	.0258507
Stddev	.0001422	.014249	.046067	.0015000	.0036817	.0003201
%RSD	1.831305	.3810819	.6454396	1.944252	.4924467	1.238427
#1	.0077002	3.723295	7.157314	.0762473	.7438033	.0256561
#2	.0079282	3.751072	7.169912	.0788813	.7511481	.0256759
#3	.0076669	3.742697	7.084573	.0763207	.7479282	.0262202

Elem	Li6707
Units	ppm
Avg	.0764232
Stddev	.0011173
%RSD	1.461966
#1	.0752430
#2	.0765620
#3	.0774646

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2788.322	35028.47	2561.851	2402.434	2161.504
Stddev	5.126	65.66	23.826	4.537	5.603
%RSD	.1838557	.1874447	.9300206	.1888679	.2592366
#1	2794.018	35100.98	2557.024	2405.446	2167.930
#2	2784.080	34973.03	2540.808	2397.215	2157.635
#3	2786.867	35011.40	2587.720	2404.640	2158.947

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-15 Acquired: 12/18/2024 20:38:07 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL99 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1244232	-.042808	2.977179	.0673312	.0222915	54.26312
Stddev	.0073837	.002500	.009731	.0007763	.0021269	.06637
%RSD	5.934301	5.839896	.3268632	1.153014	9.541138	.1223091
#1	.1327616	-.040583	2.986106	.0666155	.0219284	54.30283
#2	.1187141	-.045513	2.978626	.0672216	.0245765	54.18650
#3	.1217939	-.042329	2.966806	.0681565	.0203696	54.30003

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.493754	.0064313	.0091688	67.82916	.2807873	.0921293
Stddev	.001260	.0000825	.0000975	.03732	.0009825	.0000695
%RSD	.0843711	1.282658	1.063376	.0550186	.3498953	.0753949
#1	1.495148	.0065000	.0092713	67.87117	.2807798	.0921597
#2	1.492696	.0063398	.0091580	67.81642	.2817736	.0920499
#3	1.493417	.0064541	.0090772	67.79987	.2798087	.0921785

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3026862	135.0818	7.251293	26.46447	.1671758	.0075057
Stddev	.0021395	.5047	.025881	.13033	.0006517	.0014687
%RSD	.7068431	.3736464	.3569099	.4924876	.3898109	19.56717
#1	.3004457	135.4726	7.271463	26.42512	.1672474	.0064831
#2	.3029048	134.5119	7.222111	26.35834	.1677887	.0091886
#3	.3047080	135.2609	7.260304	26.60994	.1664913	.0068454

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9940030	.1451454	1.719516	6.314167	F 12.13431	.0193073
Stddev	.1929130	.0036072	.014703	.137826	.02968	.0020315
%RSD	19.40768	2.485215	.8550460	2.182811	.2445773	10.52210
#1	1.134055	.1412323	1.702718	6.408398	12.15744	.0212387
#2	.773962	.1458662	1.730046	6.155982	12.14466	.0194948
#3	1.073992	.1483378	1.725785	6.378121	12.10085	.0171886

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-15 Acquired: 12/18/2024 20:38:07 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL99 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0067185	3.208653	7.882686	.1057920	.8387236	.0205100
Stddev	.0004832	.005713	.042130	.0015537	.0075885	.0005836
%RSD	7.191978	.1780645	.5344684	1.468617	.9047620	2.845369
#1	.0072424	3.202187	7.931212	.1066437	.8428897	.0199373
#2	.0062903	3.210749	7.855444	.1039987	.8299647	.0211039
#3	.0066229	3.213022	7.861402	.1067336	.8433165	.0204889

Elem	Li6707
Units	ppm
Avg	.0960529
Stddev	.0005315
%RSD	.5533391
#1	.0966340
#2	.0955914
#3	.0959334

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2848.610	35438.31	2639.296	2449.215	2148.125
Stddev	15.851	130.83	18.129	13.486	9.798
%RSD	.5564404	.3691849	.6868814	.5506196	.4560992
#1	2840.272	35532.60	2630.145	2454.051	2145.453
#2	2838.668	35493.39	2660.176	2459.616	2139.941
#3	2866.889	35288.94	2627.566	2433.978	2158.982

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-16 Acquired: 12/18/2024 20:41:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLA0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1671431	-.042655	2.976671	.0720728	.0254400	62.52189
Stddev	.0006148	.004607	.008705	.0026682	.0005309	.25304
%RSD	.3678418	10.79948	.2924376	3.702076	2.086675	.4047256
#1	.1678525	-.040458	2.967679	.0709418	.0259311	62.33288
#2	.1667656	-.047949	2.977278	.0701564	.0255120	62.42342
#3	.1668110	-.039559	2.985057	.0751202	.0248768	62.80936

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.811427	.0073508	.0092489	105.3418	.2152411	.1056049
Stddev	.010268	.0001116	.0001818	.4141	.0006336	.0002913
%RSD	.5668211	1.518739	1.965528	.3931121	.2943797	.2758701
#1	1.801953	.0073907	.0091149	105.0333	.2155827	.1054111
#2	1.809992	.0074369	.0094558	105.1796	.2156305	.1054636
#3	1.822337	.0072247	.0091759	105.8124	.2145099	.1059399

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3130357	153.0346	8.860132	33.73780	.1743349	.0077388
Stddev	.0029013	.7552	.042708	.16042	.0010529	.0004346
%RSD	.9268261	.4934682	.4820220	.4754902	.6039318	5.615911
#1	.3138333	152.3438	8.815693	33.55459	.1734697	.0079768
#2	.3154548	152.9192	8.863835	33.80572	.1740277	.0080023
#3	.3098190	153.8409	8.900868	33.85309	.1755071	.0072371

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.583019	.1556347	1.622334	5.730269	F 14.02167	.0164108
Stddev	.387102	.0032621	.017832	.192329	.01860	.0013070
%RSD	24.45338	2.096017	1.099160	3.356377	.1326409	7.964339
#1	1.569219	.1518787	1.624604	5.855897	14.00087	.0179054
#2	1.203002	.1577591	1.603476	5.826054	14.02741	.0154818
#3	1.976836	.1572663	1.638923	5.508855	14.03672	.0158453

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-16 Acquired: 12/18/2024 20:41:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLA0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050791	2.849513	8.084618	.1165380	.8409841	.0528032
Stddev	.0001407	.003362	.035875	.0017643	.0035560	.0005615
%RSD	2.770512	.1179686	.4437381	1.513922	.4228346	1.063459
#1	.0049283	2.845661	8.062619	.1156464	.8372901	.0522239
#2	.0052068	2.851026	8.126015	.1185702	.8412786	.0528404
#3	.0051021	2.851853	8.065219	.1153974	.8443837	.0533451

Elem	Li6707
Units	ppm
Avg	.1099721
Stddev	.0037934
%RSD	3.449467
#1	.1105404
#2	.1059265
#3	.1134493

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2991.477	37670.73	2808.679	2604.372	2179.751
Stddev	4.398	73.57	6.277	8.985	5.994
%RSD	.1470307	.1952939	.2234769	.3449867	.2749720
#1	2993.045	37629.53	2814.545	2601.413	2182.946
#2	2994.876	37755.67	2802.060	2614.463	2183.470
#3	2986.509	37627.00	2809.432	2597.240	2172.836

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-17 Acquired: 12/18/2024 20:45:46 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLA1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1396255	-.048922	1.372831	.0681425	.0223772	58.18965
Stddev	.0000301	.003395	.002763	.0032031	.0026605	.44992
%RSD	.0215780	6.939966	.2012606	4.700652	11.88928	.7732040
#1	.1396539	-.049059	1.370889	.0645028	.0203672	57.72569
#2	.1396288	-.052247	1.375994	.0693928	.0253942	58.62408
#3	.1395939	-.045461	1.371610	.0705320	.0213701	58.21918

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.045659	.0066662	.0050020	118.9479	.1086016	.1054175
Stddev	.007937	.0001228	.0000335	.9972	.0001403	.0001212
%RSD	.7590264	1.842499	.6688350	.8383356	.1291898	.1149545
#1	1.037150	.0065275	.0050250	118.0132	.1084398	.1054661
#2	1.052863	.0067101	.0050173	119.9976	.1086758	.1055068
#3	1.046963	.0067611	.0049636	118.8331	.1086893	.1052795

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2383869	156.8691	7.735600	53.53994	.1517186	.0060583
Stddev	.0039456	1.2316	.055446	.49060	.0004192	.0015523
%RSD	1.655111	.7850867	.7167646	.9163188	.2762762	25.62264
#1	.2350427	155.7560	7.682443	52.99712	.1515145	.0066738
#2	.2373794	158.1921	7.793082	53.95169	.1522007	.0042926
#3	.2427385	156.6593	7.731276	53.67100	.1514406	.0072085

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.300537	.1576985	.7041802	3.529953	F 12.38040	.0121767
Stddev	.323747	.0031394	.0129609	.172509	.02156	.0041960
%RSD	24.89331	1.990732	1.840572	4.886998	.1741657	34.45894
#1	1.178890	.1568676	.7134595	3.380478	12.39743	.0086955
#2	1.055234	.1550582	.7097095	3.718717	12.35616	.0168358
#3	1.667487	.1611697	.6893716	3.490664	12.38763	.0109989

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-17 Acquired: 12/18/2024 20:45:46 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLA1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044714	1.651599	7.766432	.0683660	.7387085	.0419549
Stddev	.0005049	.009272	.064320	.0009814	.0038660	.0003733
%RSD	11.29098	.5613991	.8281840	1.435447	.5233513	.8896877
#1	.0049476	1.650765	7.702058	.0694327	.7359694	.0415388
#2	.0039421	1.642772	7.766540	.0675015	.7431308	.0420659
#3	.0045245	1.661260	7.830698	.0681637	.7370253	.0422601

Elem	Li6707
Units	ppm
Avg	.1034577
Stddev	.0026543
%RSD	2.565609
#1	.1018027
#2	.1065193
#3	.1020512

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2858.957	35870.63	2662.463	2459.421	2090.774
Stddev	4.962	85.15	15.554	13.772	1.995
%RSD	.1735502	.2373682	.5841901	.5599489	.0954082
#1	2862.067	35793.36	2680.388	2445.138	2090.689
#2	2853.235	35856.60	2654.464	2460.509	2088.824
#3	2861.568	35961.91	2652.536	2472.617	2092.811

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-18 Acquired: 12/18/2024 20:49:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLA2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0698079	-.023718	.5504198	.0374444	.0134635	40.68698
Stddev	.0038514	.002973	.0010870	.0027033	.0027486	.74494
%RSD	5.517090	12.53685	.1974781	7.219430	20.41509	1.830904
#1	.0655571	-.027042	.5497878	.0348543	.0103094	39.82727
#2	.0730651	-.021311	.5516749	.0372308	.0153463	41.09213
#3	.0708015	-.022802	.5497966	.0402482	.0147349	41.14154

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5559503	.0045574	.0032201	302.9470	.0815849	.0987416
Stddev	.0103240	.0002916	.0000855	5.2597	.0003551	.0005355
%RSD	1.856995	6.398986	2.655773	1.736173	.4353072	.5423680
#1	.5441081	.0042877	.0031342	296.8810	.0813100	.0981885
#2	.5606859	.0045175	.0033052	305.7223	.0814587	.0992577
#3	.5630570	.0048669	.0032209	306.2378	.0819858	.0987786

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1999569	122.0210	6.645468	70.75791	.1268598	.0045569
Stddev	.0123284	2.7354	.130045	1.49561	.0013358	.0008753
%RSD	6.165530	2.241764	1.956897	2.113706	1.052980	19.20859
#1	.1863191	118.8629	6.495421	69.03138	.1257948	.0041245
#2	.2032407	123.6480	6.725608	71.65573	.1264259	.0039819
#3	.2103110	123.5521	6.715375	71.58661	.1283585	.0055642

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.555201	.1170607	.5517375	2.487392	F 17.68170	.0174664
Stddev	1.012098	.0083058	.0023075	.164156	.04321	.0021417
%RSD	65.07828	7.095326	.4182301	6.599531	.2444045	12.26193
#1	.777983	.1201033	.5504734	2.343754	17.63657	.0175348
#2	1.187971	.1076627	.5503382	2.666325	17.68582	.0195730
#3	2.699648	.1234162	.5544008	2.452098	17.72270	.0152913

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-18 Acquired: 12/18/2024 20:49:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLA2 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046300	.9348558	6.404794	.0400003	.5659277	.1875342
Stddev	.0003292	.0040590	.126624	.0019920	.0126401	.0036469
%RSD	7.110926	.4341806	1.977025	4.980037	2.233510	1.944655
#1	.0047725	.9329383	6.261967	.0410059	.5514212	.1833364
#2	.0042536	.9395183	6.503302	.0412891	.5745747	.1899225
#3	.0048641	.9321109	6.449113	.0377059	.5717871	.1893438

Elem	Li6707
Units	ppm
Avg	.0909029
Stddev	.0034957
%RSD	3.845490
#1	.0882099
#2	.0896455
#3	.0948533

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2668.751	33573.97	2533.749	2296.440	2028.295
Stddev	2.036	18.06	47.865	3.218	2.817
%RSD	.0762835	.0538049	1.889086	.1401272	.1388733
#1	2670.945	33556.38	2587.855	2292.995	2031.252
#2	2666.923	33592.47	2496.929	2296.958	2027.988
#3	2668.384	33573.06	2516.463	2299.368	2025.644

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-19 Acquired: 12/18/2024 20:53:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLA3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0591265	-.027627	.2337550	.0438612	.0149599	44.35049	.3917441
Stddev	.0015439	.003520	.0017676	.0030192	.0032422	.54699	.0052200
%RSD	2.611132	12.73958	.7561842	6.883443	21.67290	1.233337	1.332494
#1	.0577758	-.030814	.2356045	.0470367	.0129913	44.15744	.3900490
#2	.0608095	-.023850	.2335778	.0410275	.0131864	43.92621	.3875823
#3	.0587943	-.028216	.2320827	.0435193	.0187021	44.96783	.3976009

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051876	.0028033	481.4837	.0700758	.1158212	.2204246	145.0579
Stddev	.0000210	.0000732	6.7171	.0006512	.0005493	.0060350	1.8497
%RSD	.4045732	2.612160	1.395073	.9292542	.4743127	2.737901	1.275140
#1	.0052054	.0027225	479.8060	.0706576	.1164529	.2138682	144.4012
#2	.0051645	.0028222	475.7646	.0701974	.1154550	.2216578	143.6262
#3	.0051931	.0028653	488.8806	.0693724	.1155557	.2257477	147.1464

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.322398	104.7313	.1539703	.0047442	1.494487	.1326690	.4575967
Stddev	.099540	1.2156	.0004624	.0002504	.202234	.0063339	.0104867
%RSD	1.359395	1.160724	.3003421	5.277246	13.53197	4.774218	2.291700
#1	7.273485	104.2123	.1541017	.0044557	1.490734	.1319936	.4455082
#2	7.256777	103.8614	.1543527	.0049044	1.698571	.1393135	.4630307
#3	7.436932	106.1203	.1534563	.0048725	1.294156	.1266999	.4642513

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.487522	7.526852	.0188373	.0035219	.6102499	6.813046	.0317182
Stddev	.059633	.005998	.0028640	.0002509	.0005346	.044229	.0008516
%RSD	1.709898	.0796866	15.20380	7.123730	.0875972	.6491748	2.684785
#1	3.471890	7.522703	.0205130	.0034732	.6099754	6.807862	.0318422
#2	3.437262	7.524123	.0155304	.0032989	.6099084	6.771638	.0308114
#3	3.553414	7.533729	.0204686	.0037936	.6108660	6.859638	.0325010

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-19 Acquired: 12/18/2024 20:53:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLA3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6954403	.3466685	.1042985
Stddev	.0100200	.0036484	.0027929
%RSD	1.440816	1.052416	2.677769
#1	.6961260	.3443485	.1073621
#2	.6850950	.3447832	.1036392
#3	.7050998	.3508738	.1018943

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2659.699	33360.47	2521.143	2279.742	1959.458
Stddev	14.650	47.55	16.656	6.143	11.905
%RSD	.5508205	.1425412	.6606709	.2694402	.6075644
#1	2654.357	33328.00	2514.614	2285.205	1955.329
#2	2676.270	33338.37	2540.075	2273.093	1972.878
#3	2648.468	33415.06	2508.740	2280.929	1950.167

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-20 Acquired: 12/18/2024 20:57:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLA4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0689693	-.008527	.2342942	.0307858	.0067383	35.42441
Stddev	.0055927	.003008	.0023607	.0022505	.0019291	.07363
%RSD	8.108916	35.27312	1.007566	7.310287	28.62911	.2078544
#1	.0752375	-.011871	.2325530	.0319252	.0048151	35.47991
#2	.0644897	-.006045	.2369811	.0281934	.0086733	35.45244
#3	.0671806	-.007664	.2333485	.0322388	.0067265	35.34088

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5216239	.0043738	.0032036	F 889.6069	.0612124	.1115951
Stddev	.0006952	.0001184	.0001053	1.4737	.0007573	.0003020
%RSD	.1332792	2.706354	3.288350	.1656584	1.237234	.2706299
#1	.5220972	.0044011	.0032170	891.2287	.0620859	.1115753
#2	.5219487	.0042442	.0033016	889.2423	.0607392	.1113035
#3	.5208257	.0044761	.0030922	888.3497	.0608121	.1119065

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3414243	124.1722	10.07978	105.1046	.1271353	.0048496
Stddev	.0049454	.2188	.01672	.1655	.0010036	.0010874
%RSD	1.448451	.1761763	.1659014	.1574562	.7894181	22.42234
#1	.3399387	124.0255	10.08013	105.2362	.1280427	.0049829
#2	.3469422	124.4237	10.09633	105.1589	.1273058	.0058642
#3	.3373921	124.0675	10.06289	104.9188	.1260573	.0037017

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.347634	.1031193	.4002265	4.881963	F 11.02140	.0319563
Stddev	.653462	.0043942	.0028722	.033147	.02073	.0032678
%RSD	48.48957	4.261226	.7176532	.6789784	.1881305	10.22577
#1	1.084383	.1012264	.3979185	4.881988	11.00780	.0346819
#2	.866857	.0999888	.3993179	4.848803	11.01113	.0328534
#3	2.091661	.1081427	.4034432	4.915098	11.04526	.0283337

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-20 Acquired: 12/18/2024 20:57:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLA4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023517	1.054972	5.853456	.0337742	.5199434	.8033328
Stddev	.0004150	.004314	.020900	.0006403	.0047978	.0020480
%RSD	17.64762	.4088987	.3570559	1.895855	.9227497	.2549314
#1	.0026307	1.058813	5.865191	.0332345	.5164723	.8019910
#2	.0018747	1.050305	5.865851	.0336063	.5254182	.8056900
#3	.0025495	1.055798	5.829326	.0344817	.5179395	.8023173

Elem	Li6707
Units	ppm
Avg	.0934253
Stddev	.0055308
%RSD	5.919990
#1	.0961079
#2	.0971032
#3	.0870648

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2723.917	34204.13	2633.382	2351.701	1881.055
Stddev	6.103	74.55	7.088	5.569	2.510
%RSD	.2240688	.2179480	.2691458	.2368282	.1334189
#1	2727.037	34128.51	2625.211	2347.691	1882.750
#2	2727.830	34277.55	2637.861	2358.060	1882.244
#3	2716.884	34206.34	2637.075	2349.352	1878.172

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-21 Acquired: 12/18/2024 21:01:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLC6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0834814	-.041124	.9815844	.0607034	.0208208	46.73428	.8622608
Stddev	.0061542	.002056	.0077540	.0040768	.0030455	.18563	.0017050
%RSD	7.371934	5.000523	.7899512	6.715969	14.62719	.3972105	.1977401
#1	.0825916	-.039175	.9748328	.0561401	.0179712	46.55786	.8614053
#2	.0900321	-.040925	.9798673	.0639863	.0204610	46.71706	.8611528
#3	.0778206	-.043273	.9900530	.0619837	.0240302	46.92793	.8642242

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056736	.0062185	37.25892	.2560690	.0785205	.2102293	119.1956
Stddev	.0000185	.0000860	.21321	.0010099	.0003416	.0086362	.4054
%RSD	.3268271	1.383429	.5722265	.3943717	.4350738	4.108011	.3401407
#1	.0056848	.0061287	37.02436	.2550298	.0785783	.2050792	118.7398
#2	.0056522	.0062268	37.44096	.2561306	.0781536	.2054088	119.5163
#3	.0056838	.0063002	37.31142	.2570467	.0788295	.2201997	119.3306

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.177551	16.28256	.1265203	.0059111	1.460413	.1314578	.7862362
Stddev	.022995	.10482	.0009101	.0001940	.493940	.0117840	.0075727
%RSD	.3722389	.6437658	.7193378	3.281832	33.82194	8.964099	.9631615
#1	6.153144	16.25675	.1270548	.0056874	1.986109	.1246458	.7922969
#2	6.180697	16.39788	.1254694	.0060320	1.389163	.1450648	.7777472
#3	6.198811	16.19306	.1270366	.0060140	1.005967	.1246628	.7886646

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.074671	8.796504	.0171415	.0061001	3.136407	7.551619	.0656807
Stddev	.084435	.027603	.0016950	.0003323	.009805	.074501	.0020664
%RSD	1.663847	.3137991	9.888223	5.446989	.3126210	.9865607	3.146078
#1	5.131310	8.772184	.0186535	.0058800	3.133930	7.467596	.0646014
#2	5.115077	8.790822	.0153092	.0059380	3.128077	7.609617	.0643775
#3	4.977626	8.826507	.0174618	.0064823	3.147212	7.577642	.0680633

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-21 Acquired: 12/18/2024 21:01:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLC6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8272246	-.012568	.0857025
Stddev	.0025005	.000229	.0026548
%RSD	.3022713	1.818632	3.097649
#1	.8243587	-.012740	.0880226
#2	.8283532	-.012657	.0828073
#3	.8289617	-.012309	.0862775

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2771.777	34739.24	2559.822	2401.692	2165.730
Stddev	5.072	20.37	20.200	3.220	1.790
%RSD	.1829998	.0586511	.7891149	.1340641	.0826553
#1	2766.161	34753.07	2583.014	2402.718	2166.378
#2	2773.143	34748.80	2550.378	2404.274	2167.106
#3	2776.026	34715.84	2546.074	2398.084	2163.706

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-22 Acquired: 12/18/2024 21:05:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLC7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1125791	-.051634	1.241762	.0786641	.0252287	57.92336
Stddev	.0019684	.000790	.002735	.0029066	.0015826	.22997
%RSD	1.748479	1.529633	.2202664	3.694920	6.272917	.3970282
#1	.1120055	-.051730	1.244135	.0802292	.0269218	58.11345
#2	.1109611	-.050800	1.242381	.0753103	.0249779	57.66774
#3	.1147706	-.052371	1.238771	.0804528	.0237866	57.98891

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.054700	.0070076	.0088436	48.19523	.3374572	.0976152
Stddev	.004020	.0001286	.0001115	.15635	.0013684	.0004078
%RSD	.3811696	1.834539	1.260193	.3244162	.4055080	.4177805
#1	1.058903	.0071410	.0087541	48.36126	.3378287	.0972610
#2	1.050892	.0068844	.0089684	48.05080	.3359414	.0980610
#3	1.054307	.0069975	.0088082	48.17363	.3386015	.0975234

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2635837	149.0127	8.759673	22.21940	.1662935	.0076433
Stddev	.0037704	.6870	.037797	.04399	.0013458	.0005420
%RSD	1.430419	.4610110	.4314910	.1979849	.8092983	7.091608
#1	.2679322	149.4322	8.775243	22.22479	.1677992	.0070938
#2	.2612274	148.2199	8.716578	22.17296	.1658735	.0076586
#3	.2615914	149.3860	8.787199	22.26044	.1652077	.0081775

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.531207	.1637624	.9723480	5.344632	F 10.67291	.0254692
Stddev	.581814	.0094020	.0050149	.090307	.02433	.0034690
%RSD	37.99704	5.741265	.5157552	1.689668	.2279724	13.62018
#1	.863166	.1589424	.9677056	5.240487	10.67616	.0214908
#2	1.926855	.1577477	.9776668	5.392164	10.69544	.0278621
#3	1.803601	.1745969	.9716715	5.401246	10.64711	.0270548

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5058-22 Acquired: 12/18/2024 21:05:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLC7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071943	3.313128	8.042456	.0666362	.8897139	-.017771
Stddev	.0004975	.001869	.083796	.0013311	.0076268	.000377
%RSD	6.914622	.0564202	1.041921	1.997532	.8572207	2.122277
#1	.0066670	3.315185	8.126387	.0662868	.8983475	-.018029
#2	.0072606	3.311532	7.958795	.0681071	.8838923	-.017338
#3	.0076553	3.312668	8.042186	.0655147	.8869018	-.017946

Elem	Li6707
Units	ppm
Avg	.1049059
Stddev	.0020037
%RSD	1.909953
#1	.1049750
#2	.1028686
#3	.1068742

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2843.845	35354.97	2606.601	2434.600	2156.057
Stddev	4.907	129.56	16.931	11.008	3.859
%RSD	.1725374	.3664450	.6495608	.4521399	.1789831
#1	2845.277	35497.15	2591.465	2447.153	2157.452
#2	2838.381	35324.19	2624.886	2430.054	2151.694
#3	2847.876	35243.58	2603.453	2426.594	2159.025

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-01 Acquired: 12/18/2024 21:08:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL48 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0626459	-.039102	.1907954	.0490987	.0186355	64.98195	.6738303
Stddev	.0062524	.005540	.0021774	.0038476	.0014389	.18671	.0042666
%RSD	9.980519	14.16750	1.141216	7.836475	7.721171	.2873252	.6331885
#1	.0589954	-.032752	.1912013	.0491046	.0201904	65.15290	.6773552
#2	.0698654	-.042949	.1884436	.0529433	.0173511	64.78271	.6690870
#3	.0590770	-.041604	.1927413	.0452481	.0183650	65.01026	.6750486

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0064655	.0029384	682.6242	.0948125	.1287884	.1255158	167.6165
Stddev	.0001854	.0000884	1.5994	.0002180	.0005083	.0045508	.4513
%RSD	2.866805	3.008879	.2343079	.2299031	.3946834	3.625668	.2692514
#1	.0066490	.0028450	683.4926	.0949222	.1290225	.1299165	168.0855
#2	.0064693	.0029496	680.7784	.0945615	.1291374	.1208285	167.1853
#3	.0062784	.0030207	683.6016	.0949539	.1282052	.1258023	167.5786

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.451130	111.8008	.1831879	.0041621	1.825416	.1440376	.3720107
Stddev	.020223	.1446	.0004526	.0008039	.267233	.0067041	.0066106
%RSD	.3709812	.1293067	.2470602	19.31410	14.63956	4.654402	1.776986
#1	5.474132	111.9295	.1836531	.0035675	1.550397	.1455071	.3670951
#2	5.436145	111.6444	.1827491	.0038421	2.084115	.1367206	.3795259
#3	5.443113	111.8284	.1831614	.0050767	1.841736	.1498850	.3694111

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.547084	5.926549	.0245492	.0022201	1.376733	8.299338	.0364507
Stddev	.093133	.007808	.0029539	.0009747	.007251	.064301	.0018645
%RSD	2.048194	.1317470	12.03248	43.90358	.5266608	.7747689	5.115219
#1	4.568642	5.935551	.0258406	.0025531	1.384583	8.354636	.0343274
#2	4.627548	5.921618	.0211695	.0011225	1.370287	8.228780	.0378208
#3	4.445063	5.922477	.0266374	.0029846	1.375330	8.314598	.0372040

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-01 Acquired: 12/18/2024 21:08:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL48 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9386849	.6591349	.1406378
Stddev	.0068417	.0016521	.0022572
%RSD	.7288632	.2506442	1.604966
#1	.9465789	.6604944	.1409652
#2	.9344685	.6596140	.1382348
#3	.9350072	.6572962	.1427135

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2638.825	33240.44	2536.737	2266.568	1912.172
Stddev	4.939	28.07	20.790	1.255	2.734
%RSD	.1871703	.0844330	.8195444	.0553815	.1429605
#1	2643.513	33272.51	2518.576	2268.012	1912.446
#2	2639.294	33220.34	2559.413	2265.952	1914.758
#3	2633.668	33228.48	2532.223	2265.740	1909.312

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-02 Acquired: 12/18/2024 21:12:39 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL49 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1455259	-.066251	.8197415	.0847360	.0334993	62.95040	1.005381
Stddev	.0045016	.000466	.0046194	.0032961	.0025912	.03396	.001618
%RSD	3.093332	.7033084	.5635179	3.889852	7.735205	.0539491	.1609413
#1	.1486945	-.066081	.8250691	.0831908	.0353500	62.95913	1.004135
#2	.1403731	-.066778	.8168519	.0824964	.0346101	62.91292	1.007210
#3	.1475101	-.065895	.8173035	.0885209	.0305379	62.97914	1.004799

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0083110	.0065381	38.70832	.1371374	.1093669	.2182539	173.4544
Stddev	.0001320	.0000204	.06488	.0005867	.0001881	.0042178	.1517
%RSD	1.588427	.3118543	.1676041	.4278273	.1719955	1.932527	.0874440
#1	.0081647	.0065580	38.63657	.1378094	.1092153	.2221030	173.3782
#2	.0083471	.0065391	38.76284	.1368763	.1093080	.2137451	173.3559
#3	.0084212	.0065173	38.72556	.1367266	.1095774	.2189136	173.6290

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.002699	19.09206	.1672794	.0066873	1.724507	.1833634	.6565448
Stddev	.012641	.02279	.0018196	.0002939	.198613	.0023120	.0119030
%RSD	.1404107	.1193721	1.087769	4.394226	11.51709	1.260861	1.812983
#1	8.991356	19.11784	.1675713	.0065417	1.683642	.1850647	.6687131
#2	9.016326	19.08374	.1689355	.0070256	1.940374	.1807311	.6559952
#3	9.000414	19.07460	.1653315	.0064947	1.549505	.1842943	.6449260

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.693493	6.276326	.0179228	.0100925	3.922033	8.095470	.0477701
Stddev	.080098	.011306	.0006067	.0002826	.008502	.048541	.0008801
%RSD	1.196650	.1801378	3.384832	2.800220	.2167695	.5996035	1.842423
#1	6.608165	6.285454	.0177287	.0101893	3.917923	8.052722	.0468206
#2	6.705254	6.279845	.0174369	.0103140	3.931808	8.085449	.0485587
#3	6.767060	6.263679	.0186028	.0097742	3.916366	8.148239	.0479309

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-02 Acquired: 12/18/2024 21:12:39 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL49 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7032617	-.088909	.0875609
Stddev	.0035232	.000414	.0019674
%RSD	.5009800	.4661549	2.246894
#1	.7021611	-.089283	.0863040
#2	.7072038	-.088463	.0898282
#3	.7004201	-.088979	.0865505

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3091.454	38783.47	2858.523	2664.142	2148.318
Stddev	5.863	127.80	17.275	18.007	7.348
%RSD	.1896676	.3295347	.6043189	.6758874	.3420256
#1	3087.021	38734.84	2878.446	2647.832	2141.901
#2	3089.238	38687.12	2849.403	2661.128	2146.720
#3	3098.103	38928.45	2847.719	2683.465	2156.334

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-03 Acquired: 12/18/2024 21:16:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL50 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1560065	-.069620	.9428626	.0984655	.0348413	70.70744	1.070402
Stddev	.0017467	.001329	.0055866	.0014977	.0004221	.32487	.006707
%RSD	1.119655	1.909240	.5925138	1.521082	1.211427	.4594562	.6265876
#1	.1578698	-.068203	.9395458	.0967504	.0343594	70.92082	1.075513
#2	.1557434	-.069817	.9397294	.0991306	.0350194	70.86795	1.072887
#3	.1544062	-.070840	.9493126	.0995156	.0351452	70.33356	1.062808

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0090574	.0070146	41.93553	.1617167	.1218466	.2188583	191.2169
Stddev	.0000712	.0001624	.24574	.0008337	.0007792	.0055191	.8023
%RSD	.7864280	2.314879	.5859857	.5155048	.6394684	2.521775	.4195516
#1	.0090046	.0069450	42.04531	.1626706	.1212720	.2205828	191.8052
#2	.0090292	.0068987	42.10723	.1613517	.1215345	.2126828	191.5424
#3	.0091384	.0072002	41.65404	.1611278	.1227335	.2233092	190.3030

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.17367	22.38960	.1810495	.0077447	1.437508	.2016839	.6025388
Stddev	.06172	.10512	.0008611	.0004177	.438374	.0040194	.0029957
%RSD	.6066702	.4694860	.4756263	5.393988	30.49540	1.992930	.4971793
#1	10.20796	22.50608	.1812381	.0078366	1.480703	.2002800	.6059054
#2	10.21063	22.36088	.1801097	.0072886	.979135	.1985548	.6015440
#3	10.10241	22.30182	.1818006	.0081088	1.852684	.2062170	.6001671

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.530837	6.305809	.0178699	.0121167	3.504025	7.993659	.0545664
Stddev	.077563	.043602	.0017416	.0006202	.020686	.016669	.0009514
%RSD	1.029934	.6914590	9.746075	5.118464	.5903411	.2085272	1.743576
#1	7.539127	6.279125	.0167568	.0114009	3.491765	7.993347	.0553333
#2	7.449462	6.282176	.0198769	.0124549	3.492403	7.977148	.0548642
#3	7.603922	6.356125	.0169759	.0124942	3.527908	8.010481	.0535018

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-03 Acquired: 12/18/2024 21:16:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL50 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7914004	-.105739	.1004310
Stddev	.0046099	.000276	.0068595
%RSD	.5825017	.2605820	6.830037
#1	.7918171	-.105905	.1056532
#2	.7957878	-.105892	.1029773
#3	.7865963	-.105421	.0926625

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3130.149	39309.94	2919.829	2710.735	2133.563
Stddev	10.391	15.90	2.731	4.986	7.284
%RSD	.3319552	.0404585	.0935258	.1839525	.3413848
#1	3142.146	39302.09	2920.851	2715.396	2141.200
#2	3124.240	39299.50	2921.902	2705.477	2132.796
#3	3124.060	39328.25	2916.735	2711.330	2126.693

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-04 Acquired: 12/18/2024 21:20:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL51 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0896052	-.040099	.3565677	.0562260	.0188556	53.33233	.7716516
Stddev	.0038341	.001170	.0022317	.0027999	.0023046	.21195	.0034578
%RSD	4.278922	2.917810	.6258963	4.979735	12.22210	.3974157	.4481045
#1	.0940270	-.039333	.3561828	.0579629	.0208718	53.14188	.7680085
#2	.0872031	-.039518	.3589669	.0529960	.0193516	53.29443	.7720581
#3	.0875856	-.041446	.3545534	.0577191	.0163435	53.56067	.7748882

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0068197	.0038704	229.3303	.0884884	.1104920	.1566058	152.4706
Stddev	.0000316	.0000817	.7367	.0006143	.0005824	.0062182	.5726
%RSD	.4632367	2.112153	.3212274	.6942000	.5270868	3.970611	.3755652
#1	.0068482	.0037804	229.0654	.0886783	.1101507	.1496355	152.2748
#2	.0068250	.0038908	228.7627	.0878016	.1101609	.1615832	152.0216
#3	.0067857	.0039400	230.1628	.0889853	.1111645	.1585988	153.1154

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.565635	47.89721	.1210953	.0053802	.9424678	.1520225	.4163239
Stddev	.032536	.36364	.0011293	.0001201	.6663542	.0077689	.0158097
%RSD	.4300455	.7591997	.9325619	2.232988	70.70313	5.110364	3.797439
#1	7.544312	47.79628	.1201390	.0054563	1.111865	.1473313	.4286932
#2	7.549510	47.59471	.1208058	.0052417	.207764	.1477461	.3985119
#3	7.603084	48.30065	.1223412	.0054426	1.507775	.1609901	.4217666

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.227607	3.947972	.0113792	.0044584	1.414352	7.828475	.0401200
Stddev	.151984	.020251	.0006934	.0003660	.003915	.064973	.0013671
%RSD	2.440484	.5129418	6.093498	8.208884	.2768346	.8299522	3.407511
#1	6.107102	3.939508	.0119893	.0044697	1.418402	7.887987	.0386713
#2	6.398349	3.933327	.0115232	.0048186	1.414067	7.759156	.0413875
#3	6.177370	3.971082	.0106251	.0040869	1.410587	7.838280	.0403012

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-04 Acquired: 12/18/2024 21:20:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL51 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9406796	.0793052	.0812358
Stddev	.0026884	.0009690	.0032448
%RSD	.2857970	1.221874	3.994316
#1	.9382282	.0782376	.0774945
#2	.9435548	.0795489	.0829310
#3	.9402558	.0801291	.0832819

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2866.259	35905.30	2704.648	2471.471	2020.955
Stddev	7.115	97.16	18.394	7.159	.603
%RSD	.2482187	.2706084	.6800713	.2896635	.0298378
#1	2864.480	35919.13	2687.410	2472.085	2020.969
#2	2860.204	35801.96	2724.012	2464.025	2020.344
#3	2874.095	35994.80	2702.521	2478.303	2021.550

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-05 Acquired: 12/18/2024 21:24:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL52 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0838054	-.028328	.2681094	.0406879	.0127284	48.21473
Stddev	.0051531	.002439	.0051992	.0016868	.0030656	.17497
%RSD	6.148870	8.609471	1.939192	4.145631	24.08499	.3629021
#1	.0817114	-.030421	.2630083	.0403712	.0091936	48.03865
#2	.0800290	-.028915	.2679186	.0391819	.0143311	48.38857
#3	.0896759	-.025650	.2734013	.0425106	.0146604	48.21698

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7469356	.0068661	.0031563	F 870.6101	.0769051	.1262857
Stddev	.0023251	.0002098	.0000959	2.7760	.0010401	.0006881
%RSD	.3112901	3.055392	3.037179	.3188581	1.352404	.5448559
#1	.7443481	.0069022	.0032545	868.1541	.0780185	.1260018
#2	.7476087	.0070554	.0030630	873.6220	.0767381	.1270703
#3	.7488499	.0066406	.0031515	870.0542	.0759586	.1257850

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1743466	146.9438	5.625086	73.23770	.1269508	.0065832
Stddev	.0084803	.7178	.015562	.17895	.0004489	.0010442
%RSD	4.864020	.4884663	.2766578	.2443346	.3536119	15.86121
#1	.1784918	146.5066	5.607217	73.15654	.1269390	.0077885
#2	.1799570	147.7722	5.635661	73.44284	.1265080	.0060073
#3	.1645911	146.5527	5.632381	73.11372	.1274055	.0059538

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.033408	.1212456	.3126507	7.640841	4.124189	.0429178
Stddev	.285992	.0072775	.0066384	.200399	.006558	.0009468
%RSD	27.67465	6.002287	2.123263	2.622737	.1590034	2.206104
#1	.846185	.1168967	.3174991	7.509962	4.117020	.0433812
#2	.891429	.1171930	.3153682	7.871546	4.129885	.0418285
#3	1.362608	.1296472	.3050847	7.541015	4.125661	.0435437

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-05 Acquired: 12/18/2024 21:24:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL52 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004297	1.786638	7.113880	.0335161	.3594777	.6919282
Stddev	.0003927	.007302	.039540	.0028614	.0035843	.0002304
%RSD	91.39084	.4087099	.5558189	8.537272	.9970979	.0333030
#1	.0002364	1.784205	7.097165	.0329047	.3561052	.6916998
#2	.0001712	1.794846	7.159033	.0366338	.3632417	.6921606
#3	.0008816	1.780862	7.085442	.0310099	.3590862	.6919243

Elem	Li6707
Units	ppm
Avg	.0955526
Stddev	.0038896
%RSD	4.070640
#1	.0947489
#2	.0997812
#3	.0921276

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2702.115	33653.47	2627.788	2320.566	1880.767
Stddev	8.498	196.20	7.796	20.151	7.361
%RSD	.3144821	.5830076	.2966730	.8683598	.3913961
#1	2711.459	33426.92	2625.376	2297.390	1887.670
#2	2700.037	33767.11	2621.484	2330.367	1881.612
#3	2694.850	33766.39	2636.505	2333.943	1873.020

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-06 Acquired: 12/18/2024 21:27:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL52D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0778221	-.030054	.2664165	.0384088	.0121229	47.93916
Stddev	.0015404	.003577	.0034739	.0002272	.0038366	.11595
%RSD	1.979434	11.90170	1.303925	.5914704	31.64753	.2418790
#1	.0786820	-.033125	.2669826	.0383858	.0145420	47.81352
#2	.0760437	-.026127	.2695726	.0381940	.0076992	47.96188
#3	.0787406	-.030911	.2626944	.0386466	.0141273	48.04207

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7432243	.0068138	.0030101	F 859.7518	.0755489	.1247056
Stddev	.0023260	.0001786	.0001068	2.6803	.0007910	.0006863
%RSD	.3129610	2.621050	3.547024	.3117541	1.047034	.5503498
#1	.7406165	.0066259	.0030439	856.6591	.0759871	.1243887
#2	.7450849	.0069813	.0028905	861.1941	.0746357	.1242351
#3	.7439715	.0068344	.0030958	861.4020	.0760238	.1254931

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1704848	145.9666	5.613161	73.03693	.1253982	.0055127
Stddev	.0056574	.8538	.029680	.17698	.0005555	.0006312
%RSD	3.318411	.5849181	.5287604	.2423147	.4429950	11.44944
#1	.1675363	145.0703	5.579881	72.83388	.1259931	.0058933
#2	.1669108	146.0592	5.622714	73.11844	.1253086	.0047841
#3	.1770075	146.7703	5.636888	73.15847	.1248929	.0058606

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.497699	.1248346	.3186266	7.773096	4.046940	.0424040
Stddev	.414026	.0031509	.0065353	.096320	.010534	.0045917
%RSD	27.64413	2.524045	2.051082	1.239143	.2602902	10.82837
#1	1.230578	.1255400	.3139801	7.662125	4.044154	.0377618
#2	1.287891	.1213908	.3158003	7.822141	4.038080	.0425069
#3	1.974628	.1275730	.3260993	7.835023	4.058587	.0469434

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-06 Acquired: 12/18/2024 21:27:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL52D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000317	1.745604	7.117088	.0352412	.3613104	.6893312
Stddev	.000311	.006682	.053091	.0023903	.0035469	.0051370
%RSD	98.12449	.3827764	.7459612	6.782567	.9816748	.7452178
#1	-.000662	1.752174	7.159497	.0356805	.3595296	.6839159
#2	-.000232	1.738816	7.057546	.0373814	.3653949	.6899425
#3	-.000058	1.745821	7.134221	.0326618	.3590067	.6941352

Elem	Li6707
Units	ppm
Avg	.0946079
Stddev	.0033133
%RSD	3.502104
#1	.0970531
#2	.0908371
#3	.0959335

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2703.052	33978.31	2611.629	2325.988	1891.788
Stddev	9.815	185.32	7.917	4.922	6.691
%RSD	.3630936	.5454066	.3031260	.2116175	.3537060
#1	2691.829	34023.73	2602.683	2331.537	1884.869
#2	2710.025	33774.50	2614.474	2322.150	1898.226
#3	2707.304	34136.70	2617.730	2324.277	1892.270

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-05LX5 Acquired: 12/18/2024 21:31:46 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL52L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0141886	.0143374	.0626163	-.011783	-.008471	11.44550	.1754313
Stddev	.0046277	.0017245	.0024332	.001129	.002051	.11054	.0006892
%RSD	32.61563	12.02789	3.885839	9.582125	24.21185	.9658182	.3928425
#1	.0105252	.0137669	.0623420	-.012418	-.010159	11.33120	.1752877
#2	.0126513	.0129705	.0651750	-.010480	-.009064	11.55185	.1761809
#3	.0193893	.0162749	.0603320	-.012452	-.006188	11.45347	.1748251

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015631	.0004793	204.6673	.0194878	.0553153	.0423959	35.35772
Stddev	.0000846	.0000464	1.0555	.0005894	.0002379	.0002574	.37831
%RSD	5.412236	9.691453	.5156938	3.024339	.4301499	.6070771	1.069955
#1	.0016159	.0005093	203.6513	.0200771	.0555756	.0426267	35.01064
#2	.0014655	.0004258	205.7582	.0188984	.0552611	.0424427	35.76098
#3	.0016080	.0005028	204.5923	.0194879	.0551091	.0421183	35.30154

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.367742	17.82828	.0231138	.0012877	.9616575	.0356123	.0835365
Stddev	.011264	.26043	.0006761	.0007303	.2518861	.0036310	.0113238
%RSD	.8235580	1.460793	2.924976	56.70999	26.19291	10.19590	13.55548
#1	1.355719	17.58464	.0232019	.0008025	1.247628	.0329481	.0888790
#2	1.378050	18.10276	.0223980	.0009331	.864629	.0341408	.0912007
#3	1.369458	17.79743	.0237415	.0021276	.772715	.0397481	.0705298

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.882164	.7999221	.0093412	.0016825	.3640802	1.876346	.0095285
Stddev	.073797	.0034883	.0005000	.0000386	.0079984	.015665	.0004354
%RSD	3.920837	.4360846	5.352313	2.295724	2.196870	.8348779	4.569301
#1	1.821787	.7994952	.0098261	.0016986	.3720094	1.863606	.0097616
#2	1.964428	.7966669	.0088274	.0016385	.3560144	1.893837	.0090262
#3	1.860275	.8036043	.0093701	.0017106	.3642170	1.871595	.0097977

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-05LX5 Acquired: 12/18/2024 21:31:46 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL52L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0934606	.1630230	.0320578
Stddev	.0020743	.0008569	.0036236
%RSD	2.219400	.5256346	11.30323
#1	.0958345	.1620441	.0283766
#2	.0925494	.1633879	.0356208
#3	.0919979	.1636371	.0321761

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2424.739	30559.30	2262.770	2089.024	2039.204
Stddev	5.131	65.45	24.249	3.342	3.491
%RSD	.2115917	.2141594	1.071650	.1599849	.1711855
#1	2429.157	30616.34	2287.935	2092.883	2043.089
#2	2425.949	30573.71	2239.554	2087.129	2038.196
#3	2419.112	30487.85	2260.821	2087.060	2036.329

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-07 Acquired: 12/18/2024 21:35:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL52S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1538552	.0575422	.3056005	.1810835	.1690160	52.02193
Stddev	.0041895	.0018857	.0061360	.0020098	.0027461	.99025
%RSD	2.723024	3.277067	2.007860	1.109898	1.624741	1.903527
#1	.1561461	.0579579	.3003764	.1806379	.1672901	51.22479
#2	.1490198	.0591854	.3040673	.1793339	.1675752	51.71054
#3	.1563998	.0554834	.3123577	.1832788	.1721826	53.13045

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.159381	.0922803	.0977619	F 866.4709	.4129083	1.076427
Stddev	.076708	.0024514	.0002535	15.2646	.0013055	.000956
%RSD	1.844219	2.656479	.2592820	1.761704	.3161783	.0888143
#1	4.101472	.0906038	.0980039	853.8725	.4139936	1.076688
#2	4.130292	.0911435	.0974983	862.0944	.4132717	1.075367
#3	4.246379	.0950938	.0977835	883.4457	.4114596	1.077225

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5663268	148.8006	6.500165	73.72796	1.090872	.0696791
Stddev	.0169513	2.9589	.128766	1.36353	.001083	.0004333
%RSD	2.993200	1.988467	1.980958	1.849404	.0992449	.6218850
#1	.5493648	146.2619	6.396363	72.68030	1.091946	.0699468
#2	.5663484	148.0898	6.459874	73.23395	1.089781	.0699113
#3	.5832673	152.0502	6.644258	75.26964	1.090889	.0691791

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8820447	.9924690	1.073980	7.982130	4.042047	.0470884
Stddev	.7889541	.0165921	.014300	.083789	.002067	.0008020
%RSD	89.44604	1.671795	1.331465	1.049712	.0511421	1.703248
#1	1.055433	.9740452	1.081323	7.889747	4.041945	.0469558
#2	.020818	.9971290	1.083117	8.003429	4.040032	.0463609
#3	1.569884	1.006233	1.057501	8.053214	4.044163	.0479484

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-07 Acquired: 12/18/2024 21:35:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL52S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005720	1.746014	7.284080	.0346546	.3683065	.6938231
Stddev	.0008809	.010988	.162363	.0004948	.0058334	.0136056
%RSD	154.0102	.6293035	2.229008	1.427749	1.583842	1.960966
#1	.0012320	1.754285	7.165766	.0341180	.3618599	.6838646
#2	-.000428	1.733547	7.217288	.0350928	.3698387	.6882793
#3	.000912	1.750212	7.469185	.0347531	.3732208	.7093254

Elem	Li6707
Units	ppm
Avg	.0982492
Stddev	.0041006
%RSD	4.173639
#1	.0942612
#2	.0980328
#3	.1024537

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2667.442	33468.79	2555.108	2283.361	1873.706
Stddev	5.244	210.80	43.385	12.680	6.205
%RSD	.1966002	.6298455	1.697967	.5553325	.3311855
#1	2661.952	33284.85	2585.759	2268.773	1869.210
#2	2672.399	33422.70	2574.100	2289.560	1880.786
#3	2667.975	33698.82	2505.466	2291.748	1871.122

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-08 Acquired: 12/18/2024 21:39:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL53 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0764353	-.033923	.2747230	.0447045	.0131897	60.61027
Stddev	.0064109	.004252	.0018320	.0018025	.0027366	.19181
%RSD	8.387290	12.53559	.6668677	4.031960	20.74824	.3164578
#1	.0803509	-.034496	.2753894	.0463571	.0110250	60.40648
#2	.0690370	-.029413	.2726510	.0427825	.0162657	60.63706
#3	.0799182	-.037859	.2761286	.0449739	.0122784	60.78728

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7024118	.0074900	.0033423	F 810.8338	.0961798	.1248440
Stddev	.0022161	.0000453	.0000767	2.3535	.0002821	.0003262
%RSD	.3154929	.6052411	2.294717	.2902595	.2933273	.2612690
#1	.6998539	.0074377	.0032614	808.6410	.0963603	.1244680
#2	.7036307	.0075134	.0034139	810.5399	.0963244	.1250511
#3	.7037509	.0075188	.0033517	813.3204	.0958547	.1250128

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1667298	154.8689	5.753160	74.39154	.1424662	.0051554
Stddev	.0050951	.3908	.007909	.24792	.0006124	.0006211
%RSD	3.055914	.2523684	.1374713	.3332668	.4298558	12.04811
#1	.1610895	154.4738	5.744049	74.11640	.1417688	.0045279
#2	.1709992	154.8776	5.757166	74.46063	.1427139	.0051684
#3	.1681008	155.2553	5.758264	74.59758	.1429160	.0057700

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.719930	.1528778	.3999719	9.137333	6.529744	.0519839
Stddev	.262696	.0064738	.0058399	.077831	.008563	.0016084
%RSD	15.27364	4.234595	1.460077	.8517869	.1311437	3.094115
#1	1.687696	.1540453	.4040256	9.218401	6.524836	.0533848
#2	1.997256	.1458998	.4026121	9.063205	6.524765	.0523395
#3	1.474839	.1586884	.3932782	9.130391	6.539632	.0502274

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-08 Acquired: 12/18/2024 21:39:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL53 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001461	1.786726	6.488145	.0407137	.3977302	.8406735
Stddev	.0004814	.008560	.008493	.0009871	.0010236	.0019609
%RSD	329.5378	.4790646	.1309007	2.424571	.2573594	.2332553
#1	-.000064	1.777880	6.480385	.0414150	.3967371	.8387522
#2	-.000195	1.794967	6.497218	.0411412	.3987818	.8405965
#3	.000697	1.787332	6.486831	.0395848	.3976716	.8426717

Elem	Li6707
Units	ppm
Avg	.1183793
Stddev	.0046664
%RSD	3.941900
#1	.1139386
#2	.1232426
#3	.1179567

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2839.016	35625.36	2731.318	2440.255	1908.726
Stddev	3.371	28.26	8.441	6.155	1.860
%RSD	.1187346	.0793136	.3090295	.2522447	.0974530
#1	2840.203	35647.65	2741.058	2441.005	1907.955
#2	2841.632	35634.85	2726.145	2433.759	1910.848
#3	2835.211	35593.58	2726.751	2446.001	1907.376

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-09 Acquired: 12/18/2024 21:43:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL54 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0382333	.0019599	.2102504	.0089941	-.001067	42.96138
Stddev	.0071673	.0023598	.0037821	.0021180	.002999	.11302
%RSD	18.74620	120.4037	1.798873	23.54845	281.1931	.2630707
#1	.0305472	.0045775	.2143240	.0078773	-.002197	42.85402
#2	.0447340	.0013065	.2068501	.0114368	-.003337	43.07931
#3	.0394185	-.000004	.2095773	.0076684	.002334	42.95080

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5405658	.0048981	.0022393	F 1155.415	.0678053	.1042289
Stddev	.0025556	.0001444	.0001217	10.499	.0009765	.0005507
%RSD	.4727588	2.947611	5.434259	.9087009	1.440162	.5283811
#1	.5379484	.0050647	.0022444	1167.490	.0689323	.1048550
#2	.5430547	.0048117	.0023584	1148.440	.0672121	.1040121
#3	.5406943	.0048177	.0021152	1150.314	.0672714	.1038195

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1383172	101.7381	5.655806	339.2097	.0973444	.0037997
Stddev	.0095730	.2907	.005433	.7977	.0007737	.0011081
%RSD	6.921042	.2857074	.0960671	.2351547	.7948013	29.16359
#1	.1272667	101.6216	5.652149	338.9718	.0969573	.0050533
#2	.1436042	102.0689	5.662049	340.0993	.0968406	.0033950
#3	.1440806	101.5237	5.653219	338.5581	.0982353	.0029508

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.379348	.1047168	.3517323	5.662341	4.828938	.0594815
Stddev	.104329	.0035355	.0031816	.182104	.011287	.0030282
%RSD	4.384753	3.376284	.9045527	3.216049	.2337365	5.091035
#1	2.471230	.1080352	.3481029	5.867477	4.827558	.0562709
#2	2.265933	.1009982	.3530537	5.519759	4.818404	.0622864
#3	2.400880	.1051168	.3540402	5.599786	4.840852	.0598873

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-09 Acquired: 12/18/2024 21:43:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL54 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000372	1.818796	4.937821	.0208789	.1646267	.7209481
Stddev	.000214	.013450	.042875	.0032752	.0031825	.0010233
%RSD	57.46045	.7395111	.8683022	15.68637	1.933152	.1419440
#1	-.000246	1.825504	4.986082	.0171758	.1609911	.7205668
#2	-.000252	1.803311	4.923256	.0220657	.1669083	.7221074
#3	-.000619	1.827573	4.904126	.0233953	.1659807	.7201702

Elem	Li6707
Units	ppm
Avg	.0928040
Stddev	.0021919
%RSD	2.361906
#1	.0928176
#2	.0906052
#3	.0949891

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2649.727	33319.96	2584.536	2281.433	1867.813
Stddev	4.362	109.23	13.026	10.612	2.101
%RSD	.1646331	.3278216	.5039898	.4651480	.1124913
#1	2654.583	33323.60	2569.520	2289.620	1870.165
#2	2648.459	33427.33	2591.308	2285.236	1866.121
#3	2646.140	33208.96	2592.782	2269.444	1867.152

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-10 Acquired: 12/18/2024 21:47:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL55 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1794639	-.042115	.9646065	.1058893	.0353147	80.07939
Stddev	.0026168	.001411	.0050860	.0032283	.0019821	.13712
%RSD	1.458130	3.349650	.5272594	3.048734	5.612820	.1712250
#1	.1775337	-.041593	.9676133	.1040568	.0372394	80.05508
#2	.1784158	-.043712	.9587343	.1039943	.0332797	79.95605
#3	.1824423	-.041040	.9674718	.1096168	.0354251	80.22703

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.673603	.0088112	.0122326	106.2198	.1397690	.1574861
Stddev	.002599	.0001123	.0001645	.3398	.0008831	.0011149
%RSD	.1553225	1.275083	1.345045	.3199299	.6317900	.7079069
#1	1.671387	.0088624	.0121233	106.2111	.1407605	.1586103
#2	1.672958	.0086824	.0121526	105.8844	.1390671	.1563808
#3	1.676464	.0088889	.0124218	106.5639	.1394793	.1574673

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2469618	205.0859	22.39786	33.41377	.2802906	.0114040
Stddev	.0030202	.3976	.01554	.04995	.0009447	.0002366
%RSD	1.222944	.1938572	.0693675	.1494826	.3370545	2.075058
#1	.2490749	205.0370	22.38500	33.37425	.2813253	.0112708
#2	.2483077	204.7150	22.39345	33.39716	.2800728	.0116772
#3	.2435026	205.5056	22.41513	33.46991	.2794739	.0112640

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.639542	.2040465	.8406503	9.420462	F 15.26501	.0262993
Stddev	.110669	.0031208	.0107336	.144475	.06243	.0024777
%RSD	6.749988	1.529447	1.276824	1.533634	.4090039	9.421085
#1	1.692812	.2048993	.8420689	9.315677	15.32603	.0241676
#2	1.713502	.2005880	.8506040	9.585275	15.20125	.0257127
#3	1.512312	.2066523	.8292779	9.360436	15.26775	.0290176

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-10 Acquired: 12/18/2024 21:47:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL55 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0069179	5.755070	7.944062	.0675999	.9152990	-.005319
Stddev	.0003094	.036202	.036762	.0010277	.0019914	.000385
%RSD	4.473058	.6290473	.4627573	1.520232	.2175731	7.233578
#1	.0065744	5.793217	7.983297	.0672624	.9132898	-.005757
#2	.0070043	5.721191	7.910412	.0667834	.9172722	-.005162
#3	.0071749	5.750802	7.938477	.0687538	.9153351	-.005037

Elem	Li6707
Units	ppm
Avg	.1206874
Stddev	.0011056
%RSD	.9161301
#1	.1205193
#2	.1218674
#3	.1196753

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3372.692	42060.29	3144.211	2913.255	2079.582
Stddev	10.020	143.96	12.965	4.921	9.053
%RSD	.2971034	.3422597	.4123403	.1689068	.4353504
#1	3366.066	42092.88	3137.144	2908.167	2070.910
#2	3384.220	42185.17	3159.173	2917.989	2088.974
#3	3367.789	41902.84	3136.315	2913.610	2078.862

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCV062 Acquired: 12/18/2024 21:51:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV062 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.823702	4.754968	24.76317	5.285726	5.382351	409.5334	10.36718
Stddev	.011355	.017058	.05279	.013140	.011499	7.1784	.18262
%RSD	.2353956	.3587378	.2131858	.2486024	.2136495	1.752832	1.761511
#1	4.828358	4.773131	24.82011	5.292355	5.392203	404.0221	10.22763
#2	4.810759	4.752484	24.71585	5.270591	5.369715	406.9272	10.30004
#3	4.831989	4.739287	24.75354	5.294231	5.385136	417.6509	10.57386

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5236840	2.474495	410.8678	15.36120	2.479022	15.33149	416.4786
Stddev	.0085820	.004397	6.9648	.03014	.004432	.25703	6.9596
%RSD	1.638779	.1776901	1.695150	.1961846	.1787742	1.676478	1.671054
#1	.5167143	2.479440	405.5126	15.34049	2.483990	15.12380	411.4090
#2	.5210682	2.471026	408.3492	15.39577	2.475474	15.25171	413.6133
#3	.5332695	2.473018	418.7416	15.34735	2.477602	15.61894	424.4134

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.71775	413.3201	2.477517	1.286811	413.0013	2.557003	14.68150
Stddev	.27786	6.8828	.004333	.003991	7.3681	.040014	.03790
%RSD	1.767806	1.665245	.1749111	.3101316	1.784044	1.564887	.2581726
#1	15.52194	407.8818	2.482519	1.282423	406.3445	2.518470	14.65100
#2	15.59555	411.0201	2.475154	1.290224	411.7411	2.554188	14.72393
#3	16.03577	421.0584	2.474880	1.287786	420.9182	2.598350	14.66957

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	154.3915	4.959584	4.966855	4.851725	5.055650	4.870803	4.992681
Stddev	2.8161	.019098	.090284	.005302	.003918	.087123	.018455
%RSD	1.823983	.3850634	1.817726	.1092882	.0775043	1.788670	.3696348
#1	151.9234	4.979096	4.892639	4.857452	5.059099	4.806719	5.009892
#2	153.7921	4.940930	4.940557	4.846986	5.056461	4.835687	4.973194
#3	157.4590	4.958726	5.067368	4.850738	5.051390	4.970003	4.994959

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCV062 Acquired: 12/18/2024 21:51:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV062 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.156459	4.918841	5.243250
Stddev	.082817	.078966	.091916
%RSD	1.606082	1.605376	1.753027
#1	5.090739	4.858986	5.172642
#2	5.129158	4.889199	5.209930
#3	5.249480	5.008339	5.347179

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2077.286	27104.39	2130.159	1768.293	1778.854
Stddev	4.045	12.31	37.030	6.485	3.337
%RSD	.1947081	.0454141	1.738380	.3667631	.1875761
#1	2078.262	27118.14	2155.189	1772.366	1778.602
#2	2072.842	27094.38	2147.667	1760.814	1775.651
#3	2080.753	27100.67	2087.622	1771.698	1782.310

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCB062 Acquired: 12/18/2024 21:54:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB062 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013210	.0012829	.0015335	.0012476	-.002097	.0128399
Stddev	.0043553	.0024864	.0026964	.0018747	.000395	.0051098
%RSD	329.6939	193.8175	175.8279	150.2622	18.85443	39.79636
#1	.0033516	.0012809	-.000014	-.000917	-.001710	.0082862
#2	.0042902	.0037703	.004647	.002311	-.002500	.0183660
#3	-.003679	-.001203	-.000032	.002349	-.002080	.0118673

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012002	-.000118	-.000008	.0266312	.0015395	-.000407
Stddev	.0006104	.000168	.000052	.0346862	.0002618	.000211
%RSD	50.86155	142.1836	684.8023	130.2463	17.00358	51.84300
#1	.0006780	.000068	-.000067	.0628913	.0015339	-.000430
#2	.0018713	-.000163	.000030	.0232335	.0018041	-.000606
#3	.0010512	-.000260	.000014	-.006231	.0012806	-.000185

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017266	.0448455	.0032634	-.017962	-.000242	-.000247
Stddev	.0043183	.0305581	.0011452	.057190	.000159	.000585
%RSD	250.1077	68.14083	35.09139	318.3886	65.82821	236.8607
#1	-.001357	.0549666	.0034857	-.048950	-.000287	.000069
#2	.006662	.0690591	.0020234	.048034	-.000065	-.000921
#3	-.000125	.0105109	.0042812	-.052972	-.000373	.000112

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.400757	.0018965	.0063250	.5053505	.0005801	.0076241
Stddev	.242261	.0047666	.0024666	.0523211	.0015293	.0014052
%RSD	17.29504	251.3433	38.99824	10.35343	263.6341	18.43111
#1	1.571282	-.000080	.0047944	.4505989	.0020290	.0076626
#2	1.123449	-.001564	.0050101	.5548442	.0007298	.0090097
#3	1.507540	.007333	.0091705	.5106083	-.001019	.0062001

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCB062 Acquired: 12/18/2024 21:54:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB062 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002973	-.001148	-.001549	.0012178	-.001018	.0006080
Stddev	.0000807	.002343	.001173	.0009669	.001167	.0001699
%RSD	27.14253	204.0030	75.71048	79.39760	114.7212	27.94796
#1	.0003904	.000948	-.001598	.0023242	-.001881	.0008039
#2	.0002479	-.000716	-.000353	.0005355	-.001482	.0005179
#3	.0002536	-.003678	-.002696	.0007935	.000311	.0005020

Elem	Li6707
Units	ppm
Avg	F .0180017
Stddev	.0049369
%RSD	27.42473
#1	.0190669
#2	.0126191
#3	.0223190

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2403.846	30180.98	2196.430	2065.475	2171.790
Stddev	5.526	87.48	8.004	17.905	6.044
%RSD	.2298860	.2898352	.3644309	.8668524	.2783119
#1	2409.051	30131.33	2202.865	2045.096	2176.554
#2	2398.046	30129.62	2198.958	2072.648	2164.991
#3	2404.440	30281.98	2187.467	2078.681	2173.825

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-11 Acquired: 12/18/2024 21:58:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL60 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0507046	-.014886	.1983452	.0253215	.0029552	31.04856
Stddev	.0107494	.004592	.0018346	.0040015	.0037119	.02856
%RSD	21.20008	30.84779	.9249360	15.80258	125.6042	.0919966
#1	.0630610	-.013698	.2003206	.0289056	.0010153	31.04394
#2	.0435067	-.011004	.1980200	.0210041	.0006153	31.02259
#3	.0455462	-.019955	.1966950	.0260546	.0072351	31.07915

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3031736	.0041931	.0026867	F 1017.545	.0558286	.1013466
Stddev	.0009689	.0000802	.0000839	.749	.0002895	.0007651
%RSD	.3195912	1.911883	3.121422	.0736002	.5185214	.7549033
#1	.3035337	.0041114	.0026473	1016.681	.0559626	.1016679
#2	.3020762	.0041960	.0026299	1018.007	.0554964	.1004733
#3	.3039110	.0042717	.0027831	1017.948	.0560268	.1018987

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1543713	120.3717	6.310648	246.7254	.0847482	.0034395
Stddev	.0068368	.2028	.008483	.9764	.0006236	.0012800
%RSD	4.428832	.1684647	.1344249	.3957550	.7357862	37.21488
#1	.1519409	120.2996	6.316376	247.0084	.0850571	.0021372
#2	.1620912	120.2148	6.300903	245.6388	.0840305	.0046960
#3	.1490817	120.6007	6.314665	247.5291	.0851570	.0034854

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.651592	.1207459	.4137984	1.968021	5.447195	.0207268
Stddev	.076407	.0028516	.0013277	.092911	.007608	.0022592
%RSD	4.626260	2.361617	.3208516	4.721058	.1396603	10.89982
#1	1.732408	.1225866	.4123265	1.961926	5.449659	.0228336
#2	1.580531	.1221899	.4149057	2.063829	5.438660	.0183411
#3	1.641838	.1174611	.4141630	1.878307	5.453265	.0210058

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-11 Acquired: 12/18/2024 21:58:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL60 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008427	1.226007	3.318094	.0212177	.3548590	.7307963
Stddev	.0010223	.003355	.021190	.0013002	.0007717	.0031524
%RSD	121.3233	.2736655	.6386147	6.127709	.2174696	.4313642
#1	-.000253	1.229206	3.304584	.0197184	.3540464	.7305946
#2	.001010	1.222515	3.307182	.0220341	.3555820	.7277496
#3	.001771	1.226299	3.342516	.0219006	.3549485	.7340447

Elem	Li6707
Units	ppm
Avg	.0792990
Stddev	.0024150
%RSD	3.045441
#1	.0766288
#2	.0799376
#3	.0813305

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2654.084	33409.45	2553.839	2288.915	1885.928
Stddev	3.932	68.32	7.067	5.582	3.777
%RSD	.1481336	.2044787	.2767383	.2438742	.2002596
#1	2655.212	33382.77	2557.307	2282.644	1881.951
#2	2657.329	33358.51	2558.503	2293.342	1889.467
#3	2649.712	33487.08	2545.708	2290.759	1886.364

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-12 Acquired: 12/18/2024 22:02:37 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL61 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0814975	-.031413	.5146719	.0482261	.0144636	50.81247	.6306268
Stddev	.0073700	.002543	.0026634	.0019407	.0016355	1.31010	.0137516
%RSD	9.043176	8.094757	.5174948	4.024098	11.30736	2.578294	2.180629
#1	.0739253	-.030708	.5116393	.0497806	.0135452	51.59820	.6396228
#2	.0819202	-.034234	.5166313	.0488466	.0134938	51.53914	.6374607
#3	.0886470	-.029297	.5157450	.0460511	.0163518	49.30009	.6147970

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058179	.0043347	37.17009	.0755672	.0778247	.1642034	98.88808
Stddev	.0002612	.0001221	.98894	.0009249	.0006402	.0085343	2.33485
%RSD	4.489103	2.815552	2.660589	1.223975	.8226110	5.197426	2.361099
#1	.0061055	.0041994	37.73738	.0760922	.0783178	.1597734	100.1541
#2	.0057528	.0044364	37.74471	.0744992	.0771011	.1740419	100.3165
#3	.0055954	.0043682	36.02816	.0761101	.0780551	.1587950	96.1937

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.263972	15.05218	.0996609	.0030534	1.121599	.1113361	.5373815
Stddev	.137215	.49799	.0002225	.0004982	.446027	.0066203	.0074843
%RSD	2.190543	3.308419	.2232236	16.31743	39.76704	5.946270	1.392730
#1	6.340098	15.42269	.0998986	.0033350	.613505	.1107660	.5373761
#2	6.346249	15.24776	.0996264	.0033470	1.302709	.1182230	.5448684
#3	6.105570	14.48609	.0994577	.0024781	1.448584	.1050192	.5298999

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.094775	4.833757	.0152648	.0054724	2.996084	5.600916	.0105811
Stddev	.128803	.017637	.0044400	.0003857	.010725	.074187	.0020004
%RSD	3.145536	.3648666	29.08675	7.048109	.3579509	1.324550	18.90560
#1	4.173016	4.813637	.0177085	.0055773	2.984411	5.640751	.0126607
#2	4.165195	4.841089	.0179461	.0050451	2.998338	5.646675	.0104121
#3	3.946115	4.846545	.0101397	.0057949	3.005502	5.515320	.0086705

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-12 Acquired: 12/18/2024 22:02:37 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL61 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2844342	-.009591	.0580934
Stddev	.0093433	.000283	.0034200
%RSD	3.284866	2.948339	5.887009
#1	.2899271	-.009707	.0620228
#2	.2897293	-.009797	.0564690
#3	.2736461	-.009268	.0557884

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2888.482	36127.17	2675.665	2494.671	2204.856
Stddev	7.232	256.01	38.450	15.045	5.336
%RSD	.2503859	.7086241	1.437029	.6030666	.2419903
#1	2896.690	35838.34	2654.877	2477.818	2210.825
#2	2885.710	36217.07	2652.083	2499.446	2200.552
#3	2883.046	36326.10	2720.033	2506.748	2203.189

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-13 Acquired: 12/18/2024 22:06:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL62 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0617791	.0009047	1.086202	.0135578	.0014908	34.31939	.7926444
Stddev	.0073143	.0028376	.000719	.0059036	.0019766	.05796	.0043457
%RSD	11.83942	313.6601	.0661844	43.54410	132.5867	.1688912	.5482532
#1	.0620249	-.001849	1.086295	.0134671	.0037454	34.35369	.7944942
#2	.0689674	.003820	1.085442	.0077000	.0000556	34.25246	.7876798
#3	.0543450	.000743	1.086870	.0195062	.0006715	34.35201	.7957591

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038453	.0091095	513.7497	.0790914	.0861100	.1958586	82.83329
Stddev	.0001106	.0001215	1.5617	.0002881	.0008231	.0050340	.39741
%RSD	2.876376	1.333506	.3039757	.3642290	.9558968	2.570242	.4797678
#1	.0039628	.0089818	514.8232	.0793810	.0860453	.1900891	82.76733
#2	.0038299	.0092236	511.9582	.0790884	.0869635	.1981297	82.47299
#3	.0037431	.0091230	514.4678	.0788049	.0853211	.1993569	83.25955

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.673434	207.5935	.0962098	.0051359	2.143574	.0986353	1.039411
Stddev	.032140	.6753	.0006777	.0004771	.412241	.0026281	.027640
%RSD	.4188413	.3252776	.7044016	9.289631	19.23147	2.664459	2.659153
#1	7.675046	207.3103	.0955515	.0056465	2.019061	.1016604	1.018215
#2	7.640519	207.1060	.0969054	.0047015	2.603719	.0969140	1.070673
#3	7.704737	208.3643	.0961725	.0050595	1.807943	.0973314	1.029344

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.421716	6.533937	.0326471	.0040380	7.007335	4.961474	.0223823
Stddev	.142186	.028418	.0014705	.0004810	.042925	.047786	.0005971
%RSD	4.155390	.4349332	4.504123	11.91202	.6125774	.9631367	2.667558
#1	3.312648	6.503230	.0342292	.0038713	6.962201	4.992865	.0218253
#2	3.369973	6.539270	.0323901	.0045801	7.012160	4.906479	.0223089
#3	3.582528	6.559311	.0313222	.0036624	7.047644	4.985078	.0230127

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-13 Acquired: 12/18/2024 22:06:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL62 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3682298	.4108650	.0579974
Stddev	.0022124	.0008187	.0042708
%RSD	.6008210	.1992715	7.363811
#1	.3707261	.4108588	.0531581
#2	.3665116	.4100493	.0612391
#3	.3674517	.4116868	.0595951

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2578.818	32242.89	2462.815	2221.226	1967.554
Stddev	.934	205.71	12.679	9.738	1.587
%RSD	.0362166	.6379942	.5148162	.4384285	.0806364
#1	2579.712	32305.18	2450.870	2224.360	1968.699
#2	2577.849	32013.24	2476.118	2210.306	1968.219
#3	2578.895	32410.26	2461.455	2229.011	1965.743

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-14 Acquired: 12/18/2024 22:10:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL63 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1766241	-.036120	4.359279	.0793316	.0293771	63.49434
Stddev	.0025657	.002901	.008264	.0056635	.0004493	.21002
%RSD	1.452650	8.031387	.1895745	7.138991	1.529287	.3307764
#1	.1785085	-.039270	4.349773	.0733002	.0289519	63.56894
#2	.1737021	-.033559	4.364754	.0801582	.0293323	63.65689
#3	.1776617	-.035531	4.363309	.0845363	.0298471	63.25721

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.863020	.0077301	.0163111	208.2839	.1374584	.1319499
Stddev	.002512	.0000823	.0001501	.8144	.0008311	.0004643
%RSD	.1348209	1.064784	.9203027	.3910267	.6045898	.3518698
#1	1.862846	.0077064	.0162762	208.4828	.1373106	.1314197
#2	1.865614	.0076623	.0161815	208.9804	.1367112	.1322835
#3	1.860599	.0078217	.0164756	207.3884	.1383535	.1321465

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3935304	177.7927	16.15750	67.04726	.2159750	.0112617
Stddev	.0029189	.3768	.02577	.22761	.0022102	.0003850
%RSD	.7417080	.2119513	.1595015	.3394701	1.023370	3.418978
#1	.3912733	177.7445	16.16343	66.89368	.2165543	.0112483
#2	.3924914	178.1914	16.17979	67.30875	.2135328	.0116532
#3	.3968266	177.4424	16.12928	66.93935	.2178378	.0108835

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.628930	.1737757	1.622849	7.813110	F 10.12996	.0282415
Stddev	.456116	.0054082	.008031	.067977	.02027	.0008082
%RSD	28.00097	3.112168	.4948852	.8700425	.2001403	2.861633
#1	1.409436	.1689186	1.615109	7.840355	10.10657	.0282640
#2	1.324058	.1728049	1.631142	7.735737	10.14068	.0290382
#3	2.153296	.1796035	1.622295	7.863239	10.14261	.0274224

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-14 Acquired: 12/18/2024 22:10:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL63 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0084551	4.540747	6.938577	.2117888	.8724662	.1488624
Stddev	.0011464	.011921	.059815	.0014567	.0057310	.0002764
%RSD	13.55862	.2625427	.8620585	.6877945	.6568729	.1856995
#1	.0077818	4.533494	6.999311	.2116278	.8663923	.1489743
#2	.0097788	4.534241	6.936695	.2104194	.8732283	.1485476
#3	.0078048	4.554506	6.879726	.2133193	.8777780	.1490653

Elem	Li6707
Units	ppm
Avg	.1005302
Stddev	.0012692
%RSD	1.262548
#1	.1013974
#2	.1011197
#3	.0990734

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2897.002	36296.67	2733.162	2518.352	2027.766
Stddev	5.891	157.85	27.234	15.429	3.316
%RSD	.2033379	.4348998	.9964450	.6126486	.1635352
#1	2903.804	36117.03	2705.586	2500.537	2031.594
#2	2893.571	36413.24	2733.858	2527.333	2025.928
#3	2893.630	36359.74	2760.041	2527.188	2025.777

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-15 Acquired: 12/18/2024 22:14:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL64 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2649581	.0182043	3.768966	.1450093	.0441168	79.61812
Stddev	.0025077	.0037200	.001679	.0014755	.0031230	.19589
%RSD	.9464371	20.43484	.0445493	1.017495	7.078832	.2460346
#1	.2668019	.0155467	3.767040	.1463524	.0423328	79.40763
#2	.2659698	.0224557	3.770121	.1452454	.0477228	79.65165
#3	.2621026	.0166106	3.769738	.1434300	.0422947	79.79508

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.827038	.0051094	.0194806	144.3817	.1695595	.1845574
Stddev	.009160	.0000492	.0000601	.2216	.0000539	.0008344
%RSD	.3240035	.9628200	.3082519	.1534568	.0317793	.4521262
#1	2.816965	.0050826	.0194917	144.2837	.1696176	.1854916
#2	2.829280	.0050794	.0194158	144.6353	.1695498	.1838859
#3	2.834868	.0051662	.0195344	144.2260	.1695111	.1842947

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5133140	233.7037	F 66.33996	42.29151	.2658391	.0228653
Stddev	.0059927	.6134	.18876	.14771	.0006340	.0002427
%RSD	1.167445	.2624713	.2845399	.3492748	.2384763	1.061488
#1	.5187029	233.0196	66.15570	42.15841	.2665702	.0228176
#2	.5068603	233.8868	66.33127	42.26568	.2655057	.0231283
#3	.5143788	234.2047	66.53293	42.45044	.2654415	.0226499

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.711327	.2264111	6.774536	9.014928	F 12.50585	.0241473
Stddev	.414593	.0048790	.035948	.096001	.01814	.0038127
%RSD	24.22640	2.154919	.5306353	1.064915	.1450144	15.78920
#1	2.185125	.2242178	6.751454	8.910119	12.52488	.0256876
#2	1.415068	.2230137	6.756199	9.098598	12.48876	.0198054
#3	1.533787	.2320018	6.815954	9.036068	12.50391	.0269488

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-15 Acquired: 12/18/2024 22:14:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL64 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0067451	4.406122	7.043575	.3157937	.9453237	.0496585
Stddev	.0001466	.005674	.022992	.0026460	.0050551	.0005480
%RSD	2.173533	.1287836	.3264241	.8378728	.5347473	1.103447
#1	.0067402	4.406225	7.051314	.3130379	.9426017	.0490384
#2	.0068941	4.400397	7.061699	.3183141	.9422130	.0498595
#3	.0066010	4.411744	7.017712	.3160291	.9511565	.0500776

Elem	Li6707
Units	ppm
Avg	.1249303
Stddev	.0009293
%RSD	.7438378
#1	.1244200
#2	.1243680
#3	.1260029

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3132.150	39102.86	2936.129	2706.663	2045.072
Stddev	1.659	83.66	4.398	3.203	1.981
%RSD	.0529687	.2139462	.1497792	.1183414	.0968894
#1	3130.392	39142.17	2938.680	2710.354	2043.251
#2	3133.688	39159.63	2931.051	2705.025	2047.182
#3	3132.372	39006.79	2938.656	2704.610	2044.783

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-16 Acquired: 12/18/2024 22:17:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL65 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1473905	-.044775	1.362284	.0906728	.0326730	69.97346
Stddev	.0026282	.003046	.003111	.0027343	.0030118	.28367
%RSD	1.783172	6.803937	.2283546	3.015525	9.217885	.4053895
#1	.1481459	-.046236	1.358877	.0938287	.0334628	70.30090
#2	.1444673	-.041273	1.362999	.0891740	.0352111	69.81694
#3	.1495584	-.046815	1.364974	.0890156	.0293450	69.80253

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.956312	.0078618	.0112966	164.7364	.1141187	.1400709
Stddev	.007409	.0000355	.0001875	.8437	.0004813	.0013319
%RSD	.3787461	.4515263	1.659491	.5121309	.4217639	.9508718
#1	1.962138	.0079025	.0111897	165.6593	.1146706	.1389722
#2	1.958825	.0078373	.0115131	164.0048	.1137862	.1396883
#3	1.947973	.0078455	.0111871	164.5451	.1138992	.1415522

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2576118	193.1077	18.87435	34.43598	.1886872	.0105321
Stddev	.0051453	.3508	.05076	.08234	.0014255	.0002969
%RSD	1.997318	.1816546	.2689179	.2391241	.7554756	2.818662
#1	.2530163	193.3872	18.91100	34.49900	.1875786	.0106648
#2	.2566484	193.2217	18.89563	34.46612	.1881877	.0101921
#3	.2631708	192.7140	18.81642	34.34281	.1902952	.0107396

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.005291	.2488122	1.111877	6.119315	F 18.20761	.0260131
Stddev	.413261	.0059669	.021760	.071902	.03895	.0016011
%RSD	20.60851	2.398166	1.957093	1.174993	.2139449	6.154967
#1	1.824448	.2435628	1.123240	6.192211	18.16420	.0260362
#2	1.713278	.2553017	1.086787	6.048451	18.21910	.0244006
#3	2.478147	.2475721	1.125603	6.117284	18.23952	.0276025

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-16 Acquired: 12/18/2024 22:17:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL65 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065999	2.865774	6.828524	.1140192	.6703321	.0505792
Stddev	.0007515	.011664	.041563	.0010044	.0033873	.0003987
%RSD	11.38611	.4070190	.6086644	.8808825	.5053142	.7883385
#1	.0074662	2.854182	6.837399	.1138947	.6703421	.0502985
#2	.0061236	2.865631	6.864933	.1130829	.6737144	.0510357
#3	.0062100	2.877509	6.783241	.1150801	.6669398	.0504036

Elem	Li6707
Units	ppm
Avg	.1101175
Stddev	.0022262
%RSD	2.021661
#1	.1078309
#2	.1122780
#3	.1102436

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3117.522	39118.70	2928.653	2692.808	2079.060
Stddev	10.255	213.38	15.724	12.791	7.981
%RSD	.3289469	.5454674	.5369119	.4750130	.3838878
#1	3126.804	38917.64	2930.784	2684.162	2087.442
#2	3106.513	39342.57	2911.972	2707.502	2071.552
#3	3119.248	39095.89	2943.204	2686.761	2078.187

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-17 Acquired: 12/18/2024 22:21:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL66 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0621818	-.032028	.1846795	.0446636	.0155007	56.88985	.5360616
Stddev	.0071359	.004593	.0012315	.0039344	.0042195	.32642	.0018108
%RSD	11.47592	14.33974	.6668222	8.809047	27.22116	.5737800	.3378035
#1	.0703958	-.031064	.1845862	.0418764	.0203071	56.69460	.5360826
#2	.0575103	-.027993	.1859550	.0491642	.0137884	56.70827	.5342404
#3	.0586392	-.037025	.1834974	.0429502	.0124065	57.26669	.5378619

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062752	.0045173	744.1743	.0864211	.1322166	.1409256	153.0233
Stddev	.0001010	.0001606	4.4288	.0009787	.0004595	.0067217	1.2458
%RSD	1.610108	3.554569	.5951317	1.132480	.3475298	4.769671	.8140982
#1	.0062710	.0046977	742.3839	.0853817	.1325711	.1478886	152.4314
#2	.0061763	.0043901	740.9210	.0865567	.1323813	.1404136	152.1838
#3	.0063782	.0044641	749.2180	.0873249	.1316975	.1344746	154.4546

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.828033	133.5904	.1839040	.0035611	1.974705	.1497313	.6806920
Stddev	.035709	.9439	.0002607	.0004423	.403818	.0069107	.0114156
%RSD	.5229729	.7065337	.1417808	12.41930	20.44952	4.615411	1.677057
#1	6.811708	133.4220	.1837747	.0035284	2.250121	.1514090	.6911049
#2	6.803405	132.7421	.1837331	.0040189	2.162848	.1556486	.6684860
#3	6.868986	134.6072	.1842041	.0031362	1.511147	.1421361	.6824851

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.660927	6.690167	.0526207	.0018370	1.251916	6.452946	.0335646
Stddev	.044000	.031335	.0043147	.0004469	.001613	.080157	.0015493
%RSD	.5743436	.4683812	8.199551	24.32598	.1288414	1.242182	4.615878
#1	7.662938	6.670577	.0480808	.0018700	1.252132	6.449077	.0334164
#2	7.703887	6.673616	.0566678	.0022664	1.253409	6.374794	.0320948
#3	7.615956	6.726307	.0531135	.0013745	1.250205	6.534968	.0351827

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-17 Acquired: 12/18/2024 22:21:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL66 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9529025	.6347390	.1297817
Stddev	.0023747	.0026379	.0018524
%RSD	.2492113	.4155850	1.427343
#1	.9556446	.6332021	.1289179
#2	.9515470	.6332299	.1285190
#3	.9515160	.6377849	.1319083

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2724.188	34069.14	2613.693	2339.677	1885.464
Stddev	4.054	65.78	26.376	12.985	2.684
%RSD	.1488008	.1930799	1.009130	.5550052	.1423637
#1	2725.473	34054.98	2617.740	2341.947	1886.667
#2	2727.445	34011.60	2637.812	2325.706	1887.337
#3	2719.648	34140.85	2585.529	2351.377	1882.389

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-18 Acquired: 12/18/2024 22:25:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL67 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0527603	-.017952	.2574802	.0370448	.0099457	51.79116	.7490507
Stddev	.0048240	.004930	.0017864	.0032803	.0023924	.05154	.0026689
%RSD	9.143181	27.46018	.6937931	8.854881	24.05451	.0995159	.3562994
#1	.0583240	-.013629	.2556848	.0340167	.0109954	51.82455	.7513013
#2	.0497458	-.023321	.2574985	.0405294	.0072079	51.81714	.7497485
#3	.0502109	-.016906	.2592574	.0365884	.0116337	51.73180	.7461022

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051741	.0064750	714.6451	.0836030	.1211577	.1362273	136.9887
Stddev	.0000602	.0000925	.6201	.0005350	.0003051	.0023271	.2546
%RSD	1.163337	1.428310	.0867723	.6399489	.2518462	1.708244	.1858431
#1	.0052073	.0065542	714.3403	.0838093	.1214981	.1376158	136.8028
#2	.0051047	.0063734	715.3586	.0840043	.1209087	.1375255	136.8845
#3	.0052105	.0064976	714.2364	.0829956	.1210663	.1335408	137.2789

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.142292	102.0236	.1624148	.0044812	1.462097	.1263553	.5282921
Stddev	.024647	.2364	.0010530	.0006271	.228770	.0061883	.0076878
%RSD	.2695889	.2317288	.6483376	13.99335	15.64670	4.897546	1.455217
#1	9.170750	101.9540	.1633872	.0052021	1.203467	.1267328	.5322096
#2	9.128266	102.2870	.1612964	.0041790	1.544842	.1323463	.5194347
#3	9.127859	101.8297	.1625608	.0040624	1.637982	.1199869	.5332321

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.544731	5.720957	.0264104	.0024679	1.086541	6.243481	.0396173
Stddev	.159055	.009353	.0010197	.0009162	.007035	.018009	.0027720
%RSD	2.430270	.1634927	3.861094	37.12515	.6474539	.2884369	6.996956
#1	6.435982	5.729130	.0271945	.0034510	1.083737	6.258119	.0428007
#2	6.727280	5.710756	.0267791	.0023147	1.081340	6.223372	.0383138
#3	6.470932	5.722984	.0252576	.0016379	1.094545	6.248953	.0377373

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-18 Acquired: 12/18/2024 22:25:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL67 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9250815	.5050942	.1174499
Stddev	.0067767	.0001228	.0019709
%RSD	.7325508	.0243210	1.678061
#1	.9236382	.5050101	.1196246
#2	.9324635	.5052352	.1169434
#3	.9191426	.5050374	.1157817

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2647.378	33076.71	2541.730	2275.415	1902.809
Stddev	6.061	128.57	4.016	4.520	3.308
%RSD	.2289552	.3887035	.1579990	.1986384	.1738322
#1	2652.956	33132.30	2539.604	2275.551	1903.771
#2	2640.928	32929.70	2539.223	2270.829	1899.126
#3	2648.252	33168.13	2546.362	2279.866	1905.528

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-19 Acquired: 12/18/2024 22:29:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLKZ3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1573596	-.031192	.7867479	.0885264	.0259188	67.94648
Stddev	.0051155	.000864	.0039392	.0046503	.0010458	.30920
%RSD	3.250848	2.770123	.5006917	5.252961	4.034867	.4550587
#1	.1632451	-.031129	.7864648	.0935718	.0267607	67.77916
#2	.1539816	-.032087	.7829580	.0875952	.0247481	67.75700
#3	.1548522	-.030362	.7908210	.0844122	.0262476	68.30328

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.497198	.0071560	.0100284	102.0634	.1201790	.1337086
Stddev	.006679	.0000667	.0000871	.4528	.0005228	.0006771
%RSD	.4461084	.9320833	.8684566	.4436501	.4349828	.5064109
#1	1.491763	.0071041	.0099360	101.8223	.1199703	.1344778
#2	1.495176	.0072313	.0101089	101.7821	.1207739	.1334453
#3	1.504654	.0071328	.0100403	102.5857	.1197929	.1332026

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2132000	170.1805	20.86307	27.67229	.2374215	.0102884
Stddev	.0066250	.7748	.10048	.05649	.0006385	.0010697
%RSD	3.107410	.4552688	.4816210	.2041331	.2689090	10.39689
#1	.2159673	169.4884	20.77726	27.65391	.2381435	.0112788
#2	.2056400	170.0355	20.83835	27.62727	.2371898	.0091540
#3	.2179926	171.0175	20.97360	27.73567	.2369313	.0104323

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.847310	.1774986	.7549565	8.102874	F 14.61384	.0259293
Stddev	.578411	.0072857	.0045521	.081529	.02733	.0021559
%RSD	31.31100	4.104630	.6029551	1.006178	.1869821	8.314654
#1	1.642583	.1708766	.7507417	8.153491	14.59409	.0255355
#2	2.500242	.1853032	.7543438	8.008824	14.60241	.0239974
#3	1.399107	.1763161	.7597838	8.146308	14.64503	.0282550

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-19 Acquired: 12/18/2024 22:29:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLKZ3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0078003	6.087916	7.578800	.0556917	.6639534	-.001160
Stddev	.0005011	.033680	.019286	.0014757	.0006980	.000403
%RSD	6.423873	.5532231	.2544787	2.649747	.1051247	34.73917
#1	.0072228	6.056474	7.575636	.0553829	.6631650	-.000735
#2	.0081197	6.083818	7.599472	.0572974	.6644925	-.001536
#3	.0080585	6.123458	7.561290	.0543949	.6642026	-.001209

Elem	Li6707
Units	ppm
Avg	.0977820
Stddev	.0034315
%RSD	3.509365
#1	.0938423
#2	.1001182
#3	.0993855

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3237.621	40522.27	3028.759	2805.226	2110.194
Stddev	8.685	142.95	3.811	12.294	7.057
%RSD	.2682512	.3527726	.1258383	.4382699	.3344396
#1	3237.517	40583.62	3029.961	2797.090	2111.794
#2	3246.358	40624.30	3031.825	2819.369	2116.314
#3	3228.989	40358.88	3024.492	2799.219	2102.474

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-20 Acquired: 12/18/2024 22:33:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLKZ4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0828209	-.024227	.3126240	.0447268	.0106195	52.99508	.6980935
Stddev	.0059611	.004437	.0032013	.0058623	.0024959	.39817	.0060034
%RSD	7.197612	18.31255	1.024005	13.10688	23.50300	.7513340	.8599679
#1	.0760174	-.028986	.3102196	.0379674	.0134552	52.69487	.6934916
#2	.0853176	-.023490	.3162578	.0484217	.0096472	53.44676	.7048841
#3	.0871277	-.020205	.3113948	.0477913	.0087561	52.84363	.6959046

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0061924	.0044730	741.9629	.0833774	.1328266	.2586478	149.3651
Stddev	.0001108	.0000493	4.1465	.0015948	.0011079	.0033753	.5688
%RSD	1.789750	1.101343	.5588543	1.912793	.8341325	1.304977	.3808435
#1	.0062017	.0044291	737.4795	.0851410	.1322146	.2585935	148.7965
#2	.0062983	.0044637	745.6599	.0820363	.1321596	.2553000	149.9342
#3	.0060772	.0045263	742.7494	.0829550	.1341055	.2620499	149.3645

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.785019	147.6502	.1630442	.0061166	2.067422	.1328469	.6039478
Stddev	.066141	1.0588	.0006637	.0009831	.297557	.0045057	.0159115
%RSD	.6759372	.7170861	.4070519	16.07252	14.39265	3.391616	2.634581
#1	9.737600	146.7793	.1636611	.0056452	2.081264	.1284086	.6123260
#2	9.860576	148.8287	.1623420	.0054580	2.357817	.1374170	.5855979
#3	9.756881	147.3426	.1631296	.0072466	1.763186	.1327150	.6139196

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.277504	8.781064	.0149930	.0008868	1.510860	4.968146	.0204125
Stddev	.038754	.028150	.0031271	.0000976	.010030	.070773	.0017639
%RSD	.9059931	.3205739	20.85701	11.01005	.6638570	1.424538	8.641160
#1	4.251065	8.763441	.0117897	.0009952	1.505894	4.980497	.0196270
#2	4.321990	8.766222	.0180379	.0008595	1.504283	5.031931	.0191779
#3	4.259456	8.813529	.0151516	.0008057	1.522405	4.892010	.0224327

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-20 Acquired: 12/18/2024 22:33:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLKZ4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2668639	.4984171	.1033783
Stddev	.0047391	.0031242	.0022648
%RSD	1.775840	.6268279	2.190792
#1	.2642921	.4960432	.1059659
#2	.2723329	.5019565	.1024131
#3	.2639667	.4972515	.1017561

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2782.047	34643.64	2689.984	2396.184	1935.896
Stddev	7.936	400.42	30.944	35.448	7.985
%RSD	.2852650	1.155837	1.150343	1.479352	.4124581
#1	2787.848	34187.64	2697.586	2355.255	1941.568
#2	2785.290	34937.84	2655.947	2417.096	1939.356
#3	2773.003	34805.45	2716.418	2416.200	1926.765

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-21 Acquired: 12/18/2024 22:36:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLKZ5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1477662	-.035730	.6121968	.0975336	.0323234	78.60603	1.652464
Stddev	.0021804	.000856	.0018608	.0013139	.0023749	.25603	.006145
%RSD	1.475577	2.396861	.3039613	1.347169	7.347261	.3257139	.3718451
#1	.1500901	-.034741	.6100668	.0990286	.0317182	78.31216	1.645388
#2	.1474431	-.036207	.6130169	.0970102	.0303097	78.78095	1.655547
#3	.1457654	-.036241	.6135067	.0965620	.0349423	78.72498	1.656457

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0081645	.0102338	132.7032	.1237420	.1535128	.2040445	198.9931
Stddev	.0001358	.0001187	.2340	.0005294	.0008233	.0048906	1.1243
%RSD	1.663839	1.160054	.1763166	.4278225	.5362950	2.396826	.5649830
#1	.0080111	.0102607	132.5935	.1236043	.1527980	.1984866	197.7139
#2	.0082693	.0103368	132.9719	.1243266	.1544130	.2059570	199.4411
#3	.0082132	.0101040	132.5442	.1232951	.1533273	.2076898	199.8243

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.05784	39.46677	.2275954	.0108420	1.556586	.1934774	.6784430
Stddev	.09579	.12049	.0008419	.0005155	.052966	.0050293	.0122639
%RSD	.3981509	.3052838	.3699240	4.754473	3.402680	2.599444	1.807649
#1	23.94850	39.42353	.2270701	.0102481	1.524640	.1984743	.6837201
#2	24.12698	39.37387	.2271496	.0111739	1.527394	.1935417	.6871850
#3	24.09803	39.60291	.2285665	.0111039	1.617725	.1884163	.6644239

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.216532	8.547832	.0150307	.0055122	3.301012	6.744298	.0515736
Stddev	.177764	.002057	.0012805	.0003939	.004244	.062385	.0023679
%RSD	3.407702	.0240659	8.519426	7.146441	.1285738	.9250045	4.591232
#1	5.153407	8.546789	.0161996	.0056170	3.298880	6.676804	.0517680
#2	5.078946	8.550202	.0152303	.0058431	3.298256	6.756245	.0538383
#3	5.417244	8.546505	.0136620	.0050764	3.305900	6.799846	.0491146

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-21 Acquired: 12/18/2024 22:36:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLKZ5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7507854	-.026305	.1157772
Stddev	.0055650	.000533	.0020584
%RSD	.7412292	2.026618	1.777916
#1	.7444869	-.026642	.1180253
#2	.7528316	-.025691	.1153217
#3	.7550376	-.026584	.1139847

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3169.324	39882.78	2980.834	2751.758	2057.956
Stddev	3.852	12.31	31.494	3.400	1.988
%RSD	.1215268	.0308569	1.056560	.1235457	.0966159
#1	3170.265	39889.25	3013.839	2748.709	2057.704
#2	3172.619	39890.51	2977.555	2755.424	2060.058
#3	3165.090	39868.59	2951.107	2751.140	2056.106

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-22 Acquired: 12/18/2024 22:40:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLKZ6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0597734	-.018214	.2310450	.0372906	.0127536	49.58485
Stddev	.0062160	.003828	.0032382	.0013806	.0035611	.06081
%RSD	10.39930	21.01396	1.401541	3.702333	27.92225	.1226330
#1	.0668448	-.013815	.2277002	.0387814	.0095509	49.62018
#2	.0551720	-.020784	.2312698	.0370344	.0121215	49.51464
#3	.0573035	-.020044	.2341649	.0360561	.0165884	49.61974

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6586690	.0057183	.0052946	F 990.1792	.0851834	.1246516
Stddev	.0030280	.0000503	.0000721	.5532	.0011145	.0006372
%RSD	.4597182	.8791313	1.361668	.0558701	1.308323	.5111552
#1	.6611594	.0056675	.0053246	989.8724	.0838965	.1252345
#2	.6552984	.0057195	.0053468	989.8475	.0858174	.1239713
#3	.6595492	.0057680	.0052123	990.8179	.0858361	.1247490

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1211552	145.3584	10.75289	100.2632	.1487319	.0046755
Stddev	.0005967	.4732	.02830	.4656	.0007959	.0012962
%RSD	.4925443	.3255121	.2631548	.4643810	.5351219	27.72401
#1	.1218011	145.8824	10.78156	100.7501	.1490549	.0058114
#2	.1206244	144.9625	10.72499	99.8224	.1493155	.0049516
#3	.1210400	145.2302	10.75212	100.2172	.1478253	.0032634

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.475481	.1501237	.4462463	6.209407	9.220012	.0481942
Stddev	.166043	.0037795	.0135130	.024368	.013159	.0017157
%RSD	11.25347	2.517555	3.028149	.3924344	.1427262	3.559887
#1	1.656258	.1490418	.4326408	6.234384	9.231249	.0462767
#2	1.440411	.1543261	.4464333	6.208139	9.223252	.0495841
#3	1.329775	.1470031	.4596648	6.185698	9.205536	.0487218

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5061-22 Acquired: 12/18/2024 22:40:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLKZ6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001553	1.644276	6.286945	.0442621	.8374590	.6190741
Stddev	.0007615	.007075	.037954	.0023006	.0012453	.0014048
%RSD	490.1989	.4302682	.6036892	5.197586	.1487040	.2269224
#1	-.000582	1.641792	6.270007	.0469185	.8365187	.6206373
#2	.000110	1.638778	6.330418	.0429515	.8388714	.6179174
#3	.000939	1.652258	6.260410	.0429164	.8369870	.6186674

Elem	Li6707
Units	ppm
Avg	.1048979
Stddev	.0014922
%RSD	1.422525
#1	.1039916
#2	.1066202
#3	.1040820

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2763.772	34550.94	2672.636	2364.799	1828.278
Stddev	13.260	373.78	6.495	25.009	9.996
%RSD	.4797664	1.081818	.2430262	1.057567	.5467410
#1	2749.791	34982.16	2665.306	2393.633	1818.771
#2	2765.356	34350.90	2674.922	2351.769	1827.363
#3	2776.168	34319.75	2677.678	2348.996	1838.700

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-01 Acquired: 12/18/2024 22:44:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL70 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0987901	-.047709	1.904412	.0721669	.0256623	72.56862
Stddev	.0042936	.001231	.003212	.0022114	.0023131	.19353
%RSD	4.346148	2.580110	.1686734	3.064338	9.013542	.2666840
#1	.0940531	-.048764	1.905748	.0734780	.0240945	72.78451
#2	.0998918	-.048006	1.900747	.0696136	.0283189	72.51061
#3	.1024255	-.046357	1.906741	.0734090	.0245736	72.41072

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.239443	.0075724	.0066383	122.2852	.1570907	.1173626
Stddev	.004398	.0000424	.0001084	.1994	.0003671	.0003800
%RSD	.3548688	.5599030	1.632142	.1630408	.2336617	.3237593
#1	1.244473	.0076121	.0065270	122.4027	.1571567	.1177612
#2	1.236320	.0075774	.0067434	122.3978	.1574203	.1170046
#3	1.237536	.0075277	.0066446	122.0550	.1566951	.1173219

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2992162	162.8054	8.399680	46.98074	.1844938	.0069129
Stddev	.0068812	.3382	.012810	.14859	.0004980	.0003961
%RSD	2.299729	.2077329	.1525031	.3162712	.2699315	5.729991
#1	.3069138	163.1892	8.412051	46.94615	.1842125	.0072713
#2	.2970733	162.6762	8.400515	46.85250	.1842000	.0064876
#3	.2936615	162.5509	8.386473	47.14357	.1850688	.0069800

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.528004	.1941567	1.370318	6.364045	F 10.05858	.0211401
Stddev	.394250	.0081272	.018318	.051742	.01754	.0017082
%RSD	25.80161	4.185919	1.336805	.8130404	.1744226	8.080189
#1	1.519557	.2034046	1.388028	6.414306	10.06596	.0216191
#2	1.926409	.1881510	1.351447	6.310939	10.03855	.0192436
#3	1.138046	.1909146	1.371479	6.366892	10.07123	.0225577

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-01 Acquired: 12/18/2024 22:44:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL70 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0109790	4.632786	7.605907	.0750896	.6353920	.1224249
Stddev	.0004468	.009238	.060565	.0012508	.0026864	.0003075
%RSD	4.069372	.1993988	.7962944	1.665765	.4227879	.2511895
#1	.0110069	4.623207	7.587135	.0753567	.6358395	.1227791
#2	.0114112	4.633512	7.673636	.0737268	.6378265	.1222691
#3	.0105190	4.641640	7.556951	.0761853	.6325100	.1222264

Elem	Li6707
Units	ppm
Avg	.1320800
Stddev	.0004852
%RSD	.3673695
#1	.1326264
#2	.1316993
#3	.1319144

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2867.928	35901.35	2683.182	2487.897	2133.311
Stddev	11.175	181.68	10.613	15.012	6.631
%RSD	.3896613	.5060527	.3955406	.6034194	.3108529
#1	2875.411	35711.22	2677.548	2475.048	2135.217
#2	2873.291	36073.20	2676.573	2504.399	2138.781
#3	2855.082	35919.63	2695.424	2484.243	2125.936

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-02 Acquired: 12/18/2024 22:48:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL71 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1312861	-.073941	2.337460	.1010129	.0388874	86.36599
Stddev	.0089173	.003299	.007963	.0023131	.0010781	.16558
%RSD	6.792300	4.462121	.3406740	2.289925	2.772461	.1917142
#1	.1222578	-.071383	2.346637	.0985459	.0376528	86.40973
#2	.1400881	-.072775	2.332371	.1013598	.0396434	86.50530
#3	.1315123	-.077665	2.333373	.1031330	.0393661	86.18293

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.402742	.0095497	.0089965	126.8767	.1768737	.1330198
Stddev	.001367	.0000368	.0000357	.2614	.0023557	.0012321
%RSD	.0974433	.3852968	.3970024	.2060526	1.331839	.9262609
#1	1.404291	.0095910	.0089967	126.8945	.1750884	.1341118
#2	1.402230	.0095205	.0089608	127.1287	.1759891	.1316841
#3	1.401705	.0095375	.0090322	126.6068	.1795437	.1332636

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3388706	215.3472	9.553035	50.22800	.2367433	.0079942
Stddev	.0017589	.2983	.032068	.26293	.0000624	.0017036
%RSD	.5190382	.1385315	.3356838	.5234663	.0263447	21.31107
#1	.3401689	215.4944	9.563137	49.98121	.2367857	.0087278
#2	.3368689	215.5433	9.578835	50.50454	.2367724	.0092082
#3	.3395741	215.0039	9.517132	50.19826	.2366717	.0060467

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.868538	.2242308	1.619896	7.318887	F 14.16411	.0158986
Stddev	.143420	.0050584	.018591	.031051	.06055	.0041413
%RSD	7.675515	2.255886	1.147695	.4242518	.4275003	26.04825
#1	1.713162	.2207202	1.601884	7.335583	14.21740	.0168398
#2	1.896600	.2219435	1.639018	7.338018	14.09827	.0113676
#3	1.995854	.2300289	1.618786	7.283061	14.17666	.0194882

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-02 Acquired: 12/18/2024 22:48:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL71 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0079708	4.597988	8.218091	.0985986	.8162688	.1169355
Stddev	.0004932	.029232	.026534	.0016867	.0060150	.0005671
%RSD	6.187542	.6357611	.3228673	1.710665	.7368922	.4849546
#1	.0077425	4.629512	8.199050	.0972094	.8199442	.1172596
#2	.0085367	4.571777	8.248399	.1004754	.8195350	.1172662
#3	.0076331	4.592675	8.206825	.0981111	.8093273	.1162807

Elem	Li6707
Units	ppm
Avg	.1495750
Stddev	.0020064
%RSD	1.341396
#1	.1473594
#2	.1512692
#3	.1500966

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3019.100	37400.68	2828.489	2590.836	2104.497
Stddev	7.916	403.45	6.912	34.012	9.152
%RSD	.2621858	1.078732	.2443732	1.312782	.4348958
#1	3010.353	37737.21	2823.673	2622.748	2094.607
#2	3025.769	37511.41	2825.385	2594.705	2112.667
#3	3021.180	36953.43	2836.409	2555.055	2106.217

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-03 Acquired: 12/18/2024 22:52:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL72 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1294576	-.054386	3.176566	.0813731	.0291812	87.89516
Stddev	.0044552	.004409	.005972	.0007191	.0025545	.19050
%RSD	3.441466	8.107224	.1879860	.8837016	8.754019	.2167367
#1	.1345981	-.050983	3.171012	.0810744	.0292790	87.76065
#2	.1270642	-.052808	3.175806	.0821934	.0316853	87.81168
#3	.1267107	-.059367	3.182882	.0808515	.0265791	88.11315

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.607845	.0096901	.0120616	260.1177	.1967827	.1408364
Stddev	.006922	.0000643	.0002243	.5243	.0018993	.0011033
%RSD	.4305100	.6632463	1.859172	.2015582	.9651896	.7833592
#1	1.600462	.0096371	.0120212	259.7666	.1970779	.1416526
#2	1.608884	.0097616	.0118603	259.8662	.1985171	.1412753
#3	1.614188	.0096717	.0123033	260.7204	.1947531	.1395812

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4356281	191.5743	10.19608	112.9226	.2564421	.0094826
Stddev	.0053246	.3153	.03338	.2004	.0011727	.0004391
%RSD	1.222279	.1645613	.3273639	.1774997	.4572879	4.630344
#1	.4294818	191.2646	10.16886	112.7250	.2563338	.0090163
#2	.4388367	191.5635	10.18607	112.9170	.2553273	.0095432
#3	.4385657	191.8948	10.23332	113.1257	.2576652	.0098882

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.657239	.2205793	2.076922	8.264755	F 11.67206	.0196428
Stddev	.107071	.0056956	.024770	.037741	.02943	.0028584
%RSD	6.460813	2.582109	1.192636	.4566508	.2521620	14.55190
#1	1.721582	.2270962	2.061561	8.225351	11.64629	.0168372
#2	1.716497	.2165546	2.105497	8.268338	11.66575	.0225512
#3	1.533639	.2180871	2.063707	8.300577	11.70413	.0195399

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-03 Acquired: 12/18/2024 22:52:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL72 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0074111	4.532171	8.269281	.1135873	.8150462	.2238722
Stddev	.0003626	.009216	.036018	.0016345	.0026831	.0010923
%RSD	4.892336	.2033426	.4355687	1.438980	.3291996	.4879147
#1	.0070142	4.524736	8.309675	.1144999	.8173044	.2236656
#2	.0077250	4.529296	8.240507	.1145617	.8120801	.2228979
#3	.0074942	4.542482	8.257661	.1117003	.8157541	.2250530

Elem	Li6707
Units	ppm
Avg	.1427393
Stddev	.0021335
%RSD	1.494661
#1	.1451218
#2	.1420907
#3	.1410054

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2921.103	36550.14	2772.943	2536.624	2035.349
Stddev	4.881	179.93	4.750	21.232	2.292
%RSD	.1670971	.4922698	.1712955	.8370226	.1125874
#1	2918.899	36665.82	2774.574	2558.609	2037.780
#2	2917.712	36342.84	2776.662	2516.235	2033.229
#3	2926.697	36641.75	2767.592	2535.028	2035.037

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-04 Acquired: 12/18/2024 22:55:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL73 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1775110	-.048703	25.51664	.0768698	.0247153	74.94955
Stddev	.0073945	.001274	.03258	.0007691	.0033475	1.54143
%RSD	4.165628	2.615379	.1276776	1.000517	13.54411	2.056620
#1	.1856032	-.049287	25.47908	.0770929	.0211625	73.17037
#2	.1758239	-.049580	25.53373	.0775026	.0251731	75.88269
#3	.1711059	-.047242	25.53713	.0760138	.0278103	75.79559

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.690648	.0091727	.0109214	263.9935	.3788797	.1407493
Stddev	.036429	.0001032	.0000973	5.6673	.0029547	.0009515
%RSD	2.154743	1.125020	.8907014	2.146753	.7798639	.6760216
#1	1.648588	.0090774	.0110335	257.4556	.3766992	.1404293
#2	1.712234	.0091584	.0108704	267.0162	.3776974	.1399991
#3	1.711121	.0092823	.0108601	267.5085	.3822425	.1418196

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4753456	180.4844	10.41250	46.83818	.2919882	.0113734
Stddev	.0115085	3.8093	.22296	1.06931	.0013391	.0011583
%RSD	2.421091	2.110616	2.141270	2.282995	.4586220	10.18439
#1	.4645443	176.0888	10.15530	45.60373	.2914899	.0113793
#2	.4874504	182.5390	10.53129	47.47817	.2935050	.0102122
#3	.4740420	182.8252	10.55091	47.43266	.2909696	.0125288

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.968426	.2164584	1.765769	7.025453	F 10.86314	.0140788
Stddev	.699089	.0066278	.011601	.315060	.00613	.0027742
%RSD	35.51515	3.061917	.6570002	4.484558	.0564430	19.70443
#1	1.296393	.2099407	1.753599	6.728481	10.85637	.0140666
#2	1.917138	.2162433	1.767004	7.355925	10.86832	.0113108
#3	2.691747	.2231910	1.776703	6.991953	10.86472	.0168591

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-04 Acquired: 12/18/2024 22:55:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL73 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0084151	3.565558	7.982481	.7139594	.5718561	.3563298
Stddev	.0005543	.024997	.131232	.0021157	.0102058	.0082765
%RSD	6.586692	.7010741	1.644004	.2963290	1.784672	2.322705
#1	.0084518	3.552277	7.847695	.7160569	.5602934	.3468359
#2	.0078434	3.594392	8.109844	.7139953	.5796086	.3620251
#3	.0089502	3.550005	7.989904	.7118260	.5756662	.3601284

Elem	Li6707
Units	ppm
Avg	.1271984
Stddev	.0032604
%RSD	2.563235
#1	.1238636
#2	.1303789
#3	.1273529

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2944.481	36602.12	2798.364	2541.174	2078.481
Stddev	17.267	343.03	42.844	17.310	9.800
%RSD	.5864090	.9371948	1.531050	.6811841	.4714984
#1	2962.947	36761.82	2847.800	2543.724	2089.666
#2	2928.738	36836.19	2772.001	2557.068	2071.400
#3	2941.757	36208.35	2775.292	2522.731	2074.376

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-05 Acquired: 12/18/2024 22:59:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL74 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1536833	-.042488	1.919132	.0703495	.0251539	77.00409
Stddev	.0020594	.002970	.003495	.0036339	.0010968	1.01409
%RSD	1.340006	6.991170	.1821307	5.165567	4.360271	1.316931
#1	.1536308	-.043296	1.917815	.0713921	.0264141	78.17220
#2	.1516507	-.039197	1.916487	.0663082	.0246331	76.34922
#3	.1557684	-.044971	1.923095	.0733482	.0244146	76.49085

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.690648	.0085731	.0074288	294.2066	.1752365	.1420427
Stddev	.025205	.0001168	.0001432	3.8875	.0003444	.0004276
%RSD	1.490872	1.363036	1.927088	1.321354	.1965235	.3010116
#1	1.719653	.0086562	.0072710	298.6954	.1748721	.1420436
#2	1.674063	.0086237	.0074650	291.9388	.1755566	.1416146
#3	1.678227	.0084395	.0075504	291.9856	.1752809	.1424698

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3745679	173.9879	11.15190	46.51629	.1916752	.0103131
Stddev	.0092520	2.7271	.16957	.68354	.0002079	.0009749
%RSD	2.470041	1.567430	1.520526	1.469465	.1084464	9.453168
#1	.3844511	177.1130	11.34451	47.29596	.1915023	.0096216
#2	.3731394	172.0898	11.02512	46.02013	.1916175	.0114281
#3	.3661133	172.7609	11.08606	46.23276	.1919058	.0098895

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.926982	.2061074	1.160374	7.399471	F 10.38636	.0289095
Stddev	.391821	.0060567	.010906	.105941	.01469	.0026025
%RSD	20.33338	2.938628	.9398970	1.431731	.1414407	9.002057
#1	2.231908	.2092237	1.156316	7.506664	10.39655	.0319120
#2	1.485056	.1991270	1.152079	7.396921	10.36952	.0275173
#3	2.063981	.2099714	1.172728	7.294829	10.39300	.0272994

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-05 Acquired: 12/18/2024 22:59:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL74 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0078146	2.958248	8.088945	.1463920	.5858199	.4687261
Stddev	.0006163	.008335	.105108	.0013028	.0110065	.0067045
%RSD	7.886703	.2817461	1.299403	.8899274	1.878824	1.430357
#1	.0080393	2.961139	8.197800	.1464869	.5984091	.4762612
#2	.0082871	2.948853	8.081000	.1476448	.5780160	.4634203
#3	.0071175	2.964753	7.988036	.1450444	.5810345	.4664967

Elem	Li6707
Units	ppm
Avg	.1344278
Stddev	.0027639
%RSD	2.056028
#1	.1370386
#2	.1347120
#3	.1315328

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2952.387	37139.22	2785.135	2564.969	2033.488
Stddev	3.610	52.28	30.634	12.827	.904
%RSD	.1222870	.1407677	1.099919	.5000648	.0444705
#1	2949.632	37174.68	2750.818	2578.556	2032.615
#2	2951.055	37163.81	2794.862	2553.071	2033.427
#3	2956.474	37079.18	2809.724	2563.280	2034.421

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-06 Acquired: 12/18/2024 23:03:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL75 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1322414	-.046285	.7047001	.0837044	.0309025	82.38438	1.635913
Stddev	.0049981	.003004	.0034479	.0017223	.0021615	.21424	.004580
%RSD	3.779520	6.490573	.4892701	2.057579	6.994438	.2600519	.2799678
#1	.1358051	-.048413	.7030540	.0844605	.0328801	82.42715	1.637826
#2	.1265281	-.047593	.7086626	.0849193	.0285951	82.57401	1.639227
#3	.1343909	-.042848	.7023839	.0817334	.0312323	82.15198	1.630687

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0089454	.0078861	126.2146	.1202407	.1356426	.2193893	187.4834
Stddev	.0001914	.0000893	.1628	.0041052	.0003605	.0026314	.7713
%RSD	2.139510	1.132884	.1289941	3.414176	.2657357	1.199417	.4113938
#1	.0087958	.0079863	126.4007	.1172089	.1357720	.2208490	188.1857
#2	.0091611	.0078571	126.0981	.1186009	.1359204	.2163516	187.6066
#3	.0088793	.0078148	126.1452	.1249124	.1352353	.2209672	186.6580

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.67947	27.84330	.1616932	.0082443	2.446996	.1866732	.7764831
Stddev	.05096	.11110	.0001266	.0006006	.286247	.0010686	.0254046
%RSD	.3471763	.3990071	.0782884	7.285085	11.69790	.5724376	3.271750
#1	14.69401	27.97049	.1618329	.0085843	2.136047	.1866762	.7668013
#2	14.72159	27.79419	.1616603	.0085978	2.505412	.1856032	.7573429
#3	14.62282	27.76522	.1615862	.0075508	2.699529	.1877404	.8053050

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.778632	7.561203	.0180628	.0099843	2.289458	8.291859	.0656696
Stddev	.095834	.014475	.0006839	.0009230	.011460	.006729	.0015005
%RSD	1.413769	.1914432	3.786453	9.244333	.5005480	.0811461	2.284920
#1	6.681594	7.552182	.0188038	.0109770	2.289668	8.284388	.0639380
#2	6.781086	7.553526	.0179288	.0091521	2.277894	8.293748	.0664828
#3	6.873215	7.577899	.0174558	.0098236	2.300811	8.297441	.0665878

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-06 Acquired: 12/18/2024 23:03:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL75 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4943650	.1050040	.1271490
Stddev	.0002962	.0012288	.0010987
%RSD	.0599045	1.170207	.8641247
#1	.4942555	.1042688	.1267369
#2	.4947004	.1064225	.1283942
#3	.4941393	.1043206	.1263159

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3207.891	39676.96	3000.702	2741.976	2120.796
Stddev	7.930	1105.56	11.500	87.204	4.738
%RSD	.2472024	2.786397	.3832459	3.180316	.2234214
#1	3213.320	40417.13	3009.267	2808.837	2125.982
#2	3211.563	40207.65	2987.631	2773.750	2119.715
#3	3198.791	38406.12	3005.208	2643.341	2116.692

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-07 Acquired: 12/18/2024 23:07:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL76 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1121396	-.037801	.7141228	.0581248	.0189351	69.29553	1.103781
Stddev	.0043004	.004433	.0058535	.0040910	.0000752	.20814	.003239
%RSD	3.834827	11.72677	.8196713	7.038298	.3973328	.3003725	.2934492
#1	.1158697	-.041576	.7201957	.0568428	.0188514	69.16699	1.101234
#2	.1074359	-.032920	.7136558	.0627032	.0189566	69.18393	1.102684
#3	.1131132	-.038906	.7085168	.0548283	.0189972	69.53568	1.107426

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0077145	.0055716	651.0333	.1105579	.1343782	.2000946	169.0952
Stddev	.0000937	.0001047	1.3752	.0006513	.0008990	.0017023	.1900
%RSD	1.214026	1.879079	.2112294	.5891377	.6690285	.8507561	.1123467
#1	.0078099	.0054671	650.4219	.1109014	.1353872	.2018821	168.8943
#2	.0076227	.0056765	650.0699	.1109655	.1340849	.1999089	169.1196
#3	.0077110	.0055713	652.6082	.1098067	.1336624	.1984927	169.2719

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.426712	85.67720	.1643736	.0060701	1.173094	.1645521	.6767545
Stddev	.030972	.39150	.0009575	.0006352	.355505	.0079960	.0113610
%RSD	.3285513	.4569472	.5825358	10.46473	30.30488	4.859242	1.678742
#1	9.405164	85.26276	.1643227	.0060257	1.522088	.1613618	.6888824
#2	9.412768	85.72806	.1634425	.0054582	.811418	.1586437	.6750215
#3	9.462205	86.04079	.1653556	.0067263	1.185778	.1736507	.6663596

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.763872	8.053885	.0217530	.0039030	2.511518	6.655250	.0745463
Stddev	.062936	.017924	.0031484	.0002189	.007569	.018720	.0026063
%RSD	.9304689	.2225527	14.47350	5.608636	.3013544	.2812857	3.496219
#1	6.832866	8.074058	.0246427	.0039508	2.519223	6.648938	.0731748
#2	6.709607	8.047807	.0222187	.0036641	2.511237	6.640502	.0775520
#3	6.749142	8.039791	.0183977	.0040939	2.504094	6.676311	.0729122

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-07 Acquired: 12/18/2024 23:07:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL76 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6686671	.4869485	.1238853
Stddev	.0025073	.0011534	.0053291
%RSD	.3749656	.2368621	4.301624
#1	.6658774	.4857152	.1251341
#2	.6707325	.4871296	.1180427
#3	.6693914	.4880006	.1284791

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2923.279	36733.34	2782.784	2532.731	1967.796
Stddev	7.111	161.37	11.712	14.157	4.863
%RSD	.2432605	.4393063	.4208679	.5589539	.2471251
#1	2921.942	36549.54	2793.411	2516.485	1964.016
#2	2916.931	36851.80	2784.713	2542.426	1966.089
#3	2930.963	36798.67	2770.227	2539.283	1973.282

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-08 Acquired: 12/18/2024 23:11:14 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL91 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0981626	-.051218	2.298618	.0719289	.0287055	62.57218
Stddev	.0057589	.002016	.017148	.0031640	.0013298	.18836
%RSD	5.866647	3.935947	.7459948	4.398813	4.632414	.3010318
#1	.0915444	-.050670	2.318076	.0722497	.0293433	62.63991
#2	.1020326	-.053451	2.285715	.0686168	.0271770	62.35932
#3	.1009107	-.049532	2.292063	.0749204	.0295963	62.71732

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.546933	.0073120	.0075993	58.94520	.2614510	.0953412
Stddev	.006080	.0001924	.0000522	.22012	.0006235	.0013237
%RSD	.3930602	2.630766	.6868185	.3734331	.2384583	1.388414
#1	1.545894	.0070920	.0075434	58.96867	.2613308	.0965847
#2	1.541439	.0073959	.0076467	58.71428	.2621258	.0954892
#3	1.553466	.0074483	.0076078	59.15265	.2608964	.0939497

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2889478	153.0746	6.870566	24.24572	.1679910	.0074477
Stddev	.0091466	1.0971	.020769	.09446	.0013564	.0003966
%RSD	3.165479	.7166936	.3022941	.3896047	.8074151	5.324743
#1	.2950794	153.1787	6.874486	24.24259	.1688261	.0077365
#2	.2784347	151.9291	6.848116	24.15287	.1664259	.0069955
#3	.2933293	154.1159	6.889097	24.34171	.1687209	.0076109

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.828751	.1671313	1.204683	10.64284	F 13.34386	.0379012
Stddev	.419976	.0039680	.012331	.14697	.09036	.0072750
%RSD	22.96520	2.374199	1.023558	1.380940	.6771998	19.19470
#1	1.427757	.1648508	1.191223	10.70487	13.44689	.0412405
#2	1.793064	.1717132	1.207394	10.47503	13.27807	.0295560
#3	2.265432	.1648299	1.215434	10.74863	13.30662	.0429070

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-08 Acquired: 12/18/2024 23:11:14 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL91 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065950	4.279724	6.677212	.0773189	.7851865	-.003002
Stddev	.0004384	.010908	.022229	.0017886	.0032589	.000595
%RSD	6.647606	.2548822	.3329127	2.313302	.4150459	19.80996
#1	.0062711	4.287116	6.700378	.0793321	.7870878	-.002624
#2	.0070939	4.267195	6.675203	.0767117	.7814235	-.002696
#3	.0064200	4.284860	6.656056	.0759129	.7870481	-.003688

Elem	Li6707
Units	ppm
Avg	.1127657
Stddev	.0024915
%RSD	2.209472
#1	.1148339
#2	.1099996
#3	.1134635

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2914.022	36492.57	2703.709	2514.368	2140.994
Stddev	17.702	65.18	6.130	8.761	15.293
%RSD	.6074711	.1786115	.2267169	.3484371	.7143178
#1	2894.841	36437.61	2696.887	2511.129	2126.077
#2	2929.730	36475.53	2708.753	2507.688	2156.638
#3	2917.495	36564.58	2705.488	2524.287	2140.265

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCV063 Acquired: 12/18/2024 23:15:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV063 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.861266	4.805962	24.96626	5.290075	5.370784	400.9237	10.20198
Stddev	.011596	.083908	.48202	.111668	.116918	5.4509	.13584
%RSD	.2385445	1.745924	1.930699	2.110902	2.176930	1.359594	1.331491
#1	4.868207	4.765799	24.74883	5.223738	5.305024	394.9390	10.05295
#2	4.847879	4.749684	24.63125	5.227486	5.301554	402.2277	10.23412
#3	4.867713	4.902404	25.51870	5.419000	5.505775	405.6043	10.31886

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5148148	2.500661	405.7919	15.38562	2.502053	15.02539	409.6718
Stddev	.0078397	.048139	5.3653	.04139	.050295	.18799	5.0087
%RSD	1.522814	1.925050	1.322179	.2690202	2.010136	1.251137	1.222610
#1	.5063467	2.478617	399.8503	15.33816	2.480050	14.82382	404.4572
#2	.5162777	2.467491	407.2429	15.40449	2.466511	15.05642	410.1130
#3	.5218200	2.555875	410.2825	15.41421	2.559600	15.19593	414.4453

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.41016	403.7834	2.496437	1.284858	404.3332	2.518527	14.31402
Stddev	.19306	4.8755	.049749	.004981	6.0932	.051672	.00805
%RSD	1.252818	1.207449	1.992818	.3876565	1.506964	2.051682	.0562099
#1	15.20476	398.2505	2.475242	1.279164	398.4333	2.460447	14.32306
#2	15.43781	405.6495	2.460796	1.286997	403.9636	2.535730	14.30765
#3	15.58790	407.4501	2.553274	1.288411	410.6028	2.559403	14.31135

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	150.3431	5.023566	4.880526	4.856204	5.129233	4.773163	5.048645
Stddev	1.9509	.088740	.080401	.108964	.117993	.080445	.104027
%RSD	1.297662	1.766482	1.647391	2.243806	2.300405	1.685357	2.060498
#1	148.1418	4.987626	4.793516	4.801961	5.091309	4.689053	5.003164
#2	151.0287	4.958434	4.895989	4.785008	5.034865	4.781081	4.975104
#3	151.8586	5.124640	4.952072	4.981643	5.261525	4.849357	5.167668

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCV063 Acquired: 12/18/2024 23:15:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV063 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.086271	4.855217	5.089681
Stddev	.067098	.062039	.066575
%RSD	1.319195	1.277781	1.308047
#1	5.018320	4.787375	5.016863
#2	5.088010	4.869216	5.104750
#3	5.152482	4.909060	5.147431

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2096.077	27238.24	2183.554	1782.160	1782.426
Stddev	39.173	97.36	21.611	7.055	29.634
%RSD	1.868861	.3574423	.9897264	.3958680	1.662575
#1	2120.429	27137.14	2207.228	1778.476	1798.265
#2	2116.913	27246.22	2178.551	1777.710	1800.774
#3	2050.890	27331.37	2164.883	1790.295	1748.238

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCB063 Acquired: 12/18/2024 23:18:38 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB063 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002955	.0008751	.0038864	.0028933	-.003111	-.003255
Stddev	.004231	.0027936	.0041394	.0018047	.001188	.010653
%RSD	143.2152	319.2484	106.5108	62.37229	38.17525	327.2740
#1	.001895	.0027544	.0041694	.0035085	-.003812	-.009107
#2	-.004862	-.002335	.0078771	.0043100	-.003782	-.009700
#3	-.005897	.002206	-.000387	.0008615	-.001740	.009042

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016244	-.000193	-.000075	.0268744	.0003848	-.000323
Stddev	.0011166	.000026	.000062	.0361412	.0005914	.000209
%RSD	68.73755	13.30765	83.10896	134.4819	153.6774	64.82050
#1	.0028168	-.000210	-.000070	-.009492	.0006188	-.000560
#2	.0006036	-.000205	-.000139	.027330	-.000288	-.000242
#3	.0014527	-.000163	-.000015	.062786	.000823	-.000166

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006357	.0149701	.0042410	-.014833	.0003013	.0004674
Stddev	.0066442	.0078523	.0016305	.030782	.0002135	.0005670
%RSD	1045.209	52.45310	38.44679	207.5194	70.86161	121.3024
#1	.0032952	.0083018	.0058868	.001599	.0001460	.0005804
#2	.0055382	.0236249	.0042102	.004245	.0005448	.0009693
#3	-.006926	.0129836	.0026261	-.050344	.0002131	-.000148

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.825003	.0037108	.0141258	.2711620	-.000160	.0086906
Stddev	.423424	.0124541	.0057453	.0676091	.001150	.0031872
%RSD	23.20126	335.6198	40.67241	24.93309	717.1868	36.67365
#1	1.668872	.0163484	.0207304	.2469488	-.001033	.0072143
#2	1.501814	.0033353	.0102816	.2189936	.001142	.0065093
#3	2.304323	-.008551	.0113655	.3475436	-.000590	.0123482

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCB063 Acquired: 12/18/2024 23:18:38 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB063 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002623	.0025342	-.001597	.0014075	-.001610	.0003218
Stddev	.0002318	.0057062	.000342	.0007230	.004360	.0003049
%RSD	88.36815	225.1685	21.42752	51.36911	270.7765	94.76821
#1	.0004898	.0086941	-.001719	.0018226	-.005341	.0000001
#2	.0002709	.0014798	-.001861	.0005726	-.002673	.0003585
#3	.0000264	-.002571	-.001210	.0018271	.003183	.0006067

Elem	Li6707
Units	ppm
Avg	F .0213640
Stddev	.0040553
%RSD	18.98209
#1	.0236346
#2	.0166820
#3	.0237753

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2417.538	30204.45	2267.809	2088.490	2173.449
Stddev	5.874	56.00	68.464	.742	3.089
%RSD	.2429666	.1854040	3.018956	.0355308	.1421104
#1	2416.942	30172.57	2239.450	2088.854	2171.849
#2	2423.688	30171.67	2345.896	2088.979	2177.009
#3	2411.986	30269.11	2218.081	2087.636	2171.488

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-09 Acquired: 12/18/2024 23:22:39 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL92 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1010056	-.055177	2.465095	.0745011	.0272914	60.29980
Stddev	.0092610	.003984	.009622	.0023633	.0015489	.27838
%RSD	9.168823	7.220919	.3903324	3.172165	5.675249	.4616675
#1	.0915262	-.053254	2.456692	.0756353	.0281954	60.30384
#2	.1014589	-.059758	2.475591	.0760835	.0255030	60.01942
#3	.1100316	-.052519	2.463001	.0717845	.0281759	60.57615

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.667191	.0070559	.0071357	46.51580	.2275796	.0877214
Stddev	.006683	.0000684	.0001204	.17054	.0023367	.0003885
%RSD	.4008793	.9694076	1.686975	.3666287	1.026771	.4428294
#1	1.664695	.0070802	.0071171	46.38212	.2294538	.0872857
#2	1.662114	.0069786	.0072642	46.45742	.2283237	.0878469
#3	1.674763	.0071088	.0070256	46.70786	.2249615	.0880316

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2620856	149.0001	6.391734	20.82556	.1539175	.0072952
Stddev	.0082784	.5518	.035098	.05646	.0014805	.0002765
%RSD	3.158659	.3703088	.5491124	.2710976	.9619082	3.789542
#1	.2705960	148.6687	6.368174	20.77348	.1529110	.0076130
#2	.2540606	148.6946	6.374956	20.81765	.1556175	.0071101
#3	.2616001	149.6371	6.432071	20.88556	.1532239	.0071624

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.843508	.1567913	1.129642	7.939350	F 11.57104	.0274239
Stddev	.455853	.0065099	.011549	.090199	.04499	.0017096
%RSD	24.72749	4.151949	1.022325	1.136096	.3888555	6.234080
#1	1.359994	.1509885	1.134607	8.032292	11.54134	.0255431
#2	1.905090	.1555545	1.137877	7.852172	11.62281	.0288836
#3	2.265440	.1638309	1.116441	7.933586	11.54897	.0278449

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-09 Acquired: 12/18/2024 23:22:39 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL92 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049490	3.528133	6.630739	.0569973	.6576623	-.012319
Stddev	.0001921	.013548	.041191	.0027145	.0031196	.000229
%RSD	3.880521	.3839912	.6212074	4.762563	.4743531	1.855045
#1	.0051425	3.530291	6.604643	.0543336	.6570696	-.012458
#2	.0047584	3.540472	6.609350	.0597600	.6548815	-.012443
#3	.0049460	3.513636	6.678224	.0568984	.6610358	-.012055

Elem	Li6707
Units	ppm
Avg	.1073778
Stddev	.0013164
%RSD	1.225931
#1	.1065340
#2	.1088946
#3	.1067049

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2935.865	36862.90	2707.394	2554.904	2179.418
Stddev	9.757	212.15	23.356	12.630	8.954
%RSD	.3323368	.5755060	.8626752	.4943326	.4108438
#1	2945.749	36670.11	2715.919	2541.096	2189.015
#2	2926.240	36828.42	2725.289	2557.746	2171.288
#3	2935.606	37090.18	2680.973	2565.871	2177.950

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-10 Acquired: 12/18/2024 23:26:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL93 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1239810	-.066292	2.697964	.0834751	.0325664	70.77406
Stddev	.0043153	.001417	.003049	.0049581	.0007008	.28557
%RSD	3.480629	2.138106	.1130243	5.939664	2.151882	.4034947
#1	.1256166	-.064734	2.695754	.0890758	.0325630	70.96342
#2	.1272395	-.066638	2.696696	.0817035	.0332689	70.91316
#3	.1190870	-.067505	2.701443	.0796462	.0318673	70.44559

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.890537	.0083256	.0064471	36.36133	.1969100	.0965152
Stddev	.009620	.0001203	.0002047	.26828	.0014115	.0003361
%RSD	.5088635	1.444325	3.174837	.7378122	.7168459	.3482603
#1	1.900037	.0081935	.0065338	36.65375	.1963574	.0967342
#2	1.890773	.0083545	.0062134	36.30367	.1958583	.0961282
#3	1.880801	.0084287	.0065942	36.12657	.1985142	.0966831

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2470223	167.8852	6.222232	20.58951	.1595914	.0075831
Stddev	.0016273	.8563	.029164	.15465	.0002490	.0002621
%RSD	.6587747	.5100526	.4687145	.7510955	.1560376	3.456858
#1	.2467647	168.5321	6.241611	20.65022	.1598777	.0073271
#2	.2487630	168.2093	6.236395	20.70460	.1594721	.0078510
#3	.2455391	166.9141	6.188691	20.41372	.1594246	.0075712

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.055683	.1783132	1.006406	8.392627	F 10.85426	.0083666
Stddev	.533534	.0025288	.006360	.064361	.01814	.0017578
%RSD	25.95412	1.418203	.6319728	.7668762	.1671161	21.00961
#1	1.449806	.1755763	1.013095	8.457497	10.83346	.0089411
#2	2.455285	.1805632	1.005690	8.391595	10.86679	.0063934
#3	2.261958	.1788000	1.000435	8.328788	10.86254	.0097652

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-10 Acquired: 12/18/2024 23:26:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL93 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044662	2.762591	6.562729	.0524509	.6389225	-.038624
Stddev	.0002927	.005166	.043058	.0004015	.0063178	.000232
%RSD	6.553476	.1869836	.6560918	.7655262	.9888233	.6014978
#1	.0041285	2.759072	6.554857	.0528800	.6435917	-.038750
#2	.0046451	2.760180	6.609180	.0520843	.6317337	-.038767
#3	.0046252	2.768521	6.524151	.0523884	.6414422	-.038356

Elem	Li6707
Units	ppm
Avg	.1221812
Stddev	.0011927
%RSD	.9762056
#1	.1216411
#2	.1213541
#3	.1235485

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3021.528	37937.18	2809.942	2616.879	2188.573
Stddev	3.567	271.53	5.319	15.744	2.817
%RSD	.1180534	.7157444	.1892824	.6016352	.1287116
#1	3024.254	38025.60	2808.597	2618.859	2190.632
#2	3022.840	38153.49	2805.425	2631.539	2189.724
#3	3017.491	37632.46	2815.804	2600.238	2185.362

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-11 Acquired: 12/18/2024 23:30:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLC1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1161243	-.047374	1.803381	.0630505	.0223360	63.95102
Stddev	.0008609	.003183	.005867	.0032988	.0039920	1.53454
%RSD	.7413634	6.719017	.3253506	5.231960	17.87235	2.399547
#1	.1155608	-.048325	1.796999	.0592909	.0178460	62.22483
#2	.1156969	-.049974	1.804602	.0644002	.0236777	65.16051
#3	.1171153	-.043824	1.808542	.0654604	.0254843	64.46773

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9703346	.0072118	.0057123	152.1262	.1404078	.1085064
Stddev	.0235127	.0000661	.0001609	3.4780	.0015437	.0005101
%RSD	2.423152	.9172002	2.816458	2.286261	1.099452	.4701244
#1	.9432838	.0071400	.0058976	148.1664	.1421785	.1090579
#2	.9858692	.0072251	.0056083	154.6862	.1397005	.1080515
#3	.9818509	.0072703	.0056310	153.5261	.1393446	.1084098

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2243009	161.2453	6.479821	36.66827	.1494203	.0057643
Stddev	.0050936	4.0633	.156317	.96207	.0001360	.0007204
%RSD	2.270869	2.519964	2.412360	2.623706	.0909874	12.49860
#1	.2188639	156.6185	6.302227	35.61416	.1495001	.0053246
#2	.2250770	164.2334	6.596549	37.49898	.1494974	.0065957
#3	.2289620	162.8840	6.540687	36.89168	.1492633	.0053725

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.173242	.1685633	.9366077	2.732432	F 14.25350	.0099120
Stddev	.280102	.0048699	.0087652	.188736	.02511	.0020155
%RSD	12.88867	2.889059	.9358467	6.907251	.1761366	20.33382
#1	1.855037	.1638746	.9345912	2.531236	14.22595	.0081934
#2	2.382507	.1735962	.9290264	2.760496	14.27509	.0121304
#3	2.282182	.1682190	.9462054	2.905565	14.25946	.0094123

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-11 Acquired: 12/18/2024 23:30:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLC1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046544	1.916292	5.830330	.0722819	.6495710	.0553104
Stddev	.0006015	.011519	.103966	.0025275	.0159489	.0009231
%RSD	12.92355	.6010942	1.783192	3.496728	2.455297	1.668931
#1	.0053450	1.903743	5.710509	.0694690	.6311549	.0542614
#2	.0043733	1.918749	5.896643	.0730144	.6588325	.0556712
#3	.0042449	1.926384	5.883840	.0743622	.6587256	.0559985

Elem	Li6707
Units	ppm
Avg	.1274869
Stddev	.0059520
%RSD	4.668732
#1	.1207021
#2	.1318289
#3	.1299296

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3093.542	38750.61	2912.011	2660.397	2110.018
Stddev	7.418	78.21	55.742	12.817	6.169
%RSD	.2398034	.2018266	1.914211	.4817543	.2923530
#1	3101.572	38678.51	2974.738	2645.732	2116.291
#2	3092.112	38739.57	2868.152	2669.451	2109.804
#3	3086.943	38833.76	2893.142	2666.009	2103.959

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-12 Acquired: 12/18/2024 23:34:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLC2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0678183	-.078738	.1735262	.0828589	.0336321	75.97263	.8125852
Stddev	.0035176	.001152	.0022831	.0014748	.0021135	.17371	.0020607
%RSD	5.186764	1.463577	1.315735	1.779928	6.284203	.2286521	.2536025
#1	.0650059	-.079918	.1732603	.0811562	.0330642	76.05966	.8145109
#2	.0666866	-.077615	.1713877	.0837378	.0359715	75.77260	.8104118
#3	.0717624	-.078682	.1759307	.0836828	.0318605	76.08561	.8128328

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0073076	.0020156	21.67667	.0917340	.0773451	.0688338	170.1739
Stddev	.0000816	.0000972	.06257	.0001959	.0006587	.0037842	.1248
%RSD	1.116825	4.820390	.2886472	.2135594	.8516714	5.497634	.0733298
#1	.0072732	.0020958	21.67722	.0917523	.0777290	.0722914	170.1901
#2	.0072487	.0019075	21.61382	.0919201	.0765845	.0647911	170.0418
#3	.0074007	.0020434	21.73895	.0915296	.0777218	.0694190	170.2898

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.277015	16.89246	.0937893	.0041249	1.382397	.2024301	.3245504
Stddev	.003722	.00840	.0015913	.0010848	.139738	.0101962	.0049629
%RSD	.1135856	.0497493	1.696696	26.29826	10.10839	5.036899	1.529177
#1	3.279086	16.90211	.0956262	.0033287	1.224578	.2134305	.3275112
#2	3.272718	16.88675	.0928312	.0036856	1.432205	.2005641	.3273193
#3	3.279241	16.88851	.0929105	.0053605	1.490406	.1932958	.3188207

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.201487	2.510927	-.015930	.0049251	.5452818	6.892049	.0238738
Stddev	.097609	.007521	.004115	.0004267	.0050965	.064625	.0005087
%RSD	48.44422	.2995463	25.83066	8.664064	.9346504	.9376764	2.130699
#1	-.254215	2.513732	-.011728	.0046642	.5394821	6.936202	.0232956
#2	-.088854	2.502407	-.016109	.0046936	.5490458	6.817873	.0240737
#3	-.261391	2.516643	-.019952	.0054175	.5473175	6.922071	.0242522

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-12 Acquired: 12/18/2024 23:34:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLC2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6665434	-.108911	.1090667
Stddev	.0009854	.000131	.0015800
%RSD	.1478440	.1207132	1.448669
#1	.6666151	-.108767	.1075992
#2	.6674910	-.108940	.1107392
#3	.6655240	-.109025	.1088616

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2770.136	34696.36	2546.777	2401.162	2211.588
Stddev	5.691	180.86	13.101	10.657	4.643
%RSD	.2054329	.5212576	.5144213	.4438464	.2099183
#1	2763.800	34818.54	2544.992	2406.869	2206.796
#2	2774.812	34488.60	2560.679	2388.866	2216.065
#3	2771.796	34781.94	2534.659	2407.750	2211.903

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-13 Acquired: 12/18/2024 23:38:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLC3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0524571	-.073022	.1282934	.0782007	.0328971	77.16145	.7701941
Stddev	.0040271	.002353	.0011387	.0020240	.0018785	.07206	.0006802
%RSD	7.676887	3.222921	.8875655	2.588213	5.710154	.0933916	.0883203
#1	.0563038	-.075573	.1291541	.0770449	.0337549	77.11851	.7699587
#2	.0482711	-.072559	.1287238	.0770195	.0307429	77.12120	.7696628
#3	.0527963	-.070935	.1270023	.0805378	.0341936	77.24465	.7709607

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0070974	.0016900	18.14064	.0882707	.0658289	.0498145	154.7031
Stddev	.0000531	.0000311	.02784	.0015308	.0006465	.0022188	.2603
%RSD	.7481697	1.839359	.1534465	1.734228	.9820449	4.454187	.1682770
#1	.0071583	.0017033	18.12532	.0893955	.0651208	.0506364	154.4031
#2	.0070607	.0017122	18.17277	.0888892	.0663875	.0515050	154.8701
#3	.0070732	.0016545	18.12383	.0865274	.0659785	.0473020	154.8360

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.292093	16.56139	.0840874	.0040780	1.612009	.1868846	.2984968
Stddev	.003049	.02357	.0005071	.0007640	.679461	.0049467	.0118882
%RSD	.1330062	.1423291	.6030167	18.73505	42.14993	2.646939	3.982683
#1	2.288810	16.53575	.0846173	.0035275	1.379379	.1920306	.3042259
#2	2.292633	16.58211	.0836067	.0037563	2.377230	.1864583	.2848289
#3	2.294835	16.56632	.0840383	.0049503	1.079418	.1821648	.3064356

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.254736	1.724080	-.020978	.0034816	.4955383	7.136389	.0234290
Stddev	.044879	.004126	.000779	.0006534	.0018741	.033705	.0008149
%RSD	17.61785	.2393395	3.713580	18.76764	.3782029	.4722975	3.478328
#1	-.202945	1.725351	-.021703	.0027664	.4933811	7.170601	.0226306
#2	-.279090	1.719468	-.020154	.0036310	.4964674	7.103215	.0242596
#3	-.282174	1.727422	-.021076	.0040473	.4967664	7.135352	.0233967

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-13 Acquired: 12/18/2024 23:38:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLC3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8335830	-.099898	.1206175
Stddev	.0045331	.000196	.0039023
%RSD	.5438141	.1965625	3.235273
#1	.8288005	-.099677	.1243692
#2	.8378169	-.100052	.1165802
#3	.8341316	-.099964	.1209031

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2753.686	34298.30	2512.267	2367.837	2223.681
Stddev	2.272	65.35	8.181	10.449	3.894
%RSD	.0825219	.1905269	.3256373	.4412762	.1751145
#1	2752.287	34230.76	2509.341	2363.512	2220.630
#2	2756.308	34361.21	2521.509	2379.753	2228.067
#3	2752.463	34302.92	2505.952	2360.245	2222.347

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-14 Acquired: 12/18/2024 23:41:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLC4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0599959	-.054391	.1554127	.0658558	.0234419	61.09067	.7459317
Stddev	.0086897	.001286	.0025371	.0030410	.0028611	.06695	.0020898
%RSD	14.48391	2.363815	1.632503	4.617591	12.20487	.1095924	.2801620
#1	.0685657	-.053708	.1537813	.0631653	.0264967	61.08676	.7438636
#2	.0511909	-.055874	.1541211	.0652469	.0230039	61.02576	.7458890
#3	.0602312	-.053590	.1583358	.0691551	.0208251	61.15949	.7480425

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062680	.0027601	67.07384	.0818495	.0968486	.0892100	150.9505
Stddev	.0001196	.0001592	.10025	.0007909	.0003317	.0063925	.0221
%RSD	1.907722	5.767276	.1494676	.9663249	.3424489	7.165698	.0146547
#1	.0061474	.0029415	67.00516	.0809415	.0972215	.0948854	150.9416
#2	.0062700	.0026441	67.02747	.0822185	.0965866	.0904597	150.9757
#3	.0063865	.0026946	67.18888	.0823886	.0967377	.0822850	150.9342

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.158394	29.87424	.1130658	.0047810	1.385898	.1656362	.3276780
Stddev	.001000	.15020	.0007758	.0012517	.449694	.0032836	.0107277
%RSD	.0139631	.5027601	.6861101	26.18003	32.44788	1.982415	3.273841
#1	7.159119	29.97434	.1122188	.0044139	1.758090	.1678178	.3390661
#2	7.158809	29.94683	.1132369	.0037540	1.513377	.1618598	.3262050
#3	7.157254	29.70153	.1137417	.0061752	.886226	.1672309	.3177630

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6644199	3.939258	-.015461	.0035712	.5309796	6.319601	.0259886
Stddev	.1654223	.015245	.002750	.0001139	.0024644	.047518	.0008394
%RSD	24.89725	.3869894	17.78452	3.190368	.4641194	.7519137	3.229728
#1	.4794277	3.950507	-.013610	.0036413	.5281507	6.307691	.0263497
#2	.7981222	3.921907	-.014152	.0034398	.5326605	6.279171	.0265869
#3	.7157096	3.945359	-.018621	.0036327	.5321277	6.371941	.0250291

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-14 Acquired: 12/18/2024 23:41:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLC4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6999653	-.047408	.1044524
Stddev	.0029100	.000128	.0033789
%RSD	.4157407	.2701215	3.234862
#1	.7033253	-.047489	.1081919
#2	.6983207	-.047261	.1016188
#3	.6982500	-.047476	.1035466

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2783.464	34646.45	2574.193	2404.137	2158.524
Stddev	4.666	93.01	9.729	6.537	3.503
%RSD	.1676309	.2684663	.3779310	.2718930	.1622781
#1	2786.376	34655.10	2580.808	2400.061	2158.105
#2	2785.934	34549.41	2578.747	2400.673	2162.217
#3	2778.082	34734.83	2563.022	2411.676	2155.249

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-15 Acquired: 12/18/2024 23:45:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLC4D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0538314	-.053523	.1565153	.0658666	.0227266	60.76333	.7431413
Stddev	.0056679	.003664	.0040185	.0023348	.0010095	.16439	.0021765
%RSD	10.52890	6.845118	2.567469	3.544758	4.442097	.2705491	.2928760
#1	.0490168	-.051961	.1607547	.0681978	.0221069	60.60200	.7407870
#2	.0523995	-.057708	.1560293	.0635282	.0238916	60.93062	.7450801
#3	.0600779	-.050898	.1527619	.0658739	.0221814	60.75738	.7435568

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059751	.0028159	66.87407	.0817987	.0966969	.0855835	149.9697
Stddev	.0000577	.0001011	.07192	.0005691	.0003233	.0071728	.5364
%RSD	.9655029	3.590184	.1075517	.6957301	.3342890	8.381084	.3577030
#1	.0059091	.0027880	66.81409	.0824195	.0965126	.0904035	149.4106
#2	.0060158	.0027317	66.95381	.0816751	.0970701	.0890065	150.4802
#3	.0060005	.0029280	66.85432	.0813016	.0965079	.0773404	150.0184

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.107779	29.65723	.1130752	.0056680	1.957908	.1670743	.3308086
Stddev	.022720	.15545	.0007577	.0011044	.306397	.0034475	.0108282
%RSD	.3196525	.5241599	.6700372	19.48463	15.64922	2.063468	3.273269
#1	7.081549	29.47962	.1122224	.0062494	1.604126	.1643680	.3223530
#2	7.121351	29.76851	.1133326	.0063602	2.137652	.1709558	.3430131
#3	7.120436	29.72357	.1136706	.0043944	2.131945	.1658992	.3270596

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4826811	3.909289	-.011157	.0039921	.5349015	6.348106	.0257567
Stddev	.0588870	.008841	.001204	.0001208	.0008399	.065176	.0015536
%RSD	12.19997	.2261663	10.79069	3.026395	.1570227	1.026702	6.031984
#1	.4703315	3.910067	-.010906	.0038660	.5358437	6.311694	.0262439
#2	.4309482	3.900084	-.010098	.0041068	.5342311	6.309272	.0270083
#3	.5467634	3.917716	-.012466	.0040035	.5346297	6.423352	.0240178

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-15 Acquired: 12/18/2024 23:45:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLC4D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6889552	-.047008	.1032567
Stddev	.0040434	.000408	.0010935
%RSD	.5868808	.8689451	1.059034
#1	.6866510	-.046637	.1019968
#2	.6936239	-.047446	.1039601
#3	.6865907	-.046939	.1038131

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2780.490	34686.43	2584.292	2409.463	2158.830
Stddev	5.947	35.63	19.415	10.473	6.362
%RSD	.2138873	.1027264	.7512745	.4346773	.2947141
#1	2773.646	34709.75	2594.899	2421.495	2151.824
#2	2784.401	34645.42	2596.094	2404.497	2164.247
#3	2783.424	34704.14	2561.884	2402.395	2160.419

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-14LX5 Acquired: 12/18/2024 23:49:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLC4L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0103354	-.012658	.0322254	.0166017	.0012656	13.51720	.1648456
Stddev	.0003819	.003286	.0020041	.0020935	.0021034	.07534	.0006835
%RSD	3.695441	25.95552	6.218986	12.61005	166.1964	.5573276	.4146293
#1	.0104893	-.013185	.0344392	.0171870	.0031953	13.48560	.1654509
#2	.0099006	-.009141	.0317021	.0142779	-.000977	13.46281	.1641043
#3	.0106164	-.015649	.0305348	.0183402	.001578	13.60319	.1649815

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012398	.0004440	14.69474	.0183576	.0245002	.0219252	33.24424
Stddev	.0000350	.0000427	.08488	.0006882	.0004939	.0042065	.13662
%RSD	2.824071	9.612989	.5776372	3.748892	2.016043	19.18585	.4109620
#1	.0012618	.0004263	14.75248	.0191504	.0239715	.0262880	33.25758
#2	.0011994	.0004130	14.59728	.0180080	.0249498	.0178946	33.10143
#3	.0012581	.0004926	14.73446	.0179144	.0245795	.0215929	33.37369

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.587328	6.590575	.0219166	.0005530	.8542070	.0304225	.0790389
Stddev	.010405	.099048	.0007113	.0005233	.3269729	.0040537	.0105286
%RSD	.6555059	1.502868	3.245482	94.63379	38.27795	13.32464	13.32081
#1	1.592913	6.550754	.0225282	.0000584	1.228291	.0263200	.0668824
#2	1.575323	6.703336	.0211360	.0004997	.622926	.0305219	.0849931
#3	1.593747	6.517636	.0220857	.0011009	.711404	.0344256	.0852413

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1848395	.7668885	-.003933	.0009376	.1101087	1.483085	.0051562
Stddev	.0277882	.0044211	.003198	.0004265	.0056802	.016133	.0004138
%RSD	15.03366	.5765002	81.31275	45.48445	5.158690	1.087806	8.025457
#1	.1572740	.7636859	-.000986	.0006985	.1044374	1.499624	.0049447
#2	.2128451	.7650469	-.007334	.0014300	.1100911	1.467392	.0048909
#3	.1843996	.7719328	-.003479	.0006844	.1157977	1.482239	.0056330

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-14LX5 Acquired: 12/18/2024 23:49:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLC4L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1537386	-.010218	.0330025
Stddev	.0013152	.000171	.0031803
%RSD	.8555031	1.678111	9.636511
#1	.1525723	-.010415	.0301370
#2	.1534794	-.010106	.0324462
#3	.1551642	-.010132	.0364242

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2486.916	31047.92	2265.617	2129.646	2170.208
Stddev	5.790	58.11	13.801	3.333	4.897
%RSD	.2327992	.1871745	.6091321	.1564931	.2256529
#1	2483.178	31115.02	2253.301	2133.411	2166.348
#2	2493.585	31015.22	2280.533	2127.071	2175.717
#3	2483.986	31013.52	2263.018	2128.458	2168.559

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-16 Acquired: 12/18/2024 23:53:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLC4S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1378041	.0371593	.1910495	.2306283	.1907895	64.71981	4.516042
Stddev	.0030584	.0023684	.0010170	.0005404	.0020081	1.13420	.086380
%RSD	2.219394	6.373727	.5323442	.2343305	1.052543	1.752483	1.912728
#1	.1388694	.0349534	.1911267	.2302079	.1887881	63.81037	4.442634
#2	.1343555	.0396623	.1899960	.2304390	.1928043	65.99069	4.611225
#3	.1401874	.0368622	.1920257	.2312379	.1907762	64.35838	4.494266

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1001545	.0997495	66.11471	.4502739	1.064144	.5226957	152.1814
Stddev	.0015452	.0005517	1.07502	.0006896	.005500	.0067024	2.8712
%RSD	1.542833	.5530417	1.625999	.1531495	.5168570	1.282273	1.886671
#1	.0987634	.0999359	65.27902	.4498047	1.065188	.5171749	149.6752
#2	.1018177	.1001838	67.32747	.4499513	1.069048	.5301531	155.3141
#3	.0998824	.0991288	65.73763	.4510656	1.058197	.5207590	151.5550

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.086513	29.85332	1.102251	.0715774	2.518715	1.105660	1.080151
Stddev	.158783	.61974	.004952	.0003980	.351073	.026106	.005375
%RSD	1.963559	2.075954	.4492462	.5559818	13.93857	2.361137	.4976558
#1	7.962726	29.50434	1.103443	.0719346	2.196871	1.092368	1.075221
#2	8.265538	30.56886	1.106498	.0711485	2.893096	1.135738	1.085882
#3	8.031276	29.48675	1.096812	.0716491	2.466178	1.088876	1.079351

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6805921	3.804727	-.006531	.0041698	.5218104	6.353479	.0251736
Stddev	.1037906	.017181	.003535	.0001189	.0045600	.099125	.0011511
%RSD	15.25005	.4515588	54.11875	2.852359	.8738723	1.560162	4.572738
#1	.6653251	3.809753	-.010238	.0042344	.5252834	6.270614	.0238470
#2	.7911706	3.818835	-.006157	.0042424	.5166465	6.463290	.0259094
#3	.5852806	3.785594	-.003198	.0040325	.5235013	6.326532	.0257643

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5059-16 Acquired: 12/18/2024 23:53:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLC4S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6966839	-.048604	.1098067
Stddev	.0144093	.000861	.0032652
%RSD	2.068275	1.771926	2.973588
#1	.6815629	-.048016	.1069554
#2	.7102565	-.049593	.1090961
#3	.6982324	-.048205	.1133687

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2764.831	34784.87	2512.708	2391.473	2162.410
Stddev	7.200	226.86	32.033	14.476	6.254
%RSD	.2604236	.6521905	1.274840	.6053055	.2892350
#1	2761.010	34799.24	2546.304	2396.506	2162.302
#2	2760.346	35004.21	2482.508	2402.761	2156.210
#3	2773.136	34551.17	2509.313	2375.153	2168.718

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165531BL Acquired: 12/18/2024 23:57:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS531 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003059	.0009306	-.002442	.0016183	-.000658	.0085211	.0006498
Stddev	.000973	.0030072	.001717	.0039654	.000974	.0028790	.0009322
%RSD	31.82587	323.1371	70.32510	245.0421	148.0227	33.78661	143.4556
#1	-.003297	-.000835	-.003390	.0018147	-.000653	.0115368	.0008095
#2	-.003891	-.000776	-.003476	.0054818	-.001634	.0058018	-.000352
#3	-.001988	.004403	-.000460	-.002442	.000313	.0082246	.001492

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000088	-.000122	.0108539	.0006764	-.000517	-.002744	.0083478
Stddev	.000111	.000134	.0220032	.0008885	.000368	.007576	.0177357
%RSD	125.1164	110.0884	202.7212	131.3640	71.14430	276.1085	212.4599
#1	-.000166	-.000222	-.011333	-.000065	-.000544	-.011479	.0078498
#2	.000038	-.000174	.011225	.001661	-.000136	.001232	-.009134
#3	-.000138	.000030	.032669	.000434	-.000870	.002017	.026327

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032173	-.045816	.0000804	.0007854	1.134790	.0022285	.0104551
Stddev	.0003701	.050702	.0005708	.0003863	.171357	.0029376	.0092354
%RSD	11.50312	110.6637	710.3501	49.18191	15.10034	131.8206	88.33352
#1	.0034419	-.035512	.0002979	.0003509	1.038711	-.000711	.0054442
#2	.0027902	-.100878	.0005104	.0010898	1.033030	.002231	.0048083
#3	.0034200	-.001058	-.000567	.0009154	1.332629	.005165	.0211129

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1386219	-.000081	-.006507	-.000336	.0010204	-.002006	-.000625
Stddev	.2347771	.001417	.002096	.000339	.0026882	.000064	.000318
%RSD	169.3651	1741.805	32.21370	100.8153	263.4367	3.202561	50.82520
#1	.3089673	-.001715	-.005207	-.000511	.0035662	-.001968	-.000413
#2	.2360885	.000668	-.008925	-.000552	-.001791	-.002080	-.000990
#3	-.129190	.000804	-.005388	.000054	.001286	-.001970	-.000472

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165531BL Acquired: 12/18/2024 23:57:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS531 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0005110	.0001960	.0130280
Stddev	.0015439	.0001389	.0040790
%RSD	302.1212	70.86620	31.30934
#1	.0022841	.0000383	.0149815
#2	-.000214	.0002493	.0157627
#3	-.000537	.0003004	.0083396

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2408.994	30273.23	2216.410	2079.215	2172.664
Stddev	2.285	46.71	2.898	2.057	1.814
%RSD	.0948341	.1542867	.1307326	.0989435	.0834806
#1	2410.556	30307.33	2214.491	2080.398	2174.733
#2	2410.053	30292.36	2214.997	2076.840	2171.350
#3	2406.372	30219.99	2219.743	2080.409	2171.908

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165531BS Acquired: 12/19/2024 0:01:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS531 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0180278	.0481625	.0158044	.0627741	.1077127	.3978148
Stddev	.0030843	.0005695	.0033332	.0020879	.0025998	.0248817
%RSD	17.10838	1.182461	21.09025	3.326111	2.413652	6.254594
#1	.0176639	.0482876	.0164097	.0651546	.1106268	.3931917
#2	.0151416	.0486591	.0122101	.0612530	.1056311	.3755689
#3	.0212778	.0475409	.0187935	.0619148	.1068801	.4246838

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4109801	.0103994	.0096047	10.00370	.0207808	.1004529
Stddev	.0015424	.0000582	.0002216	.02619	.0004571	.0006147
%RSD	.3752911	.5596151	2.306854	.2617746	2.199383	.6119369
#1	.4126368	.0104562	.0093491	10.00604	.0202620	.1003422
#2	.4095857	.0104023	.0097237	9.97642	.0209564	.1011154
#3	.4107180	.0103399	.0097414	10.02864	.0211240	.0999011

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0529310	.1963985	.0346613	10.27248	.0767772	.0196290
Stddev	.0086403	.0149594	.0008144	.06525	.0009383	.0013361
%RSD	16.32370	7.616873	2.349562	.6352158	1.222166	6.806511
#1	.0621633	.1793592	.0339164	10.34781	.0759392	.0187416
#2	.0515904	.2073742	.0355308	10.23646	.0777910	.0189799
#3	.0450394	.2024619	.0345366	10.23318	.0766014	.0211656

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.34931	.1008113	.1152389	9.636214	.0166496	F -.004451
Stddev	.45431	.0113748	.0161693	.038273	.0013052	.003952
%RSD	4.002959	11.28330	14.03107	.3971791	7.839054	88.79041
#1	11.51881	.1126204	.0969626	9.660556	.0172723	-.002070
#2	11.69450	.0998862	.1276826	9.592099	.0151497	-.009013
#3	10.83462	.0899273	.1210714	9.655986	.0175268	-.002270

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165531BS Acquired: 12/19/2024 0:01:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS531 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0195728	.1766094	F .4764085	.0141715	.1980655	.2110964
Stddev	.0002030	.0044184	.0044268	.0002834	.0013371	.0006197
%RSD	1.036982	2.501798	.9291922	2.000116	.6750638	.2935643
#1	.0194027	.1717290	.4724489	.0141420	.1996094	.2109192
#2	.0195182	.1803376	.4755889	.0144685	.1973060	.2117854
#3	.0197974	.1777615	.4811878	.0139039	.1972811	.2105846

Elem	Li6707
Units	ppm
Avg	F .0442294
Stddev	.0062261
%RSD	14.07685
#1	.0490362
#2	.0464559
#3	.0371962

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2414.352	30227.82	2218.316	2081.934	2168.345
Stddev	8.987	105.79	6.341	4.513	9.624
%RSD	.3722448	.3499617	.2858271	.2167687	.4438551
#1	2422.809	30201.67	2225.487	2076.878	2177.300
#2	2404.915	30137.56	2216.008	2083.371	2158.168
#3	2415.333	30344.23	2213.453	2085.554	2169.568

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165547BL Acquired: 12/19/2024 0:05:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS547 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001677	-.001066	-.000724	.0004361	-.002205	-.010170	.0006274
Stddev	.003259	.002636	.002952	.0027478	.001304	.022432	.0009290
%RSD	194.3494	247.3738	407.4955	630.0682	59.13965	220.5834	148.0924
#1	-.004182	-.003963	-.002671	.0000002	-.002138	.005304	-.000443
#2	-.002856	-.000422	.002672	.0033758	-.003542	-.035896	.001101
#3	.002007	.001189	-.002175	-.002068	-.000936	.000083	.001224

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000226	-.000093	.0140184	.0011140	-.000471	.0063866	-.007542
Stddev	.0000916	.000019	.0436295	.0000751	.000249	.0071559	.032784
%RSD	405.6398	20.90045	311.2312	6.743047	52.97905	112.0460	434.6968
#1	.0001269	-.000109	.0636993	.0011597	-.000190	-.001798	.025028
#2	-.000044	-.000097	-.003584	.0011549	-.000666	.011459	-.007117
#3	-.000015	-.000071	-.018060	.0010273	-.000556	.009499	-.040537

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025565	-.045886	-.000055	.0004385	1.362222	-.002795	.0025670
Stddev	.0001554	.068169	.000341	.0001462	.693484	.008753	.0038966
%RSD	6.077232	148.5607	615.0746	33.34170	50.90832	313.1990	151.7961
#1	.0023814	-.042831	-.000395	.0004329	2.161300	-.010356	-.000200
#2	.0026778	-.115532	-.000058	.0002952	1.007701	-.004823	.007023
#3	.0026103	.020704	.000287	.0005874	.917665	.006794	.000877

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4319567	-.002348	-.004421	-.000188	.0016775	-.002104	-.001349
Stddev	.0978929	.000852	.003868	.000292	.0043715	.000674	.000602
%RSD	22.66267	36.28862	87.47890	155.3268	260.5951	32.03029	44.64088
#1	.3212376	-.001539	-.008671	.000127	.0066970	-.001653	-.001768
#2	.4675931	-.003238	-.001106	-.000242	-.000370	-.001780	-.000659
#3	.5070392	-.002269	-.003487	-.000449	-.001294	-.002879	-.001620

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165547BL Acquired: 12/19/2024 0:05:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS547 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.003758	.0001780	.0095226
Stddev	.001439	.0001997	.0045807
%RSD	38.29348	112.1881	48.10371
#1	-.003130	.0003149	.0146964
#2	-.005404	-.000051	.0078878
#3	-.002739	.000270	.0059835

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2430.215	30297.00	2213.975	2096.193	2186.294
Stddev	13.980	145.18	23.657	8.853	9.533
%RSD	.5752489	.4791944	1.068553	.4223603	.4360393
#1	2446.282	30130.50	2195.398	2085.976	2197.134
#2	2420.839	30397.20	2205.919	2101.621	2182.533
#3	2423.522	30363.29	2240.608	2100.981	2179.215

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165547BS Acquired: 12/19/2024 0:09:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS547 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0198282	.0517138	.0198929	.0662009	.1088745	.4264486
Stddev	.0012342	.0022321	.0023233	.0000948	.0022955	.0099965
%RSD	6.224567	4.316320	11.67901	.1431430	2.108439	2.344122
#1	.0207685	.0496692	.0218699	.0662590	.1109274	.4345547
#2	.0202855	.0540952	.0204749	.0660915	.1063959	.4152788
#3	.0184306	.0513771	.0173340	.0662521	.1093003	.4295123

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4171885	.0105972	.0098221	10.11495	.0217117	.1025724
Stddev	.0080133	.0001274	.0001248	.15842	.0005507	.0001890
%RSD	1.920797	1.202029	1.270547	1.566174	2.536238	.1842904
#1	.4079414	.0104546	.0098976	9.93498	.0217007	.1026108
#2	.4220995	.0106372	.0096780	10.17654	.0211667	.1023671
#3	.4215246	.0106998	.0098906	10.23331	.0222678	.1027393

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0538789	.1757848	.0352603	10.39040	.0778672	.0194707
Stddev	.0010888	.0211769	.0009584	.14867	.0009061	.0008685
%RSD	2.020807	12.04707	2.718172	1.430812	1.163685	4.460742
#1	.0550484	.1732075	.0353368	10.22102	.0777708	.0185375
#2	.0536938	.1560145	.0342659	10.45095	.0770131	.0196190
#3	.0528946	.1981324	.0361781	10.49924	.0788177	.0202555

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.87982	.1062643	.1241938	9.954177	.0166308	F -.007205
Stddev	.70827	.0107550	.0158983	.258875	.0009935	.000370
%RSD	5.961937	10.12103	12.80119	2.600662	5.973761	5.132551
#1	11.16488	.1183227	.1124043	9.730936	.0162519	-.006850
#2	11.89336	.1028074	.1179021	9.893640	.0177580	-.007588
#3	12.58122	.0976628	.1422751	10.23796	.0158825	-.007178

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165547BS Acquired: 12/19/2024 0:09:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS547 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0194688	.1833986	F .4825656	.0121078	.2006086	.2135659
Stddev	.0005623	.0040109	.0033862	.0003570	.0021528	.0035771
%RSD	2.888158	2.186991	.7016974	2.948305	1.073127	1.674921
#1	.0188864	.1835409	.4795605	.0116960	.1987229	.2094474
#2	.0195115	.1873365	.4819018	.0122980	.2001487	.2153534
#3	.0200086	.1793184	.4862345	.0123294	.2029542	.2158970

Elem	Li6707
Units	ppm
Avg	F .0403766
Stddev	.0040964
%RSD	10.14551
#1	.0358469
#2	.0438213
#3	.0414616

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2409.996	30167.36	2237.057	2081.382	2163.912
Stddev	7.462	146.20	15.345	7.299	5.330
%RSD	.3096181	.4846266	.6859356	.3506584	.2463219
#1	2414.337	30069.68	2252.322	2073.522	2164.596
#2	2414.270	30096.94	2237.214	2082.678	2168.867
#3	2401.380	30335.43	2221.634	2087.946	2158.273

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165547BSD Acquired: 12/19/2024 0:13:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD547 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0081087	.0257475	.0101424	.0343431	.0547832	.2143506	.2105370
Stddev	.0030621	.0023991	.0020523	.0012408	.0005981	.0030526	.0011534
%RSD	37.76294	9.317848	20.23452	3.613042	1.091797	1.424099	.5478475
#1	.0115751	.0229773	.0079559	.0338945	.0552030	.2172219	.2113102
#2	.0057719	.0271154	.0120270	.0333890	.0550482	.2146854	.2110895
#3	.0069791	.0271496	.0104442	.0357459	.0540984	.2111444	.2092112

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052464	.0047828	5.120448	.0102720	.0512647	.0289027	.1160023
Stddev	.0001043	.0000299	.024685	.0002548	.0002375	.0024244	.0540317
%RSD	1.988390	.6253971	.4820875	2.480410	.4633020	8.388262	46.57815
#1	.0051308	.0047806	5.116458	.0102852	.0515015	.0275597	.0831886
#2	.0052747	.0047541	5.098000	.0105199	.0512660	.0274469	.1783642
#3	.0053336	.0048138	5.146884	.0100109	.0510265	.0317014	.0864540

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0183125	5.256676	.0384115	.0086257	6.791704	.0544932	.0616914
Stddev	.0008379	.063131	.0005148	.0000981	.760717	.0055038	.0053967
%RSD	4.575512	1.200971	1.340126	1.137492	11.20068	10.09989	8.747944
#1	.0181699	5.186012	.0389999	.0086639	7.340785	.0535267	.0568560
#2	.0192126	5.276499	.0381909	.0085142	5.923385	.0495367	.0607048
#3	.0175552	5.307517	.0380439	.0086988	7.110943	.0604162	.0675134

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.357265	.0065424	-.006782	.0101175	.0864897	.2404532	.0063562
Stddev	.111342	.0023740	.002347	.0002540	.0049500	.0013755	.0003677
%RSD	2.078344	36.28681	34.60296	2.510133	5.723191	.5720411	5.784999
#1	5.461909	.0051275	-.006780	.0101730	.0809328	.2388727	.0059997
#2	5.369629	.0092832	-.004436	.0103391	.0904270	.2411080	.0067342
#3	5.240257	.0052164	-.009129	.0098404	.0881093	.2413791	.0063349

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165547BSD Acquired: 12/19/2024 0:13:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD547 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1017901	.1078749	.0275729
Stddev	.0033041	.0002074	.0032066
%RSD	3.245986	.1922173	11.62956
#1	.1051864	.1081138	.0284772
#2	.0985866	.1077414	.0240113
#3	.1015974	.1077695	.0302303

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2384.287	29964.45	2169.860	2056.648	2163.025
Stddev	8.825	151.48	6.015	12.278	10.709
%RSD	.3701384	.5055384	.2772240	.5969833	.4951134
#1	2374.322	29822.68	2165.843	2047.746	2151.185
#2	2391.117	29946.61	2166.962	2051.544	2172.036
#3	2387.421	30124.06	2176.776	2070.655	2165.853

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165529BL Acquired: 12/19/2024 0:17:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS529 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003002	.0018924	-.001211	.0009626	-.003076	.0075598	.0015885
Stddev	.002538	.0011910	.001714	.0011558	.001154	.0137293	.0002750
%RSD	84.55894	62.93284	141.4553	120.0698	37.50731	181.6089	17.31299
#1	-.000078	.0012251	-.000584	-.000288	-.003974	.0147383	.0014914
#2	-.004644	.0011847	-.003150	.001991	-.001775	-.008271	.0013751
#3	-.004282	.0032674	.000100	.001185	-.003479	.016212	.0018989

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000050	-.000056	.0369321	.0005230	-.000160	-.001014	.0063416
Stddev	.000062	.000160	.0261884	.0002870	.000618	.002043	.0228916
%RSD	123.3693	285.0919	70.90968	54.86878	385.4481	201.5484	360.9744
#1	-.000012	-.000190	.0339404	.0006640	-.000230	-.003096	.0257786
#2	-.000017	-.000099	.0644878	.0001928	.000490	.000987	-.018891
#3	-.000121	.000121	.0123680	.0007123	-.000740	-.000931	.012137

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010397	-.024160	-.000635	-.000431	1.903954	.0071032	-.000306
Stddev	.0006783	.063668	.000369	.000603	.189523	.0066361	.008437
%RSD	65.23806	263.5290	58.03991	139.6813	9.954201	93.42300	2759.043
#1	.0013507	-.097049	-.000354	.000021	1.738571	-.000272	-.005422
#2	.0002617	.003982	-.000499	-.000200	1.862526	.008989	-.004927
#3	.0015068	.020588	-.001052	-.001116	2.110764	.012592	.009432

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4111649	-.000540	-.006907	-.000064	.0013341	-.003389	-.001499
Stddev	.1608525	.002382	.000913	.000282	.0057694	.000734	.001130
%RSD	39.12118	440.9048	13.22202	442.3474	432.4597	21.66004	75.38307
#1	.4182298	-.000513	-.005881	.000039	.0077256	-.004017	-.000267
#2	.2468963	-.002935	-.007208	.000153	-.000234	-.003567	-.002487
#3	.5683685	.001828	-.007632	-.000383	-.003489	-.002582	-.001744

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165529BL Acquired: 12/19/2024 0:17:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS529 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.002023	.0000125	.0143993
Stddev	.004874	.0001562	.0017473
%RSD	240.8917	1251.353	12.13456
#1	.002197	-.000078	.0140294
#2	-.007358	.000193	.0163019
#3	-.000909	-.000077	.0128665

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2386.795	30015.10	2187.446	2060.834	2154.807
Stddev	6.424	59.22	31.641	8.156	2.371
%RSD	.2691303	.1972897	1.446471	.3957717	.1100239
#1	2382.347	30054.40	2223.644	2068.502	2152.214
#2	2394.160	29946.99	2165.056	2052.265	2156.863
#3	2383.879	30043.91	2173.638	2061.736	2155.346

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165529BS Acquired: 12/19/2024 0:21:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS529 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0202137	.0483185	.0195549	.0632941	.1110579	.3976509
Stddev	.0020152	.0021799	.0020411	.0029575	.0019117	.0190090
%RSD	9.969566	4.511615	10.43768	4.672583	1.721313	4.780331
#1	.0218830	.0458650	.0210393	.0598989	.1106684	.4157058
#2	.0179751	.0490579	.0203980	.0646735	.1093710	.3994335
#3	.0207832	.0500326	.0172273	.0653098	.1131343	.3778134

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4200150	.0107738	.0098049	10.25466	.0210713	.1037047
Stddev	.0028625	.0001883	.0000443	.14116	.0001829	.0004532
%RSD	.6815161	1.748028	.4520069	1.376561	.8682117	.4370430
#1	.4220632	.0106362	.0097884	10.39949	.0209096	.1036038
#2	.4167442	.0106967	.0098551	10.24701	.0210344	.1033104
#3	.4212375	.0109884	.0097712	10.11748	.0212699	.1041999

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0574680	.2009929	.0340927	10.49686	.0775692	.0193708
Stddev	.0043880	.0108111	.0017636	.15350	.0004988	.0008226
%RSD	7.635593	5.378824	5.173035	1.462373	.6430023	4.246538
#1	.0623453	.2116730	.0359964	10.66921	.0770063	.0186708
#2	.0562180	.2012502	.0325146	10.44655	.0779561	.0191648
#3	.0538405	.1900555	.0337670	10.37483	.0777453	.0202768

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.15090	.1127802	.1192096	10.36376	.0164735	F -.005950
Stddev	.34961	.0034190	.0077711	.17931	.0018352	.003730
%RSD	3.135219	3.031538	6.518889	1.730152	11.14043	62.69131
#1	11.45899	.1165931	.1109883	10.16224	.0143591	-.007788
#2	11.22277	.1117600	.1202060	10.50567	.0174081	-.008405
#3	10.77095	.1099874	.1264345	10.42337	.0176533	-.001658

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165529BS Acquired: 12/19/2024 0:21:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS529 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0197019	.1820539	F .4881605	.0128770	.2043127	.2156359
Stddev	.0003089	.0035587	.0026547	.0015362	.0006706	.0012996
%RSD	1.567627	1.954759	.5438072	11.92984	.3282299	.6026679
#1	.0197358	.1809389	.4892456	.0135550	.2050126	.2171267
#2	.0199924	.1860366	.4851351	.0139576	.2042495	.2150392
#3	.0193775	.1791862	.4901006	.0111185	.2036759	.2147419

Elem	Li6707
Units	ppm
Avg	F .0415483
Stddev	.0062161
%RSD	14.96110
#1	.0443720
#2	.0344216
#3	.0458514

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2397.111	29980.62	2199.322	2054.523	2154.097
Stddev	8.008	85.86	14.743	12.040	5.450
%RSD	.3340548	.2864003	.6703524	.5860376	.2530207
#1	2391.886	29881.53	2186.714	2040.829	2153.635
#2	2406.330	30027.12	2215.533	2059.292	2159.763
#3	2393.116	30033.20	2195.718	2063.449	2148.892

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165552BL Acquired: 12/19/2024 0:25:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS552 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007649	.0021910	-.002648	-.001490	-.000302	-.013609	.0004664
Stddev	.0027159	.0017550	.002653	.003311	.000799	.015022	.0013871
%RSD	355.0821	80.10205	100.1850	222.1460	264.4057	110.3848	297.3911
#1	.0010181	.0025042	-.004965	-.004997	-.000817	-.010111	.0012109
#2	-.002069	.0037683	.000246	-.001056	-.000708	-.000644	.0013224
#3	.003345	.0003004	-.003226	.001582	.000618	-.030071	-.001134

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000096	-.000139	-.010481	-.000383	.0000168	-.001979	.0040924
Stddev	.000175	.000037	.033600	.000887	.0002522	.003169	.0223404
%RSD	182.5893	26.33570	320.5685	231.4533	1503.500	160.1379	545.9019
#1	-.000028	-.000097	-.042349	-.000407	.0002622	-.005364	.0229722
#2	.000035	-.000154	.024617	.000515	-.000242	.000916	-.020571
#3	-.000295	-.000166	-.013711	-.001257	.000030	-.001489	.009876

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026455	-.050795	-.000131	.0002490	1.377308	.0012447	.0016256
Stddev	.0007220	.020372	.000460	.0011859	.295660	.0076289	.0131389
%RSD	27.29039	40.10558	352.0042	476.3697	21.46653	612.9202	808.2337
#1	.0018252	-.050513	.000120	.0012308	1.590937	-.006349	-.009708
#2	.0029271	-.030566	-.000662	-.001069	1.039871	.001175	-.001442
#3	.0031842	-.071306	.000150	.000585	1.501118	.008908	.016027

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2636734	-.002148	-.004613	-.000129	-.001011	-.003067	-.000884
Stddev	.0513890	.001132	.001811	.000200	.003575	.001025	.000825
%RSD	19.48964	52.70401	39.24664	154.2153	353.5477	33.43042	93.28283
#1	.2091975	-.003123	-.003245	.000060	.002872	-.003513	-.000926
#2	.3112857	-.000907	-.003929	-.000338	-.004167	-.003794	-.000040
#3	.2705371	-.002413	-.006666	-.000110	-.001739	-.001894	-.001688

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165552BL Acquired: 12/19/2024 0:25:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS552 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.002137	.0000721	.0112087
Stddev	.003161	.0001432	.0021316
%RSD	147.8929	198.7320	19.01714
#1	-.004348	-.000031	.0097943
#2	.001483	.000012	.0136604
#3	-.003547	.000235	.0101715

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2422.619	30063.83	2207.716	2073.116	2180.208
Stddev	17.255	158.54	16.483	11.200	12.598
%RSD	.7122452	.5273327	.7466188	.5402293	.5778119
#1	2404.516	29891.70	2193.183	2061.562	2168.815
#2	2424.461	30203.85	2204.339	2083.924	2178.074
#3	2438.878	30095.95	2225.627	2073.861	2193.737

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165552BS Acquired: 12/19/2024 0:29:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS552 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0199124	.0536273	.0174471	.0655524	.1102413	.4079184
Stddev	.0058651	.0011596	.0029270	.0027938	.0014572	.0255824
%RSD	29.45465	2.162366	16.77665	4.261989	1.321858	6.271460
#1	.0131693	.0549657	.0181361	.0686904	.1109513	.4153698
#2	.0227386	.0529219	.0142370	.0633351	.1085651	.3794375
#3	.0238294	.0529944	.0199681	.0646316	.1112075	.4289478

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4219813	.0106880	.0098899	10.30394	.0215317	.1037335
Stddev	.0019968	.0001839	.0000496	.10545	.0003400	.0003927
%RSD	.4732018	1.720364	.5011047	1.023372	1.579081	.3785704
#1	.4199211	.0106982	.0099057	10.18566	.0211799	.1032806
#2	.4221149	.0108666	.0099296	10.38810	.0215566	.1039786
#3	.4239080	.0104993	.0098344	10.33807	.0218585	.1039414

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0509315	.1907560	.0354254	10.61510	.0785589	.0195011
Stddev	.0056906	.0249975	.0006702	.09903	.0008276	.0007063
%RSD	11.17312	13.10444	1.891757	.9329433	1.053430	3.621681
#1	.0567856	.2031754	.0354189	10.52887	.0795017	.0187082
#2	.0454198	.1619809	.0347585	10.59317	.0779526	.0200627
#3	.0505889	.2071115	.0360988	10.72326	.0782224	.0197324

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.39278	.1083998	.1153169	10.22269	.0184480	F -.004412
Stddev	.27864	.0044685	.0033240	.13064	.0009643	.004012
%RSD	2.445775	4.122224	2.882526	1.277906	5.227283	90.91992
#1	11.17134	.1118930	.1156300	10.37347	.0174940	-.005954
#2	11.30134	.1099418	.1184734	10.14352	.0184277	.000142
#3	11.70565	.1033645	.1118474	10.15108	.0194224	-.007424

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165552BS Acquired: 12/19/2024 0:29:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS552 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0196167	.1863496	F .4899068	.0128734	.2007091	.2164123
Stddev	.0006929	.0014016	.0021961	.0007897	.0042319	.0007088
%RSD	3.532118	.7521253	.4482719	6.134463	2.108496	.3275065
#1	.0192507	.1871551	.4895529	.0131762	.1958421	.2161916
#2	.0204159	.1847312	.4922583	.0134668	.2035221	.2158401
#3	.0191836	.1871625	.4879090	.0119770	.2027629	.2172051

Elem	Li6707
Units	ppm
Avg	F .0449370
Stddev	.0068185
%RSD	15.17340
#1	.0386388
#2	.0521777
#3	.0439946

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2412.633	30317.14	2211.198	2093.317	2160.559
Stddev	7.589	109.40	6.999	14.634	3.258
%RSD	.3145565	.3608587	.3165072	.6991032	.1507817
#1	2416.157	30265.57	2216.934	2085.743	2162.094
#2	2417.820	30243.05	2203.400	2084.021	2162.765
#3	2403.923	30442.79	2213.259	2110.186	2156.817

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165552BSD Acquired: 12/19/2024 0:33:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD552 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0097139	.0258466	.0095123	.0297163	.0530474	.2101309	.2084255
Stddev	.0044672	.0026494	.0009645	.0009461	.0019770	.0198929	.0028548
%RSD	45.98757	10.25056	10.13909	3.183601	3.726940	9.466904	1.369710
#1	.0148062	.0228999	.0101436	.0305938	.0509759	.1885479	.2091868
#2	.0078798	.0280320	.0099911	.0287141	.0532522	.2141140	.2052672
#3	.0064556	.0266080	.0084021	.0298411	.0549140	.2277310	.2108225

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052718	.0047716	5.309370	.0105748	.0514283	.0293500	.1092009
Stddev	.0001412	.0001679	.087606	.0010646	.0004630	.0048736	.0204356
%RSD	2.678563	3.517970	1.650035	10.06694	.9003060	16.60519	18.71380
#1	.0053256	.0048680	5.327242	.0101470	.0513016	.0341571	.1000557
#2	.0051116	.0045777	5.214205	.0117866	.0519415	.0294803	.0949349
#3	.0053782	.0048689	5.386662	.0097906	.0510418	.0244125	.1326120

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0172397	5.260998	.0385623	.0104987	7.255609	.0519893	.0738290
Stddev	.0006294	.141246	.0008973	.0007473	.372313	.0058290	.0007367
%RSD	3.651022	2.684774	2.326835	7.118386	5.131381	11.21197	.9977928
#1	.0172902	5.163632	.0395475	.0110931	6.826874	.0555334	.0729801
#2	.0178423	5.196366	.0377919	.0096597	7.497483	.0551727	.0743014
#3	.0165865	5.422996	.0383475	.0107432	7.442470	.0452617	.0742053

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.136719	.0080246	-.005362	.0098978	.0943916	.2408987	.0060041
Stddev	.228725	.0024955	.002412	.0004530	.0037894	.0054105	.0009974
%RSD	4.452745	31.09804	44.99034	4.576505	4.014547	2.245973	16.61270
#1	5.253114	.0104824	-.003946	.0103046	.0958962	.2422287	.0048600
#2	4.873206	.0054931	-.008147	.0094097	.0900809	.2349473	.0066911
#3	5.283836	.0080982	-.003992	.0099790	.0971976	.2455203	.0064611

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165552BSD Acquired: 12/19/2024 0:33:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD552 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0960946	.1073306	.0312786
Stddev	.0030047	.0018511	.0023816
%RSD	3.126848	1.724657	7.614071
#1	.0928806	.1074824	.0339705
#2	.0965697	.1054083	.0294455
#3	.0988335	.1091011	.0304198

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2414.042	30251.25	2226.241	2094.923	2184.073
Stddev	11.510	97.09	34.101	14.438	8.800
%RSD	.4767959	.3209339	1.531774	.6891936	.4029066
#1	2425.440	30338.32	2224.188	2110.313	2190.828
#2	2414.263	30268.87	2261.323	2092.778	2187.269
#3	2402.423	30146.56	2193.213	2081.677	2174.122

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165321BL Acquired: 12/19/2024 0:37:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS321 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031663	.0003416	-.003040	.0042393	.0000889	.0029354	.0005375
Stddev	.0025114	.0007464	.000556	.0013145	.0014259	.0076299	.0023739
%RSD	79.31641	218.4640	18.28372	31.00694	1602.988	259.9261	441.6687
#1	.0002737	-.000519	-.003525	.0050820	.0005672	.0111449	-.001238
#2	.0047903	.000803	-.002434	.0049112	-.001515	.0016000	.003234
#3	.0044350	.000741	-.003162	.0027247	.001214	-.003939	-.000384

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000142	-.000085	-.005074	-.000099	-.000553	-.001720	-.007089
Stddev	.000094	.000005	.033472	.001845	.000180	.003338	.037183
%RSD	66.55314	5.800131	659.6447	1858.898	32.57411	194.1305	524.5468
#1	-.000034	-.000090	.011697	-.001426	-.000666	-.004378	-.013025
#2	-.000210	-.000081	-.043616	-.000879	-.000345	.002027	.032706
#3	-.000181	-.000083	.016696	.002008	-.000646	-.002808	-.040947

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022172	-.045278	-.000091	.0005101	1.791054	.0009703	.0084261
Stddev	.0021266	.059420	.000522	.0013217	.395888	.0023903	.0167701
%RSD	95.91314	131.2340	571.9162	259.1063	22.10362	246.3495	199.0261
#1	.0012980	.000969	-.000568	.0019134	1.383508	-.000127	.0122748
#2	.0046487	-.112296	-.000173	-.000711	2.174150	-.000675	.0229372
#3	.0007048	-.024508	.000467	.000328	1.815502	.003712	-.009934

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3048716	-.000851	-.005824	-.000313	.0019373	-.002717	-.001085
Stddev	.1796813	.000256	.003207	.000254	.0023849	.000534	.001881
%RSD	58.93672	30.12296	55.07096	81.32498	123.1012	19.66142	173.3147
#1	.1005192	-.000582	-.005108	-.000138	.0040532	-.003195	-.002625
#2	.3759763	-.000878	-.003035	-.000196	.0024058	-.002815	.001011
#3	.4381193	-.001092	-.009329	-.000605	-.000647	-.002140	-.001640

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165321BL Acquired: 12/19/2024 0:37:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS321 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.004059	.0001834	.0146463
Stddev	.000355	.0003794	.0026847
%RSD	8.741656	206.9115	18.33044
#1	-.004375	-.000204	.0123236
#2	-.003675	.000199	.0140295
#3	-.004127	.000555	.0175857

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2396.416	30178.72	2177.882	2072.660	2165.699
Stddev	9.027	114.51	14.738	11.158	8.489
%RSD	.3766732	.3794478	.6767108	.5383298	.3919674
#1	2405.777	30169.23	2175.230	2059.822	2172.963
#2	2395.704	30069.24	2164.650	2078.141	2167.766
#3	2387.766	30297.68	2193.766	2080.017	2156.367

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCV064 Acquired: 12/19/2024 0:41:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV064 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.802711	4.870646	25.31982	5.316151	5.429551	412.6037	10.42998
Stddev	.023377	.042082	.20433	.032145	.045567	2.0823	.04856
%RSD	.4867509	.8639917	.8070104	.6046607	.8392325	.5046645	.4656156
#1	4.818414	4.891682	25.45907	5.341074	5.461232	411.8408	10.40520
#2	4.775845	4.822193	25.08524	5.279869	5.377330	411.0105	10.39880
#3	4.813874	4.898061	25.41514	5.327509	5.450092	414.9598	10.48593

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5227103	2.530866	412.9419	15.39976	2.536850	15.26409	418.6376
Stddev	.0020768	.019073	1.8258	.05830	.020475	.05613	1.6658
%RSD	.3973044	.7536230	.4421396	.3785592	.8071206	.3677448	.3979188
#1	.5207381	2.543414	413.0973	15.33962	2.552260	15.29301	417.7547
#2	.5225150	2.508917	411.0434	15.45602	2.513616	15.19939	417.5991
#3	.5248778	2.540267	414.6851	15.40363	2.544674	15.29986	420.5590

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.71948	414.1906	2.528492	1.287620	417.7749	2.572486	15.20070
Stddev	.06954	1.5994	.022953	.006527	2.0427	.016263	.16583
%RSD	.4423793	.3861627	.9077805	.5069415	.4889457	.6322032	1.090925
#1	15.67202	412.7758	2.545027	1.280614	416.9426	2.560749	15.37699
#2	15.68711	413.8699	2.502286	1.293530	416.2797	2.565659	15.04783
#3	15.79930	415.9261	2.538163	1.288718	420.1023	2.591050	15.17727

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	153.7287	5.076037	4.930448	4.963648	5.156862	4.818910	5.096067
Stddev	1.1995	.040574	.030436	.039499	.046535	.026068	.041393
%RSD	.7802994	.7993311	.6173004	.7957679	.9023887	.5409480	.8122508
#1	153.2342	5.103217	4.896133	4.997892	5.183358	4.790537	5.119510
#2	152.8554	5.029399	4.941036	4.920436	5.103130	4.824393	5.048274
#3	155.0964	5.095496	4.954176	4.972617	5.184098	4.841801	5.120418

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCV064 Acquired: 12/19/2024 0:41:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV064 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.198162	4.980459	5.241513
Stddev	.028636	.022121	.023623
%RSD	.5508922	.4441515	.4506931
#1	5.175244	4.970237	5.236503
#2	5.188979	4.965298	5.220797
#3	5.230264	5.005842	5.267239

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2047.731	26859.90	2124.228	1749.700	1750.309
Stddev	10.258	62.24	11.524	8.979	8.676
%RSD	.5009503	.2317030	.5425164	.5131742	.4956712
#1	2037.293	26927.03	2134.327	1742.020	1743.942
#2	2057.799	26804.13	2126.683	1759.573	1760.190
#3	2048.102	26848.54	2111.674	1747.509	1746.794

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCB064 Acquired: 12/19/2024 0:44:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB064 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019043	.0000138	.0024141	.0008421	-.001497	-.002793
Stddev	.0041044	.0032211	.0004928	.0008792	.001008	.010638
%RSD	215.5390	23404.02	20.41273	104.4069	67.31841	380.9244
#1	.0059594	.0037321	.0022851	.0010897	-.002245	.006939
#2	-.002248	-.001770	.0029585	.0015711	-.001896	-.001168
#3	.002001	-.001921	.0019986	-.000134	-.000351	-.014149

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014599	-.000032	-.000087	-.005025	.0011759	-.000443
Stddev	.0006292	.000059	.000028	.073154	.0006199	.000267
%RSD	43.09621	183.5220	32.66374	1455.780	52.71711	60.34818
#1	.0011327	-.000048	-.000076	-.004337	.0009676	-.000372
#2	.0010617	-.000082	-.000119	.067783	.0006870	-.000218
#3	.0021852	.000033	-.000065	-.078521	.0018731	-.000739

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001919	.0151258	.0020229	-.042643	.0001072	.0006846
Stddev	.0069967	.0103162	.0006965	.080613	.0007053	.0003334
%RSD	3647.054	68.20220	34.42989	189.0448	658.0206	48.69938
#1	-.001313	.0207037	.0021396	.030994	.0009154	.0008415
#2	.007819	.0214522	.0026536	-.030147	-.000210	.0003017
#3	-.005930	.0032216	.0012754	-.128774	-.000384	.0009105

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.293982	-.000074	.0159072	.3495634	-.001945	.0099567
Stddev	.252482	.006415	.0041786	.0304842	.001717	.0024807
%RSD	19.51201	8680.802	26.26889	8.720642	88.26852	24.91493
#1	1.178296	-.003739	.0145093	.3810028	-.000275	.0102158
#2	1.583578	-.003817	.0126068	.3201340	-.001855	.0073567
#3	1.120071	.007334	.0206056	.3475532	-.003705	.0122978

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCB064 Acquired: 12/19/2024 0:44:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB064 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002092	.0020049	-.001684	.0001133	.0006386	.0002765
Stddev	.0003332	.0036986	.000862	.0010483	.0012274	.0002011
%RSD	159.2449	184.4764	51.19737	925.1776	192.2101	72.75191
#1	-.000126	.0062109	-.002294	-.000714	-.000554	.0005049
#2	.000213	-.000740	-.002061	.001292	.001898	.0001258
#3	.000541	.000544	-.000698	-.000239	.000571	.0001987

Elem	Li6707
Units	ppm
Avg	F .0227296
Stddev	.0046426
%RSD	20.42547
#1	.0211210
#2	.0279626
#3	.0191052

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2406.166	30065.92	2198.198	2070.787	2171.724
Stddev	6.593	203.65	16.164	11.018	5.269
%RSD	.2739947	.6773539	.7353078	.5320760	.2426342
#1	2398.764	30026.83	2216.847	2065.818	2165.696
#2	2411.407	29884.65	2188.222	2063.129	2175.450
#3	2408.328	30286.29	2189.524	2083.415	2174.028

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165321BS Acquired: 12/19/2024 0:48:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS321 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0220983	.0499185	.0204254	.0645950	.1068785	.3958285
Stddev	.0028473	.0044516	.0019197	.0013331	.0012498	.0048733
%RSD	12.88496	8.917656	9.398779	2.063740	1.169366	1.231161
#1	.0246345	.0455451	.0225783	.0652643	.1057516	.3999992
#2	.0190182	.0497662	.0188915	.0630599	.1082227	.3904716
#3	.0226421	.0544443	.0198065	.0654609	.1066612	.3970146

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4103419	.0103822	.0095673	10.03139	.0212500	.1012476
Stddev	.0009399	.0001586	.0000646	.09222	.0002319	.0006855
%RSD	.2290425	1.527648	.6757314	.9192803	1.091460	.6770411
#1	.4108593	.0105654	.0096321	10.08799	.0211207	.1017120
#2	.4109093	.0102919	.0095028	10.08120	.0215178	.1004603
#3	.4092570	.0102895	.0095671	9.92498	.0211116	.1015706

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0544157	.1946204	.0342060	10.31820	.0766308	.0202508
Stddev	.0060982	.0363811	.0012040	.07319	.0004085	.0007599
%RSD	11.20669	18.69338	3.519737	.7093285	.5330235	3.752594
#1	.0473777	.2364722	.0346425	10.23949	.0767209	.0193952
#2	.0581301	.1705467	.0351308	10.38421	.0769867	.0208473
#3	.0577392	.1768423	.0328446	10.33089	.0761848	.0205100

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.69375	.1045772	.1185768	10.02026	.0167184	F -.001280
Stddev	.60521	.0044436	.0087758	.21592	.0016032	.001011
%RSD	5.659461	4.249061	7.400939	2.154844	9.589393	78.97173
#1	10.10582	.0994690	.1114345	10.04957	.0148677	-.000612
#2	11.31487	.1067132	.1159225	10.22003	.0176063	-.000784
#3	10.66055	.1075494	.1283733	9.79118	.0176812	-.002442

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165321BS Acquired: 12/19/2024 0:48:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS321 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0192962	.1813978	F .4757811	.0135325	.1978124	.2110921
Stddev	.0003958	.0036090	.0052767	.0007836	.0030026	.0001324
%RSD	2.050986	1.989564	1.109056	5.790823	1.517914	.0627031
#1	.0189947	.1841976	.4778993	.0142839	.2012658	.2111417
#2	.0191495	.1826712	.4796695	.0127201	.1963519	.2111925
#3	.0197444	.1773247	.4697744	.0135934	.1958193	.2109421

Elem	Li6707
Units	ppm
Avg	F .0489320
Stddev	.0029392
%RSD	6.006650
#1	.0467600
#2	.0522764
#3	.0477594

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2418.275	30313.95	2231.509	2092.813	2170.163
Stddev	7.015	66.77	11.530	13.957	3.682
%RSD	.2900909	.2202616	.5166929	.6669201	.1696656
#1	2412.079	30302.22	2223.045	2083.985	2166.980
#2	2425.892	30385.81	2226.840	2108.904	2174.195
#3	2416.855	30253.82	2244.641	2085.549	2169.313

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165576BL Acquired: 12/19/2024 0:52:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS576 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000426	-.000574	-.000748	.0033772	-.001915	-.001230	-.000154
Stddev	.003035	.001660	.001155	.0017854	.001849	.007270	.000431
%RSD	712.1491	289.4879	154.3634	52.86502	96.56722	591.0342	280.9871
#1	.000384	.001340	-.000673	.0017896	-.002453	.007143	.000060
#2	-.003784	-.001433	.000367	.0053100	-.003436	-.005937	.000129
#3	.002122	-.001628	-.001939	.0030322	.000144	-.004897	-.000650

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000711	-.000077	.0183460	.0005180	-.000228	.0065610	-.023727
Stddev	.0000846	.000034	.0380959	.0009683	.000280	.0044541	.009941
%RSD	119.1149	44.53662	207.6522	186.9265	122.6846	67.88732	41.89887
#1	-.000013	-.000037	-.018127	.0000044	-.000502	.0099239	-.019356
#2	.000070	-.000099	.057880	.0016348	-.000240	.0082495	-.035105
#3	.000156	-.000094	.015285	-.000085	.000058	.0015095	-.016720

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016269	-.021515	-.000052	.0010744	.8345416	.0062308	.0102385
Stddev	.0021007	.048776	.001075	.0009622	.9190917	.0020918	.0035554
%RSD	129.1225	226.7049	2067.617	89.56393	110.1313	33.57232	34.72562
#1	.0012191	-.055510	-.000596	.0006392	-.159435	.0068302	.0120812
#2	.0039017	.034372	.001186	.0004066	1.653614	.0039047	.0124943
#3	-.000240	-.043407	-.000746	.0021773	1.009446	.0079575	.0061400

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3214722	-.003120	-.002247	-.000320	.0010511	-.001684	-.000793
Stddev	.2050340	.002537	.002736	.000348	.0042616	.000114	.001257
%RSD	63.77969	81.30680	121.7868	108.6645	405.4304	6.762477	158.3940
#1	.4672468	-.000204	-.005406	-.000306	.0055552	-.001582	-.002086
#2	.4101438	-.004339	-.000700	.000020	.0005156	-.001807	.000423
#3	.0870261	-.004817	-.000634	-.000676	-.002917	-.001664	-.000717

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165576BL Acquired: 12/19/2024 0:52:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS576 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.003882	.0003850	.0149577
Stddev	.001881	.0002381	.0021161
%RSD	48.45703	61.85389	14.14718
#1	-.005690	.0001126	.0133111
#2	-.001935	.0005537	.0142177
#3	-.004022	.0004886	.0173445

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2416.497	30402.64	2227.302	2105.688	2174.175
Stddev	10.849	265.45	5.005	21.134	12.331
%RSD	.4489526	.8731044	.2246915	1.003680	.5671499
#1	2426.838	30138.64	2221.646	2082.881	2186.272
#2	2405.203	30669.52	2231.154	2124.611	2161.623
#3	2417.451	30399.77	2229.108	2109.571	2174.630

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165576BS Acquired: 12/19/2024 0:56:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS576 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0184969	.0512820	.0181259	.0636843	.1115637	.4094140
Stddev	.0025806	.0009872	.0020293	.0029156	.0006010	.0081847
%RSD	13.95149	1.925048	11.19540	4.578168	.5387182	1.999119
#1	.0157501	.0523295	.0193097	.0641547	.1108867	.4186641
#2	.0188700	.0511477	.0192854	.0605621	.1120347	.4031111
#3	.0208707	.0503689	.0157828	.0663360	.1117695	.4064667

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4098729	.0103222	.0097270	10.07225	.0211229	.1016048
Stddev	.0020480	.0000716	.0000930	.04181	.0004725	.0001174
%RSD	.4996623	.6941509	.9561024	.4150852	2.236859	.1155137
#1	.4122260	.0103131	.0097061	10.06685	.0207971	.1017390
#2	.4089005	.0102556	.0098287	10.03340	.0209069	.1015216
#3	.4084923	.0103980	.0096463	10.11650	.0216648	.1015538

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0593740	.2317851	.0342890	10.33159	.0766605	.0200798
Stddev	.0046608	.0295801	.0008705	.08115	.0005777	.0002429
%RSD	7.849830	12.76185	2.538833	.7854375	.7536208	1.209554
#1	.0588508	.2406127	.0352501	10.42166	.0770942	.0202899
#2	.0549968	.2559464	.0340635	10.26417	.0760047	.0198139
#3	.0642742	.1987962	.0335534	10.30895	.0768826	.0201356

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.55262	.1043736	.1182078	10.04595	.0188401	F -.002146
Stddev	.52388	.0142059	.0093541	.16631	.0007369	.001464
%RSD	4.534723	13.61062	7.913281	1.655498	3.911076	68.23153
#1	12.02040	.0996973	.1078152	10.22041	.0195168	-.003345
#2	11.65092	.1203282	.1259526	9.88921	.0189485	-.002579
#3	10.98656	.0930954	.1208555	10.02822	.0180551	-.000514

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165576BS Acquired: 12/19/2024 0:56:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS576 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0192462	.1803364	F .4804917	.0127939	.1987972	.2114749
Stddev	.0004422	.0016752	.0011105	.0010102	.0034609	.0004397
%RSD	2.297619	.9289355	.2311233	7.895515	1.740900	.2079066
#1	.0193393	.1784050	.4816402	.0138181	.1987079	.2119546
#2	.0187649	.1812109	.4804113	.0117984	.1953819	.2110911
#3	.0196345	.1813935	.4794235	.0127653	.2023019	.2113791

Elem	Li6707
Units	ppm
Avg	F .0418054
Stddev	.0049048
%RSD	11.73240
#1	.0438493
#2	.0453577
#3	.0362092

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2401.616	30124.65	2223.788	2075.844	2157.225
Stddev	4.588	241.42	5.204	20.010	5.051
%RSD	.1910373	.8014057	.2340329	.9639578	.2341501
#1	2400.829	30289.46	2217.875	2088.296	2156.397
#2	2406.546	29847.53	2227.673	2052.762	2162.639
#3	2397.472	30236.95	2225.816	2086.474	2152.639

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165576BSD Acquired: 12/19/2024 1:00:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD576 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0107568	.0238493	.0081481	.0340410	.0514134	.1985014	.2053891
Stddev	.0087764	.0049977	.0007769	.0008783	.0006782	.0175276	.0037650
%RSD	81.58963	20.95517	9.534217	2.580212	1.319099	8.829942	1.833121
#1	.0191216	.0240184	.0072546	.0330383	.0520620	.2187372	.2084279
#2	.0115289	.0187692	.0085257	.0346743	.0514691	.1880694	.2011772
#3	.0016198	.0287602	.0086638	.0344105	.0507090	.1886975	.2065623

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051077	.0047091	5.023545	.0113381	.0504122	.0269900	.1058936
Stddev	.0001579	.0000264	.052265	.0007786	.0002726	.0022743	.0104470
%RSD	3.092367	.5614248	1.040406	6.867067	.5407275	8.426407	9.865560
#1	.0052591	.0047395	5.072647	.0110816	.0501465	.0273948	.1166748
#2	.0049439	.0046913	4.968607	.0122125	.0506912	.0290346	.1051896
#3	.0051201	.0046965	5.029381	.0107200	.0503989	.0245404	.0958164

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0179349	5.205525	.0380645	.0099052	6.007012	.0516913	.0586778
Stddev	.0009674	.075743	.0001944	.0001811	.427333	.0082432	.0057323
%RSD	5.393887	1.455043	.5105768	1.827824	7.113897	15.94706	9.769128
#1	.0169569	5.292574	.0380472	.0101141	5.887722	.0611374	.0592027
#2	.0188913	5.154667	.0382669	.0097939	5.652000	.0479828	.0641296
#3	.0179564	5.169334	.0378794	.0098075	6.481315	.0459536	.0527011

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.899370	.0080997	-.006605	.0099931	.0859164	.2380216	.0054235
Stddev	.308158	.0028562	.001499	.0001021	.0036428	.0016879	.0009314
%RSD	6.289737	35.26219	22.69905	1.021273	4.239912	.7091513	17.17329
#1	5.057651	.0070633	-.004918	.0099480	.0885602	.2378036	.0059791
#2	4.544238	.0059065	-.007112	.0099214	.0874277	.2364532	.0059431
#3	5.096222	.0113294	-.007785	.0101099	.0817612	.2398079	.0043482

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165576BSD Acquired: 12/19/2024 1:00:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD576 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0978510	.1054273	.0314882
Stddev	.0040100	.0017816	.0059940
%RSD	4.098036	1.689867	19.03567
#1	.1003998	.1063054	.0383271
#2	.0932288	.1033771	.0271468
#3	.0999243	.1065993	.0289907

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2403.903	30176.20	2208.882	2074.918	2178.624
Stddev	3.361	91.26	32.387	3.235	6.860
%RSD	.1398115	.3024268	1.466221	.1558935	.3148984
#1	2402.201	30078.68	2189.798	2073.003	2177.787
#2	2401.734	30190.37	2246.277	2073.099	2172.220
#3	2407.775	30259.54	2190.571	2078.653	2185.864

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165529BSD Acquired: 12/19/2024 1:04:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD529 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0132649	.0235866	.0090530	.0306772	.0548948	.1918589	.2124838
Stddev	.0056424	.0020252	.0036990	.0031231	.0029735	.0036665	.0001643
%RSD	42.53602	8.586165	40.85896	10.18037	5.416740	1.911029	.0773027
#1	.0128910	.0247003	.0108904	.0324617	.0524513	.1877462	.2126720
#2	.0190849	.0248106	.0114736	.0324988	.0540275	.1947855	.2124107
#3	.0078188	.0212490	.0047951	.0270710	.0582055	.1930450	.2123689

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053313	.0048217	5.161987	.0110140	.0520412	.0273624	.0938630
Stddev	.0000834	.0000755	.016500	.0004972	.0006799	.0024344	.0275677
%RSD	1.564892	1.566770	.3196400	4.514528	1.306452	8.896895	29.37016
#1	.0054038	.0048525	5.180223	.0111773	.0519245	.0257678	.0641498
#2	.0053501	.0047357	5.148092	.0114091	.0514272	.0261549	.1186101
#3	.0052401	.0048770	5.157645	.0104557	.0527719	.0301645	.0988292

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0184321	5.337688	.0389526	.0095926	6.300798	.0540572	.0682562
Stddev	.0002542	.107042	.0002598	.0006684	.724922	.0057256	.0103340
%RSD	1.379139	2.005393	.6669255	6.968063	11.50524	10.59169	15.14006
#1	.0182064	5.245382	.0389864	.0097693	5.533222	.0533333	.0567185
#2	.0187075	5.455028	.0386776	.0088536	6.973778	.0601103	.0766619
#3	.0183824	5.312655	.0391939	.0101549	6.395393	.0487280	.0713883

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.419328	.0079083	-.006309	.0096443	.0901091	.2436121	.0068403
Stddev	.204379	.0012659	.002240	.0001997	.0021605	.0014949	.0002306
%RSD	3.771306	16.00780	35.51028	2.070118	2.397674	.6136565	3.371205
#1	5.554414	.0092065	-.004841	.0097557	.0898097	.2419325	.0069006
#2	5.184200	.0078411	-.008888	.0097634	.0881139	.2447970	.0065856
#3	5.519369	.0066773	-.005199	.0094138	.0924037	.2441066	.0070349

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165529BSD Acquired: 12/19/2024 1:04:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD529 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1028597	.1096289	.0307889
Stddev	.0064409	.0008580	.0057990
%RSD	6.261866	.7826461	18.83483
#1	.1093870	.1089641	.0273903
#2	.0965087	.1093252	.0274916
#3	.1026834	.1105975	.0374848

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2400.812	30012.30	2183.162	2056.578	2172.835
Stddev	11.380	97.02	12.305	14.488	10.652
%RSD	.4739906	.3232761	.5636215	.7044640	.4902413
#1	2409.789	29933.44	2187.749	2039.856	2179.347
#2	2404.634	30120.64	2192.514	2065.376	2178.617
#3	2388.014	29982.81	2169.223	2064.502	2160.543

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165579BL Acquired: 12/19/2024 1:08:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS579 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022686	.0006974	-.002508	-.001074	-.002644	-.004175	.0002519
Stddev	.0006684	.0008856	.002054	.004365	.003154	.010438	.0018921
%RSD	29.46505	126.9873	81.90809	406.2348	119.2730	250.0086	751.1584
#1	.0029889	.0015514	-.004867	-.001486	-.001224	.001963	.0020002
#2	.0016683	-.000217	-.001111	-.005219	-.000450	-.016226	.0005126
#3	.0021485	.000758	-.001546	.003482	-.006259	.001739	-.001757

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000181	-.000099	-.016466	.0005872	-.000404	-.001513	.0061693
Stddev	.000051	.000050	.031581	.0002910	.000254	.003985	.0092400
%RSD	28.27622	50.75845	191.8011	49.54959	62.76143	263.3470	149.7743
#1	-.000125	-.000103	.019194	.0009230	-.000697	.002235	.0167329
#2	-.000194	-.000047	-.027685	.0004085	-.000246	-.005699	.0021856
#3	-.000225	-.000146	-.040906	.0004303	-.000270	-.001075	-.000411

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021866	-.121635	-.000118	-.000097	.8825698	.0065643	.0084875
Stddev	.0008910	.028498	.000656	.000582	.9701281	.0017267	.0042072
%RSD	40.74990	23.42926	556.4452	597.3030	109.9208	26.30479	49.56943
#1	.0032063	-.154461	-.000475	-.000043	-.227185	.0045712	.0063365
#2	.0015581	-.107216	.000639	.000455	1.569669	.0076067	.0133353
#3	.0017953	-.103228	-.000518	-.000704	1.305225	.0075151	.0057907

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3428995	-.000193	-.004678	.0000186	.0000885	-.003565	-.000692
Stddev	.0565952	.002427	.004095	.0006408	.0017270	.000967	.001186
%RSD	16.50491	1254.470	87.54007	3450.891	1951.799	27.13712	171.2212
#1	.3658667	.002477	-.000443	.0007308	-.001841	-.004643	.000310
#2	.2784309	-.000792	-.008617	-.000511	.000617	-.003279	-.002001
#3	.3844007	-.002265	-.004975	-.000164	.001490	-.002773	-.000386

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165579BL Acquired: 12/19/2024 1:08:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS579 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.000992	.0000724	.0145835
Stddev	.002279	.0003966	.0020463
%RSD	229.7647	547.6259	14.03170
#1	.000831	-.000383	.0122369
#2	-.003546	.000257	.0155165
#3	-.000259	.000343	.0159970

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2405.084	30166.94	2197.551	2072.268	2170.663
Stddev	5.342	161.91	4.522	16.509	4.453
%RSD	.2221081	.5366995	.2057763	.7966611	.2051543
#1	2410.633	30209.40	2192.981	2075.042	2174.840
#2	2404.641	30303.37	2202.023	2087.215	2171.171
#3	2399.977	29988.03	2197.648	2054.548	2165.977

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165579BS Acquired: 12/19/2024 1:12:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS579 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0191769	.0519891	.0181006	.0632584	.1079339	.4138353
Stddev	.0039891	.0009365	.0022088	.0022356	.0014493	.0160205
%RSD	20.80163	1.801322	12.20310	3.534068	1.342781	3.871226
#1	.0147561	.0509229	.0189382	.0636435	.1080334	.4293439
#2	.0202666	.0523659	.0155954	.0652765	.1064374	.3973478
#3	.0225078	.0526785	.0197681	.0608553	.1093309	.4148142

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4165647	.0105819	.0097546	10.16153	.0206045	.1025889
Stddev	.0020875	.0001755	.0001305	.10832	.0005183	.0003490
%RSD	.5011277	1.658302	1.337358	1.065973	2.515387	.3401804
#1	.4143157	.0104783	.0098886	10.12971	.0210935	.1022006
#2	.4184404	.0107845	.0096280	10.28220	.0200612	.1026898
#3	.4169379	.0104829	.0097473	10.07269	.0206587	.1028763

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0534457	.1886748	.0345312	10.39746	.0773163	.0191365
Stddev	.0095377	.0076075	.0014641	.15408	.0009371	.0006303
%RSD	17.84559	4.032047	4.239929	1.481876	1.212082	3.293627
#1	.0505719	.1827903	.0356317	10.26229	.0781573	.0196488
#2	.0640898	.1972653	.0350925	10.36485	.0763061	.0184327
#3	.0456753	.1859687	.0328696	10.56523	.0774856	.0193282

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.17871	.1027643	.1259831	10.16623	.0164256	F -.004329
Stddev	.56374	.0085146	.0019906	.11297	.0009790	.000951
%RSD	5.042980	8.285580	1.580048	1.111263	5.960055	21.96360
#1	10.93992	.0929593	.1245436	10.11068	.0153357	-.004072
#2	10.77367	.1082959	.1251510	10.29622	.0167109	-.005382
#3	11.82255	.1070375	.1282547	10.09178	.0172303	-.003533

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165579BS Acquired: 12/19/2024 1:12:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS579 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0196006	.1835098	F .4862579	.0120016	.2019060	.2149421
Stddev	.0004917	.0048836	.0055833	.0023694	.0018501	.0010641
%RSD	2.508478	2.661243	1.148214	19.74235	.9163055	.4950791
#1	.0201620	.1784185	.4892454	.0144893	.2022478	.2139079
#2	.0193936	.1839556	.4897118	.0097715	.2035614	.2160338
#3	.0192463	.1881553	.4798165	.0117441	.1999089	.2148848

Elem	Li6707
Units	ppm
Avg	F .0465825
Stddev	.0068857
%RSD	14.78180
#1	.0394472
#2	.0471121
#3	.0531881

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2407.881	30100.56	2201.681	2075.030	2160.892
Stddev	4.990	148.37	18.481	10.269	3.935
%RSD	.2072290	.4929156	.8393835	.4948721	.1820972
#1	2404.381	30102.80	2182.935	2082.841	2158.532
#2	2413.595	30247.80	2202.223	2078.850	2165.435
#3	2405.668	29951.08	2219.884	2063.398	2158.709

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165579BSD Acquired: 12/19/2024 1:16:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD579 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0098942	.0243464	.0083135	.0328540	.0558134	.2031544	.2147182
Stddev	.0028275	.0006011	.0035877	.0020802	.0010619	.0408790	.0016198
%RSD	28.57752	2.469122	43.15580	6.331580	1.902668	20.12212	.7543870
#1	.0129727	.0237511	.0073066	.0323475	.0546519	.2321559	.2137875
#2	.0074132	.0243349	.0053367	.0310738	.0567347	.2209069	.2137786
#3	.0092967	.0249532	.0122971	.0351406	.0560535	.1564003	.2165886

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053748	.0048868	5.248182	.0110663	.0524294	.0214937	.1060442
Stddev	.0002062	.0000522	.050135	.0006379	.0001529	.0017743	.0132375
%RSD	3.836689	1.068743	.9552814	5.764667	.2915885	8.254797	12.48299
#1	.0051870	.0049413	5.204237	.0113504	.0522529	.0206464	.1190929
#2	.0053421	.0048819	5.302791	.0103357	.0525197	.0203019	.1064141
#3	.0055955	.0048372	5.237519	.0115128	.0525157	.0235327	.0926257

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0174994	5.369869	.0396540	.0099080	6.122126	.0482379	.0667982
Stddev	.0013423	.006876	.0002012	.0006441	.556467	.0096186	.0101211
%RSD	7.670806	.1280455	.5072897	6.500581	9.089447	19.93987	15.15178
#1	.0170465	5.377322	.0398781	.0092564	5.575573	.0519277	.0775308
#2	.0164421	5.368514	.0395950	.0105443	6.102801	.0373208	.0574262
#3	.0190096	5.363772	.0394890	.0099234	6.688004	.0554653	.0654377

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.429203	.0115198	-.003959	.0100898	.0970580	.2504892	.0061770
Stddev	.208313	.0009771	.001670	.0004089	.0037009	.0036582	.0007118
%RSD	3.836893	8.481896	42.19237	4.052836	3.813034	1.460403	11.52243
#1	5.222356	.0126245	-.005835	.0099764	.0927850	.2484210	.0055254
#2	5.426302	.0111661	-.002634	.0097495	.0992414	.2483337	.0060692
#3	5.638951	.0107688	-.003408	.0105434	.0991477	.2547130	.0069365

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: PB165579BSD Acquired: 12/19/2024 1:16:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD579 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0989835	.1103224	.0320212
Stddev	.0014418	.0004445	.0032471
%RSD	1.456604	.4028740	10.14049
#1	.0976143	.1101010	.0310648
#2	.0988480	.1100321	.0356391
#3	.1004883	.1108341	.0293597

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2420.188	30290.61	2205.019	2086.581	2184.517
Stddev	2.970	8.15	13.878	8.895	3.130
%RSD	.1227150	.0269025	.6293821	.4263175	.1432861
#1	2421.968	30294.86	2203.122	2096.540	2186.468
#2	2416.759	30295.75	2219.747	2083.781	2180.907
#3	2421.836	30281.21	2192.187	2079.423	2186.177

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5154-17 Acquired: 12/19/2024 1:20:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28Q4D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3785237	-.984904	8.336028	1.078729	.5279912	55.72408
Stddev	.0080744	.014726	.008551	.034764	.0083528	.97636
%RSD	2.133131	1.495198	.1025799	3.222641	1.581998	1.752130
#1	.3693193	-.993607	8.341114	1.099789	.5322007	56.20619
#2	.3818390	-.967901	8.340815	1.038604	.5183712	54.60045
#3	.3844127	-.993203	8.326156	1.097794	.5334018	56.36562

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.471652	.0501364	.0506413	525.6954	3.283112	.1737131
Stddev	.024507	.0010881	.0007065	9.4021	.005367	.0008082
%RSD	1.665261	2.170234	1.395127	1.788517	.1634658	.4652553
#1	1.483346	.0506085	.0503548	530.1973	3.288891	.1741314
#2	1.443488	.0488920	.0514460	514.8887	3.278285	.1742264
#3	1.488121	.0509087	.0501230	532.0001	3.282159	.1727815

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4036109	F 2208.445	F 59.28260	96.03601	1.595848	.0962066
Stddev	.0176307	40.612	1.06960	1.31137	.002814	.0040144
%RSD	4.368248	1.838962	1.804237	1.365496	.1763629	4.172726
#1	.4234499	2226.558	59.75311	96.48130	1.596795	.0984183
#2	.3897351	2161.928	58.05841	94.55998	1.598067	.0915727
#3	.3976477	2236.850	60.03629	97.06674	1.592682	.0986289

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.184035	.3694946	22.23984	8.534816	5.231548	-.348091
Stddev	.223009	.0099093	.09564	.202347	.017026	.008596
%RSD	3.606200	2.681860	.4300290	2.370848	.3254450	2.469475
#1	5.950061	.3762020	22.26845	8.619650	5.240424	-.357648
#2	6.394162	.3581127	22.31792	8.303860	5.242302	-.340992
#3	6.207882	.3741693	22.13317	8.680938	5.211918	-.345632

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5154-17 Acquired: 12/19/2024 1:20:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28Q4D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1166878	11.76553	8.628808	.2852235	2.640189	F -1.42824
Stddev	.0017220	.01389	.140195	.0041631	.048761	.02688
%RSD	1.475731	.1180226	1.624729	1.459599	1.846893	1.882370
#1	.1160455	11.77870	8.677457	.2850013	2.666362	-1.44030
#2	.1186387	11.76687	8.470769	.2811760	2.583929	-1.39743
#3	.1153793	11.75102	8.738197	.2894933	2.670275	-1.44698

Elem	Li6707
Units	ppm
Avg	.0873226
Stddev	.0071623
%RSD	8.202144
#1	.0895223
#2	.0793184
#3	.0931271

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2344.623	30035.54	2331.428	2026.828	2044.441
Stddev	3.795	104.52	39.726	5.914	3.265
%RSD	.1618770	.3479895	1.703940	.2918003	.1597243
#1	2348.947	29915.07	2310.648	2022.834	2047.912
#2	2341.842	30102.16	2377.234	2024.028	2043.981
#3	2343.079	30089.38	2306.401	2033.622	2041.430

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5154-16LX5 Acquired: 12/19/2024 1:24:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28Q4L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0764615	-.195027	1.857954	.2254028	.1021103	11.52738	.3037313
Stddev	.0031273	.004906	.002744	.0048631	.0069362	.28344	.0074458
%RSD	4.090034	2.515479	.1476766	2.157499	6.792852	2.458814	2.451433
#1	.0785895	-.191879	1.861089	.2261079	.1022583	11.56408	.3035060
#2	.0779241	-.192522	1.855989	.2202257	.0951013	11.22738	.2964007
#3	.0728709	-.200679	1.856783	.2298749	.1089713	11.79067	.3112871

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0113175	.0104409	110.4140	.7215426	.0606104	.0867762	477.3299
Stddev	.0001877	.0002802	2.6286	.0079199	.0006709	.0026062	11.4961
%RSD	1.658078	2.683865	2.380631	1.097627	1.106963	3.003376	2.408419
#1	.0111882	.0105197	110.2744	.7138731	.0613814	.0839091	477.3152
#2	.0112315	.0106733	107.8580	.7210636	.0602909	.0874179	465.8412
#3	.0115327	.0101297	113.1095	.7296911	.0601589	.0890017	488.8334

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.77603	20.71801	.3531124	.0215043	2.535786	.0852525	4.573479
Stddev	.32030	.46325	.0005142	.0004953	.591451	.0038848	.084819
%RSD	2.507012	2.235958	.1456257	2.303346	23.32416	4.556818	1.854585
#1	12.78080	20.66487	.3533534	.0212753	2.951888	.0897383	4.537065
#2	12.45337	20.28362	.3534619	.0211650	2.796731	.0830323	4.512947
#3	13.09391	21.20553	.3525219	.0220727	1.858738	.0829871	4.670425

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.752231	1.124245	-.035489	.0256335	2.505370	1.931069	.0614893
Stddev	.228565	.006631	.006804	.0010015	.007445	.036441	.0017638
%RSD	13.04424	.5898553	19.17358	3.907164	.2971474	1.887065	2.868505
#1	1.495803	1.120854	-.027664	.0259040	2.513760	1.923236	.0614204
#2	1.826355	1.119995	-.038785	.0264721	2.499553	1.899181	.0597610
#3	1.934534	1.131886	-.040017	.0245245	2.502797	1.970789	.0632866

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5154-16LX5 Acquired: 12/19/2024 1:24:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28Q4L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5492968	-.315578	.0272488
Stddev	.0126483	.007645	.0048740
%RSD	2.302637	2.422679	17.88714
#1	.5517470	-.315813	.0216435
#2	.5356026	-.307817	.0304893
#3	.5605407	-.323103	.0296135

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2362.129	30150.53	2255.043	2068.438	2086.568
Stddev	3.848	300.71	41.387	25.191	4.625
%RSD	.1629074	.9973486	1.835305	1.217863	.2216513
#1	2364.860	30401.54	2255.736	2090.669	2090.201
#2	2363.798	30232.80	2296.079	2073.567	2088.141
#3	2357.728	29817.25	2213.314	2041.077	2081.362

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5154-18 Acquired: 12/19/2024 1:28:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28Q4S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4473781	-.896171	8.219609	1.216078	.6948955	59.17628
Stddev	.0043666	.005509	.009883	.008549	.0067872	.28665
%RSD	.9760462	.6147463	.1202406	.7030204	.9767215	.4843972
#1	.4431030	-.889821	8.220779	1.219880	.6996033	59.11460
#2	.4518308	-.899673	8.209193	1.206288	.6871154	58.92550
#3	.4472006	-.899019	8.228856	1.222068	.6979678	59.48875

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.291919	.1430913	.1335132	515.4362	3.577608	1.036801
Stddev	.019962	.0006620	.0003854	2.0141	.015932	.001602
%RSD	.3772100	.4626776	.2886666	.3907594	.4453144	.1545068
#1	5.296145	.1434444	.1338952	514.9585	3.578235	1.035263
#2	5.270183	.1423276	.1335199	513.7039	3.593216	1.036681
#3	5.309430	.1435020	.1331245	517.6462	3.561372	1.038460

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8494190	F 2183.497	F 59.60306	95.43643	2.430969	.1585412
Stddev	.0133117	7.481	.19446	.48158	.004990	.0010908
%RSD	1.567147	.3426186	.3262638	.5046118	.2052564	.6880513
#1	.8482032	2184.440	59.62548	95.45599	2.435196	.1595280
#2	.8367570	2175.588	59.39836	94.94536	2.425465	.1573699
#3	.8632968	2190.461	59.78534	95.90793	2.432246	.1587256

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.352304	1.340807	22.61390	8.410436	5.100310	-.251043
Stddev	.639652	.004273	.16475	.058809	.008377	.013171
%RSD	10.06960	.3187227	.7285347	.6992434	.1642388	5.246632
#1	7.090368	1.345257	22.53608	8.478301	5.106953	-.264452
#2	5.958779	1.336735	22.80315	8.378577	5.090900	-.250556
#3	6.007763	1.340428	22.50248	8.374430	5.103077	-.238123

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5154-18 Acquired: 12/19/2024 1:28:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28Q4S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1156352	11.44251	8.632610	.2806694	2.617623	F -1.41429
Stddev	.0003401	.03372	.030768	.0012223	.006363	.00516
%RSD	.2940733	.2946814	.3564124	.4354764	.2430713	.3645519
#1	.1152640	11.45871	8.640000	.2805006	2.618223	-1.41548
#2	.1159316	11.40375	8.598820	.2819672	2.610981	-1.40864
#3	.1157100	11.46507	8.659010	.2795402	2.623664	-1.41875

Elem	Li6707
Units	ppm
Avg	.0912037
Stddev	.0040011
%RSD	4.386969
#1	.0949040
#2	.0869578
#3	.0917492

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2318.757	29811.18	2272.927	1989.420	2037.897
Stddev	3.573	215.22	8.166	15.807	4.858
%RSD	.1540890	.7219281	.3592845	.7945413	.2383694
#1	2316.605	29734.04	2263.505	1987.815	2032.731
#2	2316.785	29645.16	2277.310	1974.478	2038.586
#3	2322.882	30054.33	2277.966	2005.968	2042.373

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5173-20DLX2 Acquired: 12/19/2024 1:32:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ58 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2557145	-.094000	.3737110	.1031111	.0448859	73.93342	.6880487
Stddev	.0051354	.003325	.0029886	.0043239	.0038020	1.66408	.0150356
%RSD	2.008261	3.536859	.7997085	4.193458	8.470381	2.250784	2.185256
#1	.2520206	-.097347	.3722242	.1064773	.0486402	75.81428	.7046543
#2	.2535441	-.093956	.3717574	.0982346	.0410379	73.33350	.6841348
#3	.2615788	-.090698	.3771514	.1046214	.0449796	72.65249	.6753571

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071387	.0038813	31.22255	.1157040	.1142862	.2363785	207.9019
Stddev	.0000594	.0001294	.69230	.0011831	.0010935	.0109976	4.9925
%RSD	.8326348	3.333417	2.217319	1.022513	.9568321	4.652532	2.401388
#1	.0071994	.0037332	31.96911	.1154119	.1138165	.2470146	213.5984
#2	.0070807	.0039387	31.09681	.1170058	.1135060	.2370691	205.8198
#3	.0071360	.0039721	30.60174	.1146943	.1155361	.2250520	204.2874

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.386200	36.80369	.1127685	.0066918	2.365697	.3544879	.7536457
Stddev	.075694	.91925	.0013615	.0012304	.192517	.0111299	.0186207
%RSD	2.235356	2.497717	1.207343	18.38731	8.137853	3.139704	2.470752
#1	3.471130	37.80902	.1129006	.0071711	2.339276	.3586839	.7410989
#2	3.361612	36.59600	.1113458	.0076104	2.187754	.3418700	.7750408
#3	3.325857	36.00606	.1140592	.0052938	2.570059	.3629099	.7447975

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	21.61808	6.537311	-.025161	.0017433	1.569093	5.820907	.0210809
Stddev	.51735	.034648	.003906	.0005313	.005555	.166514	.0019782
%RSD	2.393119	.5300016	15.52525	30.47367	.3539966	2.860625	9.383745
#1	22.09911	6.526062	-.029044	.0013165	1.567732	6.010184	.0230719
#2	21.68433	6.509685	-.025207	.0023383	1.564345	5.755551	.0191158
#3	21.07080	6.576185	-.021232	.0015752	1.575201	5.696985	.0210550

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5173-20DLX2 Acquired: 12/19/2024 1:32:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ58 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.307962	-.053380	.0567662
Stddev	.057490	.001644	.0047576
%RSD	2.490962	3.080705	8.381014
#1	2.372368	-.055236	.0621375
#2	2.289689	-.052103	.0530823
#3	2.261828	-.052803	.0550788

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2639.350	32999.14	2370.770	2277.124	2146.236
Stddev	13.287	79.12	57.181	11.416	12.997
%RSD	.5034317	.2397624	2.411924	.5013536	.6055811
#1	2644.580	33050.83	2305.173	2290.183	2150.865
#2	2649.226	32908.06	2397.059	2269.035	2156.286
#3	2624.243	33038.54	2410.080	2272.153	2131.559

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5173-21DLX2 Acquired: 12/19/2024 1:35:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ58D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2550556	-.091657	.3700990	.1000226	.0446308	72.93308	.6812391
Stddev	.0029579	.002179	.0014122	.0070789	.0029784	2.39476	.0246417
%RSD	1.159704	2.377709	.3815612	7.077294	6.673368	3.283508	3.617192
#1	.2527948	-.093747	.3716732	.1076853	.0469717	75.69146	.7096474
#2	.2539689	-.089398	.3696801	.0986556	.0456422	71.72235	.6684282
#3	.2584031	-.091827	.3689436	.0937269	.0412784	71.38542	.6656416

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0069342	.0038672	31.12309	.1159696	.1128178	.2362692	206.2337
Stddev	.0000614	.0001320	1.06764	.0003032	.0007693	.0017242	6.6899
%RSD	.8848149	3.412107	3.430379	.2614414	.6819154	.7297760	3.243857
#1	.0069681	.0037445	32.35586	.1156403	.1133909	.2370420	213.9352
#2	.0069712	.0040068	30.49962	.1162371	.1131190	.2342937	202.9022
#3	.0068634	.0038503	30.51377	.1160315	.1119434	.2374717	201.8636

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.350513	36.23099	.1103803	.0075463	1.418891	.3421450	.7459524
Stddev	.107826	1.12184	.0000619	.0013717	.533522	.0081893	.0043176
%RSD	3.218185	3.096346	.0560707	18.17752	37.60133	2.393524	.5788055
#1	3.474936	37.50714	.1103555	.0085518	1.708402	.3465100	.7421660
#2	3.292253	35.78548	.1103346	.0081034	1.745073	.3472272	.7506544
#3	3.284350	35.40033	.1104507	.0059836	.803197	.3326979	.7450367

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	21.35036	6.464351	-.030013	.0010890	1.540231	5.733459	.0218563
Stddev	.82771	.007899	.002068	.0004061	.002872	.112039	.0011129
%RSD	3.876788	.1222004	6.890250	37.29179	.1864877	1.954118	5.092127
#1	22.30557	6.468155	-.027824	.0015562	1.542620	5.861360	.0229180
#2	20.90068	6.469628	-.030282	.0008215	1.537044	5.686354	.0206984
#3	20.84483	6.455269	-.031933	.0008892	1.541030	5.652665	.0219525

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5173-21DLX2 Acquired: 12/19/2024 1:35:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ58D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.289770	-.053039	.0538904
Stddev	.075740	.001864	.0084976
%RSD	3.307769	3.513977	15.76837
#1	2.377080	-.055116	.0580877
#2	2.250499	-.052490	.0441108
#3	2.241729	-.051511	.0594727

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2674.934	33427.82	2422.451	2315.203	2175.788
Stddev	9.493	112.60	68.628	14.293	5.683
%RSD	.3548994	.3368488	2.833009	.6173629	.2611983
#1	2664.016	33297.80	2343.728	2299.219	2169.441
#2	2679.547	33491.97	2453.949	2319.631	2177.517
#3	2681.239	33493.68	2469.676	2326.757	2180.405

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5173-20LDLX10 Acquired: 12/19/2024 1:39:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ58L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0468607	-.019272	.0714341	.0222243	.0068823	14.58769	.1375624
Stddev	.0045612	.002658	.0025765	.0036138	.0032153	.08718	.0018085
%RSD	9.733458	13.79416	3.606866	16.26051	46.71786	.5976124	1.314688
#1	.0429506	-.016470	.0715914	.0229638	.0097659	14.68656	.1393998
#2	.0457599	-.021759	.0687825	.0254111	.0074658	14.55464	.1375031
#3	.0518715	-.019589	.0739283	.0182980	.0034153	14.52186	.1357842

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013533	.0005748	6.290160	.0236666	.0231807	.0511958	41.66101
Stddev	.0000961	.0000466	.082778	.0009645	.0002429	.0053581	.31296
%RSD	7.104281	8.100665	1.315986	4.075174	1.047892	10.46584	.7511997
#1	.0014554	.0005733	6.338831	.0240242	.0231641	.0454689	41.98726
#2	.0013400	.0006221	6.337067	.0225744	.0229465	.0560868	41.63246
#3	.0012645	.0005290	6.194582	.0244012	.0234315	.0520317	41.36330

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6797416	7.287186	.0207911	.0007221	1.339420	.0645951	.1680645
Stddev	.0029945	.023220	.0004594	.0003471	.534301	.0043142	.0106306
%RSD	.4405282	.3186354	2.209752	48.06085	39.89049	6.678880	6.325287
#1	.6830188	7.313779	.0203313	.0010744	.725808	.0658784	.1589661
#2	.6790579	7.276850	.0212502	.0003806	1.590656	.0597848	.1797497
#3	.6771482	7.270929	.0207918	.0007113	1.701796	.0681221	.1654776

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.395308	1.238650	-.013627	.0005327	.2983397	1.177021	.0035487
Stddev	.229059	.006186	.000802	.0002783	.0018268	.024228	.0009816
%RSD	5.211448	.4994202	5.885472	52.23962	.6123357	2.058392	27.65928
#1	4.533795	1.232145	-.012706	.0006227	.2989494	1.200456	.0042962
#2	4.521216	1.239347	-.014007	.0007549	.2962860	1.178536	.0039128
#3	4.130913	1.244458	-.014168	.0002206	.2997837	1.152072	.0024372

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5173-20LDLX10 Acquired: 12/19/2024 1:39:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ58L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4551174	-.011131	.0230509
Stddev	.0040501	.000336	.0022928
%RSD	.8898939	3.021472	9.946594
#1	.4597364	-.011257	.0224167
#2	.4534420	-.011387	.0255940
#3	.4521739	-.010750	.0211419

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2504.005	31150.79	2273.761	2146.563	2194.401
Stddev	8.881	197.01	27.548	2.071	6.626
%RSD	.3546718	.6324539	1.211542	.0964760	.3019377
#1	2511.116	30942.91	2243.765	2144.444	2201.669
#2	2506.849	31334.75	2279.592	2148.582	2192.837
#3	2494.051	31174.71	2297.927	2146.665	2188.698

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5173-21DLX2 Acquired: 12/19/2024 1:43:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ58S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3420580	-.000203	.4177183	.2797129	.2200290	75.87225	4.635881
Stddev	.0063437	.002043	.0009171	.0047849	.0035392	.49414	.037896
%RSD	1.854554	1006.451	.2195520	1.710659	1.608517	.6512741	.8174525
#1	.3491769	-.001894	.4181964	.2821145	.2239085	76.43562	4.678625
#2	.3399924	.002067	.4182977	.2742028	.2192021	75.51228	4.606396
#3	.3370045	-.000781	.4166610	.2828214	.2169765	75.66883	4.622623

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1054525	.1046735	31.12760	.5176348	1.114800	.7013861	206.6908
Stddev	.0002321	.0001644	.23253	.0025387	.001457	.0086472	1.5965
%RSD	.2200530	.1570120	.7470242	.4904478	.1306895	1.232873	.7724015
#1	.1056365	.1044839	31.33651	.5201106	1.113173	.7046986	208.5111
#2	.1055292	.1047603	30.87707	.5150375	1.115984	.6915723	205.5280
#3	.1051918	.1047762	31.16922	.5177562	1.115245	.7078872	206.0334

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.315646	36.08178	1.123170	.0773197	1.802233	1.325644	1.615344
Stddev	.034843	.29573	.001388	.0006358	.498854	.016779	.011972
%RSD	.8073722	.8196016	.1235781	.8222719	27.67975	1.265753	.7411557
#1	4.355878	36.40227	1.122650	.0772225	1.249516	1.340088	1.628304
#2	4.295884	36.02359	1.122118	.0767382	1.938118	1.307238	1.613030
#3	4.295178	35.81947	1.124743	.0779985	2.219066	1.329605	1.604698

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	21.15098	6.568882	-.032225	.0010255	1.580034	5.658479	.0217225
Stddev	.23772	.008818	.004031	.0000626	.003151	.029930	.0004902
%RSD	1.123927	.1342450	12.50927	6.103163	.1994429	.5289361	2.256444
#1	21.38713	6.559333	-.029051	.0010093	1.577137	5.691730	.0220367
#2	20.91172	6.576719	-.036761	.0010946	1.583389	5.633694	.0219731
#3	21.15408	6.570593	-.030862	.0009726	1.579576	5.650013	.0211577

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5173-21DLX2 Acquired: 12/19/2024 1:43:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ58S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.266509	-.054621	.0513004
Stddev	.022727	.000466	.0035257
%RSD	1.002713	.8536879	6.872708
#1	2.292152	-.055131	.0495739
#2	2.248856	-.054217	.0489707
#3	2.258520	-.054514	.0553566

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2649.963	32958.29	2437.545	2283.977	2149.420
Stddev	7.330	169.36	8.328	17.681	3.561
%RSD	.2766208	.5138578	.3416592	.7741270	.1656610
#1	2643.909	32783.99	2428.558	2268.165	2148.083
#2	2658.113	33122.24	2439.075	2303.068	2153.456
#3	2647.868	32968.64	2445.001	2280.697	2146.722

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5172-20DLX2 Acquired: 12/19/2024 1:47:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ38 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2004380	-.076276	.5673221	.0856736	.0340355	87.10157	1.227942
Stddev	.0058786	.001807	.0047424	.0049781	.0010239	.37729	.008792
%RSD	2.932867	2.369514	.8359242	5.810575	3.008337	.4331595	.7159652
#1	.1985125	-.074907	.5725121	.0912703	.0350956	87.38434	1.229850
#2	.1957636	-.075598	.5632144	.0840111	.0330521	87.24720	1.235624
#3	.2070379	-.078325	.5662399	.0817395	.0339587	86.67317	1.218354

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0073693	.0059864	60.66571	.1360605	.1140411	.5005911	184.0140
Stddev	.0002394	.0001801	.33137	.0007590	.0003717	.0083857	1.1708
%RSD	3.248144	3.008719	.5462283	.5578116	.3259029	1.675161	.6362739
#1	.0073674	.0061378	60.86057	.1352582	.1136148	.5087161	184.6775
#2	.0076096	.0057872	60.85348	.1361564	.1142118	.5010904	184.7024
#3	.0071309	.0060343	60.28310	.1367670	.1142968	.4919670	182.6621

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.374254	43.58756	.1928768	.0069546	1.840689	.2923633	1.201683
Stddev	.033196	.39647	.0010245	.0004977	.590327	.0046030	.012868
%RSD	.7589015	.9096047	.5311483	7.156507	32.07098	1.574404	1.070803
#1	4.391603	43.69328	.1930917	.0074455	1.300836	.2871128	1.194534
#2	4.395182	43.92046	.1917619	.0069680	2.471039	.2942736	1.216538
#3	4.335978	43.14895	.1937767	.0064504	1.750191	.2957036	1.193978

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.45307	6.746663	-.021604	.0006711	2.885294	9.818978	.0501775
Stddev	.25391	.005232	.004016	.0004922	.003597	.090472	.0006682
%RSD	.9975434	.0775441	18.58789	73.34916	.1246641	.9213969	1.331708
#1	25.49769	6.740677	-.018308	.0003223	2.889446	9.908642	.0504665
#2	25.68170	6.750360	-.026077	.0012342	2.883311	9.820573	.0506525
#3	25.17981	6.748952	-.020428	.0004569	2.883126	9.727720	.0494134

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5172-20DLX2 Acquired: 12/19/2024 1:47:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ38 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.159358	.1418691	.0725912
Stddev	.005988	.0018578	.0030185
%RSD	.5165278	1.309547	4.158260
#1	1.164613	.1424072	.0703566
#2	1.160624	.1433985	.0760251
#3	1.152838	.1398016	.0713919

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2691.959	33544.58	2497.803	2335.942	2128.678
Stddev	5.547	181.99	23.883	15.776	6.682
%RSD	.2060471	.5425214	.9561441	.6753517	.3138938
#1	2698.339	33714.06	2486.895	2352.005	2136.184
#2	2689.259	33352.24	2481.322	2320.470	2123.379
#3	2688.280	33567.43	2525.192	2335.351	2126.470

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5172-21DLX2 Acquired: 12/19/2024 1:51:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ38D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1943907	-.071609	.4308940	.0791952	.0341135	85.79350	1.105275
Stddev	.0018901	.005844	.0030910	.0017716	.0009101	.34874	.000784
%RSD	.9723090	8.161158	.7173486	2.237032	2.667813	.4064913	.0709297
#1	.1941845	-.064933	.4342978	.0796835	.0333179	86.13076	1.105957
#2	.1963754	-.074098	.4282621	.0806715	.0339166	85.43430	1.104419
#3	.1926121	-.075797	.4301220	.0772306	.0351059	85.81544	1.105450

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0072906	.0058227	58.62815	.1166880	.1154038	.3732798	178.4488
Stddev	.0000753	.0000890	.21714	.0059276	.0001327	.0066404	1.1925
%RSD	1.032767	1.529288	.3703712	5.079892	.1149632	1.778925	.6682686
#1	.0072061	.0058030	58.84249	.1206202	.1153569	.3808686	179.2861
#2	.0073506	.0057451	58.40831	.1195737	.1153009	.3704349	177.0834
#3	.0073151	.0059199	58.63366	.1098701	.1155535	.3685358	178.9768

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.058564	43.38449	.1320283	.0072077	1.503305	.2823369	.9444148
Stddev	.016015	.28017	.0002168	.0007993	.101805	.0042893	.0469603
%RSD	.3946017	.6457781	.1642001	11.08871	6.772081	1.519219	4.972419
#1	4.064703	43.51892	.1322688	.0065314	1.611166	.2782863	.9813174
#2	4.040387	43.06244	.1318478	.0070021	1.408893	.2868306	.9603716
#3	4.070601	43.57211	.1319684	.0080897	1.489856	.2818940	.8915555

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.53422	6.771996	-.020084	.0008997	2.651928	8.137161	.0247995
Stddev	.20514	.014995	.002911	.0003668	.002896	.051676	.0006168
%RSD	.8361375	.2214198	14.49247	40.77098	.1092093	.6350624	2.487292
#1	24.73022	6.781486	-.022780	.0004989	2.649961	8.196429	.0249366
#2	24.32102	6.754709	-.020473	.0012188	2.655253	8.101538	.0241257
#3	24.55142	6.779792	-.016998	.0009813	2.650568	8.113515	.0253363

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5172-21DLX2 Acquired: 12/19/2024 1:51:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ38D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.005344	.1202371	.0796766
Stddev	.002706	.0005788	.0032505
%RSD	.2691733	.4814100	4.079565
#1	1.007781	.1195751	.0830396
#2	1.002432	.1204886	.0794384
#3	1.005818	.1206477	.0765518

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2668.146	34237.66	2461.663	2362.255	2112.516
Stddev	1.493	1490.07	16.096	100.570	1.623
%RSD	.0559664	4.352137	.6538687	4.257363	.0768496
#1	2669.865	33299.51	2445.931	2296.395	2114.270
#2	2667.176	33457.64	2478.100	2312.352	2112.211
#3	2667.397	35955.82	2460.957	2478.016	2111.066

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5172-20LDLX10 Acquired: 12/19/2024 1:55:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ38L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0394787	-.017366	.0881129	.0219544	.0061803	18.81534	.2446877
Stddev	.0021724	.003153	.0035376	.0014152	.0013144	.09927	.0019175
%RSD	5.502854	18.15751	4.014823	6.445966	21.26790	.5275991	.7836469
#1	.0369848	-.016169	.0869931	.0235658	.0046759	18.92129	.2463261
#2	.0404913	-.020942	.0852707	.0209134	.0067588	18.80025	.2451582
#3	.0409599	-.014986	.0920749	.0213841	.0071063	18.72448	.2425788

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017423	.0010175	12.88547	.0259818	.0278529	.0784558	39.57456
Stddev	.0001407	.0000709	.04498	.0006966	.0005065	.0029122	.08957
%RSD	8.076997	6.970959	.3491107	2.680964	1.818475	3.711895	.2263256
#1	.0018074	.0010187	12.85068	.0252812	.0276536	.0795301	39.60023
#2	.0018387	.0009460	12.93627	.0266743	.0274764	.0806781	39.64849
#3	.0015809	.0010878	12.86945	.0259899	.0284287	.0751590	39.47496

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9065899	9.583481	.0251557	.0013283	1.424966	.0602305	.2162182
Stddev	.0018688	.065555	.0009727	.0014176	.927467	.0008612	.0085748
%RSD	.2061355	.6840384	3.866923	106.7228	65.08699	1.429882	3.965787
#1	.9081713	9.653007	.0262789	-.000111	1.745811	.0602182	.2180931
#2	.9070708	9.574642	.0245994	.001373	2.149410	.0610979	.2237004
#3	.9045277	9.522794	.0245887	.002723	.379676	.0593755	.2068611

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.622177	1.346376	-.009836	-.000094	.5355909	1.807680	.0034957
Stddev	.095093	.007583	.001662	.000266	.0053903	.010591	.0012134
%RSD	1.691393	.5631801	16.90116	284.4080	1.006428	.5858742	34.71157
#1	5.513380	1.345741	-.011439	-.000146	.5379619	1.815840	.0048710
#2	5.689427	1.339131	-.008120	-.000330	.5294214	1.811489	.0025762
#3	5.663723	1.354256	-.009949	.000195	.5393893	1.795712	.0030399

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5172-20LDLX10 Acquired: 12/19/2024 1:55:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ38L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2181948	.0267819	.0252233
Stddev	.0025734	.0006729	.0004670
%RSD	1.179394	2.512720	1.851384
#1	.2191274	.0271581	.0256715
#2	.2201719	.0260050	.0252589
#3	.2152852	.0271827	.0247396

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2465.367	30922.96	2236.547	2133.516	2155.359
Stddev	4.346	236.80	16.015	13.551	5.536
%RSD	.1762954	.7657639	.7160588	.6351539	.2568510
#1	2461.546	30938.22	2218.123	2131.888	2150.843
#2	2470.095	31151.76	2244.378	2147.808	2161.536
#3	2464.460	30678.90	2247.140	2120.852	2153.699

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5172-22DLX2 Acquired: 12/19/2024 1:59:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ38 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2749799	.0199014	.4709356	.2498691	.1983833	89.14202	4.783691
Stddev	.0022727	.0046253	.0011015	.0001982	.0018590	.37368	.024424
%RSD	.8264947	23.24099	.2339051	.0793395	.9370775	.4191998	.5105774
#1	.2732579	.0224265	.4706339	.2497632	.1963089	89.37920	4.792904
#2	.2741259	.0145632	.4721566	.2500978	.1998985	88.71126	4.756000
#3	.2775559	.0227145	.4700164	.2497462	.1989425	89.33559	4.802169

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0999594	.1018889	58.56482	.5008385	1.070970	.7895943	181.2102
Stddev	.0010539	.0003913	.22484	.0030360	.005065	.0042705	.8408
%RSD	1.054301	.3840531	.3839134	.6061879	.4729536	.5408491	.4639754
#1	.1009302	.1019946	58.74719	.4981361	1.071583	.7944343	181.8099
#2	.0988385	.1014556	58.31361	.5041236	1.065626	.7879915	180.2492
#3	.1001094	.1022165	58.63365	.5002557	1.075700	.7863571	181.5716

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.002885	43.67997	1.104791	.0733175	1.764755	1.196441	1.769185
Stddev	.027599	.25102	.002943	.0004466	.188303	.007767	.010207
%RSD	.5516637	.5746748	.2663729	.6090881	10.67019	.6492132	.5769242
#1	5.026854	43.72110	1.106035	.0737185	1.841878	1.201090	1.760774
#2	4.972712	43.41093	1.101431	.0733976	1.550134	1.187474	1.780541
#3	5.009090	43.90788	1.106908	.0728363	1.902253	1.200758	1.766241

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.78118	6.779889	-.018931	.0008145	2.673350	8.093765	.0241291
Stddev	.15314	.030565	.001110	.0000236	.009601	.077554	.0016443
%RSD	.6179589	.4508121	5.862941	2.897310	.3591330	.9581995	6.814588
#1	24.94212	6.788633	-.019333	.0008155	2.680036	8.163561	.0260216
#2	24.63728	6.745906	-.017676	.0007904	2.662349	8.010276	.0230507
#3	24.76413	6.805129	-.019784	.0008376	2.677665	8.107459	.0233149

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5172-22DLX2 Acquired: 12/19/2024 1:59:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ38 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.014552	.1194147	.0797801
Stddev	.005010	.0004999	.0013461
%RSD	.4937958	.4186386	1.687317
#1	1.018521	.1192874	.0783448
#2	1.008923	.1189908	.0810145
#3	1.016213	.1199660	.0799811

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2669.728	33019.34	2476.478	2288.463	2110.645
Stddev	8.868	329.56	18.694	21.575	8.000
%RSD	.3321785	.9980728	.7548652	.9427875	.3790171
#1	2666.492	33305.63	2458.370	2304.554	2108.952
#2	2679.760	32659.09	2495.708	2263.946	2119.355
#3	2662.933	33093.31	2475.357	2296.890	2103.627

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5179-20DLX2 Acquired: 12/19/2024 2:02:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZA8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1462511	-.171454	.0836076	.1786990	.0792028	167.8454	.1891385
Stddev	.0037941	.003701	.0023541	.0025179	.0023058	.3445	.0005078
%RSD	2.594203	2.158681	2.815643	1.409005	2.911280	.2052484	.2684782
#1	.1419593	-.172133	.0846353	.1813337	.0776301	167.6663	.1886180
#2	.1491588	-.167460	.0809144	.1784465	.0818497	167.6274	.1896325
#3	.1476351	-.174768	.0852732	.1763169	.0781286	168.2426	.1891652

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0087881	.0026388	88.68382	.5806432	.2811541	.6853517	379.6754
Stddev	.0001157	.0001420	.06709	.0041898	.0023375	.0092230	1.0658
%RSD	1.316433	5.381238	.0756473	.7215780	.8313853	1.345726	.2807040
#1	.0089213	.0027271	88.65844	.5760301	.2821965	.6912539	379.2338
#2	.0087127	.0027142	88.75989	.5816874	.2827891	.6747236	378.9015
#3	.0087304	.0024750	88.63312	.5842122	.2784768	.6900776	380.8910

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.942380	142.3663	.4083618	.0106540	.8791316	1.125851	.3201290
Stddev	.027932	.2646	.0036302	.0015715	.7202491	.008884	.0170082
%RSD	.3516810	.1858320	.8889717	14.75057	81.92734	.7891358	5.312925
#1	7.930095	142.4154	.4106992	.0119166	1.428552	1.133191	.3113289
#2	7.922696	142.0806	.4102065	.0088940	1.145127	1.128387	.3093238
#3	7.974349	142.6029	.4041796	.0111515	.063716	1.115974	.3397342

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.225058	2.518841	-.089970	-.001453	.3691508	5.263483	.0370635
Stddev	.171922	.028088	.002237	.000294	.0052307	.026863	.0014184
%RSD	5.330829	1.115105	2.486048	20.25014	1.416949	.5103576	3.827005
#1	3.408532	2.536514	-.087413	-.001783	.3640391	5.232488	.0386976
#2	3.067669	2.533557	-.090931	-.001218	.3744929	5.277949	.0363416
#3	3.198972	2.486453	-.091565	-.001358	.3689205	5.280012	.0361512

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5179-20DLX2 Acquired: 12/19/2024 2:02:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZA8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	3.201455	-.229784	.0860912
Stddev	.008138	.000562	.0034622
%RSD	.2542040	.2446406	4.021526
#1	3.205707	-.229332	.0855964
#2	3.192071	-.229608	.0897742
#3	3.206586	-.230414	.0829031

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2561.832	31883.97	2384.272	2207.301	2065.980
Stddev	15.771	47.00	4.973	7.583	14.066
%RSD	.6156042	.1474156	.2085897	.3435512	.6808266
#1	2550.816	31845.50	2390.014	2213.221	2057.720
#2	2554.782	31870.05	2381.442	2198.754	2057.999
#3	2579.898	31936.36	2381.359	2209.928	2082.221

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCV065 Acquired: 12/19/2024 2:06:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV065 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.772414	4.868901	25.33570	5.168943	5.225270	411.2813	10.50344
Stddev	.011241	.026780	.10644	.010130	.025781	3.3315	.08897
%RSD	.2355319	.5500314	.4201269	.1959849	.4933926	.8100187	.8470560
#1	4.762974	4.839376	25.21391	5.157802	5.195602	407.9667	10.41244
#2	4.784849	4.875700	25.38227	5.177601	5.242237	414.6294	10.59023
#3	4.769421	4.891627	25.41093	5.171424	5.237969	411.2477	10.50765

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5254550	2.540856	416.5522	15.50037	2.537669	15.32626	418.2826
Stddev	.0024227	.008652	3.3143	.01606	.008490	.15178	3.6026
%RSD	.4610568	.3405004	.7956542	.1036299	.3345766	.9903568	.8612731
#1	.5226576	2.531273	413.3833	15.49139	2.528065	15.17959	414.7541
#2	.5268647	2.543201	419.9949	15.49081	2.540767	15.48268	421.9549
#3	.5268426	2.548092	416.2783	15.51892	2.544176	15.31652	418.1388

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.58514	413.8808	2.531327	1.287400	413.1451	2.576142	14.88832
Stddev	.13544	3.3083	.009507	.002274	3.2983	.018075	.06655
%RSD	.8690603	.7993442	.3755666	.1766244	.7983305	.7016226	.4469912
#1	15.45416	410.2230	2.520913	1.286495	410.0082	2.559376	14.85604
#2	15.72465	416.6640	2.533526	1.285718	416.5839	2.595290	14.84407
#3	15.57662	414.7554	2.539541	1.289987	412.8432	2.573761	14.96485

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	154.1571	5.064786	4.945243	4.929646	5.149181	4.860373	5.119070
Stddev	1.6172	.013764	.020609	.023271	.023172	.013923	.017852
%RSD	1.049055	.2717682	.4167469	.4720559	.4500110	.2864623	.3487430
#1	152.4290	5.048898	4.931145	4.902871	5.122587	4.844355	5.100796
#2	155.6340	5.073115	4.968895	4.944995	5.159931	4.867188	5.119945
#3	154.4082	5.072345	4.935688	4.941072	5.165027	4.869576	5.136469

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCV065 Acquired: 12/19/2024 2:06:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV065 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.230024	5.005840	5.236727
Stddev	.041214	.046430	.051501
%RSD	.7880233	.9275126	.9834602
#1	5.191490	4.956945	5.182876
#2	5.273476	5.049332	5.285503
#3	5.225107	5.011244	5.241800

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2085.299	27120.75	2143.855	1778.528	1771.295
Stddev	10.838	83.84	11.903	9.923	8.920
%RSD	.5197375	.3091392	.5552150	.5579542	.5035889
#1	2097.814	27194.78	2157.587	1785.156	1781.315
#2	2079.080	27137.77	2136.481	1783.308	1768.352
#3	2079.003	27029.71	2137.497	1767.119	1764.218

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCB065 Acquired: 12/19/2024 2:10:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB065 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022385	.0020438	.0030703	.0047747	-.001316	.0024333
Stddev	.0044809	.0017336	.0031191	.0014992	.002362	.0275411
%RSD	200.1734	84.82007	101.5918	31.39992	179.4679	1131.829
#1	-.000983	.0029528	.0047649	.0057387	.000366	.0100692
#2	.000343	.0000448	-.000529	.0055379	-.000298	-.028120
#3	.007356	.0031338	.004975	.0030474	-.004017	.025351

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000722	-.000116	-.000101	.0182794	.0004401	-.000075
Stddev	.001552	.000145	.000090	.0737597	.0002316	.000146
%RSD	214.9925	124.6392	89.36165	403.5119	52.61891	193.9818
#1	-.002395	-.000213	-.000080	-.057342	.0007013	-.000111
#2	.000670	-.000187	-.000200	.090024	.0002599	.000085
#3	-.000440	.000050	-.000023	.022156	.0003592	-.000201

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011084	.0258828	.0035337	.0022976	-.000290	.0003090
Stddev	.0078135	.0335270	.0006110	.0138809	.000276	.0007027
%RSD	704.9429	129.5338	17.29072	604.1588	95.22906	227.4248
#1	-.004389	-.012779	.0029933	.0158471	-.000473	-.000065
#2	-.002339	.043475	.0034110	.0029380	-.000423	.001120
#3	.010053	.046952	.0041967	-.011892	.000028	-.000128

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9003473	.0050808	.0125024	.6262005	-.001793	.0118127
Stddev	.4595233	.0075051	.0054520	.1775405	.002492	.0024835
%RSD	51.03846	147.7149	43.60751	28.35202	138.9610	21.02431
#1	1.274902	.0107565	.0063337	.8048715	-.001065	.0140041
#2	1.038560	.0079146	.0144985	.4498126	-.004568	.0091150
#3	.387581	-.003429	.0166751	.6239174	.000253	.0123189

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCB065 Acquired: 12/19/2024 2:10:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB065 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002658	.0025893	-.002248	-.000206	-.004241	.0002200
Stddev	.0002798	.0031589	.000549	.001172	.003424	.0001539
%RSD	105.2431	122.0020	24.43209	570.0381	80.72539	69.94453
#1	.0005406	.0053720	-.002351	-.001332	-.002751	.0001146
#2	.0002757	-.000844	-.002739	-.000291	-.008158	.0001488
#3	-.000019	.003240	-.001655	.001007	-.001815	.0003966

Elem	Li6707
Units	ppm
Avg	F .0218902
Stddev	.0016999
%RSD	7.765692
#1	.0230418
#2	.0199377
#3	.0226909

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2441.884	30635.15	2211.129	2118.008	2197.933
Stddev	2.247	299.52	3.764	15.811	2.373
%RSD	.0920039	.9776964	.1702307	.7464949	.1079473
#1	2440.436	30469.42	2209.196	2114.755	2195.797
#2	2440.744	30455.12	2208.724	2104.076	2197.515
#3	2444.472	30980.90	2215.467	2135.192	2200.487

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5179-21DLX2 Acquired: 12/19/2024 2:14:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZA8D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1484552	-.167680	.0842858	.1821597	.0808251	166.5051	.1867434
Stddev	.0092955	.001582	.0033250	.0040514	.0013085	.2599	.0004599
%RSD	6.261505	.9433641	3.944885	2.224098	1.618941	.1560828	.2462765
#1	.1455635	-.168534	.0881042	.1783995	.0818118	166.5301	.1866774
#2	.1588529	-.168650	.0820295	.1816294	.0813228	166.7515	.1872327
#3	.1409492	-.165854	.0827238	.1864501	.0793408	166.2336	.1863200

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0087048	.0026381	88.05761	.5750286	.2810058	.6828133	377.4292
Stddev	.0000312	.0000365	.20082	.0019712	.0006669	.0044037	.6080
%RSD	.3579299	1.382708	.2280583	.3428054	.2373300	.6449293	.1611009
#1	.0087046	.0025982	87.88991	.5760358	.2805924	.6878859	376.8983
#2	.0087361	.0026465	88.28016	.5762928	.2817751	.6799709	378.0925
#3	.0086737	.0026697	88.00278	.5727573	.2806497	.6805832	377.2968

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.893700	141.4569	.4073616	.0117896	1.446521	1.109958	.3206219
Stddev	.013199	.4301	.0022740	.0007965	.364917	.008519	.0055437
%RSD	.1672070	.3040663	.5582272	6.755600	25.22724	.7674701	1.729039
#1	7.889588	141.3082	.4074389	.0108700	1.597749	1.101841	.3154021
#2	7.908465	141.9417	.4095959	.0122428	1.030301	1.118828	.3264408
#3	7.883046	141.1209	.4050499	.0122560	1.711513	1.109206	.3200229

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.110290	2.510752	-.097334	-.001263	.3632569	5.207088	.0347195
Stddev	.100532	.018703	.004195	.000463	.0031335	.016687	.0002662
%RSD	3.232239	.7449323	4.310057	36.67462	.8626023	.3204728	.7666143
#1	3.192091	2.504520	-.094263	-.001430	.3658979	5.187874	.0346847
#2	3.140721	2.531776	-.102114	-.000739	.3640783	5.215444	.0344725
#3	2.998058	2.495960	-.095625	-.001619	.3597946	5.217947	.0350014

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5179-21DLX2 Acquired: 12/19/2024 2:14:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZA8D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	3.188304	-.227838	.0879697
Stddev	.014494	.000517	.0024819
%RSD	.4546065	.2268331	2.821316
#1	3.187597	-.227384	.0851156
#2	3.203139	-.227729	.0896215
#3	3.174176	-.228400	.0891720

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2592.553	32389.09	2418.787	2242.396	2086.045
Stddev	8.687	87.56	6.178	8.053	6.365
%RSD	.3350601	.2703262	.2554252	.3591284	.3051444
#1	2592.132	32289.34	2424.282	2240.450	2084.751
#2	2584.084	32424.66	2419.978	2251.243	2080.425
#3	2601.442	32453.26	2412.099	2235.493	2092.957

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5179-20LDLX10 Acquired: 12/19/2024 2:18:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZA8L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0275575	-.033620	.0186254	.0365364	.0143647	34.51000	.0392191
Stddev	.0028807	.002627	.0008832	.0020457	.0007319	.22808	.0003854
%RSD	10.45351	7.813616	4.741944	5.598939	5.094767	.6609180	.9827350
#1	.0243814	-.035434	.0181274	.0342134	.0148163	34.26605	.0394317
#2	.0300017	-.030607	.0181036	.0373272	.0135204	34.54600	.0387742
#3	.0282893	-.034819	.0196451	.0380685	.0147576	34.71793	.0394514

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017812	.0003018	18.46080	.1215368	.0614444	.1411211	79.73796
Stddev	.0000726	.0000854	.09672	.0009658	.0004812	.0064067	.66549
%RSD	4.072862	28.29335	.5239230	.7946163	.7830918	4.539838	.8345948
#1	.0017110	.0003063	18.38494	.1221688	.0618678	.1456824	78.96952
#2	.0017767	.0002142	18.42774	.1220165	.0615441	.1337965	80.12051
#3	.0018559	.0003848	18.56971	.1204251	.0609211	.1438843	80.12385

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.668030	29.65271	.0799425	.0021572	1.098293	.2383740	.0789944
Stddev	.013197	.33265	.0001203	.0006195	.552075	.0093659	.0058119
%RSD	.7911598	1.121820	.1505055	28.71841	50.26665	3.929061	7.357412
#1	1.653623	29.26907	.0798188	.0020101	1.652264	.2279982	.0841572
#2	1.670934	29.82814	.0799495	.0028370	.548134	.2409205	.0726998
#3	1.679533	29.86093	.0800591	.0016245	1.094480	.2462032	.0801262

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9136705	.4780307	-.021903	-.000262	.0711810	1.107993	.0068697
Stddev	.0824201	.0038130	.002848	.000287	.0014644	.010557	.0017628
%RSD	9.020771	.7976541	13.00439	109.4232	2.057247	.9527637	25.65976
#1	.8712131	.4823461	-.024805	-.000088	.0704833	1.096468	.0052705
#2	1.008663	.4766297	-.021793	-.000594	.0728638	1.117195	.0087598
#3	.861135	.4751164	-.019111	-.000105	.0701960	1.110317	.0065788

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5179-20LDLX10 Acquired: 12/19/2024 2:18:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZA8L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6590582	-.048477	.0307574
Stddev	.0077145	.000808	.0032603
%RSD	1.170533	1.666840	10.60015
#1	.6502136	-.047565	.0342160
#2	.6643992	-.048762	.0303159
#3	.6625617	-.049104	.0277403

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2501.922	31306.32	2285.937	2155.938	2183.317
Stddev	8.480	245.30	16.362	19.861	11.428
%RSD	.3389380	.7835478	.7157875	.9212238	.5234048
#1	2492.131	31024.39	2304.588	2133.020	2170.135
#2	2506.733	31470.94	2279.228	2166.650	2189.397
#3	2506.903	31423.64	2273.996	2168.143	2190.419

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5179-22DLX2 Acquired: 12/19/2024 2:22:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZA8S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2239750	-.077986	.1215009	.3622287	.2545624	172.1796	4.138493
Stddev	.0072192	.000672	.0016135	.0119402	.0026102	7.8370	.190608
%RSD	3.223230	.8620921	1.327983	3.296310	1.025382	4.551653	4.605725
#1	.2211133	-.078164	.1205488	.3518036	.2517171	167.8208	4.024969
#2	.2186254	-.078551	.1205899	.3596275	.2568461	167.4909	4.031958
#3	.2321864	-.077242	.1233639	.3752551	.2551240	181.2270	4.358550

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1074005	.0992904	88.61327	.9501330	1.229262	1.149499	380.5782
Stddev	.0046769	.0006829	4.04758	.0041446	.006233	.047791	17.2041
%RSD	4.354678	.6878237	4.567696	.4362101	.5070779	4.157546	4.520519
#1	.1049747	.0992370	86.38806	.9537057	1.227257	1.130669	370.5056
#2	.1044347	.0999984	86.16648	.9511043	1.236251	1.113991	370.7858
#3	.1127919	.0986357	93.28527	.9455891	1.224277	1.203837	400.4431

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.886246	142.1664	1.364685	.0811859	1.303160	2.103891	1.149427
Stddev	.404952	6.4319	.005594	.0024823	.388122	.093084	.011680
%RSD	4.557068	4.524174	.4098853	3.057571	29.78318	4.424355	1.016183
#1	8.654327	138.5107	1.361630	.0788228	1.130762	2.041577	1.153012
#2	8.650571	138.3956	1.371141	.0809625	1.031101	2.059204	1.158895
#3	9.353840	149.5930	1.361284	.0837723	1.747616	2.210892	1.136375

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.410467	2.450761	-.080382	-.001733	.3623532	5.229641	.0349279
Stddev	.274192	.012286	.001519	.000175	.0102620	.224687	.0032331
%RSD	8.039729	.5013074	1.889840	10.08462	2.832038	4.296412	9.256543
#1	3.181248	2.447610	-.079446	-.001912	.3509978	5.118250	.0311957
#2	3.335934	2.464316	-.082135	-.001724	.3709633	5.082414	.0367137
#3	3.714220	2.440358	-.079566	-.001563	.3650985	5.488261	.0368742

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5179-22DLX2 Acquired: 12/19/2024 2:22:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZA8S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	3.192709	-.231602	.0889131
Stddev	.146163	.010789	.0038999
%RSD	4.578040	4.658386	4.386217
#1	3.104245	-.224868	.0865184
#2	3.112465	-.225892	.0868077
#3	3.361417	-.244046	.0934133

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2511.440	31581.90	2310.043	2167.618	2038.161
Stddev	6.965	18.91	95.144	5.261	6.732
%RSD	.2773459	.0598835	4.118694	.2427131	.3302876
#1	2517.169	31580.54	2359.385	2173.633	2041.991
#2	2503.686	31563.71	2370.381	2165.352	2030.389
#3	2513.464	31601.46	2200.365	2163.870	2042.105

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5177-20DLX2 Acquired: 12/19/2024 2:25:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYD021 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1838375	-.093401	.1295635	.1051496	.0433471	92.28490	.7157571
Stddev	.0054048	.002627	.0019859	.0028680	.0013773	.06970	.0022187
%RSD	2.939977	2.812242	1.532773	2.727532	3.177324	.0755243	.3099835
#1	.1859741	-.096311	.1273697	.1032021	.0441283	92.36283	.7177277
#2	.1776911	-.092685	.1312386	.1038036	.0441562	92.26335	.7133540
#3	.1878474	-.091206	.1300821	.1084430	.0417569	92.22853	.7161898

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080699	.0021602	76.52987	.1110158	.1402097	.1960837	231.6303
Stddev	.0001180	.0001146	.25273	.0008723	.0005241	.0052420	.6467
%RSD	1.462553	5.306523	.3302416	.7857686	.3738095	2.673371	.2791734
#1	.0079500	.0020282	76.27271	.1112839	.1398425	.2013620	232.3293
#2	.0081859	.0022176	76.77793	.1100408	.1408100	.1908787	231.0534
#3	.0080738	.0022348	76.53897	.1117225	.1399768	.1960104	231.5084

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.284023	44.84502	.1317249	.0067852	1.285849	.4323190	.3586719
Stddev	.006978	.18556	.0005935	.0005144	.360877	.0019679	.0087457
%RSD	.1628760	.4137881	.4505409	7.580941	28.06525	.4551859	2.438357
#1	4.277253	45.05872	.1311045	.0062209	.893456	.4300609	.3541013
#2	4.291191	44.75178	.1322872	.0069068	1.360584	.4336672	.3531586
#3	4.283625	44.72457	.1317829	.0072279	1.603507	.4332290	.3687559

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.95159	6.700095	-.045228	.0006862	1.090091	5.690740	.0211503
Stddev	.08632	.021837	.004128	.0005280	.002976	.058129	.0012758
%RSD	.7881627	.3259261	9.127209	76.94423	.2730229	1.021460	6.031946
#1	10.89160	6.675741	-.048647	.0006488	1.088299	5.741239	.0209625
#2	11.05051	6.717931	-.046395	.0001779	1.093526	5.703784	.0225096
#3	10.91264	6.706615	-.040642	.0012319	1.088447	5.627198	.0199789

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5177-20DLX2 Acquired: 12/19/2024 2:25:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYD021 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.182721	-.076600	.0722418
Stddev	.004559	.000533	.0051422
%RSD	.3854739	.6957549	7.118048
#1	1.187642	-.076219	.0771639
#2	1.181880	-.076371	.0726568
#3	1.178640	-.077209	.0669047

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2638.028	33024.34	2429.463	2284.411	2102.598
Stddev	.880	102.66	14.209	13.139	2.702
%RSD	.0333747	.3108566	.5848676	.5751653	.1285284
#1	2637.042	33133.15	2424.992	2293.562	2105.517
#2	2638.735	33010.67	2418.028	2290.315	2100.184
#3	2638.307	32929.20	2445.370	2269.355	2102.094

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5177-21DLX2 Acquired: 12/19/2024 2:29:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYD021D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1916603	-.100227	.1256806	.1068089	.0432870	93.36165	.7247624
Stddev	.0058953	.002650	.0018516	.0054157	.0026972	.41305	.0052143
%RSD	3.075887	2.644052	1.473231	5.070481	6.230965	.4424172	.7194453
#1	.1961425	-.103180	.1263863	.1039953	.0462015	93.53359	.7295126
#2	.1849823	-.098056	.1270756	.1130523	.0408789	93.66096	.7255911
#3	.1938562	-.099445	.1235800	.1033791	.0427806	92.89041	.7191834

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0081663	.0021729	77.85965	.1124812	.1418369	.1978860	234.6078
Stddev	.0000848	.0001179	.30444	.0001888	.0024098	.0064166	1.3529
%RSD	1.038106	5.426346	.3910066	.1678339	1.698986	3.242576	.5766436
#1	.0082497	.0021873	78.16757	.1123751	.1427134	.2032337	235.2164
#2	.0081690	.0022830	77.85258	.1123694	.1436858	.1996534	235.5495
#3	.0080802	.0020485	77.55882	.1126992	.1391115	.1907710	233.0575

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.327627	45.36614	.1330898	.0063514	1.893890	.4293487	.3762625
Stddev	.024155	.28087	.0014483	.0003481	.679973	.0037160	.0087603
%RSD	.5581531	.6191096	1.088224	5.481002	35.90355	.8655020	2.328242
#1	4.326711	45.47714	.1338967	.0067288	2.662162	.4327538	.3711394
#2	4.352226	45.57455	.1339550	.0060429	1.650045	.4253850	.3712703
#3	4.303943	45.04674	.1314178	.0062825	1.369461	.4299072	.3863777

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.02657	6.800488	-.048368	.0011889	1.114883	5.745895	.0230436
Stddev	.18159	.062910	.003980	.0003244	.011554	.064583	.0018625
%RSD	1.646862	.9250855	8.228958	27.28292	1.036347	1.123990	8.082531
#1	11.22635	6.796601	-.049562	.0015226	1.110701	5.767596	.0234780
#2	10.98184	6.865252	-.043928	.0008748	1.127946	5.796834	.0210023
#3	10.87153	6.739612	-.051616	.0011694	1.106003	5.673257	.0246506

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5177-21DLX2 Acquired: 12/19/2024 2:29:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYD021D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.190291	-.077619	.0690049
Stddev	.008756	.000982	.0022773
%RSD	.7355899	1.265438	3.300151
#1	1.192950	-.078289	.0709018
#2	1.197409	-.078077	.0664794
#3	1.180514	-.076491	.0696337

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2657.632	33048.43	2452.043	2286.538	2112.743
Stddev	31.475	79.61	24.058	12.253	24.978
%RSD	1.184312	.2408789	.9811518	.5358552	1.182264
#1	2651.982	33134.22	2449.232	2300.643	2109.486
#2	2629.364	33034.13	2429.514	2278.537	2089.553
#3	2691.548	32976.95	2477.383	2280.432	2139.189

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5177-20LDLX10 Acquired: 12/19/2024 2:33:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYD021L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0361045	-.018476	.0277515	.0256389	.0068405	20.50548	.1595782
Stddev	.0005383	.000579	.0017331	.0020255	.0017854	.01225	.0022521
%RSD	1.490944	3.133296	6.245113	7.900249	26.10111	.0597624	1.411275
#1	.0366681	-.017826	.0297143	.0239448	.0082486	20.50442	.1598091
#2	.0355956	-.018936	.0271077	.0278825	.0074404	20.51823	.1617060
#3	.0360499	-.018666	.0264323	.0250894	.0048323	20.49379	.1572196

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016290	.0002070	17.29241	.0250006	.0356157	.0465786	52.12037
Stddev	.0001193	.0000461	.07354	.0005946	.0004689	.0037691	.08226
%RSD	7.324975	22.28336	.4252959	2.378302	1.316537	8.091884	.1578310
#1	.0017596	.0001625	17.37451	.0244078	.0358767	.0443067	52.12582
#2	.0016017	.0002546	17.27014	.0249972	.0350744	.0509294	52.03551
#3	.0015257	.0002037	17.23257	.0255969	.0358960	.0444999	52.19977

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9670242	10.06241	.0262770	.0010613	.4828093	.1001187	.0829277
Stddev	.0016833	.11829	.0003143	.0001074	.2611078	.0041689	.0179957
%RSD	.1740717	1.175529	1.195960	10.11939	54.08095	4.163914	21.70044
#1	.9689358	10.19865	.0260606	.0010209	.7811493	.0994637	.1033422
#2	.9657639	9.98597	.0266374	.0011830	.3713521	.0963161	.0760790
#3	.9663728	10.00259	.0261329	.0009799	.2959265	.1045763	.0693618

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.705046	1.373667	-.016571	.0001666	.2265345	1.310312	.0033179
Stddev	.081172	.005309	.001074	.0003662	.0047913	.013040	.0022740
%RSD	3.000747	.3865122	6.479616	219.8362	2.115061	.9951946	68.53706
#1	2.626879	1.375933	-.017501	.0004958	.2315085	1.324972	.0014103
#2	2.699338	1.367601	-.016816	-.000228	.2261454	1.300005	.0058344
#3	2.788920	1.377468	-.015396	.000232	.2219495	1.305957	.0027091

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5177-20LDLX10 Acquired: 12/19/2024 2:33:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYD021L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2609227	-.017327	.0289073
Stddev	.0022542	.000388	.0035546
%RSD	.8639196	2.237157	12.29652
#1	.2630643	-.017384	.0319332
#2	.2611330	-.016914	.0249927
#3	.2585707	-.017683	.0297960

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2480.969	31106.66	2250.828	2148.909	2163.260
Stddev	3.433	59.78	9.248	3.930	4.237
%RSD	.1383756	.1921624	.4108630	.1829056	.1958836
#1	2478.184	31140.58	2242.771	2146.218	2158.628
#2	2479.919	31141.75	2260.926	2147.089	2166.941
#3	2484.804	31037.64	2248.788	2153.420	2164.212

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5177-22DLX2 Acquired: 12/19/2024 2:37:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYD021S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2663968	-.006435	.1616283	.2712653	.2075046	93.61410	4.344330
Stddev	.0028443	.006689	.0042927	.0040727	.0034766	.40920	.016105
%RSD	1.067695	103.9363	2.655885	1.501364	1.675409	.4371133	.3707049
#1	.2642154	-.002123	.1595737	.2743230	.2091248	93.91438	4.361879
#2	.2696138	-.014141	.1665621	.2666422	.2098753	93.77990	4.340881
#3	.2653610	-.003042	.1587491	.2728307	.2035136	93.14802	4.330229

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0998711	.0983255	75.53026	.4812481	1.086102	.6186173	228.7692
Stddev	.0008437	.0012817	.43880	.0008292	.013240	.0044401	1.2060
%RSD	.8448271	1.303517	.5809630	.1723051	1.219005	.7177421	.5271815
#1	.1002982	.0968765	75.87308	.4807773	1.070941	.6153921	230.1102
#2	.1004160	.0987894	75.68196	.4822055	1.091978	.6236814	228.4242
#3	.0988992	.0993107	75.03574	.4807614	1.095386	.6167785	227.7733

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.097696	43.98540	1.091023	.0744860	1.240892	1.322588	1.149329
Stddev	.026512	.30734	.013196	.0006393	.276483	.000775	.015689
%RSD	.5200737	.6987395	1.209544	.8582866	22.28100	.0586333	1.365067
#1	5.126437	44.28633	1.075930	.0751601	.949390	1.322612	1.136286
#2	5.092455	43.99785	1.096757	.0738883	1.273893	1.323351	1.144963
#3	5.074196	43.67202	1.100383	.0744097	1.499394	1.321801	1.166739

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.63990	6.708464	-.049411	.0007542	1.089622	5.614832	.0204731
Stddev	.29099	.074308	.004172	.0000530	.015167	.066946	.0017121
%RSD	2.734937	1.107679	8.444448	7.031078	1.391916	1.192312	8.362547
#1	10.97402	6.624823	-.054219	.0008070	1.073337	5.676190	.0224470
#2	10.44200	6.733706	-.046733	.0007009	1.092187	5.624874	.0195810
#3	10.50369	6.766864	-.047281	.0007547	1.103343	5.543432	.0193913

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5177-22DLX2 Acquired: 12/19/2024 2:37:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYD021S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.152591	-.076542	.0656382
Stddev	.006031	.000904	.0026788
%RSD	.5232819	1.180927	4.081202
#1	1.157511	-.077585	.0671789
#2	1.154400	-.076065	.0671909
#3	1.145863	-.075977	.0625450

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2672.658	33557.02	2496.019	2319.091	2127.809
Stddev	30.464	85.98	23.450	10.288	27.573
%RSD	1.139839	.2562238	.9394809	.4436214	1.295862
#1	2706.380	33581.37	2476.228	2315.487	2157.869
#2	2664.467	33461.49	2489.912	2311.089	2121.868
#3	2647.127	33628.20	2521.918	2330.696	2103.691

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5178-21DLX2 Acquired: 12/19/2024 2:41:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ88D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0832641	-.048622	.0757660	.0583901	.0193132	70.94128	.8694557
Stddev	.0075487	.002472	.0021140	.0025199	.0029572	3.65975	.0461649
%RSD	9.066007	5.084334	2.790179	4.315609	15.31183	5.158837	5.309631
#1	.0754047	-.045920	.0744584	.0556007	.0177397	66.86844	.8175667
#2	.0904581	-.050771	.0746348	.0605020	.0174753	73.95379	.9059759
#3	.0839297	-.049173	.0782050	.0590675	.0227244	72.00160	.8848246

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058004	.0012092	75.22836	.1100248	.1071166	.1187908	135.9798
Stddev	.0002224	.0001272	3.85258	.0009548	.0007653	.0010138	7.0482
%RSD	3.833285	10.52032	5.121187	.8677679	.7144349	.8534640	5.183283
#1	.0055438	.0013532	71.00824	.1109505	.1079433	.1193624	128.2036
#2	.0059361	.0011120	78.55718	.1090434	.1064328	.1193898	141.9475
#3	.0059213	.0011624	76.11966	.1100804	.1069739	.1176203	137.7884

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.768408	40.99554	.1156540	.0039515	1.514605	.2267276	.2859374
Stddev	.199788	2.09152	.0009281	.0012405	.373238	.0146358	.0024673
%RSD	5.301644	5.101817	.8024688	31.39169	24.64263	6.455231	.8628711
#1	3.548003	38.66442	.1165956	.0027078	1.777360	.2098794	.2847023
#2	3.937613	42.70777	.1147400	.0051887	1.679076	.2340077	.2843317
#3	3.819607	41.61445	.1156265	.0039581	1.087378	.2362958	.2887784

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.608092	4.966312	-.028777	.0002647	.1699698	7.018306	.0136670
Stddev	.545243	.049333	.004482	.0001772	.0042439	.231136	.0005395
%RSD	8.251138	.9933613	15.57351	66.95058	2.496864	3.293334	3.947142
#1	5.998721	4.997929	-.033947	.0004532	.1728440	6.760572	.0131953
#2	7.049854	4.909466	-.026369	.0001014	.1719701	7.207204	.0142552
#3	6.775702	4.991542	-.026014	.0002395	.1650954	7.087142	.0135506

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5178-21DLX2 Acquired: 12/19/2024 2:41:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ88D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4663796	.2517281	.0700263
Stddev	.0249836	.0134589	.0060559
%RSD	5.356923	5.346605	8.647982
#1	.4381996	.2365985	.0634688
#2	.4858169	.2623694	.0754080
#3	.4751225	.2562162	.0712022

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2637.027	32839.53	2468.092	2280.906	2124.973
Stddev	16.658	94.57	98.066	18.634	13.913
%RSD	.6317094	.2879885	3.973350	.8169433	.6547286
#1	2620.966	32914.02	2576.987	2301.092	2113.465
#2	2654.224	32733.13	2386.749	2264.362	2140.435
#3	2635.891	32871.45	2440.539	2277.263	2121.017

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5178-20LDLX10 Acquired: 12/19/2024 2:45:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ88L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0164102	-.010089	.0147155	.0143698	.0012125	15.84063	.1948054
Stddev	.0030054	.002642	.0010846	.0015866	.0005618	.15372	.0024014
%RSD	18.31429	26.19063	7.370674	11.04109	46.33438	.9704194	1.232690
#1	.0160182	-.007371	.0143765	.0159989	.0014474	15.70778	.1922079
#2	.0136200	-.012648	.0138408	.0128295	.0016187	15.80510	.1969446
#3	.0195924	-.010248	.0159291	.0142808	.0005714	16.00900	.1952636

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012130	.0001890	16.90886	.0239640	.0282191	.0266083	30.62908
Stddev	.0000628	.0000747	.07719	.0005839	.0003337	.0016156	.26533
%RSD	5.174355	39.50307	.4564962	2.436769	1.182564	6.071966	.8662613
#1	.0011699	.0002001	16.87977	.0239939	.0279389	.0284623	30.32323
#2	.0011841	.0002576	16.85044	.0245324	.0281303	.0258610	30.79760
#3	.0012850	.0001095	16.99636	.0233657	.0285883	.0255015	30.76641

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8540782	9.257281	.0230871	.0005489	.3755428	.0521513	.0657891
Stddev	.0057479	.174644	.0002835	.0006845	.4221184	.0077130	.0086929
%RSD	.6729966	1.886558	1.227822	124.7018	112.4022	14.78972	13.21331
#1	.8475130	9.069629	.0228770	.0008838	.8474845	.0586598	.0619673
#2	.8565173	9.287149	.0234095	-.000239	.0340388	.0541621	.0596619
#3	.8582044	9.415064	.0229749	.001001	.2451051	.0436320	.0757382

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.798818	1.005671	-.009120	-.000348	.0387115	1.658997	.0021076
Stddev	.087456	.002627	.001410	.000277	.0034358	.013868	.0000811
%RSD	4.861882	.2611857	15.46450	79.75324	8.875539	.8359152	3.846813
#1	1.718629	1.002784	-.008011	-.000421	.0418931	1.646791	.0020199
#2	1.892072	1.007919	-.010708	-.000041	.0391733	1.656122	.0021799
#3	1.785753	1.006309	-.008642	-.000581	.0350681	1.674076	.0021228

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5178-20LDLX10 Acquired: 12/19/2024 2:45:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ88L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0982581	.0562864	.0248050
Stddev	.0061386	.0008012	.0014510
%RSD	6.247383	1.423497	5.849656
#1	.0913722	.0554236	.0243642
#2	.1002449	.0564285	.0264254
#3	.1031572	.0570070	.0236256

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2480.594	31057.00	2238.311	2146.649	2166.893
Stddev	9.157	197.86	10.590	3.975	10.058
%RSD	.3691285	.6370909	.4731429	.1851569	.4641471
#1	2491.099	30925.32	2246.321	2146.958	2178.502
#2	2474.309	30961.14	2226.303	2142.529	2161.371
#3	2476.373	31284.53	2242.307	2150.461	2160.806

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5178-22DLX2 Acquired: 12/19/2024 2:49:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ88S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1650633	.0420157	.1162553	.2340002	.1994300	76.52845	4.866844
Stddev	.0072186	.0003841	.0038788	.0046557	.0025449	.51924	.039402
%RSD	4.373212	.9140979	3.336467	1.989596	1.276066	.6784991	.8096001
#1	.1643084	.0415823	.1206063	.2383627	.1969665	76.12740	4.850923
#2	.1726296	.0421511	.1131595	.2290983	.2020491	76.34299	4.837894
#3	.1582518	.0423138	.1150000	.2345395	.1992742	77.11496	4.911715

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1060090	.1019492	77.28071	.5060647	1.096977	.5860376	142.2272
Stddev	.0009249	.0003392	.64664	.0023232	.002197	.0059956	1.0850
%RSD	.8724658	.3326919	.8367368	.4590685	.2002982	1.023073	.7628399
#1	.1061190	.1020959	76.77459	.5051107	1.099149	.5843386	141.6763
#2	.1050340	.1021904	77.05834	.5043704	1.097026	.5810749	141.5283
#3	.1068739	.1015614	78.00918	.5087130	1.094756	.5926993	143.4771

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.866132	42.11102	1.123969	.0764259	1.168088	1.212309	1.119548
Stddev	.039367	.33533	.002332	.0006096	.635939	.022995	.007711
%RSD	.8090045	.7963093	.2075096	.7976039	54.44276	1.896777	.6887612
#1	4.850190	41.97894	1.124029	.0758543	.670479	1.209051	1.122241
#2	4.837236	41.86183	1.126271	.0763560	1.884554	1.191116	1.125551
#3	4.910970	42.49228	1.121607	.0770674	.949231	1.236759	1.110852

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.949243	4.994574	-.032064	.0002324	.1715441	7.167113	.0132631
Stddev	.132452	.006463	.002412	.0005518	.0011504	.061214	.0012703
%RSD	1.905989	.1293931	7.522995	237.4027	.6706190	.8540963	9.577422
#1	7.085932	4.999496	-.030366	.0006007	.1710048	7.183268	.0127002
#2	6.821481	4.996971	-.031001	.0004984	.1728651	7.099441	.0123715
#3	6.940314	4.987255	-.034825	-.000402	.1707624	7.218629	.0147175

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5178-22DLX2 Acquired: 12/19/2024 2:49:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZ88S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4764482	.2575807	.0707755
Stddev	.0057487	.0009846	.0032853
%RSD	1.206563	.3822438	4.641841
#1	.4791472	.2573103	.0690130
#2	.4698467	.2567595	.0745659
#3	.4803506	.2586722	.0687475

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2640.241	32923.98	2417.329	2282.719	2130.121
Stddev	2.525	212.69	17.965	10.413	1.471
%RSD	.0956199	.6459983	.7431925	.4561578	.0690474
#1	2637.453	33109.96	2424.624	2286.613	2128.472
#2	2642.372	32969.88	2430.499	2290.624	2130.593
#3	2640.899	32692.08	2396.864	2270.921	2131.297

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P4941-19A Acquired: 12/19/2024 2:53:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF7A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0678366	-.048676	.6767142	.1204062	.0231110	84.97779	.9777828
Stddev	.0027310	.003476	.0008418	.0049004	.0015992	.68562	.0088745
%RSD	4.025844	7.140889	.1243879	4.069854	6.919709	.8068224	.9076164
#1	.0677622	-.048194	.6769872	.1203334	.0220412	84.26270	.9686189
#2	.0651436	-.052368	.6773856	.1155426	.0249494	85.04113	.9783932
#3	.0706041	-.045467	.6757699	.1253425	.0223424	85.62955	.9863364

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0086434	.0072476	588.4041	.1362008	.1261878	.2025461	183.2990
Stddev	.0000401	.0001411	3.9451	.0014502	.0009479	.0026423	1.4523
%RSD	.4642057	1.947150	.6704728	1.064785	.7511908	1.304551	.7923316
#1	.0086373	.0070989	584.8167	.1362076	.1251131	.2055903	181.7245
#2	.0086862	.0072640	587.7663	.1376477	.1269048	.2008471	183.5865
#3	.0086067	.0073797	592.6292	.1347472	.1265455	.2012008	184.5862

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.344720	244.2595	.2428445	.0076211	1.324327	.1774026	3.707011
Stddev	.053562	2.1358	.0015906	.0013105	.809318	.0095943	.027952
%RSD	1.002156	.8743946	.6549934	17.19616	61.11164	5.408208	.7540378
#1	5.289253	241.9156	.2410940	.0076818	1.208677	.1786692	3.736275
#2	5.348759	244.7673	.2442014	.0062812	2.185249	.1672379	3.680587
#3	5.396149	246.0957	.2432381	.0089002	.579056	.1863007	3.704171

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.54272	7.164670	.0354090	.0085474	9.700817	12.68364	.0410146
Stddev	.03055	.030743	.0013274	.0006980	.042470	.07604	.0019214
%RSD	.2255915	.4290982	3.748655	8.166457	.4378018	.5995463	4.684752
#1	13.50932	7.147513	.0343948	.0080385	9.669117	12.60581	.0392275
#2	13.56925	7.146335	.0369113	.0082605	9.684262	12.68736	.0407694
#3	13.54960	7.200163	.0349209	.0093431	9.749072	12.75776	.0430468

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P4941-19A Acquired: 12/19/2024 2:53:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF7A Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8904637	.5728738	.1491102
Stddev	.0079919	.0047448	.0022020
%RSD	.8974969	.8282506	1.476731
#1	.8812709	.5680483	.1490716
#2	.8957604	.5730393	.1469277
#3	.8943596	.5775337	.1513311

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2505.735	31549.90	2407.451	2162.813	1866.161
Stddev	12.673	197.77	7.309	14.043	9.396
%RSD	.5057542	.6268543	.3036113	.6492870	.5035191
#1	2516.497	31335.34	2413.132	2146.642	1873.964
#2	2508.942	31589.48	2410.016	2171.935	1868.789
#3	2491.767	31724.89	2399.205	2169.862	1855.730

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P4978-01A Acquired: 12/19/2024 2:56:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ49A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0262039	.0051545	.2988566	.0591829	-.001123	28.73475
Stddev	.0030451	.0039711	.0064050	.0067752	.002375	.15243
%RSD	11.62076	77.04134	2.143160	11.44786	211.3781	.5304858
#1	.0281573	.0096003	.2915053	.0514120	.001202	28.57413
#2	.0226952	.0019590	.3018306	.0622855	-.003545	28.87741
#3	.0277591	.0039042	.3032338	.0638513	-.001027	28.75270

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2304272	.0030836	.0053205	F 1289.015	.0788917	.0909312
Stddev	.0010723	.0000514	.0001912	10.612	.0025755	.0010185
%RSD	.4653560	1.668002	3.593935	.8232992	3.264618	1.120075
#1	.2291897	.0030546	.0051004	1277.527	.0803819	.0897737
#2	.2310825	.0031430	.0054153	1298.452	.0803755	.0913296
#3	.2310093	.0030533	.0054457	1291.066	.0759177	.0916902

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0802164	88.52468	7.873606	605.9652	.0833028	.0053834
Stddev	.0073006	.40180	.029292	3.1294	.0013657	.0015091
%RSD	9.101187	.4538885	.3720266	.5164348	1.639409	28.03175
#1	.0726593	88.07115	7.841450	602.3517	.0819558	.0041957
#2	.0807597	88.66672	7.898768	607.7859	.0832662	.0048730
#3	.0872302	88.83617	7.880601	607.7579	.0846864	.0070815

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.520970	.0716925	.9395337	7.836013	4.669299	.0824702
Stddev	.139317	.0080933	.0295409	.190645	.073145	.0040338
%RSD	9.159775	11.28891	3.144210	2.432932	1.566508	4.891166
#1	1.678765	.0761809	.9641291	7.791665	4.585222	.0805268
#2	1.469183	.0623495	.9477046	7.671450	4.704374	.0871078
#3	1.414963	.0765471	.9067674	8.044922	4.718300	.0797760

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P4978-01A Acquired: 12/19/2024 2:56:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ49A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001210	23.02566	9.089780	.0316241	.5483546	.7432127
Stddev	.0006799	.38011	.036528	.0003397	.0075280	.0033606
%RSD	561.6726	1.650792	.4018625	1.074156	1.372844	.4521761
#1	.0005092	22.58688	9.102808	.0319925	.5396623	.7394698
#2	-.000664	23.25452	9.118009	.0315565	.5526267	.7459710
#3	.000518	23.23557	9.048524	.0313233	.5527747	.7441975

Elem	Li6707
Units	ppm
Avg	.0897829
Stddev	.0045373
%RSD	5.053591
#1	.0913569
#2	.0846683
#3	.0933236

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2290.724	29652.66	2273.175	1993.596	1703.855
Stddev	26.568	670.27	8.207	54.135	23.983
%RSD	1.159786	2.260419	.3610506	2.715459	1.407562
#1	2321.231	29298.85	2281.505	1963.892	1731.525
#2	2278.264	29233.43	2265.096	1960.815	1689.041
#3	2272.676	30425.71	2272.926	2056.081	1690.999

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P4979-03A Acquired: 12/19/2024 3:00:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ68A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0583402	-.014187	.3277902	.1311991	.0260803	72.49364
Stddev	.0053308	.000319	.0022898	.0005455	.0023879	.37089
%RSD	9.137426	2.248915	.6985507	.4157491	9.155931	.5116110
#1	.0540360	-.014239	.3283758	.1305713	.0237830	72.08624
#2	.0566814	-.013846	.3252645	.1314693	.0259084	72.58299
#3	.0643031	-.014478	.3297304	.1315568	.0285494	72.81168

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.006690	.0124793	.0075002	71.86812	.1891572	.1443820
Stddev	.003503	.0000236	.0001448	.33649	.0005952	.0005415
%RSD	.3479933	.1889121	1.930427	.4682063	.3146520	.3750280
#1	1.002709	.0125064	.0073501	71.56142	.1893719	.1443090
#2	1.008059	.0124680	.0075115	72.22806	.1884844	.1438808
#3	1.009301	.0124636	.0076390	71.81490	.1896152	.1449563

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2718999	158.4001	F 30.88399	17.27067	.1549079	.0103432
Stddev	.0039163	1.1147	.16085	.07960	.0009204	.0007867
%RSD	1.440337	.7037169	.5208239	.4608835	.5941243	7.606088
#1	.2763891	157.1600	30.70031	17.18199	.1542540	.0095618
#2	.2701264	158.7216	30.95198	17.29407	.1545094	.0111351
#3	.2691841	159.3187	30.99969	17.33594	.1559604	.0103327

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.624372	.1476399	.6094796	2.111374	5.943265	-.019262
Stddev	1.134408	.0054840	.0164931	.027748	.015060	.002934
%RSD	69.83669	3.714451	2.706099	1.314228	.2533972	15.23036
#1	.783367	.1485660	.6212450	2.080408	5.926929	-.018396
#2	1.175155	.1417518	.6165663	2.119729	5.946271	-.016859
#3	2.914595	.1526019	.5906275	2.133985	5.956596	-.022531

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P4979-03A Acquired: 12/19/2024 3:00:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ68A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025293	2.060415	8.491814	.0228478	.9483755	-.005119
Stddev	.0003266	.010667	.048994	.0019589	.0021824	.000282
%RSD	12.91460	.5177090	.5769498	8.573884	.2301182	5.510517
#1	.0028427	2.048434	8.477788	.0213570	.9459703	-.005265
#2	.0021909	2.063931	8.451363	.0221198	.9502292	-.004794
#3	.0025542	2.068881	8.546291	.0250665	.9489270	-.005298

Elem	Li6707
Units	ppm
Avg	.0528616
Stddev	.0027196
%RSD	5.144702
#1	.0497213
#2	.0544362
#3	.0544273

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3350.301	42239.55	3089.395	2899.736	2103.110
Stddev	10.379	158.08	7.797	18.178	6.880
%RSD	.3098025	.3742369	.2523939	.6268943	.3271336
#1	3339.537	42071.77	3093.411	2884.180	2095.338
#2	3360.247	42261.18	3094.366	2895.308	2108.422
#3	3351.117	42385.69	3080.409	2919.719	2105.569

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P4980-12A Acquired: 12/19/2024 3:04:39 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ88A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0961946	-.084047	.8924150	.1537120	.0408828	125.3448	1.785292
Stddev	.0071298	.005865	.0071233	.0023810	.0028018	.2776	.007889
%RSD	7.411886	6.978127	.7982037	1.548995	6.853284	.2214858	.4418963
#1	.0998288	-.087991	.8983984	.1564549	.0438988	125.6411	1.794396
#2	.0879799	-.077307	.8943111	.1525038	.0383609	125.0908	1.781032
#3	.1007750	-.086842	.8845355	.1521774	.0403888	125.3023	1.780449

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0128058	.0106117	693.3505	.1814992	.1631989	.3699230	255.7388
Stddev	.0001384	.0000959	.8006	.0005988	.0009008	.0014955	1.2227
%RSD	1.081028	.9039291	.1154669	.3299118	.5519867	.4042782	.4781025
#1	.0129310	.0107039	694.1440	.1810085	.1639214	.3713863	257.1506
#2	.0128294	.0105125	693.3645	.1821664	.1621895	.3683972	255.0216
#3	.0126571	.0106188	692.5430	.1813226	.1634857	.3699856	255.0442

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.069746	260.5009	.3241327	.0100734	1.895497	.2486106	3.943189
Stddev	.021103	.7110	.0012335	.0014648	.605998	.0066962	.013237
%RSD	.2984946	.2729333	.3805401	14.54149	31.97038	2.693452	.3356952
#1	7.093849	261.2936	.3249524	.0087087	1.330806	.2560240	3.928062
#2	7.054595	259.9196	.3247315	.0098902	1.819965	.2468069	3.952652
#3	7.060793	260.2894	.3227141	.0116211	2.535720	.2430011	3.948853

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.437872	5.556304	-.002314	.0098251	5.666350	12.16699	.0531668
Stddev	.135176	.008331	.003580	.0005105	.022955	.09335	.0005948
%RSD	1.817400	.1499403	154.7182	5.195616	.4051065	.7672052	1.118773
#1	7.564832	5.557679	.001798	.0096715	5.672953	12.25018	.0532476
#2	7.453028	5.547370	-.004006	.0103947	5.685279	12.18475	.0537171
#3	7.295758	5.563861	-.004734	.0094091	5.640817	12.06604	.0525357

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P4980-12A Acquired: 12/19/2024 3:04:39 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ88A Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8510150	.8806472	.2065808
Stddev	.0042906	.0026561	.0014842
%RSD	.5041710	.3016077	.7184398
#1	.8556195	.8837142	.2050138
#2	.8471290	.8791022	.2079652
#3	.8502966	.8791253	.2067634

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2634.555	33167.31	2550.805	2273.446	1868.765
Stddev	8.123	109.04	13.775	6.969	6.091
%RSD	.3083172	.3287460	.5400117	.3065265	.3259176
#1	2630.866	33291.96	2534.994	2281.447	1863.107
#2	2628.932	33120.38	2560.211	2270.195	1867.975
#3	2643.868	33089.60	2557.210	2268.697	1875.212

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P4982-20A Acquired: 12/19/2024 3:08:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF4A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0379419	-.038538	.1808175	.1002470	.0166188	67.38390	.4025582
Stddev	.0025677	.005554	.0048970	.0013204	.0047130	.16395	.0013917
%RSD	6.767468	14.41078	2.708242	1.317154	28.35978	.2433091	.3457163
#1	.0408401	-.036711	.1792193	.0994806	.0124424	67.20067	.4012758
#2	.0370341	-.044775	.1769194	.0994886	.0217288	67.51675	.4040381
#3	.0359513	-.034128	.1863140	.1017716	.0156852	67.43428	.4023607

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0061147	.0028219	291.8363	.0983261	.1279700	.0872291	148.3348
Stddev	.0000711	.0001268	.6556	.0005401	.0006268	.0007542	.2943
%RSD	1.162381	4.494221	.2246428	.5492919	.4898431	.8646140	.1983993
#1	.0060370	.0026979	291.1380	.0986636	.1285445	.0869028	148.1141
#2	.0061764	.0028165	292.4386	.0986116	.1280640	.0866930	148.6689
#3	.0061307	.0029514	291.9323	.0977032	.1273014	.0880915	148.2214

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.632891	112.6484	.1801270	.0063054	2.698103	.1575539	.3986567
Stddev	.032591	.3625	.0009215	.0003640	1.286439	.0066267	.0094674
%RSD	.4913564	.3218326	.5115717	5.773597	47.67940	4.205971	2.374827
#1	6.598052	112.2519	.1809627	.0065521	1.949426	.1640145	.3913854
#2	6.662634	112.9630	.1802796	.0064767	1.961345	.1578743	.4093618
#3	6.637987	112.7303	.1791388	.0058872	4.183540	.1507728	.3952228

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.817705	7.470674	-.004186	.0030577	2.334064	8.831523	.0262112
Stddev	.091118	.004102	.001614	.0004237	.011702	.015901	.0022048
%RSD	1.566215	.0549103	38.55502	13.85727	.5013371	.1800499	8.411833
#1	5.712600	7.466327	-.005229	.0035253	2.322082	8.814174	.0286829
#2	5.866107	7.474477	-.002327	.0029487	2.334647	8.845403	.0255039
#3	5.874407	7.471217	-.005002	.0026991	2.345463	8.834993	.0244468

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P4982-20A Acquired: 12/19/2024 3:08:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF4A Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.343615	.2256544	.1396780
Stddev	.004960	.0013977	.0008765
%RSD	.3691616	.6193864	.6275246
#1	1.338106	.2240773	.1396467
#2	1.345012	.2267396	.1405698
#3	1.347727	.2261463	.1388176

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2822.046	35622.92	2669.913	2434.563	1975.503
Stddev	14.758	323.10	2.498	21.128	9.042
%RSD	.5229616	.9069989	.0935596	.8678431	.4577255
#1	2805.110	35286.38	2667.790	2412.917	1965.264
#2	2828.869	35651.70	2669.283	2435.641	1978.856
#3	2832.157	35930.66	2672.666	2455.132	1982.391

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P4984-19A Acquired: 12/19/2024 3:12:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJR3A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3428285	-.097715	2.451163	.1550321	.0473638	67.37918
Stddev	.0021054	.004936	.014545	.0026220	.0006887	.32643
%RSD	.6141254	5.051111	.5933843	1.691293	1.454007	.4844693
#1	.3403975	-.100634	2.441368	.1576744	.0476039	67.67374
#2	.3440229	-.092016	2.467876	.1524308	.0479002	67.43557
#3	.3440650	-.100495	2.444247	.1549911	.0465872	67.02822

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.691818	.0103416	.0107776	74.55728	.1381838	.1460332
Stddev	.005375	.0001575	.0001886	.52974	.0008073	.0007436
%RSD	.3177200	1.523414	1.749842	.7105112	.5841939	.5091864
#1	1.697608	.0105151	.0105781	74.99989	.1373294	.1453918
#2	1.690859	.0103021	.0109529	74.70160	.1382882	.1468483
#3	1.686987	.0102075	.0108019	73.97033	.1389337	.1458597

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.349521	231.2202	6.063424	29.93651	.2757895	.0103092
Stddev	.010603	1.2810	.021280	.20093	.0012826	.0004483
%RSD	.7857107	.5540187	.3509612	.6711764	.4650555	4.348590
#1	1.361737	232.5523	6.086674	30.15316	.2754500	.0108109
#2	1.344135	231.1110	6.058688	29.90006	.2772077	.0099479
#3	1.342692	229.9973	6.044911	29.75630	.2747109	.0101687

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.760376	.2948893	4.611935	9.575193	F 16.01699	.0037014
Stddev	.050614	.0046864	.035739	.076065	.08255	.0007248
%RSD	2.875158	1.589203	.7749255	.7944005	.5154111	19.58142
#1	1.816878	.2926173	4.627136	9.621347	15.97495	.0034693
#2	1.745062	.2917721	4.571108	9.616834	16.11210	.0031211
#3	1.719188	.3002787	4.637560	9.487399	15.96392	.0045139

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P4984-19A Acquired: 12/19/2024 3:12:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJR3A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0095366	3.744769	8.131562	.1202839	1.144765	.0234446
Stddev	.0002126	.025165	.080675	.0016910	.007581	.0009436
%RSD	2.229735	.6720103	.9921232	1.405870	.6622402	4.024576
#1	.0095177	3.735452	8.183906	.1217917	1.151808	.0237256
#2	.0097581	3.773265	8.172125	.1206045	1.145745	.0223925
#3	.0093341	3.725592	8.038655	.1184556	1.136741	.0242157

Elem	Li6707
Units	ppm
Avg	.1246717
Stddev	.0033184
%RSD	2.661737
#1	.1283791
#2	.1219792
#3	.1236568

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3347.835	42137.27	3118.903	2900.204	2099.350
Stddev	14.564	235.38	30.633	12.012	15.616
%RSD	.4350318	.5586044	.9821727	.4141782	.7438440
#1	3353.913	41868.23	3092.962	2886.868	2108.921
#2	3331.216	42305.20	3111.049	2910.174	2081.330
#3	3358.375	42238.39	3152.699	2903.570	2107.799

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5008-20 Acquired: 12/19/2024 3:16:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJT0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0584727	-.038502	.2402294	.0507923	.0176726	60.74146
Stddev	.0065931	.003613	.0043673	.0038355	.0009165	.19915
%RSD	11.27553	9.382625	1.817956	7.551326	5.185849	.3278677
#1	.0632891	-.034918	.2430667	.0511911	.0185880	60.52068
#2	.0611706	-.038445	.2424212	.0467730	.0167551	60.90757
#3	.0509586	-.042143	.2352003	.0544128	.0176746	60.79612

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6131228	.0064287	.0051750	326.5877	.1368496	.1289344
Stddev	.0031728	.0000381	.0002524	1.4267	.0012529	.0016919
%RSD	.5174833	.5930684	4.876427	.4368366	.9155613	1.312208
#1	.6101005	.0064676	.0049474	325.1180	.1380623	.1286499
#2	.6164273	.0063913	.0054464	327.9670	.1369266	.1307505
#3	.6128406	.0064272	.0051312	326.6780	.1355600	.1274029

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1530976	145.5581	5.964259	70.58237	.1981573	.0063639
Stddev	.0041039	.6281	.022218	.33396	.0020742	.0005106
%RSD	2.680577	.4315213	.3725119	.4731449	1.046761	8.023331
#1	.1505815	144.9270	5.939011	70.33523	.1976362	.0059239
#2	.1508780	146.1832	5.980825	70.96229	.2004423	.0062440
#3	.1578332	145.5641	5.972941	70.44958	.1963932	.0069238

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.531492	.1630423	.6917543	6.437367	F 11.72705	-.015050
Stddev	.081851	.0103856	.0057158	.164854	.11616	.000999
%RSD	5.344524	6.369860	.8262789	2.560898	.9905672	6.637748
#1	1.444581	.1564862	.6975758	6.516979	11.65030	-.015707
#2	1.607110	.1576242	.6915366	6.547306	11.86070	-.013901
#3	1.542787	.1750165	.6861504	6.247816	11.67017	-.015544

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5008-20 Acquired: 12/19/2024 3:16:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJT0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030443	.8753043	10.19301	.0295010	1.095866	.1728137
Stddev	.0004777	.0081197	.02627	.0010165	.007139	.0010738
%RSD	15.69054	.9276439	.2577107	3.445771	.6514159	.6213676
#1	.0033434	.8775561	10.18365	.0297871	1.088102	.1718541
#2	.0024934	.8820605	10.22267	.0283721	1.102145	.1739736
#3	.0032963	.8662964	10.17270	.0303439	1.097351	.1726136

Elem	Li6707
Units	ppm
Avg	.1247926
Stddev	.0015138
%RSD	1.213068
#1	.1237013
#2	.1265208
#3	.1241556

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2893.881	36366.91	2766.315	2493.869	1980.639
Stddev	20.217	181.28	6.847	20.622	20.080
%RSD	.6986080	.4984689	.2475187	.8268892	1.013794
#1	2907.736	36370.37	2765.057	2484.113	1993.263
#2	2870.682	36183.93	2760.184	2479.935	1957.485
#3	2903.223	36546.43	2773.704	2517.558	1991.170

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5008-21 Acquired: 12/19/2024 3:19:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJT0D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0504968	-.038569	.2396871	.0537672	.0179964	61.24348
Stddev	.0017621	.003460	.0037554	.0030743	.0010466	.06134
%RSD	3.489463	8.971426	1.566793	5.717748	5.815516	.1001615
#1	.0520420	-.038366	.2354314	.0571186	.0174079	61.23845
#2	.0485778	-.035214	.2425360	.0531051	.0192048	61.18480
#3	.0508705	-.042126	.2410940	.0510780	.0173766	61.30718

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6200947	.0063407	.0049697	328.7311	.1356933	.1285531
Stddev	.0012925	.0001251	.0000637	.5791	.0002447	.0004094
%RSD	.2084327	1.973133	1.281894	.1761484	.1803161	.3184374
#1	.6211475	.0064842	.0050029	328.5349	.1354244	.1285732
#2	.6204844	.0062838	.0050099	328.2756	.1357528	.1281340
#3	.6186522	.0062541	.0048962	329.3828	.1359027	.1289520

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1547445	146.8777	6.022127	71.47748	.1987898	.0064598
Stddev	.0105919	.1786	.011083	.08395	.0011278	.0013644
%RSD	6.844783	.1215915	.1840437	.1174536	.5673147	21.12187
#1	.1519966	146.7107	6.009342	71.42949	.1989680	.0049126
#2	.1664396	147.0660	6.029028	71.42853	.1975836	.0074911
#3	.1457974	146.8566	6.028010	71.57442	.1998179	.0069756

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9976032	.1649747	.6943539	6.612154	F 11.76093	-.018495
Stddev	.5202455	.0090423	.0041651	.087837	.03090	.002343
%RSD	52.14954	5.481052	.5998570	1.328419	.2626947	12.66952
#1	1.489872	.1709877	.6927436	6.561089	11.74847	-.020643
#2	.453293	.1693605	.6912344	6.713579	11.73820	-.018845
#3	1.049645	.1545758	.6990838	6.561795	11.79610	-.015996

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5008-21 Acquired: 12/19/2024 3:19:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJT0D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030470	.8772014	10.29394	.0280018	1.111640	.1755717
Stddev	.0001100	.0091679	.12091	.0010475	.004641	.0008549
%RSD	3.611456	1.045129	1.174591	3.740718	.4174791	.4869210
#1	.0031725	.8718833	10.41498	.0274309	1.114743	.1765575
#2	.0030014	.8719335	10.29369	.0273638	1.106305	.1751240
#3	.0029671	.8877876	10.17315	.0292107	1.113872	.1750336

Elem	Li6707
Units	ppm
Avg	.1276907
Stddev	.0024751
%RSD	1.938369
#1	.1270745
#2	.1304157
#3	.1255819

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2897.123	36501.76	2734.934	2497.346	1980.438
Stddev	4.482	125.71	24.697	13.282	8.456
%RSD	.1547128	.3444037	.9030354	.5318373	.4269797
#1	2901.388	36568.45	2706.429	2505.937	1987.045
#2	2897.532	36580.07	2748.452	2504.052	1983.360
#3	2892.451	36356.75	2749.923	2482.048	1970.908

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5008-20LX5 Acquired: 12/19/2024 3:23:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJT0L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080528	.0013458	.0539423	.0034567	-.005327	15.10601	.1519935
Stddev	.0012441	.0008000	.0040465	.0059933	.002911	.09041	.0014887
%RSD	15.44875	59.44815	7.501475	173.3810	54.64965	.5984902	.9794718
#1	.0085581	.0004392	.0574658	.0037355	-.001970	15.08527	.1528357
#2	.0066356	.0019528	.0495230	.0093058	-.006850	15.02778	.1502745
#3	.0089646	.0016453	.0548382	-.002671	-.007160	15.20499	.1528701

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016384	.0008314	80.21521	.0343826	.0480242	.0367537	36.27525
Stddev	.0000741	.0001001	.44874	.0013456	.0001847	.0106168	.15275
%RSD	4.524838	12.04436	.5594259	3.913734	.3845195	28.88623	.4210941
#1	.0015836	.0007171	79.89024	.0347462	.0481285	.0447545	36.36403
#2	.0016089	.0008733	80.02818	.0355091	.0478110	.0247093	36.09887
#3	.0017228	.0009038	80.72722	.0328926	.0481331	.0407973	36.36285

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.490900	17.54583	.0379071	.0015097	.7166509	.0425957	.1727690
Stddev	.004814	.10693	.0009162	.0009136	.5162625	.0080871	.0002677
%RSD	.3229109	.6094104	2.417078	60.51382	72.03822	18.98579	.1549775
#1	1.491760	17.50213	.0385653	.0009961	.8901182	.0422457	.1724662
#2	1.485714	17.46767	.0368606	.0025645	1.123839	.0346892	.1729744
#3	1.495227	17.66768	.0382953	.0009685	.135995	.0508521	.1728664

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.049761	2.367454	-.010682	.0015861	.1898886	2.934121	.0068259
Stddev	.162981	.004954	.000838	.0002911	.0058640	.027233	.0015757
%RSD	7.951235	.2092435	7.848594	18.35272	3.088106	.9281640	23.08348
#1	2.083005	2.366085	-.011642	.0018687	.1950591	2.951029	.0082529
#2	1.872721	2.363329	-.010314	.0016023	.1910897	2.902706	.0070900
#3	2.193557	2.372948	-.010091	.0012872	.1835171	2.948630	.0051349

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5008-20LX5 Acquired: 12/19/2024 3:23:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJT0L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2900627	.0424281	.0419329
Stddev	.0075371	.0004866	.0032685
%RSD	2.598426	1.146967	7.794469
#1	.2890867	.0428837	.0405071
#2	.2830612	.0419155	.0456720
#3	.2980402	.0424852	.0396195

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2551.217	31704.77	2332.697	2187.429	2133.137
Stddev	6.133	339.03	25.668	23.421	5.015
%RSD	.2403893	1.069327	1.100353	1.070697	.2351033
#1	2551.405	31746.57	2315.264	2196.498	2128.695
#2	2544.992	31346.78	2362.172	2160.831	2132.140
#3	2557.253	32020.96	2320.656	2204.960	2138.575

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5008-22 Acquired: 12/19/2024 3:27:39 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJT0S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1274459	.0515084	.2794173	.1887653	.1678448	64.38732
Stddev	.0035469	.0035347	.0021385	.0055113	.0009450	.21386
%RSD	2.783049	6.862340	.7653486	2.919656	.5630162	.3321481
#1	.1237237	.0555820	.2775335	.1948770	.1673698	64.24746
#2	.1307867	.0492512	.2789766	.1841734	.1689330	64.63350
#3	.1278272	.0496921	.2817419	.1872453	.1672315	64.28099

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.960545	.0882471	.1016264	328.5707	.4660303	1.088181
Stddev	.007759	.0005416	.0003506	1.3626	.0038665	.003523
%RSD	.1958988	.6137477	.3449842	.4146978	.8296775	.3237330
#1	3.953731	.0886866	.1016167	327.5130	.4616720	1.088453
#2	3.968989	.0884126	.1012808	330.1083	.4690485	1.084530
#3	3.958913	.0876420	.1019818	328.0907	.4673704	1.091560

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5337611	148.6128	6.848173	71.23810	1.167388	.0669815
Stddev	.0116417	.4403	.023751	.22629	.003099	.0008531
%RSD	2.181066	.2962917	.3468204	.3176564	.2654756	1.273649
#1	.5283072	148.1332	6.827493	70.98777	1.167560	.0667364
#2	.5471286	148.9987	6.874113	71.29838	1.164206	.0662777
#3	.5258476	148.7067	6.842912	71.42815	1.170397	.0679303

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.286775	1.001269	1.395835	6.764649	F 11.67594	-.023501
Stddev	.431519	.007193	.021518	.184518	.03991	.001886
%RSD	33.53492	.7183436	1.541572	2.727675	.3418069	8.025258
#1	.867428	1.007381	1.385641	6.948551	11.67720	-.025677
#2	1.729515	.993343	1.381309	6.579521	11.63541	-.022337
#3	1.263383	1.003083	1.420556	6.765874	11.71520	-.022489

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: P5008-22 Acquired: 12/19/2024 3:27:39 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJT0S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030761	.8803052	10.57366	.0285882	1.128382	.1739686
Stddev	.0002733	.0076367	.06346	.0016177	.007253	.0003669
%RSD	8.886167	.8675046	.6001512	5.658754	.6427596	.2108827
#1	.0028876	.8869425	10.60880	.0304425	1.121602	.1743771
#2	.0029511	.8719587	10.61178	.0278569	1.136030	.1738616
#3	.0033896	.8820144	10.50041	.0274653	1.127515	.1736671

Elem	Li6707
Units	ppm
Avg	.1266580
Stddev	.0027695
%RSD	2.186607
#1	.1282823
#2	.1282315
#3	.1234602

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2888.401	36383.61	2723.259	2492.066	1977.700
Stddev	3.559	170.11	13.816	11.819	5.359
%RSD	.1232275	.4675326	.5073386	.4742691	.2709687
#1	2884.446	36579.68	2710.678	2502.751	1974.530
#2	2891.347	36275.38	2721.053	2479.371	1983.887
#3	2889.409	36295.78	2738.045	2494.075	1974.683

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCV066 Acquired: 12/19/2024 3:31:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV066 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.542418	4.786164	24.85217	4.868213	4.913780	407.2149	10.35683
Stddev	.013531	.012463	.08185	.014734	.009082	4.9461	.13591
%RSD	.2978799	.2603907	.3293512	.3026529	.1848342	1.214618	1.312321
#1	4.528079	4.791229	24.87119	4.851402	4.903607	401.7988	10.20447
#2	4.544214	4.771966	24.76248	4.874353	4.916662	411.4925	10.46561
#3	4.554961	4.795297	24.92283	4.878884	4.921073	408.3533	10.40040

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5243800	2.488291	410.6933	15.24215	2.490428	15.11528	411.8958
Stddev	.0026280	.006634	4.9100	.02051	.007689	.18320	5.5593
%RSD	.5011661	.2666172	1.195551	.1345792	.3087331	1.212021	1.349676
#1	.5219489	2.489706	405.3682	15.22026	2.491357	14.91619	405.8078
#2	.5271684	2.481063	415.0415	15.26093	2.482317	15.27675	416.7026
#3	.5240226	2.494104	411.6703	15.24526	2.497610	15.15290	413.1771

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.12108	408.6422	2.475764	1.262493	407.8928	2.513493	14.35103
Stddev	.20269	5.0438	.005299	.002007	5.3045	.037008	.15201
%RSD	1.340441	1.234286	.2140174	.1589876	1.300470	1.472369	1.059204
#1	14.90274	403.1014	2.474618	1.260401	402.1511	2.471254	14.17743
#2	15.30325	412.9666	2.471132	1.262676	412.6110	2.540220	14.46029
#3	15.15727	409.8586	2.481542	1.264403	408.9162	2.529007	14.41535

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	152.3557	4.954313	4.858700	4.852192	4.990850	4.816300	5.017152
Stddev	1.5560	.010257	.028264	.003073	.010049	.022735	.018523
%RSD	1.021308	.2070304	.5817110	.0633298	.2013531	.4720410	.3691964
#1	150.7964	4.952844	4.826449	4.849350	4.987051	4.799933	5.027635
#2	153.9084	4.944870	4.879154	4.855453	4.983255	4.842259	4.995765
#3	152.3625	4.965226	4.870497	4.851773	5.002245	4.806709	5.028057

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCV066 Acquired: 12/19/2024 3:31:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV066 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.140033	4.944780	5.209493
Stddev	.066334	.061247	.060361
%RSD	1.290541	1.238614	1.158680
#1	5.066468	4.877821	5.140678
#2	5.195292	4.997971	5.253487
#3	5.158339	4.958548	5.234314

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2085.620	27258.07	2126.265	1787.363	1774.282
Stddev	3.975	38.88	9.739	7.912	6.091
%RSD	.1906079	.1426198	.4580160	.4426884	.3432724
#1	2089.308	27284.48	2133.946	1796.150	1775.390
#2	2086.143	27213.43	2115.312	1780.801	1779.742
#3	2081.409	27276.31	2129.537	1785.138	1767.713

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

Sample Name: CCB066 Acquired: 12/19/2024 3:35:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB066 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002225	.0035773	.0010961	.0031625	-.001256	.0244912
Stddev	.001250	.0012345	.0020799	.0020893	.003742	.0171161
%RSD	56.17391	34.50894	189.7477	66.06540	297.8904	69.88674
#1	-.003485	.0049606	.0030589	.0047638	-.000628	.0290593
#2	-.002205	.0025876	.0013134	.0039247	-.005272	.0388597
#3	-.000985	.0031837	-.001084	.0007991	.002132	.0055545

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000680	-.000104	.0000059	.0497642	.0007165	-.000357
Stddev	.000375	.000084	.0001078	.0322086	.0005925	.000402
%RSD	55.18360	80.28755	1826.279	64.72250	82.69705	112.4017
#1	-.000699	-.000008	-.000118	.0795198	.0010369	-.000106
#2	-.001046	-.000141	.000060	.0155642	.0000328	-.000145
#3	-.000296	-.000163	.000076	.0542086	.0010799	-.000820

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031949	.0077337	.0037439	.0109501	-.000196	.0006558
Stddev	.0012488	.0578207	.0008643	.0183366	.000820	.0009077
%RSD	39.08554	747.6449	23.08572	167.4566	417.5061	138.4120
#1	.0027666	.0744218	.0044173	-.009299	.000742	.0007054
#2	.0022167	-.022827	.0040450	.015716	-.000773	.0015377
#3	.0046015	-.028394	.0027693	.026433	-.000558	-.000276

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.129339	.0019576	.0214440	.5265609	-.000800	.0099477
Stddev	.733340	.0022964	.0054140	.3312293	.002201	.0035702
%RSD	64.93534	117.3091	25.24701	62.90427	274.9280	35.88993
#1	.445575	.0042778	.0153265	.7691874	.001210	.0136494
#2	1.903814	-.000314	.0233878	.1491966	-.000460	.0065253
#3	1.038626	.001909	.0256178	.6612986	-.003152	.0096685

Reviewed By:Mohan
On:12/21/2024 3:05:48 AM
Inst Id :P5

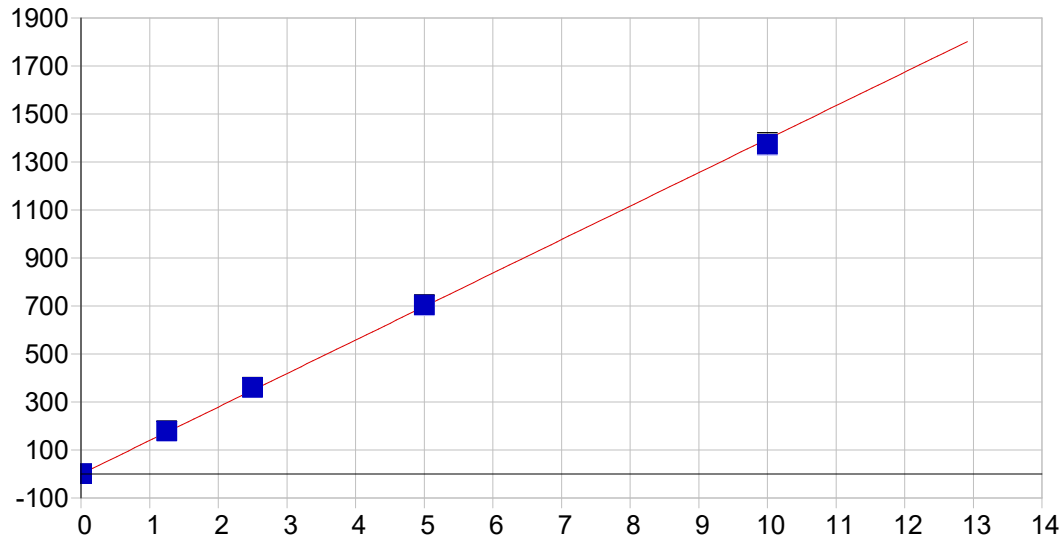
Sample Name: CCB066 Acquired: 12/19/2024 3:35:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v30) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB066 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003216	.0029124	-.001025	.0012333	-.002977	.0002895
Stddev	.0006956	.0016124	.001276	.0011961	.001202	.0001288
%RSD	216.3291	55.36489	124.4806	96.98299	40.36373	44.49454
#1	.0005123	.0019141	-.001610	.0004729	-.002537	.0001570
#2	-.000450	.0047726	-.001903	.0006150	-.004336	.0002972
#3	.000902	.0020504	.000439	.0026120	-.002057	.0004142

Elem	Li6707
Units	ppm
Avg	F .0236369
Stddev	.0040463
%RSD	17.11840
#1	.0266573
#2	.0252139
#3	.0190396

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2403.430	30218.40	2217.566	2073.365	2177.139
Stddev	.689	64.61	127.772	6.555	2.489
%RSD	.0286837	.2138042	5.761834	.3161729	.1143334
#1	2403.348	30235.24	2161.262	2074.203	2174.801
#2	2402.785	30147.04	2363.820	2066.430	2179.756
#3	2404.157	30272.92	2127.615	2079.461	2176.861

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



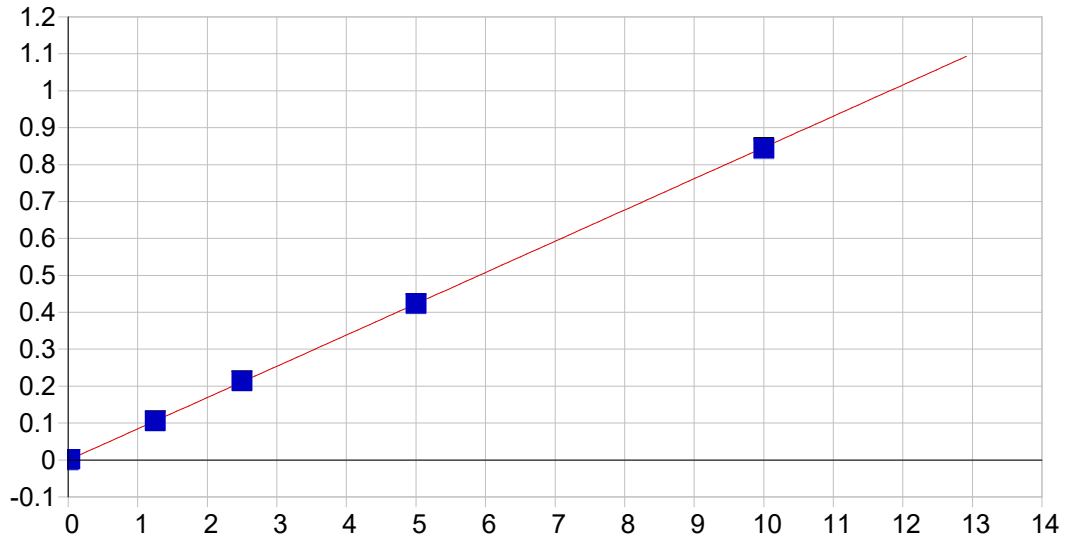
As 189.042 {478}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.139379	Re-Slope:	1.000000
A1 (Gain):	139.527252	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999838	Status:	OK.
Std Error of Est:	0.041962		
Predicted MDL:	0.005577		
Predicted MQL:	0.018590		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.13961	.234	1
S1	.01000	.01118	.001	11.8	1.4180	.037	1
S2	1.2500	1.2804	.030	2.43	177.78	.441	1
S3	2.5000	2.5785	.078	3.14	358.16	1.53	1
S4	5.0000	5.0426	.043	.852	700.51	1.39	1
S5	10.000	9.8473	-.153	-1.53	1368.0	6.94	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



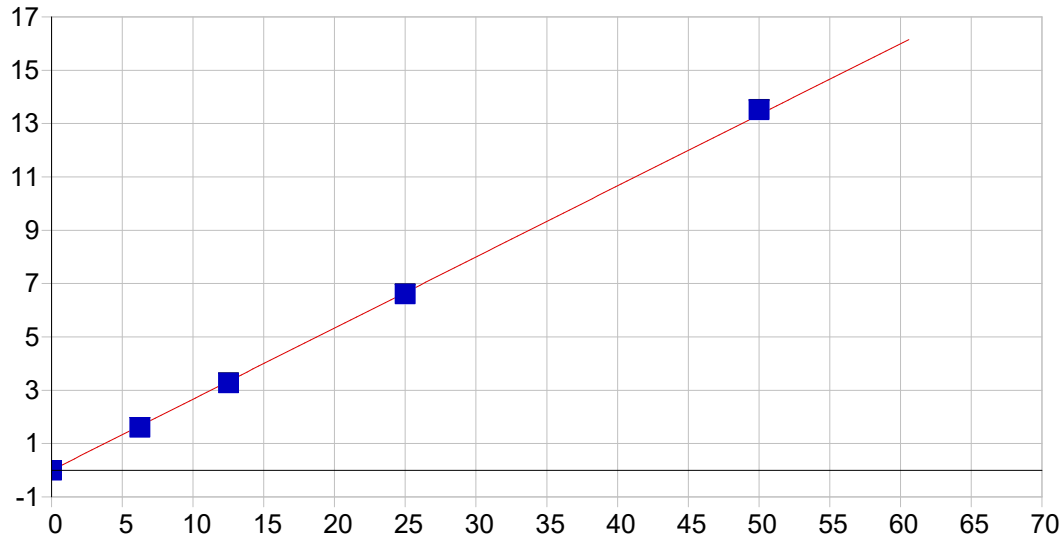
Tl 190.856 {477}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000220	Re-Slope:	1.000000
A1 (Gain):	0.084660	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999987	Status:	OK.
Std Error of Est:	0.000011		
Predicted MDL:	0.003029		
Predicted MQL:	0.010096		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00022	.000	1
S1	.02500	.02519	.000	.746	.00184	.000	1
S2	1.2500	1.2524	.002	.189	.10553	.001	1
S3	2.5000	2.5300	.030	1.20	.21343	.001	1
S4	5.0000	4.9996	-.000	-.008	.42195	.000	1
S5	10.000	9.9678	-.032	-.322	.84147	.003	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



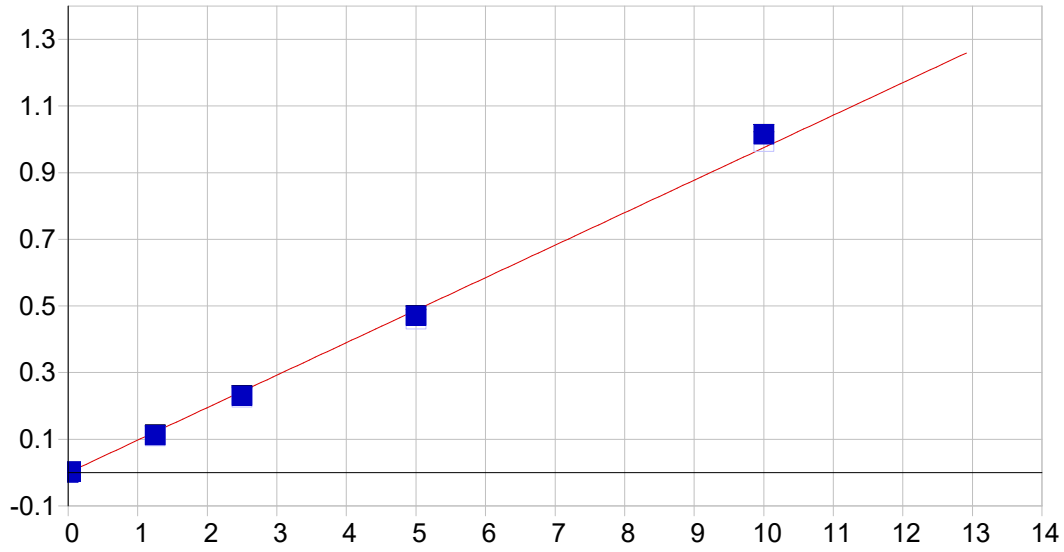
Pb 220.353 {453}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000159	Re-Slope:	1.000000
A1 (Gain):	0.266560	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999861	Status:	OK.
Std Error of Est:	0.000166		
Predicted MDL:	0.002382		
Predicted MQL:	0.007940		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00016	.000	1
S1	.01000	.00742	-.003	-25.8	.00212	.001	1
S2	6.2500	6.0156	-.234	-3.75	1.6019	.004	1
S3	12.500	12.261	-.239	-1.91	3.2648	.004	1
S4	25.000	24.772	-.228	-.911	6.5963	.010	1
S5	50.000	50.704	.704	1.41	13.501	.019	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

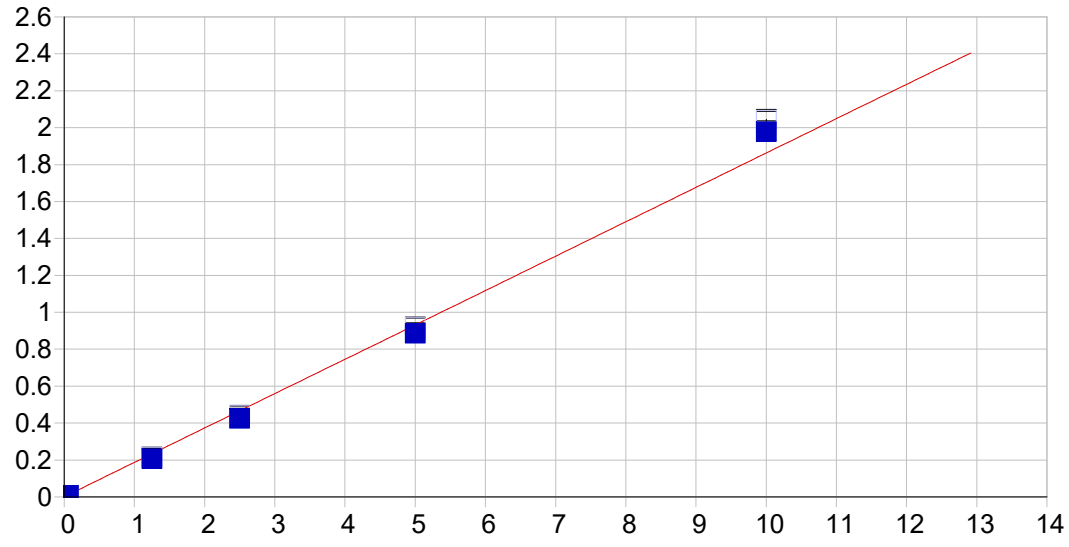


Se 196.090 {472}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000207	Re-Slope:	1.000000
A1 (Gain):	0.097523	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998947	Status:	OK.
Std Error of Est:	0.000137		
Predicted MDL:	0.003721		
Predicted MQL:	0.012404		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	-.00021	.000	1
S1	.03500	.02914	-.006	-16.7	.00263	.000	1
S2	1.2500	1.1550	-.095	-7.60	.10969	.000	1
S3	2.5000	2.3666	-.133	-5.34	.22510	.000	1
S4	5.0000	4.8274	-.173	-3.45	.45960	.001	1
S5	10.000	10.407	.407	4.07	.99278	.000	1

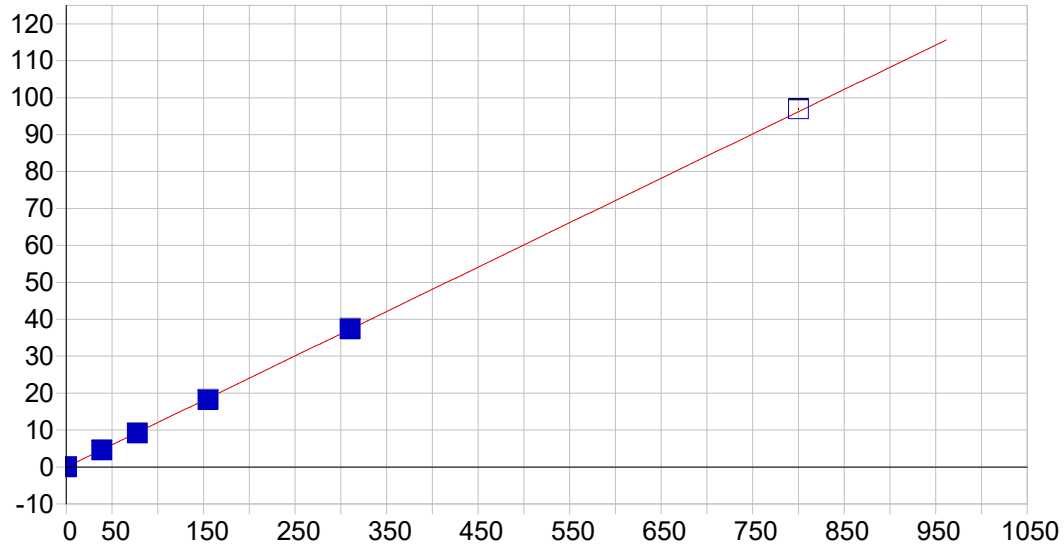


Sb 206.833 {463}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000823	Re-Slope:	1.000000
A1 (Gain):	0.186161	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.997822	Status:	OK.
Std Error of Est:	0.000523		
Predicted MDL:	0.002511		
Predicted MQL:	0.008370		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00083	.000	1
S1	.06000	.04933	-.011	-17.8	.01001	.000	1
S2	1.2500	1.1073	-.143	-11.4	.21473	.000	1
S3	2.5000	2.2778	-.222	-8.89	.44042	.002	1
S4	5.0000	4.7579	-.242	-4.84	.91768	.002	1
S5	10.000	10.617	.617	6.17	2.0396	.005	1

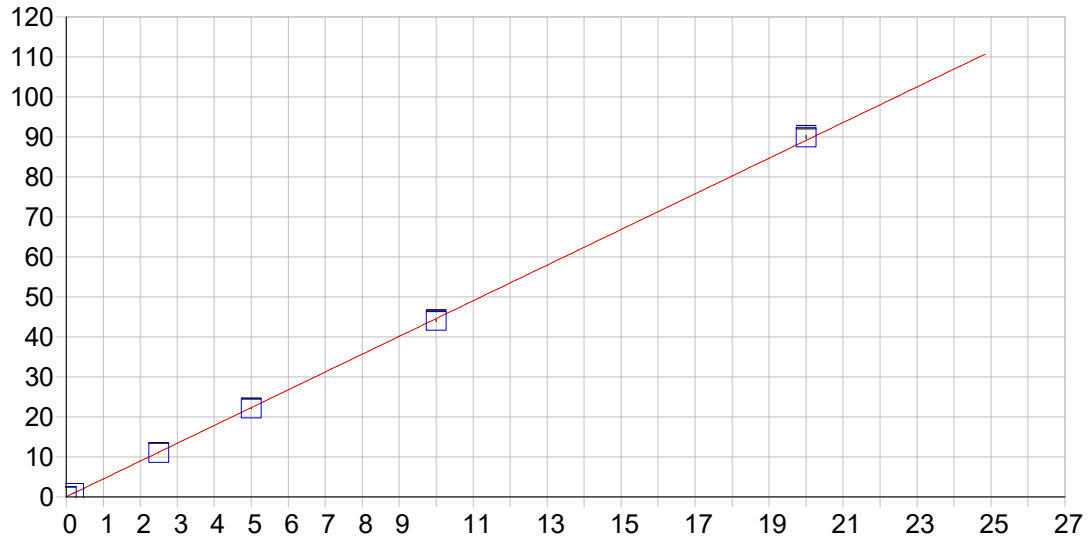


Al 396.152 { 85}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002445	Re-Slope:	1.000000
A1 (Gain):	0.120257	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999930	Status:	OK.
Std Error of Est:	0.000883		
Predicted MDL:	0.023684		
Predicted MQL:	0.078948		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	-.00244	.002	1
S1	.20000	.18779	-.012	-6.10	.02018	.003	1
S2	38.750	37.650	-1.10	-2.84	4.5303	.030	1
S3	77.500	75.936	-1.56	-2.02	9.1394	.044	1
S4	155.00	151.38	-3.62	-2.34	18.222	.085	1
S5	310.00	310.34	.345	.111	37.359	.188	1
S6	800.00	805.96	5.96	.745	96.919	.193	1



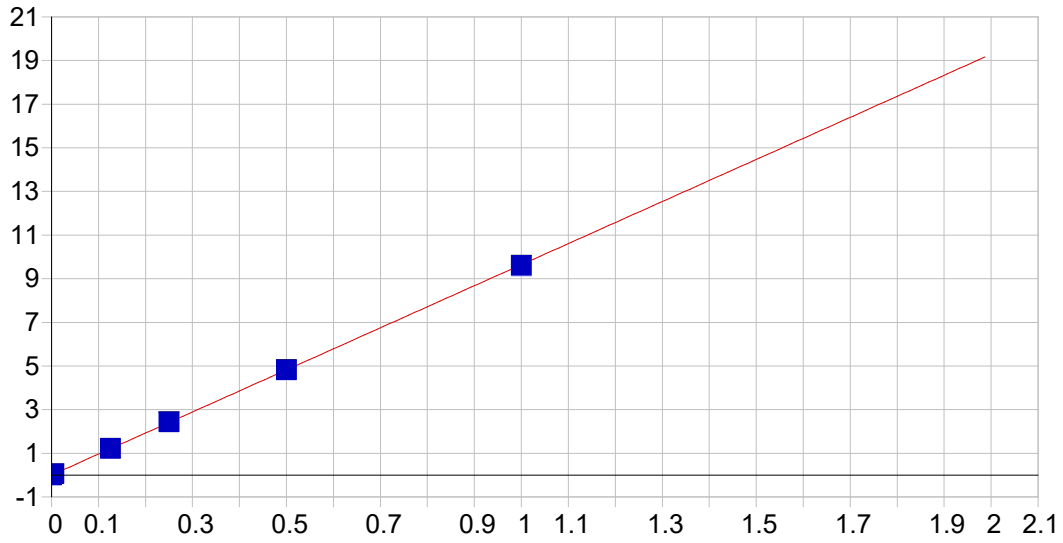
Ba 493.409 { 68}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.042860	Re-Slope:	1.000000
A1 (Gain):	4.454282	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999950	Status:	OK.
Std Error of Est:	0.004723		
Predicted MDL:	0.001278		
Predicted MQL:	0.004261		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.04287	.004	1
S1	.20000	.20162	.002	.812	.94095	.010	1
S2	2.5000	2.4660	-.034	-1.36	11.027	.075	1
S3	5.0000	4.9636	-.036	-.728	22.152	.118	1
S4	10.000	9.8850	-.115	-1.15	44.073	.221	1
S5	20.000	20.184	.184	.919	89.947	.466	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



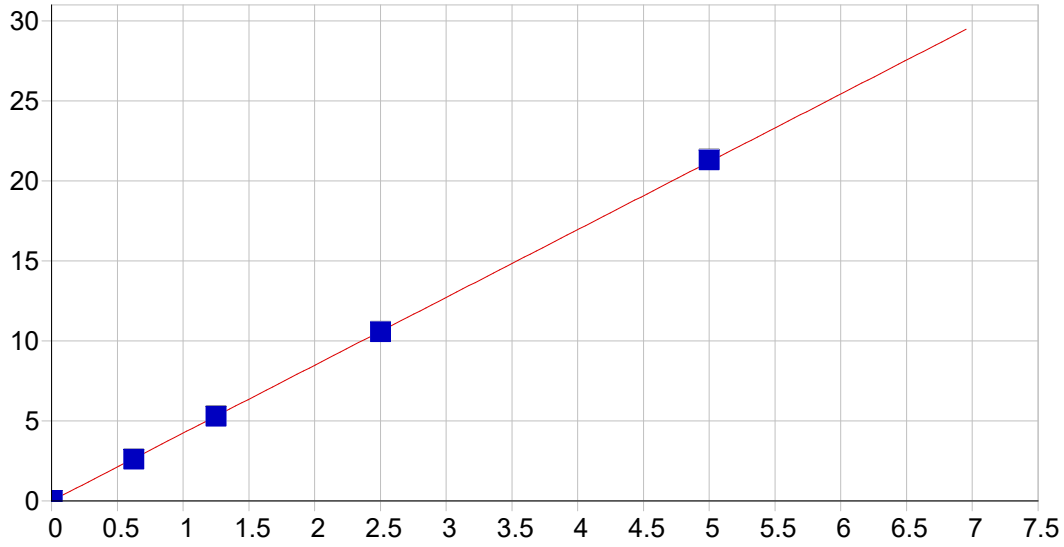
Be 234.861 {144}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000184	Re-Slope:	1.000000
A1 (Gain):	9.644659	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999984	Status:	OK.
Std Error of Est:	0.000204		
Predicted MDL:	0.000123		
Predicted MQL:	0.000409		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00019	.001	1
S1	.00500	.00516	.000	3.21	.04954	.001	1
S2	.12500	.12594	.001	.751	1.2089	.009	1
S3	.25000	.25294	.003	1.18	2.4283	.013	1
S4	.50000	.49945	-.001	-.111	4.7947	.012	1
S5	1.0000	.99652	-.003	-.348	9.5666	.012	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



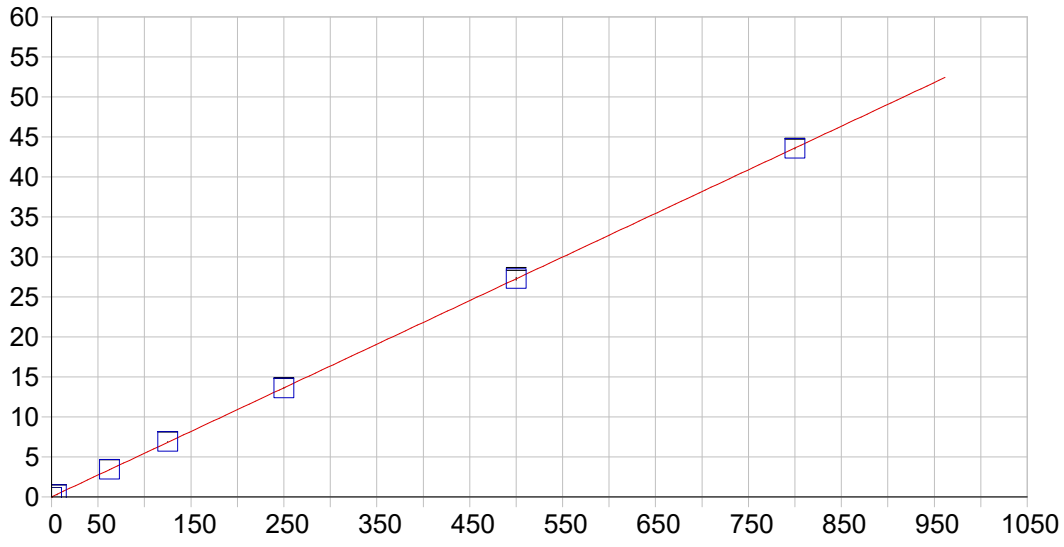
Cd 214.438 {457}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000221	Re-Slope:	1.000000
A1 (Gain):	4.238630	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999977	Status:	OK.
Std Error of Est:	0.000243		
Predicted MDL:	0.000101		
Predicted MQL:	0.000337		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00022	.000	1
S1	.00500	.00480	-.000	-3.91	.02066	.001	1
S2	.62500	.61228	-.013	-2.04	2.5995	.007	1
S3	1.2500	1.2464	-.004	-.286	5.2915	.010	1
S4	2.5000	2.4910	-.009	-.361	10.575	.017	1
S5	5.0000	5.0255	.026	.510	21.334	.030	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



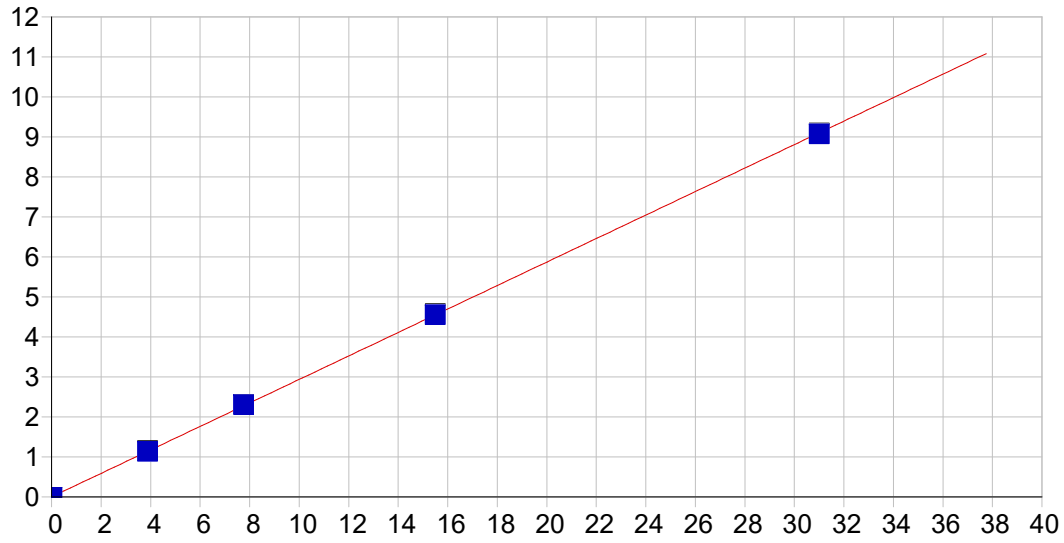
Ca 373.690 { 90}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.006339	Re-Slope:	1.000000
A1 (Gain):	0.054510	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999994	Status:	OK.
Std Error of Est:	0.000668		
Predicted MDL:	0.034609		
Predicted MQL:	0.115364		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00009	-.000	.000	.00633	.003	1
S1	5.0000	5.0307	.031	.614	.28057	.003	1
S2	62.500	62.686	.186	.297	3.4234	.022	1
S3	125.00	126.48	1.48	1.18	6.9008	.018	1
S4	250.00	249.49	-.507	-.203	13.606	.066	1
S5	500.00	500.12	.121	.024	27.268	.171	1
S6	800.00	798.69	-1.31	-.164	43.543	.068	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



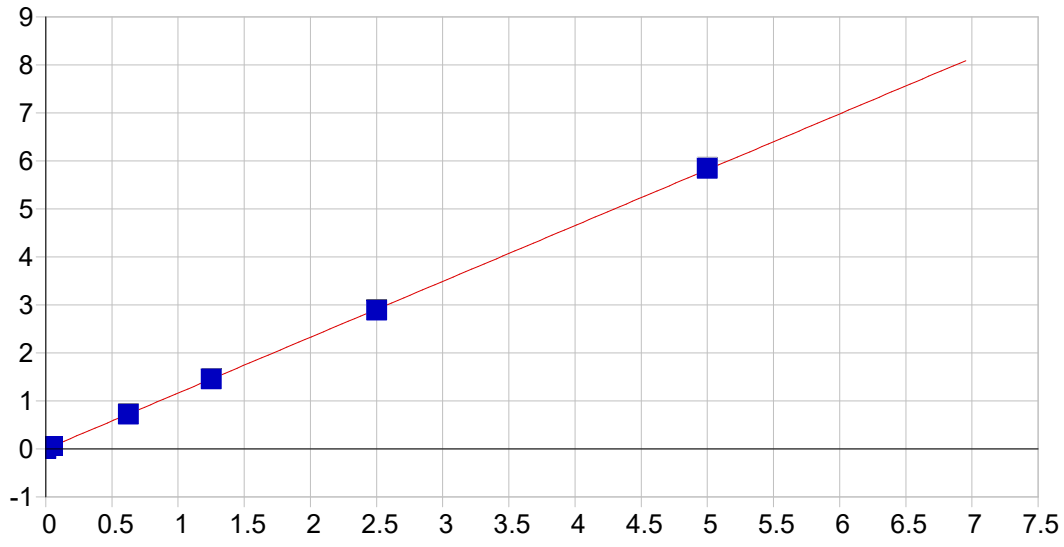
Cr 267.716 {126}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000286	Re-Slope:	1.000000
A1 (Gain):	0.293572	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999989	Status:	OK.
Std Error of Est:	0.000041		
Predicted MDL:	0.000799		
Predicted MQL:	0.002663		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00029	.000	1
S1	.01000	.00959	-.000	-4.13	.00310	.000	1
S2	3.8750	3.8717	-.003	-.085	1.1378	.011	1
S3	7.7500	7.8377	.088	1.13	2.3030	.005	1
S4	15.500	15.513	.013	.087	4.5581	.015	1
S5	31.000	30.903	-.097	-.314	9.0795	.016	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



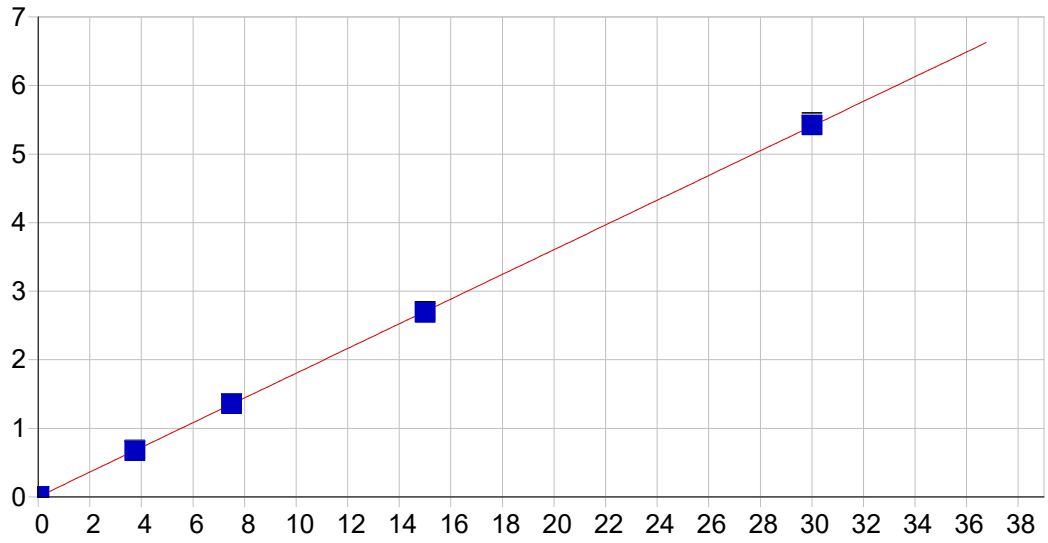
Co 228.616 {448}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000551	Re-Slope:	1.000000
A1 (Gain):	1.163432	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999986	Status:	OK.
Std Error of Est:	0.000162		
Predicted MDL:	0.000398		
Predicted MQL:	0.001328		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00055	.000	1
S1	.05000	.05008	.000	.168	.05791	.000	1
S2	.62500	.62107	-.004	-.629	.72437	.002	1
S3	1.2500	1.2524	.002	.192	1.4612	.003	1
S4	2.5000	2.4810	-.019	-.761	2.8953	.007	1
S5	5.0000	5.0205	.020	.409	5.8592	.007	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



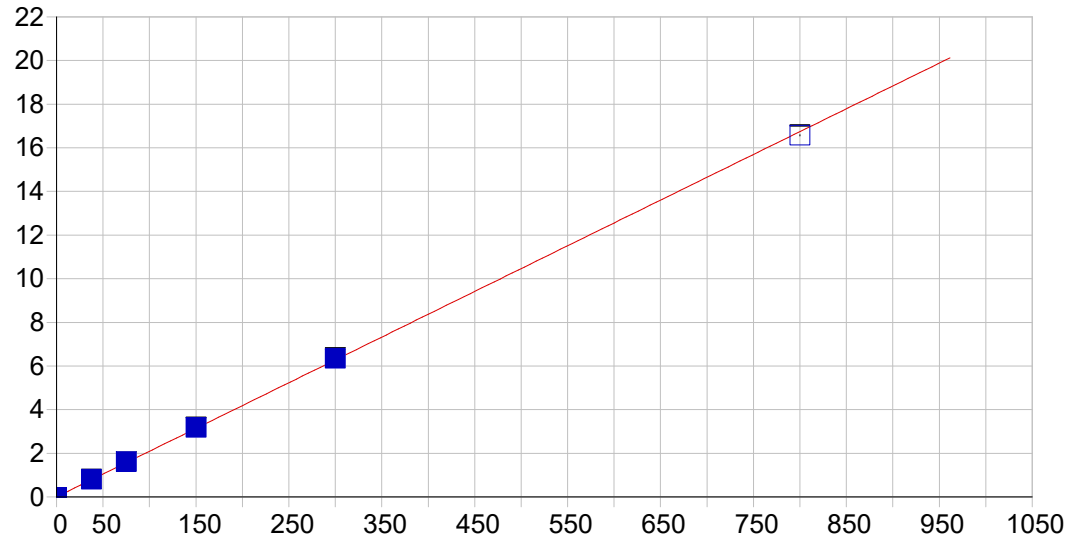
Cu 324.754 {104}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001749	Re-Slope:	1.000000
A1 (Gain):	0.180195	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999988	Status:	OK.
Std Error of Est:	0.000041		
Predicted MDL:	0.007783		
Predicted MQL:	0.025944		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00175	.001	1
S1	.02500	.02292	-.002	-8.30	.00587	.001	1
S2	3.7500	3.7128	-.037	-.991	.67071	.009	1
S3	7.5000	7.5318	.032	.424	1.3588	.004	1
S4	15.000	14.918	-.082	-.545	2.6896	.011	1
S5	30.000	30.089	.089	.297	5.4231	.032	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



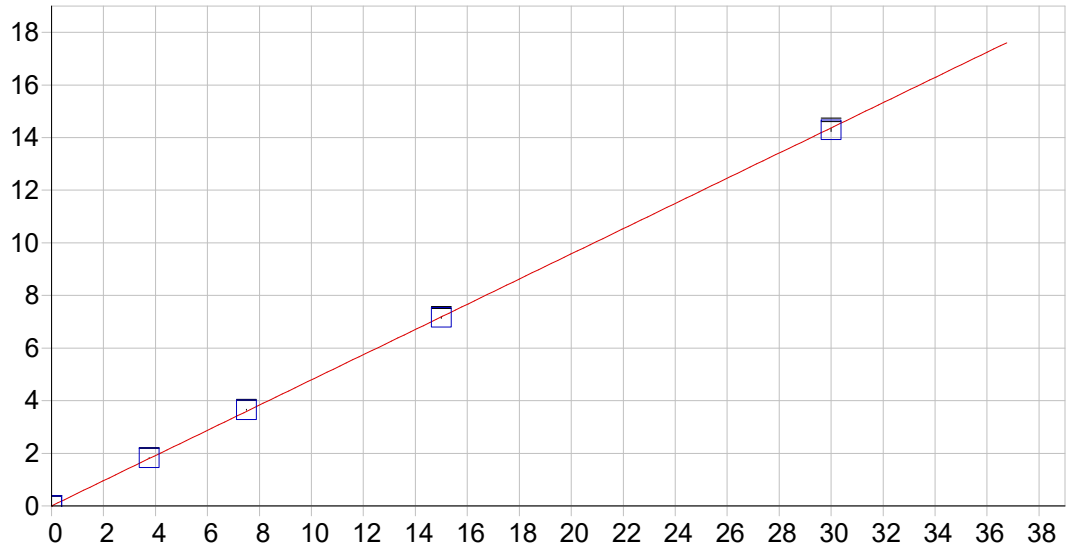
Fe 259.837 {130}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000223	Re-Slope:	1.000000
A1 (Gain):	0.020928	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999919	Status:	OK.
Std Error of Est:	0.000116		
Predicted MDL:	0.033293		
Predicted MQL:	0.110976		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00022	.000	1
S1	.10000	.10151	.002	1.51	.00235	.000	1
S2	37.500	38.570	1.07	2.85	.80762	.005	1
S3	75.000	76.916	1.92	2.55	1.6103	.003	1
S4	150.00	151.94	1.94	1.29	3.1807	.017	1
S5	300.00	303.16	3.16	1.05	6.3463	.038	1
S6	800.00	791.91	-8.09	-1.01	16.574	.026	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



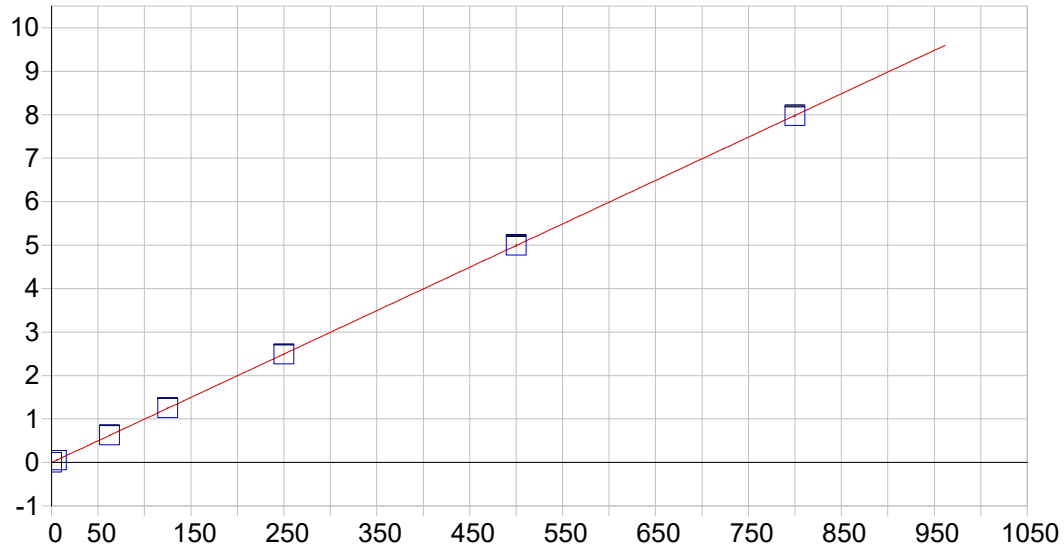
Mn 257.610 {131}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000601	Re-Slope:	1.000000
A1 (Gain):	0.478988	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999963	Status:	OK.
Std Error of Est:	0.000147		
Predicted MDL:	0.001288		
Predicted MQL:	0.004293		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00060	.000	1
S1	.01500	.01597	.001	6.47	.00825	.000	1
S2	3.7500	3.8148	.065	1.73	1.8279	.015	1
S3	7.5000	7.6260	.126	1.68	3.6534	.022	1
S4	15.000	14.960	-.040	-.268	7.1662	.035	1
S5	30.000	29.848	-.152	-.505	14.298	.068	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



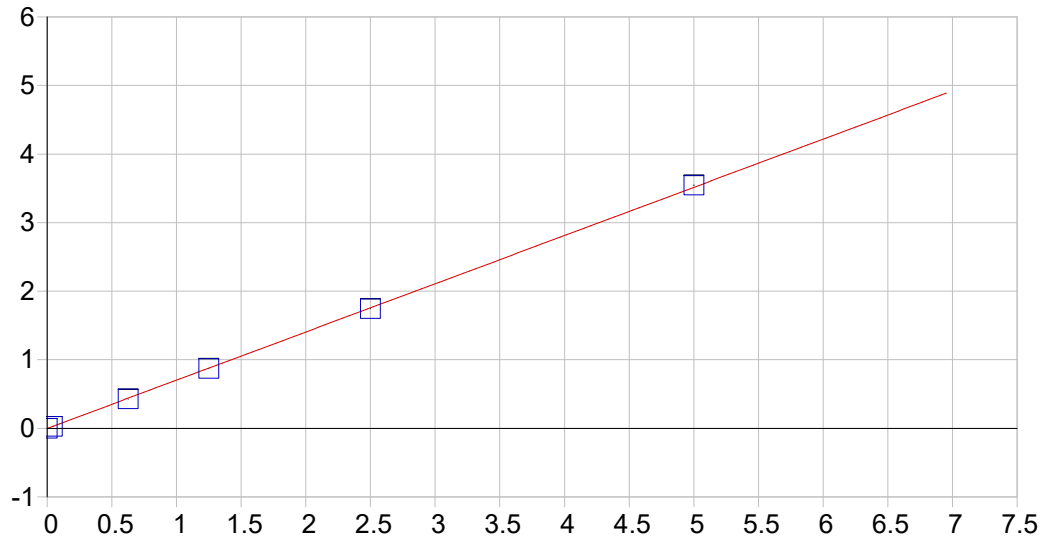
Mg 279.079 {121}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001370	Re-Slope:	1.000000
A1 (Gain):	0.009981	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999994	Status:	OK.
Std Error of Est:	0.000117		
Predicted MDL:	0.089420		
Predicted MQL:	0.298067		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00027	-.000	.000	-.00137	.000	1
S1	5.0000	5.2254	.225	4.51	.05079	.001	1
S2	62.500	62.929	.429	.686	.62675	.004	1
S3	125.00	125.54	.542	.433	1.2517	.008	1
S4	250.00	249.21	-.788	-.315	2.4861	.011	1
S5	500.00	500.52	.519	.104	4.9945	.022	1
S6	800.00	799.07	-.926	-.116	7.9745	.019	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



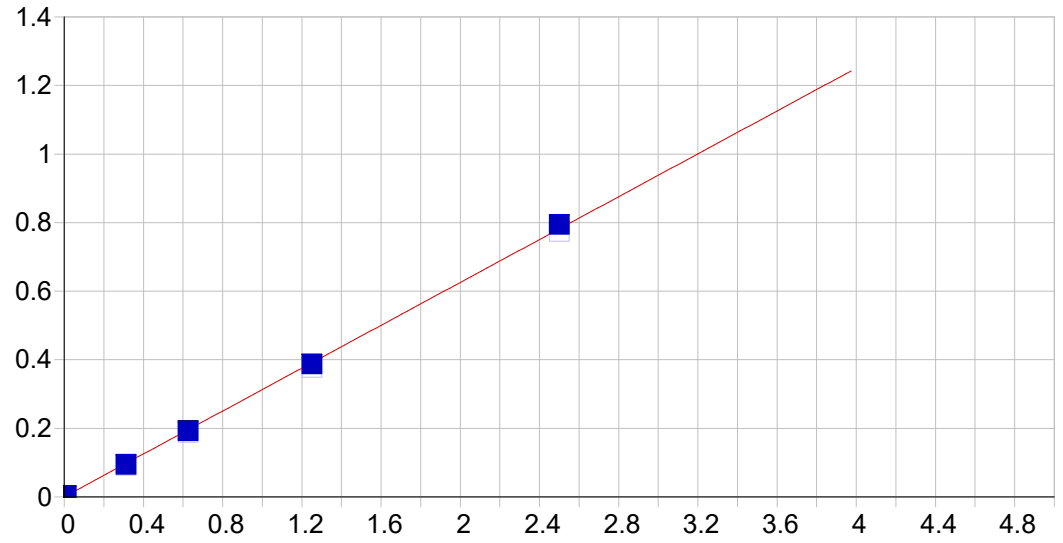
Ni 231.604 {446}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000784	Re-Slope:	1.000000
A1 (Gain):	0.703093	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999939	Status:	OK.
Std Error of Est:	0.000185		
Predicted MDL:	0.000683		
Predicted MQL:	0.002275		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00078	.000	1
S1	.04000	.03808	-.002	-4.81	.02599	.000	1
S2	.62500	.60672	-.018	-2.93	.42579	.000	1
S3	1.2500	1.2427	-.007	-.583	.87295	.001	1
S4	2.5000	2.4840	-.016	-.640	1.7457	.004	1
S5	5.0000	5.0435	.044	.870	3.5453	.005	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



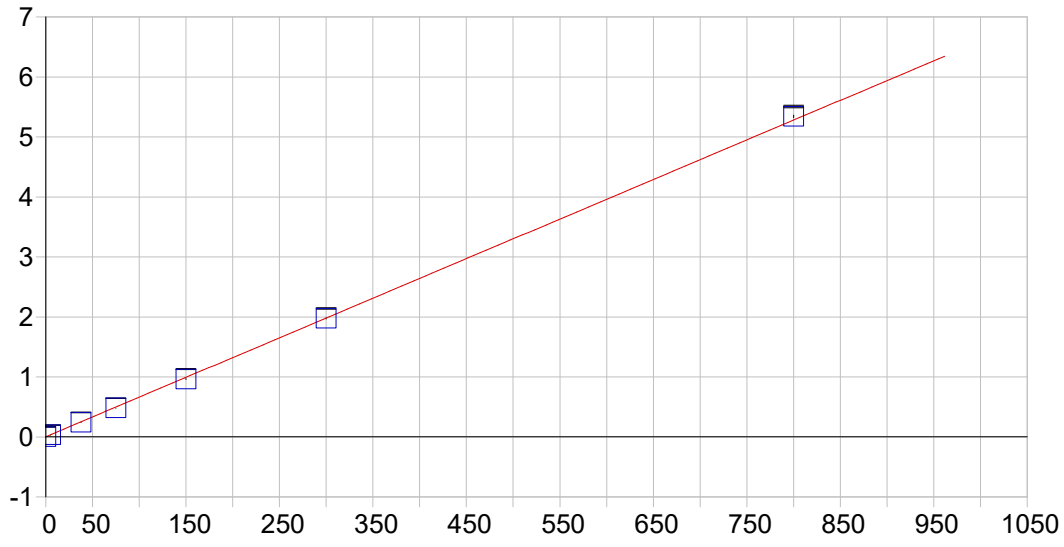
Ag 328.068 {103}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000540	Re-Slope:	1.000000
A1 (Gain):	0.312554	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999824	Status:	OK.
Std Error of Est:	0.000048		
Predicted MDL:	0.001337		
Predicted MQL:	0.004458		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00054	.000	1
S1	.01000	.00945	-.001	-5.50	.00349	.000	1
S2	.31250	.29886	-.014	-4.36	.09137	.001	1
S3	.62500	.61409	-.011	-1.75	.18732	.000	1
S4	1.2500	1.2363	-.014	-1.09	.37665	.001	1
S5	2.5000	2.5388	.039	1.55	.77341	.000	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



Na 818.326 { 41}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002880	Re-Slope:	1.000000
A1 (Gain):	0.006596	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999852	Status:	OK.
Std Error of Est:	0.000351		
Predicted MDL:	0.733718		
Predicted MQL:	2.445728		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00091	.001	.000	.00289	.006	1
S1	5.0000	4.5293	-.471	-9.41	.03275	.003	1
S2	37.500	36.076	-1.42	-3.80	.24083	.006	1
S3	75.000	72.708	-2.29	-3.06	.48243	.003	1
S4	150.00	145.80	-4.20	-2.80	.96451	.010	1
S5	300.00	298.85	-1.15	-.385	1.9739	.011	1
S6	800.00	809.54	9.54	1.19	5.3423	.020	1

Reviewed By:Jaswal
On:12/23/2024
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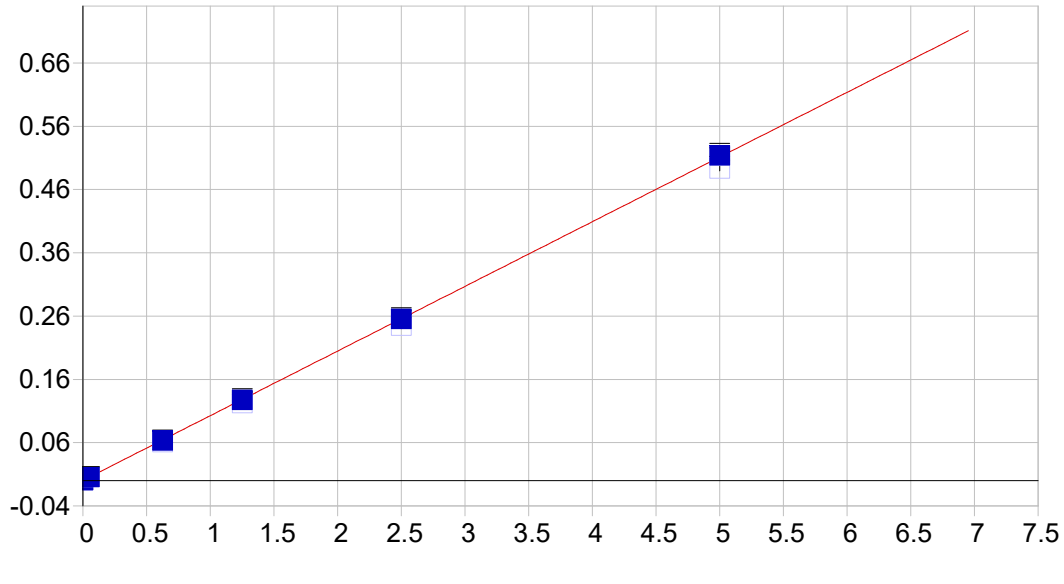

V 292.402 {115}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000332	Re-Slope:	1.000000
A1 (Gain):	0.102217	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999978	Status:	OK.
Std Error of Est:	0.000017		
Predicted MDL:	0.008579		
Predicted MQL:	0.028596		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00033	.001	1
S1	.05000	.05215	.002	4.31	.00565	.001	1
S2	.62500	.61648	-.009	-1.36	.06079	.001	1
S3	1.2500	1.2414	-.009	-.691	.12210	.002	1
S4	2.5000	2.4927	-.007	-.291	.24489	.002	1
S5	5.0000	5.0222	.022	.444	.49320	.004	1

Reviewed By:Jaswal
On:12/23/2024
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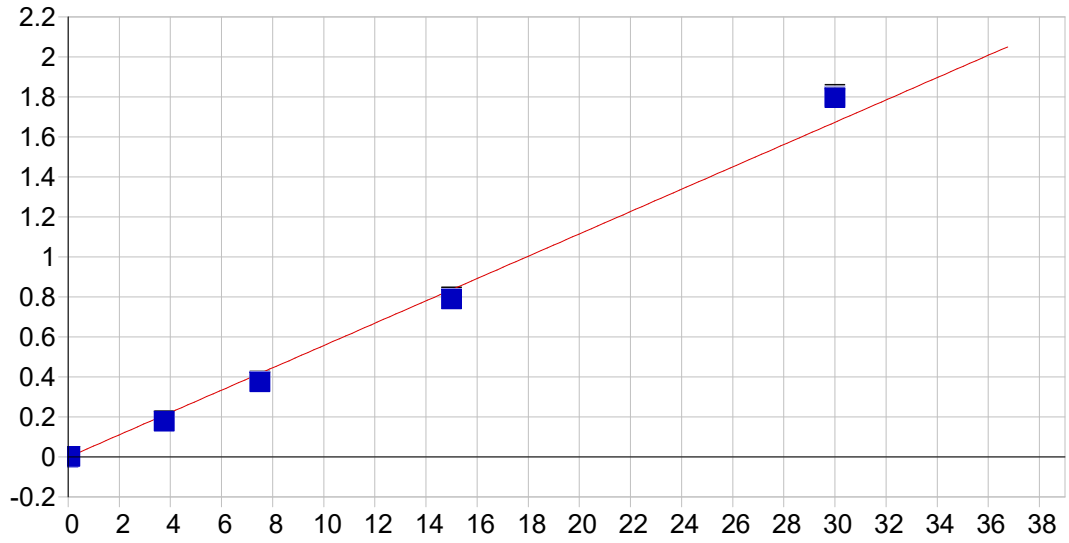
Inst Id :P5



Zn 213.856 {158}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001141	Re-Slope:	1.000000
A1 (Gain):	0.055813	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.996801	Status:	OK.
Std Error of Est:	0.000320		
Predicted MDL:	0.009056		
Predicted MQL:	0.030186		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00003	.000	.000	-.00114	.001	1
S1	.06000	.04451	-.015	-25.8	.00135	.000	1
S2	3.7500	3.2116	-.538	-14.4	.17913	.002	1
S3	7.5000	6.7371	-.763	-10.2	.37692	.003	1
S4	15.000	14.142	-.858	-5.72	.79229	.008	1
S5	30.000	32.174	2.17	7.25	1.8028	.009	1

Reviewed By:Jaswal
On:12/23/2024
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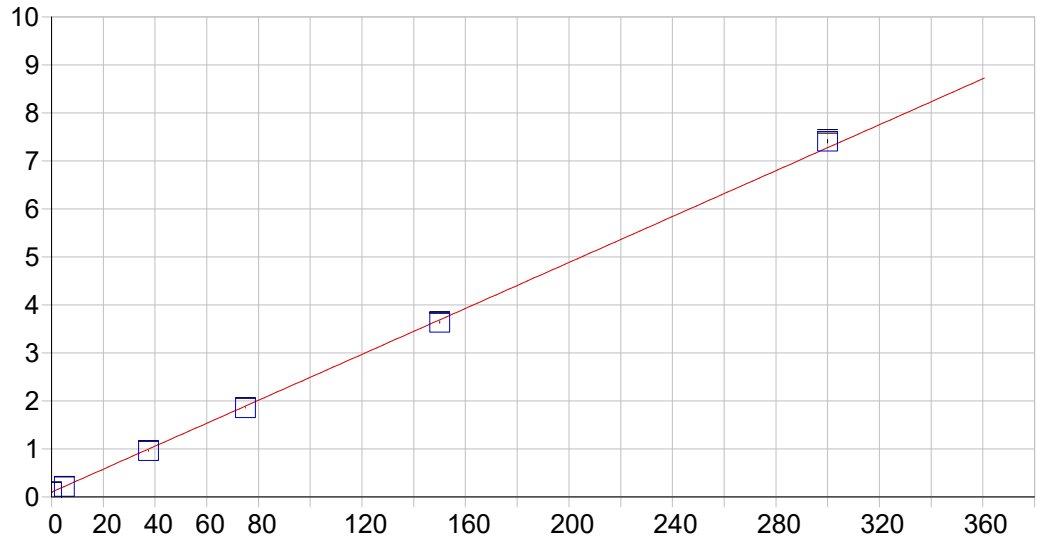


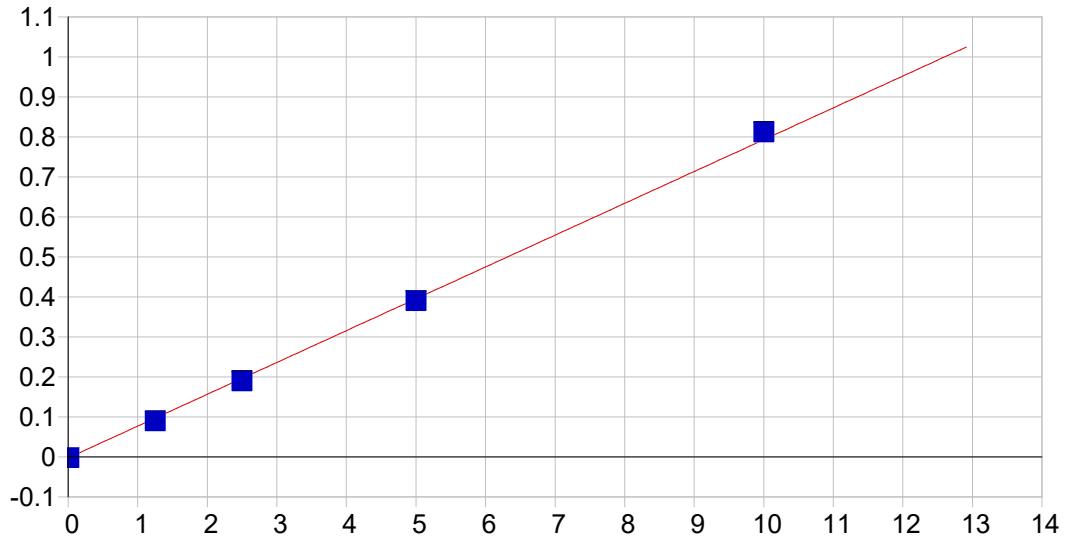
K 769.896 { 44}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.100005	Re-Slope:	1.000000
A1 (Gain):	0.023917	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999791	Status:	OK.
Std Error of Est:	0.001008		
Predicted MDL:	0.153613		
Predicted MQL:	0.512043		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00048	.000	.000	.10002	.004	1
S1	5.0000	4.8074	-.193	-3.85	.21499	.004	1
S2	37.500	35.960	-1.54	-4.11	.96007	.006	1
S3	75.000	73.446	-1.55	-2.07	1.8566	.005	1
S4	150.00	147.77	-2.23	-1.48	3.6344	.017	1
S5	300.00	305.51	5.51	1.84	7.4070	.037	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



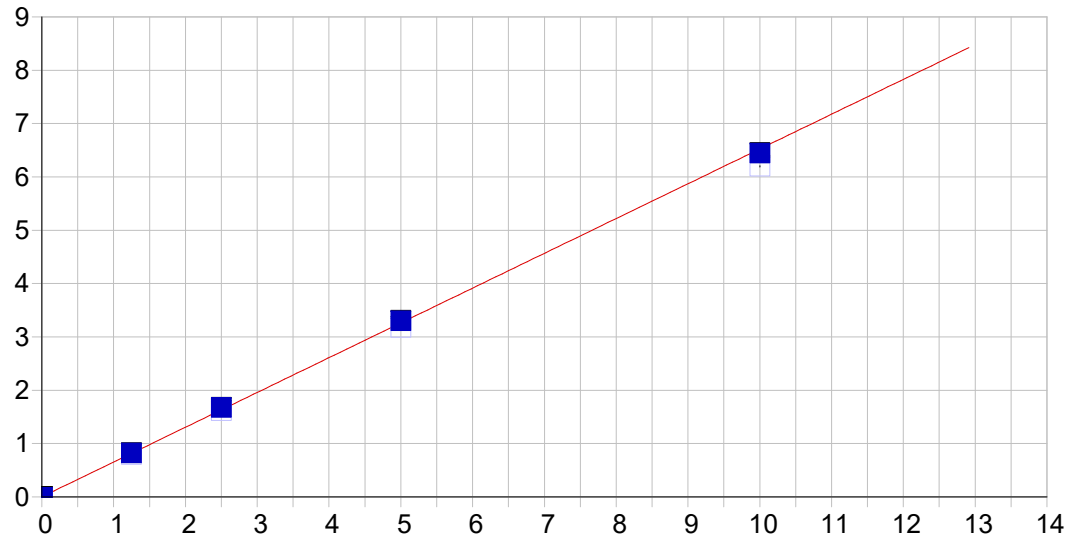
P 177.495 {490}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002541	Re-Slope:	1.000000
A1 (Gain):	0.079556	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999531	Status:	OK.
Std Error of Est:	0.000041		
Predicted MDL:	0.002487		
Predicted MQL:	0.008290		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00254	.000	1
S1	.01000	.00668	-.003	-33.2	-.00201	.000	1
S2	1.2500	1.1579	-.092	-7.37	.08943	.000	1
S3	2.5000	2.4135	-.087	-3.46	.18917	.001	1
S4	5.0000	4.9389	-.061	-1.22	.38980	.001	1
S5	10.000	10.243	.243	2.43	.81120	.001	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



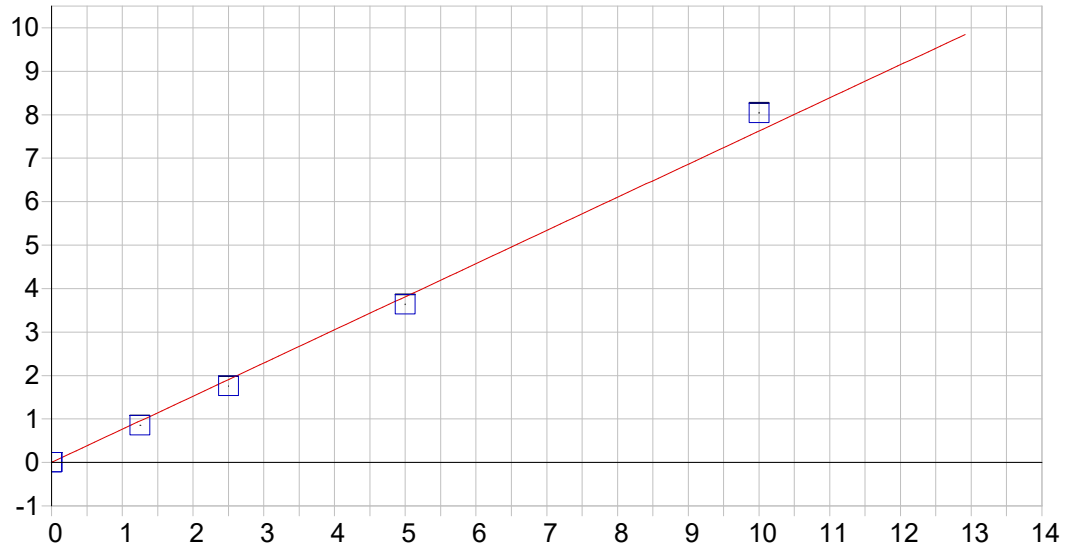
B 249.678 {135}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001529	Re-Slope:	1.000000
A1 (Gain):	0.652227	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999676	Status:	OK.
Std Error of Est:	0.000268		
Predicted MDL:	0.002480		
Predicted MQL:	0.008268		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00153	.001	1
S1	.01000	.00137	-.009	-86.3	.00239	.001	1
S2	1.2500	1.2592	.009	.733	.79178	.005	1
S3	2.5000	2.5639	.064	2.56	1.6118	.006	1
S4	5.0000	5.0565	.056	1.13	3.1755	.014	1
S5	10.000	9.8794	-.121	-1.21	6.1971	.014	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

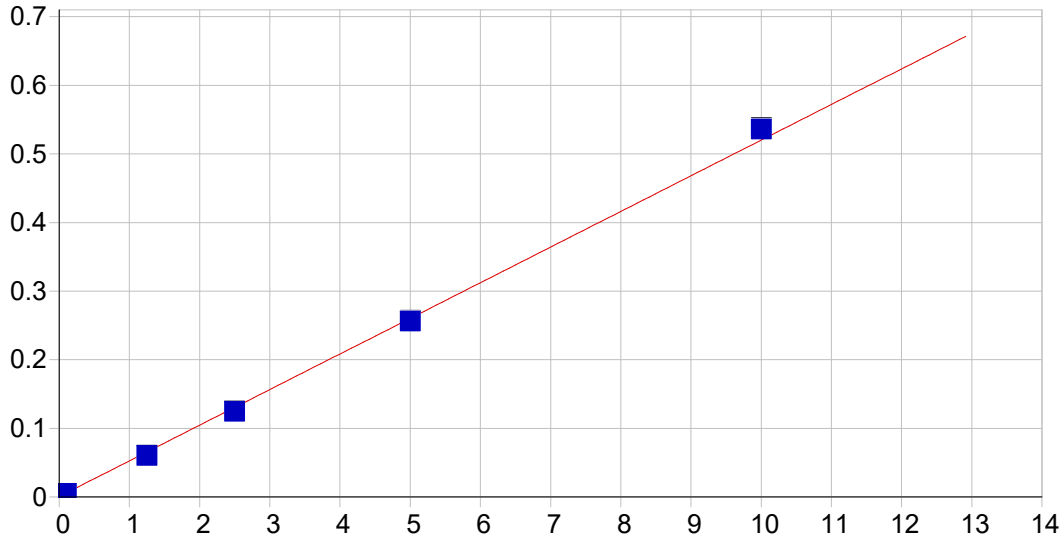


Mo 202.030 {467}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000218	Re-Slope:	1.000000
A1 (Gain):	0.762505	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998177	Status:	OK.
Std Error of Est:	0.000773		
Predicted MDL:	0.000493		
Predicted MQL:	0.001643		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00022	.000	1
S1	.01000	.00879	-.001	-12.1	.00692	.000	1
S2	1.2500	1.1220	-.128	-10.2	.85573	.001	1
S3	2.5000	2.3062	-.194	-7.75	1.7587	.004	1
S4	5.0000	4.7743	-.226	-4.51	3.6407	.008	1
S5	10.000	10.549	.549	5.49	8.0437	.011	1



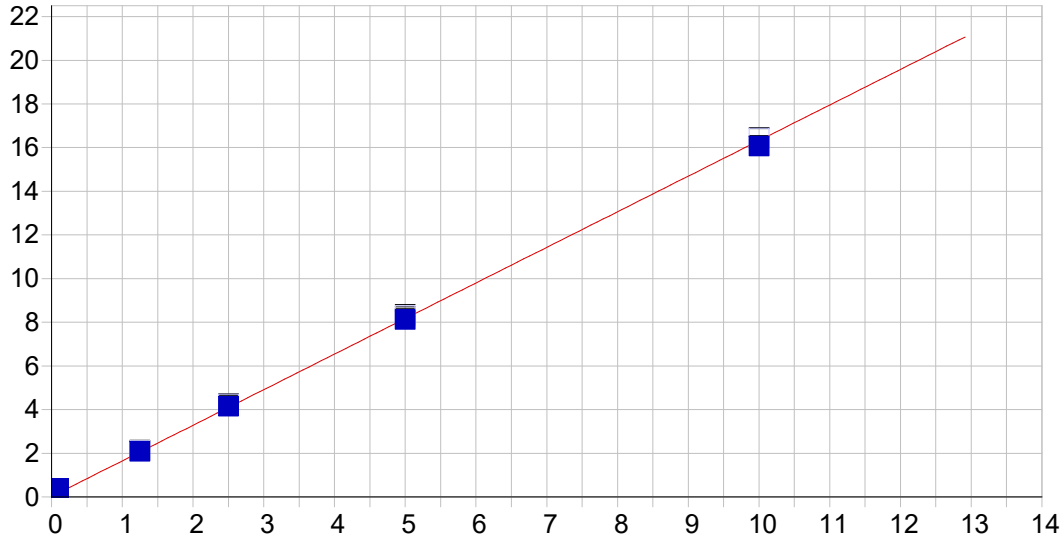
S 182.034 {485}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000602	Re-Slope:	1.000000
A1 (Gain):	0.051945	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999332	Status:	OK.
Std Error of Est:	0.000101		
Predicted MDL:	0.004446		
Predicted MQL:	0.014819		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00060	.000	1
S1	.10000	.08812	-.012	-11.9	.00518	.000	1
S2	1.2500	1.1478	-.102	-8.17	.06043	.000	1
S3	2.5000	2.3885	-.111	-4.46	.12509	.000	1
S4	5.0000	4.9197	-.080	-1.61	.25699	.001	1
S5	10.000	10.306	.306	3.06	.53761	.001	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



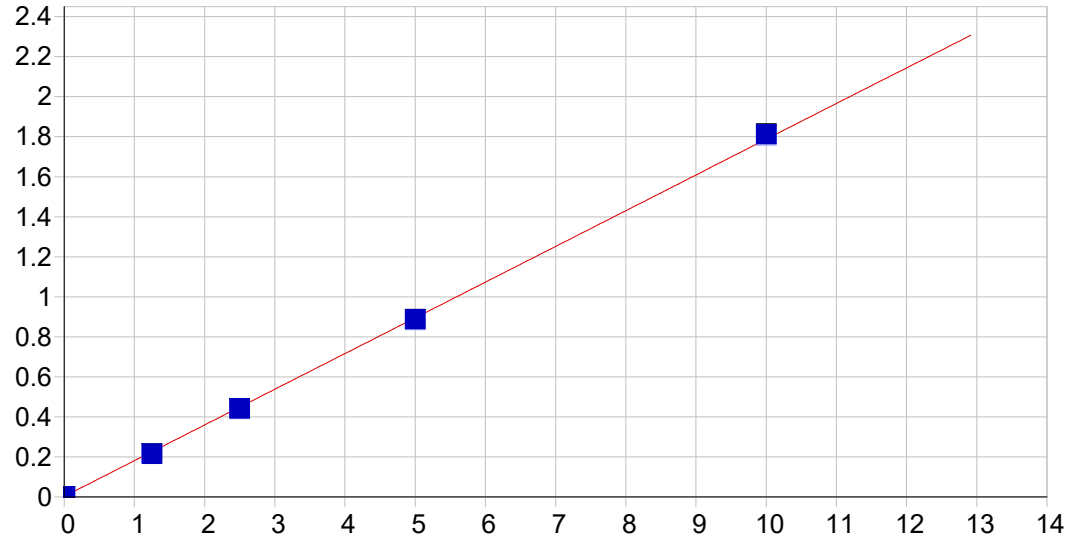
Si 251.611 {134}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.021460	Re-Slope:	1.000000
A1 (Gain):	1.630014	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.995022	Status:	OK.
Std Error of Est:	0.008872		
Predicted MDL:	0.000903		
Predicted MQL:	0.003010		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00014	-.000	.000	.02123	.002	1
S1	.10000	.23934	.139	139.	.41390	.001	1
S2	1.2500	1.2661	.016	1.28	2.1314	.012	1
S3	2.5000	2.5356	.036	1.42	4.2469	.018	1
S4	5.0000	4.9661	-.034	-.678	8.3013	.054	1
S5	10.000	9.8441	-.156	-1.56	16.438	.020	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



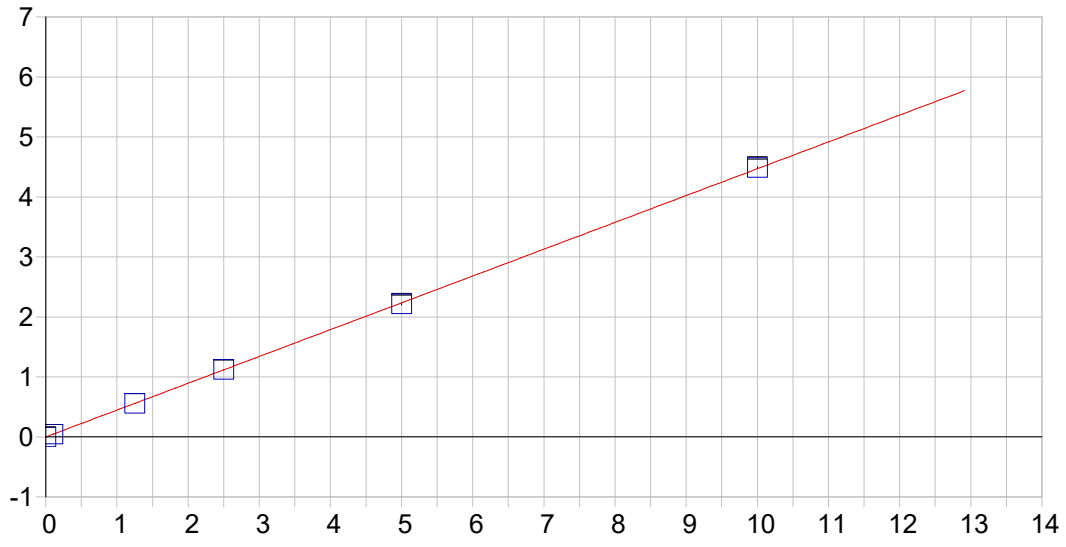
Sn 189.989 {478}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002522	Re-Slope:	1.000000
A1 (Gain):	0.178477	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999844	Status:	OK.
Std Error of Est:	0.000044		
Predicted MDL:	0.001266		
Predicted MQL:	0.004218		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00252	.000	1
S1	.00700	.00814	.001	16.3	.00392	.000	1
S2	1.2500	1.1939	-.056	-4.49	.21448	.000	1
S3	2.5000	2.4567	-.043	-1.73	.43875	.001	1
S4	5.0000	4.9580	-.042	-.840	.88294	.001	1
S5	10.000	10.140	.140	1.40	1.8034	.003	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



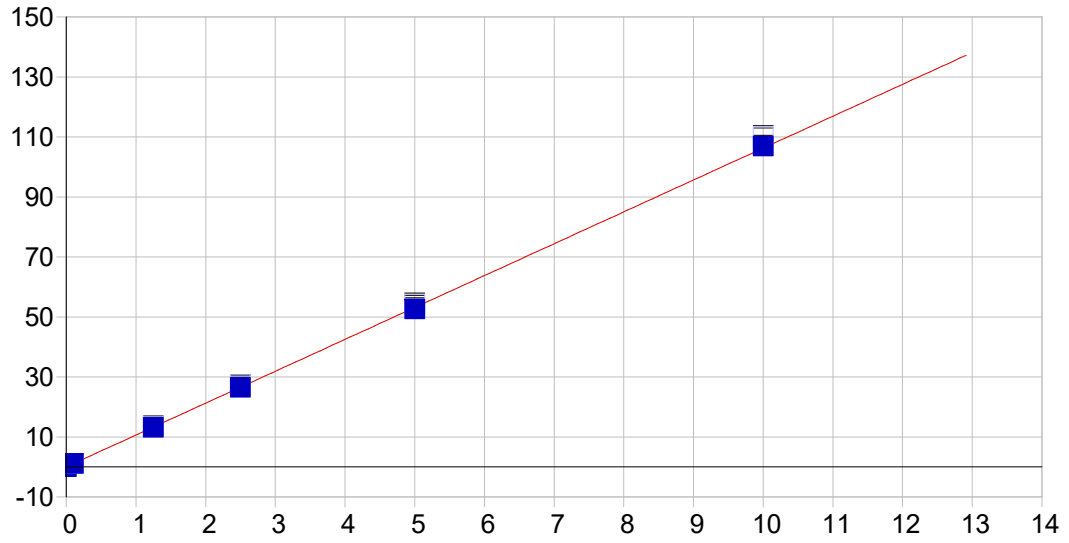
Ti 336.121 {100}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000175	Re-Slope:	1.000000
A1 (Gain):	0.446975	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999982	Status:	OK.
Std Error of Est:	0.000143		
Predicted MDL:	0.003082		
Predicted MQL:	0.010274		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00018	.000	1
S1	.10000	.10385	.004	3.85	.04624	.001	1
S2	1.2500	1.2455	-.005	-.364	.55651	.001	1
S3	2.5000	2.5077	.008	.306	1.1207	.004	1
S4	5.0000	4.9570	-.043	-.859	2.2155	.013	1
S5	10.000	10.036	.036	.360	4.4857	.019	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



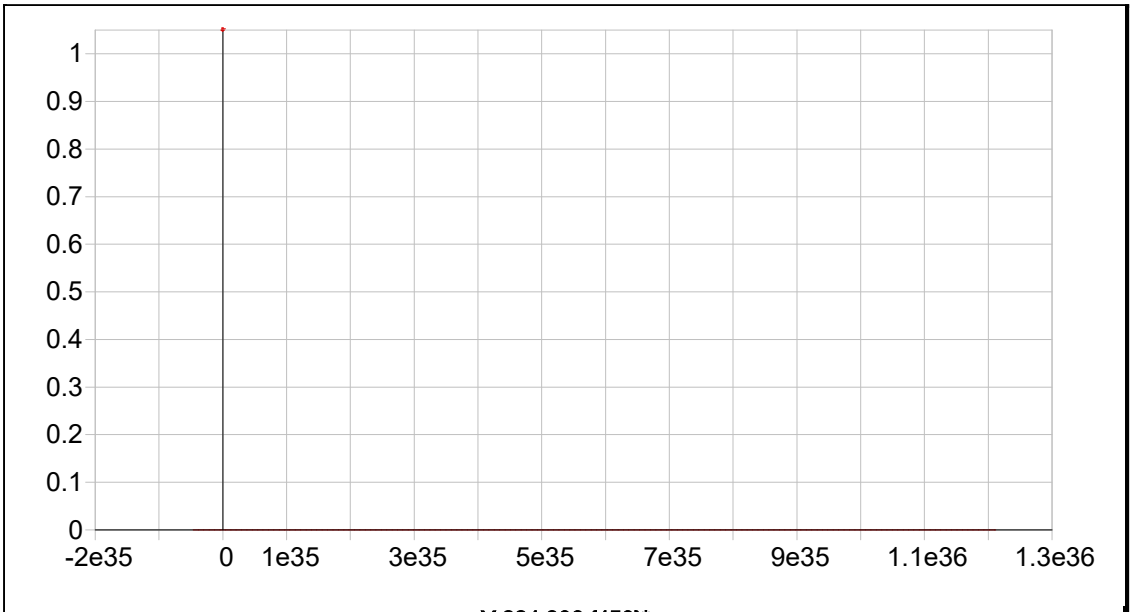
Sr 407.771 { 83}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002467	Re-Slope:	1.000000
A1 (Gain):	10.626997	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999975	Status:	OK.
Std Error of Est:	0.004095		
Predicted MDL:	0.000208		
Predicted MQL:	0.000695		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00250	.001	1
S1	.10000	.10445	.004	4.45	1.1086	.004	1
S2	1.2500	1.2407	-.009	-.746	13.581	.072	1
S3	2.5000	2.4931	-.007	-.276	27.289	.095	1
S4	5.0000	4.9558	-.044	-.883	54.257	.344	1
S5	10.000	10.056	.056	.561	110.05	.402	1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

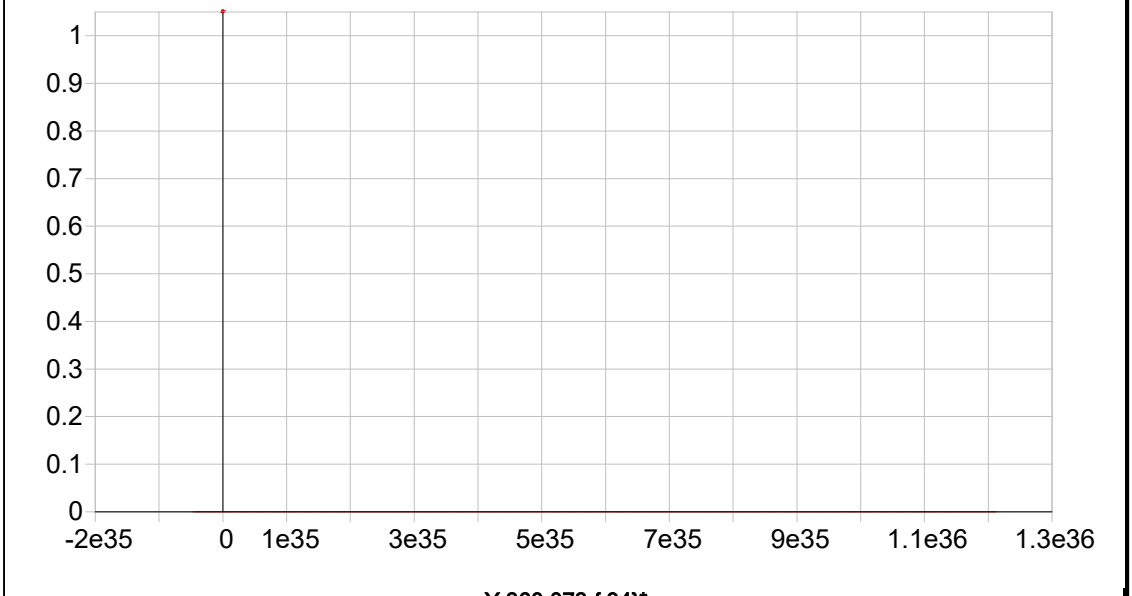


Y 224.306 {450}*

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		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

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

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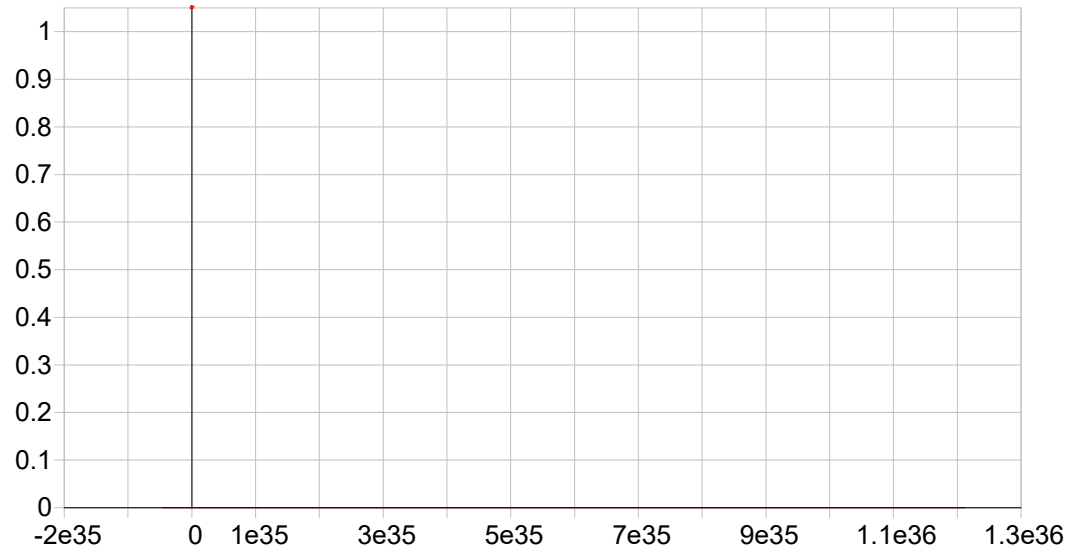
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000	Status:	Warning	Zero Gain	
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

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



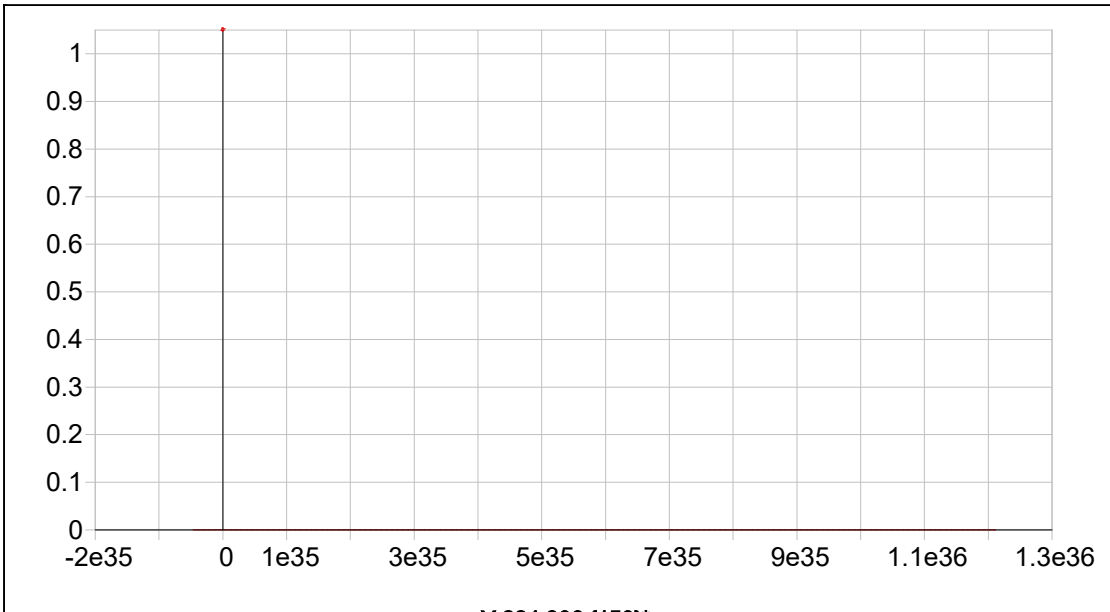
Y 371.030 { 91}*

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

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

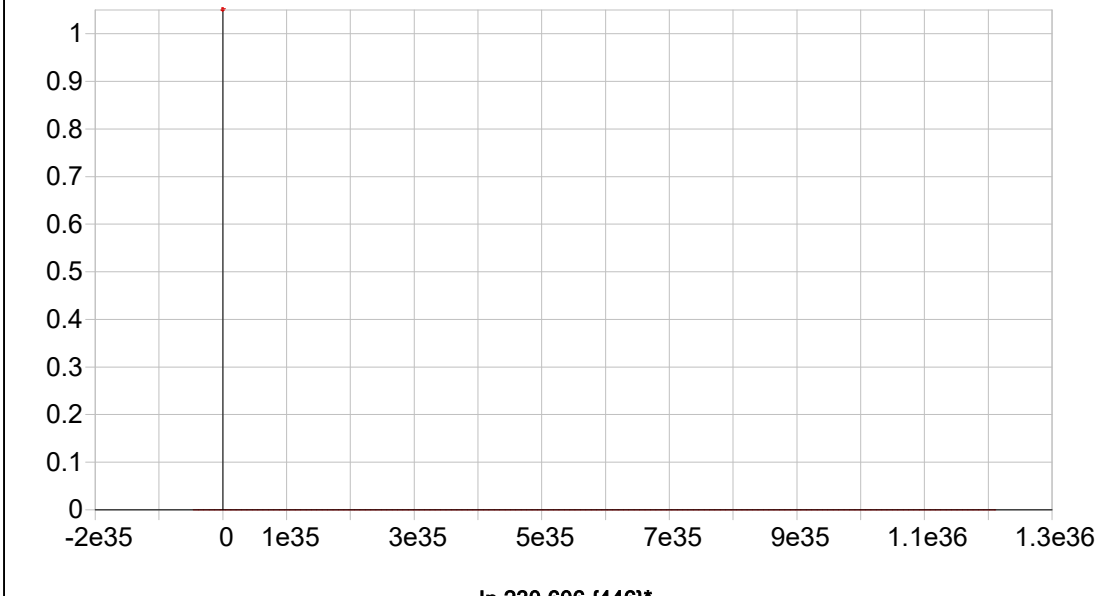
Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5



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				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

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



In 230.606 {446}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	

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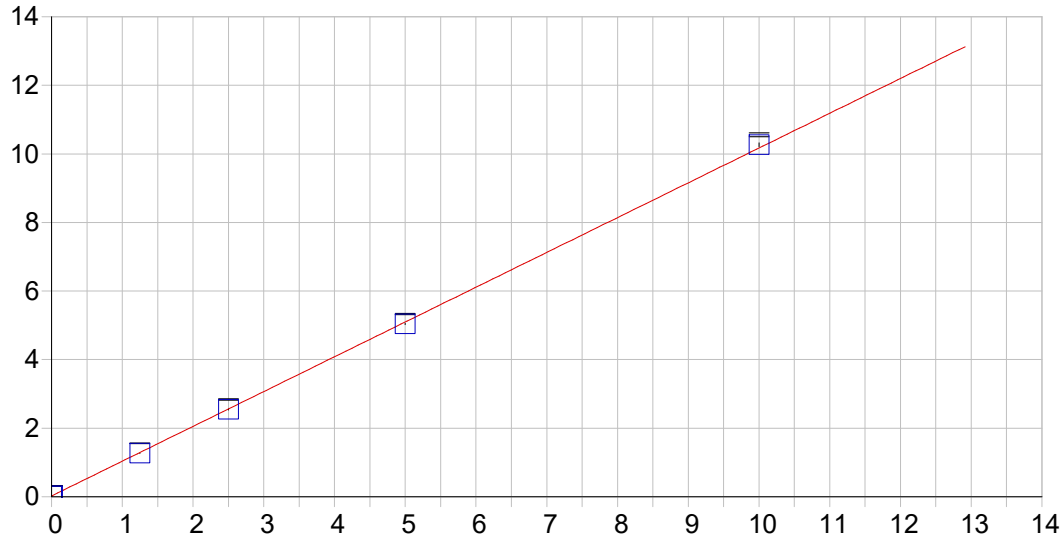
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000	Status:	Warning	Zero Gain	
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

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



Li 670.784 { 50}

Date of Fit:	12/20/2024 17:45:49	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.023247	Re-Slope:	1.000000
A1 (Gain):	1.014736	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999876	Status:	OK.
Std Error of Est:	0.000328		
Predicted MDL:	0.004135		
Predicted MQL:	0.013783		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.02325	.005	1
S5	10.000	10.096	.096	.963	10.268	.058	1
S4	5.0000	4.9438	-.056	-1.12	5.0399	.018	1
S3	2.5000	2.4856	-.014	-.576	2.5455	.020	1
S2	1.2500	1.2306	-.019	-1.55	1.2720	.008	1
S1	.01500	.00864	-.006	-42.4	.03201	.002	1

Reviewed By:Jaswal
On:12/23/2024
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Inst Id :P5

Sample Name: S0 Acquired: 12/20/2024 17:18:43 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S0 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	-.13961	-.00022	.00016	-.00021	.00083	-.00244	.04287	-.00019
Stddev	.23435	.00037	.00016	.00029	.00043	.00180	.00446	.00053
%RSD	167.86	166.41	101.84	139.13	51.742	73.557	10.411	287.40
#1	-.35829	-.00061	.00003	-.00031	.00044	-.00447	.04801	-.00001
#2	-.16831	.00012	.00010	-.00042	.00129	-.00103	.03991	-.00079
#3	.10776	-.00017	.00034	.00012	.00075	-.00183	.04070	.00024

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	.00022	.00633	.00029	-.00055	.00175	.00022	.00060	-.00137
Stddev	.00004	.00317	.00007	.00020	.00118	.00022	.00032	.00034
%RSD	19.178	50.008	24.224	35.944	67.250	98.826	53.065	24.561
#1	.00019	.00311	.00036	-.00076	.00277	.00045	.00073	-.00099
#2	.00027	.00646	.00027	-.00053	.00046	.00021	.00024	-.00163
#3	.00020	.00944	.00022	-.00036	.00201	.00001	.00083	-.00150

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	-.00078	.00054	.00289	.00033	-.00114	.10002	-.00254	.00153
Stddev	.00023	.00014	.00559	.00096	.00059	.00350	.00013	.00096
%RSD	28.866	26.459	193.53	289.96	51.637	3.5035	5.1039	62.802
#1	-.00063	.00043	.00821	.00144	-.00175	.10406	-.00245	.00222
#2	-.00104	.00050	-.00293	-.00020	-.00109	.09813	-.00269	.00043
#3	-.00068	.00070	.00338	-.00025	-.00058	.09786	-.00248	.00195

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00022	.00060	.02123	.00252	-.00018	-.00250	.02325
Stddev	.00022	.00011	.00177	.00026	.00044	.00123	.00546
%RSD	101.62	17.782	8.3137	10.340	248.99	49.196	23.494
#1	.00042	.00048	.02251	.00231	-.00068	-.00190	.02038
#2	.00026	.00066	.01922	.00281	.00014	-.00169	.02955
#3	-.00002	.00067	.02196	.00245	.00001	-.00391	.01982

Reviewed By:Jaswal
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Sample Name: S0 Acquired: 12/20/2024 17:18:43 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S0 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1829.7	22569.	2287.6	1561.3	2139.9
Stddev	1.0	60.	13.9	2.6	1.1
%RSD	.05704	.26598	.60611	.16540	.05112
#1	1828.8	22550.	2272.7	1558.5	2139.7
#2	1830.8	22521.	2289.9	1561.9	2138.9
#3	1829.6	22637.	2300.2	1563.5	2141.1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: S1 Acquired: 12/20/2024 17:22:50 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S01 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	1.4180	.00184	.00212	.00263	.01001	.02018	.94095	.04954
Stddev	.0374	.00035	.00081	.00036	.00040	.00276	.00974	.00067
%RSD	2.6341	18.970	38.241	13.741	3.9742	13.692	1.0352	1.3567
#1	1.3931	.00150	.00305	.00269	.00983	.01900	.93841	.04893
#2	1.3998	.00182	.00175	.00296	.01047	.01820	.95171	.05026
#3	1.4609	.00219	.00156	.00224	.00974	.02334	.93273	.04944

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	.02066	.28057	.00310	.05791	.00587	.00235	.00825	.05079
Stddev	.00060	.00259	.00005	.00013	.00117	.00032	.00037	.00097
%RSD	2.8936	.92174	1.7427	.23237	19.911	13.570	4.4688	1.9158
#1	.01998	.27990	.00316	.05790	.00615	.00237	.00809	.04967
#2	.02096	.28342	.00308	.05804	.00459	.00202	.00799	.05145
#3	.02106	.27838	.00306	.05777	.00688	.00265	.00867	.05124

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	.02599	.00349	.03275	.00565	.00135	.21499	-.00201	.00239
Stddev	.00005	.00028	.00289	.00060	.00031	.00404	.00021	.00146
%RSD	.17702	8.1617	8.8133	10.695	22.721	1.8802	10.620	61.168
#1	.02604	.00364	.03585	.00500	.00129	.21141	-.00179	.00276
#2	.02595	.00316	.03014	.00620	.00169	.21937	-.00202	.00362
#3	.02597	.00366	.03227	.00575	.00109	.21417	-.00221	.00078

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00692	.00518	.41390	.00392	.04624	1.1086	.03201
Stddev	.00008	.00008	.00124	.00014	.00119	.0042	.00232
%RSD	1.2223	1.5496	.29950	3.5541	2.5822	.37780	7.2406
#1	.00700	.00525	.41342	.00394	.04520	1.1051	.02934
#2	.00692	.00519	.41296	.00378	.04598	1.1132	.03342
#3	.00683	.00509	.41530	.00405	.04755	1.1074	.03327

Reviewed By:Jaswal
On:12/23/2024
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Inst Id :P5

Sample Name: S1 Acquired: 12/20/2024 17:22:50 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S01 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1825.4	22472.	2266.7	1551.0	2140.7
Stddev	2.3	125.	10.3	7.7	3.2
%RSD	.12851	.55583	.45298	.49536	.14731
#1	1823.3	22448.	2274.5	1543.5	2140.2
#2	1827.9	22360.	2255.1	1550.7	2144.0
#3	1824.9	22607.	2270.6	1558.9	2137.8

Reviewed By:Jaswal
On:12/23/2024
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Inst Id :P5

Sample Name: S2 Acquired: 12/20/2024 17:26:55 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S02 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	177.78	.10553	1.6019	.10969	.21473	4.5303	11.027	1.2089
Stddev	.44	.00056	.0037	.00033	.00038	.0302	.075	.0087
%RSD	.24780	.53413	.23273	.30535	.17639	.66769	.68136	.72328
#1	178.22	.10489	1.5985	.10985	.21490	4.5025	10.972	1.2017
#2	177.34	.10574	1.6013	.10931	.21430	4.5625	11.113	1.2186
#3	177.78	.10597	1.6059	.10991	.21499	4.5258	10.996	1.2064

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	2.5995	3.4234	1.1378	.72437	.67071	.80762	1.8279	.62675
Stddev	.0065	.0224	.0110	.00163	.00864	.00520	.0146	.00422
%RSD	.25066	.65328	.96908	.22457	1.2885	.64377	.79733	.67321
#1	2.5943	3.4062	1.1426	.72257	.66154	.80296	1.8149	.62506
#2	2.5974	3.4487	1.1456	.72480	.67870	.81322	1.8436	.63156
#3	2.6068	3.4152	1.1252	.72573	.67190	.80667	1.8251	.62365

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	.42579	.09137	.24083	.06079	.17913	.96007	.08943	.79178
Stddev	.00027	.00106	.00559	.00100	.00220	.00577	.00008	.00477
%RSD	.06288	1.1567	2.3213	1.6382	1.2276	.60129	.09137	.60230
#1	.42549	.09156	.23543	.06032	.18055	.95416	.08934	.78664
#2	.42590	.09232	.24045	.06193	.18026	.96570	.08944	.79605
#3	.42599	.09023	.24659	.06011	.17660	.96034	.08950	.79266

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.85573	.06043	2.1314	.21448	.55651	13.581	1.2720
Stddev	.00146	.00019	.0116	.00029	.00095	.072	.0085
%RSD	.17117	.31035	.54451	.13664	.17000	.53162	.66576
#1	.85613	.06026	2.1217	.21447	.55610	13.534	1.2659
#2	.85410	.06041	2.1442	.21419	.55759	13.664	1.2817
#3	.85694	.06063	2.1283	.21478	.55584	13.544	1.2686

Reviewed By:Jaswal
On:12/23/2024
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Inst Id :P5

Sample Name: S2 Acquired: 12/20/2024 17:26:55 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S02 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1758.8	22142.	2294.7	1501.9	1995.2
Stddev	2.8	273.	14.9	16.7	.8
%RSD	.16050	1.2343	.64751	1.1103	.03769
#1	1755.6	21988.	2299.2	1492.4	1996.1
#2	1759.6	21981.	2278.1	1492.2	1994.9
#3	1761.0	22458.	2306.8	1521.2	1994.7

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: S3 Acquired: 12/20/2024 17:30:46 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S03 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	358.16	.21343	3.2648	.22510	.44042	9.1394	22.152	2.4283
Stddev	1.53	.00078	.0043	.00033	.00151	.0440	.118	.0126
%RSD	.42796	.36721	.13057	.14479	.34348	.48188	.53438	.51793
#1	357.60	.21317	3.2667	.22546	.43989	9.0894	22.019	2.4241
#2	356.99	.21431	3.2599	.22502	.43925	9.1724	22.245	2.4424
#3	359.90	.21281	3.2677	.22483	.44213	9.1565	22.192	2.4183

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	5.2915	6.9008	2.3030	1.4612	1.3588	1.6103	3.6534	1.2517
Stddev	.0101	.0176	.0054	.0026	.0042	.0025	.0219	.0080
%RSD	.19110	.25520	.23618	.17473	.30513	.15666	.59909	.63844
#1	5.2920	6.8806	2.3092	1.4614	1.3544	1.6074	3.6292	1.2444
#2	5.2811	6.9093	2.3001	1.4586	1.3593	1.6121	3.6717	1.2603
#3	5.3014	6.9125	2.2996	1.4637	1.3627	1.6114	3.6592	1.2505

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	.87295	.18732	.48243	.12210	.37692	1.8566	.18917	1.6118
Stddev	.00100	.00048	.00276	.00197	.00286	.0049	.00085	.0059
%RSD	.11450	.25730	.57125	1.6111	.75764	.26515	.45023	.36654
#1	.87383	.18782	.48373	.12064	.37395	1.8510	.18827	1.6131
#2	.87187	.18730	.48430	.12434	.37719	1.8599	.18929	1.6169
#3	.87316	.18685	.47927	.12133	.37964	1.8591	.18996	1.6053

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.7587	.12509	4.2469	.43875	1.1207	27.289	2.5455
Stddev	.0043	.00009	.0181	.00083	.0043	.095	.0203
%RSD	.24230	.07293	.42726	.19011	.38632	.34698	.79894
#1	1.7601	.12499	4.2473	.43844	1.1166	27.195	2.5224
#2	1.7539	.12517	4.2649	.43812	1.1252	27.384	2.5609
#3	1.7621	.12512	4.2286	.43970	1.1202	27.288	2.5531

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: S3 Acquired: 12/20/2024 17:30:46 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S03 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1698.7	21676.	2288.2	1443.2	1922.5
Stddev	1.4	28.	15.9	3.7	2.9
%RSD	.07956	.13111	.69604	.25540	.14881
#1	1698.0	21662.	2292.5	1447.3	1921.6
#2	1697.9	21657.	2270.6	1441.9	1920.2
#3	1700.3	21708.	2301.5	1440.3	1925.7

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: S4 Acquired: 12/20/2024 17:34:34 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S04 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	700.51	.42195	6.5963	.45960	.91768	18.222	44.073	4.7947
Stddev	1.39	.00014	.0096	.00084	.00235	.085	.221	.0120
%RSD	.19886	.03422	.14555	.18268	.25564	.46908	.50115	.24955
#1	699.90	.42185	6.5969	.45922	.91814	18.313	44.328	4.7837
#2	699.52	.42212	6.5864	.45903	.91514	18.143	43.929	4.7928
#3	702.10	.42189	6.6055	.46057	.91977	18.212	43.963	4.8074

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	10.575	13.606	4.5581	2.8953	2.6896	3.1807	7.1662	2.4861
Stddev	.017	.066	.0154	.0071	.0115	.0171	.0355	.0114
%RSD	.16051	.48168	.33862	.24493	.42709	.53899	.49536	.45792
#1	10.586	13.669	4.5430	2.8986	2.7005	3.1992	7.2025	2.4960
#2	10.555	13.538	4.5575	2.8871	2.6776	3.1653	7.1315	2.4737
#3	10.583	13.612	4.5739	2.9001	2.6909	3.1776	7.1645	2.4887

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	1.7457	.37665	.96451	.24489	.79229	3.6344	.38980	3.1755
Stddev	.0038	.00062	.00963	.00206	.00805	.0170	.00052	.0143
%RSD	.21533	.16586	.99825	.84202	1.0158	.46819	.13402	.44903
#1	1.7482	.37662	.97462	.24614	.79961	3.6518	.39006	3.1595
#2	1.7414	.37604	.95544	.24251	.78367	3.6178	.38920	3.1802
#3	1.7475	.37729	.96347	.24601	.79358	3.6335	.39014	3.1868

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.6407	.25699	8.3013	.88294	2.2155	54.257	5.0399
Stddev	.0081	.00053	.0541	.00089	.0129	.344	.0178
%RSD	.22257	.20718	.65107	.10105	.58255	.63428	.35264
#1	3.6444	.25759	8.2471	.88352	2.2303	54.639	5.0535
#2	3.6314	.25657	8.3015	.88191	2.2066	53.970	5.0198
#3	3.6462	.25682	8.3552	.88338	2.2096	54.163	5.0465

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: S4 Acquired: 12/20/2024 17:34:34 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S04 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1592.0	21186.	2274.3	1345.1	1838.1
Stddev	1.2	58.	1.5	2.1	2.8
%RSD	.07498	.27246	.06494	.15756	.15072
#1	1591.0	21120.	2273.0	1342.7	1834.9
#2	1593.3	21228.	2275.9	1346.8	1839.9
#3	1591.8	21210.	2274.2	1345.8	1839.5

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: S5 Acquired: 12/20/2024 17:38:17 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S05 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	1368.0	.84147	13.501	.99278	2.0396	37.359	89.947	9.5666
Stddev	6.9	.00315	.019	.00022	.0052	.188	.466	.0118
%RSD	.50727	.37433	.14115	.02179	.25285	.50269	.51779	.12380
#1	1363.2	.84499	13.520	.99300	2.0422	37.433	90.084	9.5732
#2	1364.8	.83891	13.482	.99257	2.0336	37.145	89.428	9.5529
#3	1375.9	.84052	13.502	.99276	2.0429	37.498	90.329	9.5737

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	21.334	27.268	9.0795	5.8592	5.4231	6.3463	14.298	4.9945
Stddev	.030	.171	.0158	.0065	.0315	.0377	.068	.0218
%RSD	.13832	.62598	.17428	.11131	.58168	.59466	.47812	.43720
#1	21.366	27.385	9.0618	5.8611	5.4446	6.3539	14.306	4.9903
#2	21.307	27.072	9.0924	5.8519	5.3869	6.3053	14.225	4.9751
#3	21.329	27.347	9.0841	5.8645	5.4378	6.3796	14.361	5.0182

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	3.5453	.77341	1.9739	.49320	1.8028	7.4070	.81120	6.1971
Stddev	.0053	.00021	.0108	.00360	.0095	.0366	.00114	.0136
%RSD	.15017	.02684	.54701	.72925	.52424	.49431	.14011	.21904
#1	3.5502	.77321	1.9666	.49349	1.8035	7.4240	.81233	6.2046
#2	3.5396	.77362	1.9689	.48947	1.7930	7.3650	.81006	6.2053
#3	3.5460	.77340	1.9863	.49664	1.8119	7.4320	.81119	6.1814

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8.0437	.53761	16.438	1.8034	4.4857	110.05	10.268
Stddev	.0113	.00063	.020	.0029	.0188	.40	.058
%RSD	.14015	.11655	.12359	.16383	.41997	.36562	.56150
#1	8.0562	.53783	16.449	1.8032	4.4813	110.51	10.302
#2	8.0344	.53691	16.450	1.8005	4.4694	109.85	10.202
#3	8.0404	.53810	16.414	1.8064	4.5063	109.79	10.302

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: S5 Acquired: 12/20/2024 17:38:17 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S05 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1394.4	20375.	2245.0	1163.1	1721.3
Stddev	5.0	90.	8.6	3.9	6.6
%RSD	.35973	.44073	.38468	.33283	.38243
#1	1389.9	20433.	2246.9	1162.9	1714.9
#2	1393.5	20420.	2252.6	1167.1	1720.9
#3	1399.8	20271.	2235.6	1159.3	1728.1

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: S6 Acquired: 12/20/2024 17:42:11 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S06 Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3736	Fe2598	Mg2790	Na8183
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	96.919	43.543	16.574	7.9745	5.3423
Stddev	.193	.068	.026	.0188	.0202
%RSD	.19912	.15653	.15859	.23630	.37881
#1	96.907	43.561	16.570	7.9848	5.3547
#2	96.733	43.468	16.549	7.9528	5.3189
#3	97.118	43.601	16.602	7.9860	5.3532

Int. Std.	Y_3710
Units	Cts/S
Avg	2196.5
Stddev	9.7
%RSD	.44269
#1	2185.6
#2	2204.4
#3	2199.5

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: ICV009 Acquired: 12/20/2024 18:43:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV009 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.095878	1.020101	.9759660	.9467524	1.015107	2.405723
Stddev	.004875	.003717	.0055564	.0047870	.001218	.025879
%RSD	.4448140	.3644052	.5693187	.5056261	.1200138	1.075722
#1	1.100878	1.017545	.9734401	.9440655	1.016514	2.378512
#2	1.091139	1.018394	.9721213	.9439124	1.014391	2.408633
#3	1.095617	1.024366	.9823366	.9522793	1.014417	2.430023

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5244617	.5256698	.5043901	10.37361	.5547014	.5039497
Stddev	.0022893	.0037227	.0016573	.04046	.0001990	.0020100
%RSD	.4365107	.7081920	.3285700	.3899806	.0358781	.3988538
#1	.5227484	.5262603	.5039540	10.38583	.5549290	.5028747
#2	.5235750	.5216871	.5029945	10.32846	.5546151	.5027057
#3	.5270618	.5290620	.5062218	10.40655	.5545601	.5062686

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5100395	10.54768	.5338618	6.328964	.5133974	.2430099
Stddev	.0017230	.02214	.0033795	.117339	.0022051	.0003120
%RSD	.3378246	.2098685	.6330218	1.853999	.4295209	.1283892
#1	.5116607	10.52908	.5328742	6.398205	.5134495	.2428525
#2	.5102278	10.54180	.5310861	6.395204	.5111666	.2428080
#3	.5082301	10.57217	.5376250	6.193484	.5155760	.2433693

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.078670	.5131804	.9400343	9.218355	F -.000859	F .0016484
Stddev	.373600	.0099150	.0139820	.321245	.001771	.0012488
%RSD	4.115141	1.932075	1.487396	3.484837	206.2562	75.75633
#1	9.015584	.5021313	.9245423	9.371009	-.000885	.0027755
#2	8.740629	.5213021	.9517167	8.849247	.000926	.0018637
#3	9.479796	.5161079	.9438440	9.434809	-.002617	.0003060

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: ICV009 Acquired: 12/20/2024 18:43:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV009 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0002412	F .0032379	F -.000811	F .0000915	F -.000032	F -.009343
Stddev	.0003605	.0047529	.000966	.0008949	.001786	.000155
%RSD	149.4463	146.7922	119.1181	978.4445	5551.220	1.659620
#1	.0003687	.0010651	.000299	-.000890	-.001009	-.009389
#2	-.000166	-.000040	-.001271	.000302	-.001116	-.009170
#3	.000521	.008689	-.001460	.000862	.002029	-.009469

Elem	Li6707
Units	ppm
Avg	F -.000613
Stddev	.001684
%RSD	274.8356
#1	-.002146
#2	.001190
#3	-.000882

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1829.987	22487.96	2320.080	1553.860	2133.754
Stddev	.995	114.27	14.207	9.415	4.885
%RSD	.0543783	.5081278	.6123593	.6059317	.2289610
#1	1829.983	22394.93	2306.081	1549.970	2133.895
#2	1830.985	22453.45	2334.486	1547.012	2138.568
#3	1828.994	22615.51	2319.673	1564.597	2128.800

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: ICB009 Acquired: 12/20/2024 18:47:38 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB009 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024891	-.000271	-.001191	-.000286	-.000186	-.016879	-.001087
Stddev	.0019829	.003144	.000665	.000539	.001787	.024212	.001125
%RSD	79.66106	1158.857	55.84614	188.7763	959.1672	143.4482	103.5148
#1	.0026850	-.000174	-.001263	-.000793	-.000669	-.001858	-.001482
#2	.0043668	-.003463	-.000493	-.000343	.001792	-.003968	.000182
#3	.0004156	.002823	-.001817	.000280	-.001683	-.044810	-.001961

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001520	.0001707	.0104752	-.000505	-.000081	-.004613	-.010125
Stddev	.0001234	.0000206	.0378204	.000601	.000410	.004816	.007621
%RSD	81.16942	12.04123	361.0484	119.0923	507.6642	104.4013	75.26976
#1	.0002133	.0001767	-.024869	-.000962	.000299	-.010102	-.014271
#2	.0000100	.0001478	.050361	-.000728	-.000516	-.002634	-.001330
#3	.0002327	.0001876	.005933	.000176	-.000025	-.001101	-.014774

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000779	.0426357	.0000121	.0003640	-.167003	-.011085	-.000400
Stddev	.000504	.1141329	.0002092	.0000947	.883191	.003648	.015502
%RSD	64.66564	267.6932	1731.678	26.00935	528.8462	32.90782	3871.015
#1	-.000990	-.066863	.0002530	.0004261	-.097081	-.010418	.015512
#2	-.000204	.033872	-.000123	.0004110	.679148	-.007816	-.001257
#3	-.001142	.160898	-.000094	.0002551	-1.08308	-.015020	-.015457

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.330496	-.002878	-.002182	-.000115	-.006179	-.002199	-.005951
Stddev	.122090	.001637	.000844	.000072	.004588	.001383	.000653
%RSD	36.94152	56.86676	38.68280	63.00005	74.25742	62.86546	10.97234
#1	-.368184	-.001391	-.001284	-.000097	-.001364	-.001474	-.005438
#2	-.429298	-.002612	-.002303	-.000194	-.006672	-.001331	-.006686
#3	-.194005	-.004632	-.002958	-.000053	-.010501	-.003794	-.005729

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: ICB009 Acquired: 12/20/2024 18:47:38 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB009 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0025407	-.000057	-.000381
Stddev	.0018674	.000149	.003983
%RSD	73.50073	260.9339	1045.952
#1	.0004061	-.000042	-.002167
#2	.0033438	.000084	.004183
#3	.0038722	-.000213	-.003158

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1847.829	22747.49	2316.166	1573.044	2162.423
Stddev	2.573	102.14	12.262	1.571	5.196
%RSD	.1392519	.4490192	.5294268	.0998431	.2403003
#1	1850.800	22705.29	2319.640	1574.605	2168.409
#2	1846.391	22863.97	2302.541	1573.062	2159.064
#3	1846.297	22673.21	2326.316	1571.464	2159.798

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: ICSA009 Acquired: 12/20/2024 18:51:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA009 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0083435	-.015072	-.000198	.0254589	.0039875	237.4675
Stddev	.0038220	.004722	.004219	.0056786	.0030531	1.0293
%RSD	45.80774	31.33126	2135.501	22.30485	76.56671	.4334466
#1	.0127510	-.017496	-.004240	.0319856	.0028814	236.3113
#2	.0059460	-.018090	-.000531	.0216498	.0016416	237.8072
#3	.0063335	-.009630	.004178	.0227413	.0074395	238.2841

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054289	.0023987	.0007455	245.3578	.0503061	.0342003
Stddev	.0005274	.0001144	.0001224	.8711	.0007286	.0002352
%RSD	9.714990	4.769637	16.41323	.3550466	1.448424	.6876973
#1	.0057770	.0025142	.0008121	244.5060	.0495400	.0344191
#2	.0048221	.0023965	.0006043	245.3206	.0503878	.0339516
#3	.0056876	.0022854	.0008201	246.2470	.0509904	.0342300

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.013234	100.9271	.0090810	256.5480	.0035584	.0055300
Stddev	.004637	.1797	.0005398	1.2217	.0006846	.0015117
%RSD	35.03891	.1780872	5.944036	.4762095	19.23869	27.33565
#1	-.016993	100.7213	.0089557	255.1655	.0040386	.0042966
#2	-.014657	101.0536	.0086149	256.9963	.0038620	.0050771
#3	-.008052	101.0062	.0096724	257.4822	.0027745	.0072164

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.03503	.0083949	-.020978	-.758622	-.006772	F .0185641
Stddev	.10290	.0114413	.013606	.161072	.003502	.0014610
%RSD	9.941636	136.2889	64.85723	21.23225	51.71014	7.870007
#1	-.96009	.0142984	-.030192	-.724631	-.002869	.0171056
#2	-.99266	-.004792	-.027392	-.617257	-.007810	.0200276
#3	-1.15235	.015679	-.005351	-.933977	-.009638	.0185592

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: ICSA009 Acquired: 12/20/2024 18:51:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA009 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014427	.0135100	-.003623	.0004282	.0016293	.0032390
Stddev	.0004463	.0026512	.000759	.0014551	.0014593	.0000974
%RSD	30.93511	19.62427	20.94010	339.7939	89.56339	3.008236
#1	.0009653	.0164559	-.003032	.0008133	.0024162	.0032359
#2	.0018495	.0113156	-.004479	-.001181	-.000055	.0031431
#3	.0015131	.0127586	-.003359	.001652	.002526	.0033379

Elem	Li6707
Units	ppm
Avg	-.002410
Stddev	.002479
%RSD	102.8641
#1	-.004057
#2	-.003612
#3	.000441

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1742.570	21259.70	2275.695	1484.330	1904.662
Stddev	2.429	136.54	1.024	8.165	5.442
%RSD	.1394069	.6422269	.0449789	.5500624	.2857087
#1	1744.674	21411.99	2276.848	1493.741	1910.807
#2	1739.911	21148.23	2274.894	1480.112	1900.452
#3	1743.124	21218.89	2275.344	1479.138	1902.728

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: ICSAB009 Acquired: 12/20/2024 19:01:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB009 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1118575	.0961657	.0506467	.0716440	.5560824	243.3925
Stddev	.0040234	.0028159	.0019234	.0023818	.0027692	1.0598
%RSD	3.596925	2.928222	3.797709	3.324540	.4979784	.4354357
#1	.1072183	.0986114	.0500369	.0739561	.5530477	243.3421
#2	.1143921	.0930872	.0528011	.0717778	.5584723	244.4766
#3	.1139621	.0967985	.0491021	.0691980	.5567273	242.3587

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5363016	.5309610	1.018593	250.7849	.5965439	.5278232
Stddev	.0017899	.0041157	.001864	.8634	.0034289	.0004708
%RSD	.3337557	.7751458	.1829596	.3442667	.5747987	.0891975
#1	.5368522	.5330615	1.016552	250.9519	.6004104	.5277621
#2	.5377516	.5336026	1.019026	251.5526	.5938722	.5273860
#3	.5343011	.5262189	1.020203	249.8503	.5953492	.5283216

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4739588	103.9016	.5304337	262.8718	1.013251	.1929764
Stddev	.0044010	.7374	.0012638	1.2390	.002251	.0010457
%RSD	.9285529	.7096799	.2382530	.4713291	.2221566	.5418690
#1	.4741378	103.9918	.5310942	262.6563	1.010842	.1920144
#2	.4782676	104.5896	.5312304	264.2045	1.013610	.1928256
#3	.4694712	103.1232	.5289766	261.7548	1.015300	.1940893

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.716099	.5226847	.9018573	-1.23806	-.002624	F .0193516
Stddev	.409028	.0060679	.0179656	.17068	.003043	.0064013
%RSD	57.11890	1.160914	1.992065	13.78572	115.9767	33.07906
#1	-.252030	.5253536	.8843190	-1.43282	-.004104	.0218163
#2	-.872080	.5269606	.9202217	-1.11461	.000876	.0241542
#3	-1.02419	.5157397	.9010311	-1.16674	-.004643	.0120843

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: ICSAB009 Acquired: 12/20/2024 19:01:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB009 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021555	.0178216	-.003293	.0006657	-.000674	.0036435
Stddev	.0003338	.0035796	.000826	.0002975	.002408	.0002401
%RSD	15.48623	20.08594	25.07212	44.69337	357.2888	6.590143
#1	.0022225	.0211158	-.002399	.0007658	-.002582	.0033705
#2	.0017932	.0183368	-.003453	.0009002	-.001472	.0037379
#3	.0024507	.0140123	-.004027	.0003310	.002032	.0038221

Elem	Li6707
Units	ppm
Avg	-.004154
Stddev	.003279
%RSD	78.94520
#1	-.002215
#2	-.002307
#3	-.007940

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1736.765	21118.01	2277.677	1475.815	1901.015
Stddev	5.097	31.20	13.371	1.866	4.920
%RSD	.2934993	.1477576	.5870621	.1264228	.2588293
#1	1733.990	21082.90	2275.000	1477.364	1899.151
#2	1733.657	21142.57	2265.847	1476.337	1897.299
#3	1742.648	21128.56	2292.185	1473.743	1906.595

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV081 Acquired: 12/20/2024 19:05:37 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV081 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.020170	4.936962	24.95856	4.904866	4.900146	407.9779	10.28323
Stddev	.007234	.023310	.09863	.021134	.012227	.8425	.02999
%RSD	.1440889	.4721618	.3951691	.4308694	.2495218	.2065031	.2915969
#1	5.024110	4.962063	25.05062	4.929266	4.914147	407.6079	10.25551
#2	5.011822	4.915995	24.85447	4.893010	4.891567	407.3837	10.27911
#3	5.024577	4.932829	24.97060	4.892322	4.894726	408.9420	10.31506

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5171305	2.509632	410.7829	15.59473	2.511059	15.36999	415.0674
Stddev	.0020238	.010274	.8776	.10006	.010690	.03765	1.0395
%RSD	.3913597	.4093815	.2136528	.6416296	.4257144	.2449630	.2504502
#1	.5147991	2.519515	411.5464	15.48239	2.521997	15.39185	414.1884
#2	.5181569	2.499007	409.8240	15.67429	2.500636	15.32652	414.7989
#3	.5184354	2.510373	410.9782	15.62750	2.510543	15.39161	416.2148

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.28200	409.4045	2.528850	1.303178	408.4372	2.569120	14.86148
Stddev	.04945	1.2378	.011001	.007585	2.3811	.010572	.10020
%RSD	.3235727	.3023509	.4350298	.5820054	.5829887	.4114864	.6741963
#1	15.23217	408.8571	2.539689	1.297175	405.8596	2.558533	14.76973
#2	15.28277	408.5348	2.517694	1.311702	408.8970	2.569148	14.84632
#3	15.33106	410.8217	2.529168	1.300656	410.5548	2.579676	14.96839

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	154.9553	5.023603	5.042218	4.846655	5.074105	4.995840	5.025764
Stddev	.3922	.017646	.029896	.017345	.014621	.015470	.020704
%RSD	.2531305	.3512521	.5929138	.3578799	.2881529	.3096580	.4119512
#1	154.6554	5.034554	5.007770	4.866620	5.088132	4.980626	5.045808
#2	154.8112	5.003247	5.061385	4.835292	5.058955	5.011554	5.004458
#3	155.3992	5.033008	5.057500	4.838053	5.075228	4.995339	5.027026

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV081 Acquired: 12/20/2024 19:05:37 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV081 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.128113	4.879557	5.202074
Stddev	.011961	.009765	.011549
%RSD	.2332523	.2001222	.2220056
#1	5.123049	4.870658	5.199288
#2	5.119515	4.878008	5.192173
#3	5.141773	4.890003	5.214761

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1535.435	20457.32	2237.880	1302.606	1755.359
Stddev	2.545	71.05	3.853	3.995	3.932
%RSD	.1657755	.3473189	.1721764	.3067153	.2239798
#1	1532.529	20539.32	2238.307	1306.930	1752.494
#2	1536.505	20418.64	2241.502	1301.840	1759.841
#3	1537.270	20414.00	2233.831	1299.050	1753.743

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCB081 Acquired: 12/20/2024 19:09:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB081 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021532	.0006173	.0009618	.0020062	-.003261	.0024440
Stddev	.0037779	.0031260	.0014775	.0037565	.000527	.0274107
%RSD	175.4526	506.3609	153.6144	187.2432	16.17034	1121.546
#1	.0040558	-.002852	.0019294	-.001795	-.003852	.0308517
#2	.0046016	.003214	-.000739	.002097	-.003090	.0003273
#3	-.002198	.001490	.001695	.005716	-.002840	-.023847

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000463	.0002247	.0002119	.0075773	-.000314	.0002193
Stddev	.001354	.0001498	.0000700	.0256691	.000734	.0003049
%RSD	292.7268	66.63149	33.02544	338.7608	233.6939	139.0217
#1	.000052	.0003814	.0002286	-.016179	-.000326	.0003242
#2	.000559	.0002099	.0001351	.034805	-.001042	-.000124
#3	-.001999	.0000830	.0002720	.004106	.000426	.000458

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000064	-.006968	.0015303	.0952938	.0000636	.0005032
Stddev	.002301	.032548	.0010036	.0436448	.0007391	.0005211
%RSD	3608.588	467.0820	65.58417	45.80027	1162.218	103.5530
#1	-.000375	-.020111	.0026489	.1438063	.0004632	.0009503
#2	-.002194	-.030890	.0012330	.0828601	.0005168	.0006284
#3	.002377	.030096	.0007089	.0592150	-.000789	-.000069

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.460316	-.009999	-.007512	-.249786	-.002358	.0128566
Stddev	.410805	.003256	.006210	.028553	.001361	.0013148
%RSD	89.24409	32.55887	82.67196	11.43098	57.71168	10.22663
#1	-.934341	-.008835	-.002144	-.267916	-.003349	.0143746
#2	-.238663	-.007486	-.006078	-.216873	-.002919	.0121176
#3	-.207945	-.013677	-.014314	-.264569	-.000806	.0120776

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCB081 Acquired: 12/20/2024 19:09:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB081 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000019	-.003188	-.001159	F -.011152	.0031994	.0001466
Stddev	.000733	.002665	.000761	.001006	.0010132	.0002282
%RSD	3961.019	83.57311	65.62392	9.023791	31.66815	155.6881
#1	-.000749	-.006183	-.000521	-.011077	.0027554	.0002199
#2	.000717	-.002303	-.002001	-.012194	.0043589	.0003290
#3	-.000024	-.001080	-.000956	-.010186	.0024841	-.000109

Elem	Li6707
Units	ppm
Avg	.0002944
Stddev	.0012646
%RSD	429.5533
#1	-.000172
#2	.001726
#3	-.000671

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1841.251	22628.07	2308.995	1575.052	2157.436
Stddev	6.275	55.52	33.054	4.869	6.788
%RSD	.3408038	.2453804	1.431547	.3091332	.3146515
#1	1842.848	22578.41	2278.637	1570.308	2159.434
#2	1834.332	22688.02	2304.140	1580.037	2149.872
#3	1846.574	22617.78	2344.208	1574.811	2163.000

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5067-05DL2X5 Acquired: 12/20/2024 19:13:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28M4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054454	.0339431	.0291286	-.028444	-.015649	1.957592	.3613054
Stddev	.0024106	.0050003	.0016065	.001577	.003170	.014364	.0026814
%RSD	44.26894	14.73153	5.515122	5.544485	20.25466	.7337467	.7421444
#1	.0026650	.0336970	.0292687	-.026626	-.014411	1.961427	.3589170
#2	.0067217	.0390619	.0274567	-.029432	-.013285	1.969649	.3607934
#3	.0069497	.0290703	.0306606	-.029276	-.019251	1.941700	.3642059

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006695	.0002923	378.0607	.0130536	.0393394	.0075448	8.973307
Stddev	.0001856	.0000783	.6253	.0007424	.0002280	.0002901	.004206
%RSD	27.72200	26.77808	.1653910	5.687691	.5794999	3.845078	.0468761
#1	.0005761	.0003116	377.5958	.0126477	.0395035	.0077658	8.971388
#2	.0005491	.0003591	377.8148	.0126026	.0394356	.0076524	8.970403
#3	.0008833	.0002062	378.7716	.0139105	.0390791	.0072163	8.978131

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2320900	206.5036	.0152412	.0014486	.1970955	.0034393	.0266272
Stddev	.0025900	.0924	.0009423	.0010321	1.307115	.0052802	.0007620
%RSD	1.115957	.0447516	6.182844	71.24618	663.1887	153.5267	2.861744
#1	.2297530	206.4240	.0161331	.0012624	-1.01756	.0006205	.0273832
#2	.2316423	206.4818	.0153350	.0005223	1.58032	.0095307	.0258594
#3	.2348747	206.6050	.0142555	.0025612	.02853	.0001667	.0266389

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1803359	.1941343	.0324919	.0031107	5.188287	1.054072	-.002370
Stddev	.0253261	.0013257	.0002454	.0007315	.007109	.003418	.001668
%RSD	14.04385	.6828793	.7553546	23.51639	.1370132	.3242926	70.35372
#1	.1772214	.1931591	.0327231	.0034715	5.195152	1.057148	-.000940
#2	.1567111	.1935999	.0322344	.0035918	5.188752	1.054675	-.001970
#3	.2070752	.1956437	.0325183	.0022689	5.180958	1.050392	-.004202

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5067-05DL2X5 Acquired: 12/20/2024 19:13:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28M4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0325331	11.34065	.0092815
Stddev	.0019681	.11218	.0052998
%RSD	6.049618	.9891764	57.10021
#1	.0347719	11.35758	.0078691
#2	.0317517	11.44339	.0048310
#3	.0310757	11.22096	.0151445

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1738.750	21449.50	2265.158	1470.186	1892.595
Stddev	3.630	121.05	6.920	8.067	1.811
%RSD	.2087917	.5643396	.3055035	.5486836	.0956854
#1	1740.801	21531.02	2257.978	1474.155	1892.802
#2	1740.891	21507.08	2271.785	1475.498	1894.294
#3	1734.559	21310.41	2265.712	1460.903	1890.690

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4964-05DL2X5 Acquired: 12/20/2024 19:17:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092693	.0287108	.1799374	-.021151	-.014384	4.518460	.0504633
Stddev	.0043875	.0008875	.0012735	.005026	.000417	.021673	.0008813
%RSD	47.33366	3.091159	.7077565	23.76132	2.896758	.4796483	1.746475
#1	.0053576	.0288853	.1798023	-.026843	-.013903	4.500282	.0508726
#2	.0140134	.0277490	.1812730	-.019283	-.014618	4.512654	.0494517
#3	.0084370	.0294981	.1787368	-.017326	-.014631	4.542445	.0510655

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008798	.0111622	409.2971	.0134089	.0429822	.0222336	24.68755
Stddev	.0000221	.0000518	2.5739	.0002385	.0005978	.0012176	.16537
%RSD	2.515649	.4639735	.6288705	1.778709	1.390809	5.476447	.6698409
#1	.0008637	.0112220	408.5350	.0134702	.0423132	.0229238	24.71378
#2	.0009050	.0111326	407.1903	.0136108	.0431695	.0208277	24.51063
#3	.0008706	.0111319	412.1661	.0131457	.0434639	.0229492	24.83823

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.605132	217.1335	.0219587	.0037182	.1861600	.0014189	2.005069
Stddev	.028125	1.6584	.0014224	.0000760	.4160004	.0042581	.045828
%RSD	1.079597	.7637680	6.477448	2.044665	223.4639	300.0903	2.285589
#1	2.599988	216.6442	.0235933	.0036333	.1963870	-.001893	1.992166
#2	2.579934	215.7748	.0210032	.0037410	.5969525	-.000072	1.967076
#3	2.635474	218.9815	.0212795	.0037802	-.234860	.006222	2.055965

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.299819	.6218632	.0338582	.0018915	5.327831	2.036378	.0033125
Stddev	.122302	.0041311	.0014298	.0002040	.006709	.004803	.0017040
%RSD	9.409192	.6643080	4.223007	10.78567	.1259304	.2358669	51.44031
#1	1.167057	.6258649	.0349115	.0016588	5.327778	2.031509	.0025458
#2	1.407897	.6221108	.0322305	.0019758	5.321148	2.036514	.0021266
#3	1.324501	.6176139	.0344328	.0020398	5.334567	2.041112	.0052651

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4964-05DL2X5 Acquired: 12/20/2024 19:17:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ03 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0610361	.1210162	.0168822
Stddev	.0035294	.0012297	.0002095
%RSD	5.782418	1.016185	1.240830
#1	.0622353	.1206159	.0166974
#2	.0638096	.1200365	.0168395
#3	.0570634	.1223962	.0171098

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1733.739	21481.35	2267.360	1470.571	1867.307
Stddev	2.957	98.14	6.560	5.713	1.555
%RSD	.1705589	.4568401	.2893329	.3884797	.0832665
#1	1730.581	21402.23	2268.902	1474.635	1865.964
#2	1736.443	21591.17	2273.011	1473.040	1866.947
#3	1734.194	21450.65	2260.166	1464.039	1869.011

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-01 Acquired: 12/20/2024 19:21:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28R5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1888606	-.267788	2.046992	.2979501	.1487171	106.8684	1.455803
Stddev	.0028351	.004810	.011882	.0074856	.0017613	1.0027	.012379
%RSD	1.501163	1.796216	.5804755	2.512372	1.184302	.9382532	.8502918
#1	.1890740	-.263146	2.052960	.2895442	.1467758	105.9538	1.445833
#2	.1915831	-.267469	2.054708	.3004096	.1491630	106.7109	1.451919
#3	.1859249	-.272750	2.033309	.3038965	.1502126	107.9406	1.469658

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0194712	.0229252	319.9638	2.399306	.1535406	1.952968	629.1286
Stddev	.0000846	.0004330	2.9824	.018229	.0012220	.023763	5.5149
%RSD	.4346463	1.888766	.9321088	.7597792	.7958560	1.216754	.8765983
#1	.0194215	.0232062	317.4471	2.409968	.1536330	1.938367	624.2999
#2	.0195690	.0231430	319.1865	2.378257	.1547137	1.940148	627.9475
#3	.0194233	.0224266	323.2579	2.409693	.1522750	1.980387	635.1384

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.59683	73.25588	1.563392	.0439782	2.077908	.3611963	6.897816
Stddev	.11958	.55384	.010157	.0027582	.260185	.0005877	.052528
%RSD	.9493066	.7560341	.6496838	6.271616	12.52148	.1626989	.7615213
#1	12.49839	72.92294	1.570321	.0408007	2.378045	.3605672	6.928678
#2	12.56218	72.94949	1.568122	.0457539	1.939439	.3612907	6.837164
#3	12.72991	73.89522	1.551732	.0453801	1.916240	.3617311	6.927605

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.46351	8.844960	.2990643	.2771696	7.844249	9.282330	.1848983
Stddev	.33577	.063567	.0051366	.0003555	.051612	.067829	.0021592
%RSD	1.640833	.7186771	1.717546	.1282467	.6579661	.7307302	1.167784
#1	20.20530	8.868898	.2991692	.2773567	7.860035	9.217383	.1855363
#2	20.34213	8.893083	.2938761	.2767597	7.886125	9.276892	.1866666
#3	20.84309	8.772900	.3041476	.2773926	7.786587	9.352714	.1824920

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-01 Acquired: 12/20/2024 19:21:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28R5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.630028	.2113659	.1220139
Stddev	.022579	.0024723	.0030995
%RSD	1.385188	1.169673	2.540295
#1	1.607948	.2093829	.1202557
#2	1.629061	.2105791	.1201933
#3	1.653075	.2141359	.1255928

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1962.551	24521.50	2625.032	1664.759	1982.277
Stddev	5.224	156.43	31.151	8.283	14.514
%RSD	.2661936	.6379183	1.186692	.4975227	.7322112
#1	1958.052	24526.64	2657.081	1664.827	1974.277
#2	1961.321	24675.29	2623.151	1673.008	1973.522
#3	1968.281	24362.56	2594.864	1656.443	1999.031

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-02 Acquired: 12/20/2024 19:25:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28R6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2277652	-.275526	2.258135	.3047480	.1540585	83.43936	1.482926
Stddev	.0026345	.002715	.008074	.0052525	.0018955	.38477	.009693
%RSD	1.156650	.9852741	.3575683	1.723543	1.230367	.4611331	.6536179
#1	.2307710	-.273438	2.249717	.3107539	.1518790	83.85008	1.492239
#2	.2266673	-.274546	2.265815	.3010132	.1553215	83.08728	1.472894
#3	.2258572	-.278595	2.258871	.3024770	.1549751	83.38074	1.483644

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0192101	.0203959	308.9870	2.025288	.1578196	4.615900	646.2016
Stddev	.0003955	.0002255	1.4816	.044892	.0005426	.008342	3.8310
%RSD	2.058832	1.105827	.4795034	2.216556	.3438264	.1807123	.5928457
#1	.0196642	.0201886	310.5972	2.022171	.1581291	4.620724	649.9264
#2	.0189406	.0206361	307.6813	1.982036	.1581366	4.606268	642.2726
#3	.0190256	.0203631	308.6825	2.071657	.1571930	4.620708	646.4057

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.97184	68.65187	1.141819	.0445514	1.813617	.3563599	6.096980
Stddev	.08607	.53732	.003356	.0032005	.357281	.0065419	.116598
%RSD	.6160276	.7826684	.2938976	7.183912	19.69990	1.835743	1.912384
#1	14.05594	69.26816	1.139876	.0459812	1.977591	.3594481	6.030406
#2	13.88392	68.28166	1.145694	.0467877	1.403783	.3607861	6.028922
#3	13.97567	68.40580	1.139887	.0408852	2.059478	.3488457	6.231613

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.61876	7.381667	.2823770	.2245370	6.837727	9.386163	.3939592
Stddev	.25610	.018138	.0060719	.0004397	.027763	.147624	.0009702
%RSD	1.375501	.2457144	2.150287	.1958158	.4060244	1.572781	.2462644
#1	18.80997	7.369822	.2756651	.2246830	6.825852	9.554462	.3940306
#2	18.32779	7.402548	.2839776	.2240429	6.869453	9.278573	.3948917
#3	18.71852	7.372632	.2874883	.2248851	6.817877	9.325455	.3929553

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-02 Acquired: 12/20/2024 19:25:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28R6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.643731	.1161520	.1184840
Stddev	.007919	.0006186	.0030845
%RSD	.4817553	.5325812	2.603301
#1	1.652330	.1166452	.1206444
#2	1.636738	.1154579	.1198561
#3	1.642127	.1163527	.1149515

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1946.489	24112.97	2541.019	1637.390	1994.565
Stddev	7.430	439.91	24.186	29.066	6.283
%RSD	.3817109	1.824357	.9518107	1.775120	.3150306
#1	1938.128	24293.29	2513.103	1649.696	1990.613
#2	1949.004	24434.06	2555.649	1658.278	1991.271
#3	1952.335	23611.55	2554.306	1604.196	2001.811

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-03 Acquired: 12/20/2024 19:29:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28R7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0876158	-.055961	.1746149	.0663457	.0248031	90.25794
Stddev	.0073287	.003185	.0013047	.0053428	.0009001	1.54196
%RSD	8.364582	5.691743	.7471842	8.053005	3.628794	1.708396
#1	.0826247	-.059336	.1753745	.0684818	.0237805	91.23755
#2	.0960297	-.055538	.1731083	.0702899	.0251539	88.48053
#3	.0841930	-.053008	.1753617	.0602653	.0254749	91.05573

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.173255	.0096013	.0045336	F 800.2999	.1728316	.1401536
Stddev	.021062	.0001964	.0000660	13.8461	.0018388	.0005773
%RSD	1.795192	2.045378	1.455046	1.730115	1.063949	.4118910
#1	1.188557	.0097898	.0044612	809.9836	.1722098	.1397252
#2	1.149234	.0093979	.0045904	784.4406	.1749008	.1408101
#3	1.181976	.0096164	.0045491	806.4756	.1713844	.1399256

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1605544	199.9301	4.218514	230.3460	.2929522	.0109090
Stddev	.0128877	3.7124	.080021	4.6164	.0013878	.0007186
%RSD	8.026989	1.856834	1.896905	2.004118	.4737412	6.587507
#1	.1510949	202.2428	4.269174	232.6870	.2922694	.0117382
#2	.1553354	195.6480	4.126262	225.0281	.2920380	.0105220
#3	.1752331	201.8995	4.260106	233.3229	.2945491	.0104668

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5815166	.2218498	.5278443	10.83781	4.184266	.0963408
Stddev	.4345503	.0033392	.0180954	.16207	.002818	.0038538
%RSD	74.72708	1.505161	3.428168	1.495404	.0673377	4.000176
#1	.8643262	.2249167	.5177163	11.02483	4.186277	.1002320
#2	.7990657	.2182925	.5487358	10.73856	4.181046	.0925256
#3	.0811577	.2223402	.5170807	10.75002	4.185476	.0962648

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-03 Acquired: 12/20/2024 19:29:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28R7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0203889	6.001793	9.091521	.0186609	1.253438	1.398207
Stddev	.0009338	.020388	.183730	.0024020	.025826	.026508
%RSD	4.579990	.3397006	2.020899	12.87157	2.060452	1.895854
#1	.0199627	6.007403	9.225099	.0212482	1.271362	1.415156
#2	.0214598	5.979188	8.881993	.0182329	1.223835	1.367659
#3	.0197443	6.018789	9.167473	.0165018	1.265117	1.411805

Elem	Li6707
Units	ppm
Avg	.1716492
Stddev	.0092924
%RSD	5.413604
#1	.1761959
#2	.1609590
#3	.1777928

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1918.251	23722.89	2562.661	1624.691	1835.621
Stddev	6.732	51.72	62.798	2.466	4.741
%RSD	.3509652	.2180053	2.450497	.1518001	.2582905
#1	1924.743	23675.11	2517.056	1622.754	1839.585
#2	1918.708	23777.81	2634.287	1627.468	1836.910
#3	1911.302	23715.75	2536.639	1623.852	1830.369

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-04 Acquired: 12/20/2024 19:32:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28R8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0251648	.0138914	.2077070	.0110794	-.002702	86.76077
Stddev	.0042251	.0043666	.0029213	.0014678	.002911	.69998
%RSD	16.78959	31.43359	1.406460	13.24849	107.7477	.8067908
#1	.0226778	.0134464	.2086784	.0119494	-.001791	86.87291
#2	.0227733	.0184634	.2100188	.0119041	-.005960	86.01150
#3	.0300431	.0097644	.2044237	.0093847	-.000355	87.39791

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8028868	.0133139	.0022916	F 1286.505	.1313314	.0802356
Stddev	.0088106	.0001110	.0002073	3.771	.0003838	.0004524
%RSD	1.097367	.8340428	9.047191	.2931232	.2922203	.5638129
#1	.8062205	.0132465	.0022848	1288.506	.1317685	.0797182
#2	.7928957	.0132531	.0020877	1288.853	.1310499	.0805564
#3	.8095440	.0134421	.0025022	1282.155	.1311757	.0804321

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1050198	84.92306	6.784415	378.6371	.0876772	.0056493
Stddev	.0089800	.54091	.039408	2.3717	.0008817	.0013572
%RSD	8.550768	.6369454	.5808626	.6263711	1.005624	24.02442
#1	.1099050	84.92272	6.802408	378.0775	.0886950	.0045200
#2	.1104983	84.38232	6.739222	376.5953	.0871485	.0052729
#3	.0946563	85.46414	6.811615	381.2386	.0871880	.0071550

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.930968	.0981174	.4080971	4.992844	2.152437	.2681432
Stddev	.177461	.0077584	.0028869	.158607	.006714	.0038288
%RSD	9.190262	7.907241	.7073982	3.176677	.3119429	1.427882
#1	1.890469	.1004594	.4057238	5.169620	2.146462	.2666740
#2	1.777258	.0894579	.4072566	4.863000	2.151145	.2652667
#3	2.125179	.1044350	.4113110	4.945912	2.159703	.2724890

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-04 Acquired: 12/20/2024 19:32:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28R8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071096	25.16209	9.573862	.0225282	2.304932	2.495513
Stddev	.0000771	.05497	.059652	.0023899	.013531	.015267
%RSD	1.083955	.2184770	.6230726	10.60855	.5870395	.6117631
#1	.0070437	25.22063	9.576817	.0249351	2.307015	2.497972
#2	.0071944	25.11156	9.512788	.0224939	2.290481	2.479166
#3	.0070907	25.15410	9.631982	.0201556	2.317301	2.509401

Elem	Li6707
Units	ppm
Avg	.1139813
Stddev	.0032335
%RSD	2.836824
#1	.1163087
#2	.1102892
#3	.1153459

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1876.096	23205.83	2545.376	1583.226	1730.362
Stddev	3.874	87.47	16.264	7.296	3.817
%RSD	.2064754	.3769148	.6389673	.4608065	.2205914
#1	1878.370	23213.03	2542.590	1580.255	1729.548
#2	1878.296	23114.98	2562.853	1577.884	1734.521
#3	1871.624	23289.47	2530.685	1591.538	1727.018

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-05 Acquired: 12/20/2024 19:36:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28R9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0808951	-.074213	.1777450	.0866530	.0353886	72.82175	.8042998
Stddev	.0039183	.001005	.0018100	.0027677	.0010481	.56990	.0064043
%RSD	4.843726	1.354880	1.018303	3.194037	2.961653	.7825981	.7962533
#1	.0843427	-.075170	.1798255	.0885588	.0353934	73.36102	.8109082
#2	.0817088	-.073165	.1768765	.0834783	.0364343	72.22549	.7981214
#3	.0766338	-.074302	.1765329	.0879218	.0343381	72.87873	.8038698

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0111927	.0033258	786.7080	.1887916	.1189805	.2139310	237.2166
Stddev	.0002809	.0000801	7.2417	.0014885	.0006582	.0090957	1.7975
%RSD	2.509919	2.409220	.9205032	.7884359	.5532034	4.251700	.7577410
#1	.0115167	.0032451	793.6685	.1897441	.1183029	.2059216	238.8843
#2	.0110179	.0033271	779.2146	.1870764	.1196174	.2120520	235.3127
#3	.0110434	.0034053	787.2410	.1895544	.1190212	.2238195	237.4527

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.123491	134.1862	.2379985	.0143201	1.595872	.1626421	.3811369
Stddev	.040397	.9989	.0009095	.0005729	.324464	.0131353	.0088109
%RSD	.6597071	.7443868	.3821461	4.000584	20.33144	8.076176	2.311728
#1	6.163233	135.0712	.2390468	.0145978	1.479885	.1714420	.3720743
#2	6.082469	133.1031	.2375292	.0147011	1.345342	.1689406	.3896723
#3	6.124772	134.3842	.2374195	.0136613	1.962390	.1475437	.3816640

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.085507	3.592506	.1309188	.0305028	9.510758	10.46079	.0440855
Stddev	.046792	.008347	.0018544	.0005619	.023951	.13925	.0007204
%RSD	.5150170	.2323485	1.416413	1.842246	.2518272	1.331164	1.634131
#1	9.138403	3.599375	.1287787	.0299285	9.538031	10.58374	.0435369
#2	9.068597	3.594928	.1320489	.0305283	9.493149	10.48905	.0449013
#3	9.049521	3.583216	.1319287	.0310516	9.501095	10.30957	.0438182

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-05 Acquired: 12/20/2024 19:36:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28R9 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.420065	1.410319	.1146262
Stddev	.011703	.011743	.0050160
%RSD	.8241331	.8326599	4.375960
#1	1.428964	1.420100	.1185111
#2	1.406808	1.397295	.1089634
#3	1.424424	1.413562	.1164041

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1948.957	23973.09	2597.033	1650.435	1892.224
Stddev	5.459	239.79	35.119	12.660	5.277
%RSD	.2801063	1.000234	1.352282	.7670721	.2788868
#1	1954.339	23821.87	2561.468	1635.918	1898.015
#2	1943.424	24249.57	2597.943	1659.186	1887.686
#3	1949.107	23847.84	2631.688	1656.200	1890.973

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-06 Acquired: 12/20/2024 19:40:38 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0966158	-.045367	.5201552	.0504826	.0220699	79.53174
Stddev	.0042578	.000791	.0006663	.0034190	.0014682	.84243
%RSD	4.406987	1.744570	.1280916	6.772647	6.652514	1.059234
#1	.0917381	-.045938	.5208772	.0508466	.0217896	78.56853
#2	.0995888	-.044464	.5195642	.0468961	.0236580	80.13101
#3	.0985205	-.045700	.5200241	.0537050	.0207621	79.89569

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7640419	.0095593	.0044344	F 1056.072	.1838136	.1317827
Stddev	.0072045	.0001441	.0000516	10.190	.0011362	.0002549
%RSD	.9429527	1.507687	1.164607	.9648569	.6181209	.1934003
#1	.7557323	.0096505	.0044676	1044.677	.1832654	.1317270
#2	.7685408	.0096343	.0043749	1064.307	.1830555	.1320609
#3	.7678526	.0093932	.0044608	1059.231	.1851200	.1315604

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2679774	183.6350	5.122385	311.7652	.2853712	.0108494
Stddev	.0023696	2.1799	.052295	3.9303	.0010245	.0008133
%RSD	.8842677	1.187087	1.020909	1.260672	.3589870	7.496054
#1	.2654890	181.1745	5.062678	307.3279	.2865534	.0110638
#2	.2682363	185.3250	5.160053	314.8084	.2847455	.0115340
#3	.2702070	184.4056	5.144424	313.1594	.2848146	.0099504

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.024167	.2372574	.5811496	10.10178	4.396456	.1174247
Stddev	1.055795	.0070180	.0088846	.22704	.002606	.0008637
%RSD	52.15946	2.957967	1.528797	2.247521	.0592821	.7355504
#1	2.682650	.2348742	.5827901	9.86797	4.396101	.1183573
#2	.806386	.2451566	.5715591	10.32138	4.394045	.1172646
#3	2.583464	.2317413	.5890996	10.11599	4.399221	.1166522

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-06 Acquired: 12/20/2024 19:40:38 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0324998	19.61708	11.05320	.0540749	1.540296	3.112287
Stddev	.0008745	.03243	.14992	.0010953	.014287	.035111
%RSD	2.690618	.1653236	1.356315	2.025594	.9275419	1.128131
#1	.0331204	19.61218	10.90766	.0528180	1.529040	3.072362
#2	.0328794	19.65169	11.20714	.0545811	1.556369	3.138353
#3	.0314997	19.58738	11.04481	.0548255	1.535480	3.126145

Elem	Li6707
Units	ppm
Avg	.1392234
Stddev	.0025186
%RSD	1.809027
#1	.1373074
#2	.1420761
#3	.1382866

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1890.660	23404.87	2564.457	1607.380	1787.580
Stddev	.410	205.06	25.114	8.006	3.966
%RSD	.0217115	.8761357	.9793062	.4980932	.2218591
#1	1890.238	23403.94	2590.963	1604.329	1784.572
#2	1891.058	23610.40	2541.017	1616.464	1786.094
#3	1890.685	23200.29	2561.392	1601.349	1792.075

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-07 Acquired: 12/20/2024 19:44:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1081760	-.078601	.3449956	.1003813	.0408389	78.59105
Stddev	.0027582	.002760	.0038496	.0050078	.0012580	.29288
%RSD	2.549739	3.511464	1.115847	4.988813	3.080379	.3726690
#1	.1053876	-.081492	.3446021	.0985340	.0394360	78.77896
#2	.1082376	-.075995	.3413578	.0965596	.0418666	78.25358
#3	.1109029	-.078315	.3490268	.1060504	.0412141	78.74060

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7158343	.0099301	.0063639	265.4040	.4034689	.1228707
Stddev	.0039953	.0000823	.0001270	.9530	.0018669	.0006161
%RSD	.5581293	.8293359	1.994994	.3590654	.4627211	.5013904
#1	.7174559	.0099081	.0064315	266.0727	.4017267	.1230534
#2	.7112831	.0100212	.0064428	264.3128	.4032404	.1221840
#3	.7187638	.0098610	.0062175	265.8265	.4054395	.1233748

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2773412	231.7629	8.634911	71.29583	.2936457	.0157953
Stddev	.0022808	1.0364	.029830	.53541	.0010379	.0011304
%RSD	.8223722	.4471625	.3454561	.7509637	.3534359	7.156507
#1	.2753029	232.3186	8.653901	71.71891	.2930233	.0157677
#2	.2798046	230.5672	8.600530	70.69389	.2930700	.0146790
#3	.2769160	232.4029	8.650303	71.47469	.2948438	.0169392

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4046005	.2819664	.7875562	13.15851	F 11.86495	.1413714
Stddev	.3756798	.0028370	.0147701	.02523	.04185	.0042839
%RSD	92.85203	1.006140	1.875434	.1917443	.3527425	3.030248
#1	.1570727	.2808979	.7795777	13.12942	11.85998	.1381909
#2	.8368815	.2851825	.7784912	13.17170	11.82580	.1396805
#3	.2198474	.2798189	.8045997	13.17441	11.90907	.1462427

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-07 Acquired: 12/20/2024 19:44:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0359707	6.512611	9.702811	.0316875	1.124609	.6987560
Stddev	.0005378	.024453	.056258	.0028801	.010460	.0034389
%RSD	1.495096	.3754676	.5798153	9.089092	.9300950	.4921399
#1	.0353705	6.487891	9.738311	.0283815	1.133421	.7005556
#2	.0364089	6.513155	9.732177	.0330282	1.113050	.6947907
#3	.0361326	6.536788	9.637946	.0336529	1.127357	.7009215

Elem	Li6707
Units	ppm
Avg	.1223883
Stddev	.0040517
%RSD	3.310547
#1	.1268188
#2	.1214745
#3	.1188715

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2075.636	25411.38	2692.664	1758.659	2038.116
Stddev	5.569	176.53	12.997	11.249	7.439
%RSD	.2682880	.6946844	.4826847	.6396145	.3649772
#1	2074.442	25518.96	2677.874	1767.430	2040.352
#2	2081.705	25507.53	2697.857	1762.570	2044.181
#3	2070.761	25207.65	2702.263	1745.977	2029.816

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-08 Acquired: 12/20/2024 19:48:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1693728	-.208952	1.424794	.2419704	.1121870	84.49024
Stddev	.0016116	.005726	.038018	.0066539	.0018789	.71624
%RSD	.9514921	2.740574	2.668298	2.749893	1.674761	.8477228
#1	.1684763	-.202958	1.393073	.2419690	.1143564	84.35434
#2	.1712333	-.214367	1.414373	.2486250	.1111191	85.26470
#3	.1684088	-.209531	1.466935	.2353172	.1110854	83.85169

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.225645	.0169085	.0214578	413.9298	1.303474	.1317638
Stddev	.011113	.0002289	.0010636	3.6036	.009933	.0039525
%RSD	.9067359	1.353997	4.956819	.8705927	.7620113	2.999669
#1	1.224918	.0169290	.0206724	414.7443	1.310549	.1288146
#2	1.237104	.0171265	.0210328	417.0565	1.292119	.1302220
#3	1.214913	.0166700	.0226682	409.9886	1.307753	.1362548

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.086731	519.4000	17.15889	97.51479	.5893329	.0358306
Stddev	.004255	5.0715	.16386	1.25286	.0161482	.0012976
%RSD	.3915734	.9764129	.9549642	1.284791	2.740088	3.621483
#1	1.082526	518.8444	17.16272	97.58652	.5781190	.0367546
#2	1.091035	524.7265	17.32081	98.73024	.5820382	.0363900
#3	1.086634	514.6292	16.99315	96.22760	.6078415	.0343471

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.724396	.3937611	3.667088	16.83541	F 10.10574	.3264872
Stddev	.324998	.0036096	.040224	.16772	.27984	.0049601
%RSD	18.84705	.9166888	1.096884	.9962455	2.769150	1.519227
#1	1.548390	.3976614	3.706234	16.86929	9.89608	.3239293
#2	1.525362	.3930835	3.625867	16.98361	9.99763	.3322041
#3	2.099435	.3905383	3.669164	16.65334	10.42351	.3233283

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-08 Acquired: 12/20/2024 19:48:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S2 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0774693	9.410476	10.07459	.1595462	1.790167	.6982135
Stddev	.0023684	.264200	.10808	.0044822	.021883	.0072168
%RSD	3.057190	2.807507	1.072757	2.809366	1.222422	1.033610
#1	.0760822	9.217530	10.05033	.1552027	1.792089	.6986431
#2	.0761217	9.302300	10.19273	.1592807	1.811027	.7052060
#3	.0802040	9.711596	9.98070	.1641554	1.767387	.6907915

Elem	Li6707
Units	ppm
Avg	.1119727
Stddev	.0008684
%RSD	.7755055
#1	.1126622
#2	.1122582
#3	.1109975

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2006.282	24876.32	2691.390	1706.568	1978.013
Stddev	45.702	279.78	23.906	18.030	49.055
%RSD	2.277933	1.124696	.8882331	1.056492	2.480039
#1	2045.624	24679.44	2685.497	1689.892	2020.291
#2	2017.072	25196.59	2670.982	1725.700	1989.520
#3	1956.151	24752.95	2717.692	1704.112	1924.226

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-09 Acquired: 12/20/2024 19:52:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1064132	-.113526	.4090069	.1411101	.0591369	81.04091	.7430862
Stddev	.0010149	.007563	.0048586	.0173906	.0052860	5.57846	.0514305
%RSD	.9536947	6.662185	1.187903	12.32413	8.938555	6.883514	6.921203
#1	.1059320	-.120519	.4118855	.1557976	.0648428	85.98181	.7891057
#2	.1057286	-.105499	.4033973	.1219072	.0544068	74.99137	.6875687
#3	.1075792	-.114561	.4117379	.1456254	.0581610	82.14957	.7525843

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0115147	.0048827	151.8781	.6940823	.1136165	.1597327	304.8346
Stddev	.0006437	.0003576	10.4658	.0022111	.0003233	.0174901	20.8664
%RSD	5.590032	7.324269	6.890897	.3185689	.2845864	10.94958	6.845146
#1	.0120942	.0045536	161.3422	.6927754	.1137515	.1798236	323.3377
#2	.0108219	.0052632	140.6380	.6928364	.1132475	.1479068	282.2177
#3	.0116279	.0048312	153.6541	.6966353	.1138504	.1514677	308.9484

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.49359	60.26602	.2489503	.0211164	.7847066	.3534748	.5753981
Stddev	.85597	4.00780	.0015684	.0052800	.0830936	.0228011	.0085526
%RSD	6.851308	6.650186	.6299989	25.00423	10.58913	6.450567	1.486385
#1	13.24511	63.77847	.2506370	.0265139	.7732867	.3681604	.5711289
#2	11.56186	55.90029	.2475358	.0159623	.7079135	.3272074	.5852449
#3	12.67380	61.11931	.2486782	.0208730	.8729195	.3650565	.5698205

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.750144	5.461857	.1327501	.0314704	4.192726	10.35131	.0303829
Stddev	.952599	.021322	.0116624	.0002340	.005294	.67103	.0036241
%RSD	10.88667	.3903756	8.785208	.7435881	.1262780	6.482540	11.92824
#1	9.665031	5.484689	.1389134	.0316707	4.190485	10.93103	.0343152
#2	7.763852	5.442463	.1192992	.0312132	4.198772	9.61623	.0271770
#3	8.821550	5.458420	.1400376	.0315274	4.188921	10.50666	.0296564

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-09 Acquired: 12/20/2024 19:52:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.456315	-.076069	.1171722
Stddev	.101655	.005259	.0136595
%RSD	6.980258	6.913388	11.65766
#1	1.549333	-.080400	.1295457
#2	1.347803	-.070217	.1025146
#3	1.471809	-.077589	.1194561

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1983.386	24404.27	2584.705	1691.674	2056.872
Stddev	8.929	66.06	161.037	4.710	7.554
%RSD	.4501776	.2706794	6.230395	.2784033	.3672644
#1	1976.613	24479.21	2448.365	1696.261	2051.966
#2	1993.505	24379.09	2762.381	1691.911	2065.571
#3	1980.041	24354.51	2543.369	1686.851	2053.079

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-10 Acquired: 12/20/2024 19:55:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0783813	-.066090	.4224285	.0799618	.0321619	60.51920	.6032639
Stddev	.0049889	.004643	.0015563	.0070699	.0019257	.17843	.0026275
%RSD	6.364923	7.025581	.3684243	8.841626	5.987393	.2948403	.4355423
#1	.0749945	-.062943	.4235836	.0718401	.0325929	60.42683	.6022470
#2	.0841103	-.071422	.4230432	.0833062	.0338355	60.40588	.6012969
#3	.0760390	-.063903	.4206587	.0847389	.0300573	60.72488	.6062479

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0081444	.0047811	197.7338	.2641435	.0997263	.1804953	199.0801
Stddev	.0000090	.0000317	.0171	.0014638	.0006123	.0047324	.6650
%RSD	.1107138	.6628211	.0086523	.5541648	.6140127	2.621890	.3340245
#1	.0081547	.0047921	197.7255	.2629122	.0993364	.1825882	198.4727
#2	.0081401	.0048058	197.7224	.2657619	.0994103	.1750773	198.9768
#3	.0081383	.0047453	197.7535	.2637563	.1004320	.1838204	199.7906

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.939366	88.61282	.2235056	.0144008	.6584948	.1984686	.6317389
Stddev	.022652	.41554	.0008046	.0016362	1.157448	.0044142	.0093772
%RSD	.4586107	.4689345	.3599741	11.36222	175.7717	2.224143	1.484339
#1	4.930741	88.41401	.2227815	.0162866	1.545209	.1953657	.6236163
#2	4.922293	88.33403	.2243717	.0135576	-.650881	.1965180	.6295996
#3	4.965064	89.09041	.2233635	.0133581	1.081157	.2035221	.6420009

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.462208	4.049647	.0966238	.0161627	4.174956	9.164636	.0336311
Stddev	.086898	.015722	.0040960	.0003599	.014776	.022672	.0010456
%RSD	1.344715	.3882394	4.239090	2.226814	.3539079	.2473852	3.108970
#1	6.546925	4.032885	.0963978	.0164440	4.158442	9.138998	.0332845
#2	6.373281	4.064066	.0926456	.0157571	4.179501	9.182040	.0328028
#3	6.466419	4.051990	.1008282	.0162869	4.186924	9.172871	.0348060

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-10 Acquired: 12/20/2024 19:55:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.187289	.0953283	.0983849
Stddev	.003446	.0008953	.0020437
%RSD	.2902110	.9391766	2.077203
#1	1.187125	.0949943	.0992744
#2	1.183928	.0946480	.0960472
#3	1.190814	.0963426	.0998331

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1970.766	24253.00	2556.573	1684.602	2043.270
Stddev	3.209	64.95	8.385	10.053	4.839
%RSD	.1628137	.2678206	.3279949	.5967518	.2368484
#1	1972.617	24327.04	2565.937	1695.567	2046.353
#2	1972.620	24205.59	2549.758	1675.819	2045.765
#3	1967.061	24226.39	2554.023	1682.422	2037.692

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-11 Acquired: 12/20/2024 19:59:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1242967	-.133982	.4708794	.1740756	.0704163	99.46637	.7741459
Stddev	.0034656	.005485	.0039338	.0018517	.0033905	1.23765	.0088360
%RSD	2.788190	4.093848	.8354101	1.063731	4.814951	1.244287	1.141390
#1	.1282677	-.139627	.4682475	.1760345	.0739362	99.75588	.7752279
#2	.1227407	-.128673	.4754015	.1723539	.0701407	98.10963	.7648187
#3	.1218819	-.133646	.4689892	.1738385	.0671720	100.5336	.7823911

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0139003	.0058700	157.7441	.8452662	.1277047	.1743478	361.5121
Stddev	.0002755	.0000786	2.0894	.0066207	.0009705	.0027347	3.9347
%RSD	1.981654	1.338473	1.324543	.7832729	.7599340	1.568540	1.088400
#1	.0141292	.0059604	157.6759	.8507283	.1284633	.1741760	362.3208
#2	.0135946	.0058319	155.6897	.8471676	.1266111	.1717031	357.2358
#3	.0139770	.0058178	159.8668	.8379028	.1280398	.1771644	364.9796

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.91485	58.37935	.2770963	.0263556	.5966733	.4474110	.6076115
Stddev	.19004	.77606	.0017671	.0010708	.6689704	.0072095	.0032429
%RSD	1.123501	1.329348	.6377050	4.062952	112.1167	1.611371	.5337111
#1	16.94293	58.50789	.2752094	.0274208	1.368006	.4483725	.6071621
#2	16.71234	57.54705	.2773673	.0252793	.247135	.4397691	.6110557
#3	17.08930	59.08313	.2787122	.0263666	.174878	.4540915	.6046168

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.407859	6.052981	.1407979	.0300418	3.959670	10.17677	.0313712
Stddev	.168237	.023588	.0033593	.0003765	.019895	.09557	.0019895
%RSD	1.788255	.3896939	2.385902	1.253094	.5024490	.9391133	6.341939
#1	9.494157	6.043230	.1407737	.0304515	3.950615	10.26471	.0332644
#2	9.213985	6.035832	.1374508	.0299628	3.945914	10.07506	.0292976
#3	9.515435	6.079881	.1441693	.0297111	3.982483	10.19055	.0315514

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-11 Acquired: 12/20/2024 19:59:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.593656	-.089583	.1347921
Stddev	.019110	.001256	.0022420
%RSD	1.199099	1.402497	1.663312
#1	1.596290	-.089744	.1324270
#2	1.573366	-.088254	.1350629
#3	1.611312	-.090752	.1368864

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2062.543	25321.30	2663.851	1755.222	2078.221
Stddev	2.262	74.91	28.521	1.835	4.448
%RSD	.1096792	.2958250	1.070684	.1045360	.2140179
#1	2059.979	25257.95	2649.366	1753.746	2078.101
#2	2064.258	25301.97	2696.709	1754.644	2082.728
#3	2063.392	25403.98	2645.479	1757.277	2073.835

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-12 Acquired: 12/20/2024 20:03:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0958407	-.109547	.3364185	.1268756	.0529428	72.37326	.6080875
Stddev	.0014246	.004399	.0056065	.0018701	.0016686	.49899	.0036469
%RSD	1.486468	4.016052	1.666535	1.474005	3.151688	.6894619	.5997380
#1	.0960735	-.112573	.3322608	.1248191	.0510306	71.86547	.6038904
#2	.0971346	-.104500	.3427948	.1284745	.0541032	72.39137	.6098885
#3	.0943139	-.111568	.3341998	.1273331	.0536947	72.86295	.6104835

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0108588	.0036681	91.23675	.3561533	.0952848	.1631204	269.2859
Stddev	.0002526	.0002770	.74044	.0022628	.0017363	.0041925	1.3583
%RSD	2.326472	7.552883	.8115535	.6353503	1.822175	2.570157	.5044001
#1	.0105672	.0035602	90.57677	.3573804	.0938778	.1593454	268.3045
#2	.0110116	.0039829	91.09603	.3575375	.0972251	.1623833	268.7171
#3	.0109975	.0034613	92.03744	.3535420	.0947514	.1676325	270.8361

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.291818	35.51333	.1988311	.0197448	.6396222	.2571903	.4794084
Stddev	.039913	.25010	.0045169	.0008193	.2397162	.0060077	.0089895
%RSD	.6343643	.7042566	2.271703	4.149252	37.47778	2.335903	1.875127
#1	6.252078	35.22998	.1961689	.0190148	.5009086	.2515564	.4896642
#2	6.291475	35.60662	.2040463	.0195886	.9164224	.2565020	.4756678
#3	6.331902	35.70337	.1962780	.0206309	.5015357	.2635125	.4728932

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.728343	4.988681	.1182477	.0272932	3.549688	10.26897	.0252373
Stddev	.030124	.084831	.0017538	.0005016	.060719	.03711	.0003294
%RSD	.3897896	1.700467	1.483192	1.837922	1.710537	.3613953	1.305051
#1	7.756323	4.930801	.1173880	.0268400	3.503404	10.22705	.0249548
#2	7.732251	5.086058	.1202655	.0278322	3.618438	10.28227	.0251580
#3	7.696455	4.949183	.1170895	.0272073	3.527222	10.29760	.0255990

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-12 Acquired: 12/20/2024 20:03:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.185939	-.031600	.0986796
Stddev	.006095	.000607	.0003816
%RSD	.5139188	1.922029	.3866668
#1	1.179958	-.032247	.0987353
#2	1.192141	-.031042	.0982733
#3	1.185717	-.031510	.0990303

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1978.813	24416.92	2552.901	1696.866	2092.315
Stddev	37.207	81.36	10.444	11.567	38.370
%RSD	1.880262	.3332220	.4091040	.6816457	1.833833
#1	2005.053	24358.83	2564.823	1690.106	2117.273
#2	1936.232	24382.03	2545.364	1690.271	2048.133
#3	1995.154	24509.91	2548.517	1710.222	2111.538

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-13 Acquired: 12/20/2024 20:07:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1188527	-.136979	.4398295	.1604759	.0662934	87.77082	.7494581
Stddev	.0018555	.002359	.0045467	.0049901	.0006790	.35533	.0036642
%RSD	1.561142	1.722412	1.033739	3.109553	1.024245	.4048427	.4889124
#1	.1187172	-.138425	.4446359	.1642926	.0666087	88.15855	.7536305
#2	.1207722	-.138255	.4355969	.1623059	.0655140	87.46071	.7479798
#3	.1170687	-.134256	.4392557	.1548291	.0667574	87.69322	.7467639

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0133545	.0048116	103.2072	.4468013	.1133747	.1873472	328.1955
Stddev	.0003281	.0001734	.4755	.0176223	.0001027	.0021953	.9560
%RSD	2.456811	3.604683	.4606764	3.944093	.0905928	1.171786	.2912787
#1	.0135270	.0046130	103.7261	.4668839	.1134856	.1898730	329.2583
#2	.0135605	.0049329	102.7924	.4395988	.1133555	.1858984	327.9221
#3	.0129762	.0048891	103.1032	.4339211	.1132829	.1862703	327.4060

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.176334	42.23441	.2522418	.0231569	.5672968	.3080533	.6112677
Stddev	.026936	.16833	.0011544	.0004727	.3627318	.0039722	.0255456
%RSD	.3753491	.3985707	.4576631	2.041227	63.94039	1.289460	4.179118
#1	7.206792	42.41504	.2515082	.0231821	.1670761	.3098402	.6405681
#2	7.166564	42.08192	.2516447	.0226721	.8743739	.3035014	.5936695
#3	7.155646	42.20627	.2535725	.0236165	.6604404	.3108181	.5995654

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.914972	6.382939	.1402496	.0323848	4.692477	10.58909	.0319968
Stddev	.086041	.019518	.0030488	.0006664	.018990	.03289	.0017662
%RSD	.8677885	.3057874	2.173863	2.057860	.4046811	.3106404	5.519779
#1	9.993357	6.393538	.1369947	.0324038	4.695142	10.62417	.0327392
#2	9.822912	6.360414	.1407153	.0317091	4.672296	10.58419	.0299806
#3	9.928646	6.394864	.1430388	.0330415	4.709993	10.55893	.0332706

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-13 Acquired: 12/20/2024 20:07:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.303119	-.043598	.1174363
Stddev	.004491	.000372	.0007469
%RSD	.3446698	.8528067	.6360252
#1	1.306001	-.043526	.1177216
#2	1.297943	-.043267	.1179985
#3	1.305411	-.044000	.1165887

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2036.598	24927.11	2633.615	1727.810	2101.889
Stddev	7.286	776.60	6.314	52.458	4.325
%RSD	.3577717	3.115502	.2397587	3.036078	.2057804
#1	2032.462	24032.87	2639.209	1667.258	2098.641
#2	2045.011	25316.24	2634.867	1756.728	2106.798
#3	2032.320	25432.22	2626.768	1759.445	2100.228

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-14 Acquired: 12/20/2024 20:11:14 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1329248	-.169062	.4805408	.1901028	.0822300	88.94610	.8325763
Stddev	.0056175	.004186	.0044102	.0009556	.0017942	.07115	.0011856
%RSD	4.226093	2.476179	.9177547	.5026833	2.181955	.0799964	.1424045
#1	.1366863	-.173465	.4764162	.1902187	.0811201	88.86468	.8327905
#2	.1356206	-.165132	.4800166	.1890945	.0843000	88.99636	.8312982
#3	.1264675	-.168588	.4851897	.1909952	.0812700	88.97727	.8336402

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0142696	.0052845	110.6064	.4868295	.1153178	.2634264	391.8643
Stddev	.0001142	.0001622	.2210	.0029328	.0006101	.0069864	.8430
%RSD	.8005515	3.069524	.1998400	.6024328	.5290912	2.652128	.2151307
#1	.0141437	.0051925	110.7796	.4894458	.1146380	.2707117	391.8943
#2	.0143665	.0051892	110.3574	.4873834	.1154974	.2567832	391.0067
#3	.0142987	.0054718	110.6821	.4836592	.1158179	.2627843	392.6919

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.465639	44.68537	.2715380	.0287251	.4895909	.3251371	1.011232
Stddev	.006575	.17478	.0039730	.0004386	.5153264	.0074408	.006416
%RSD	.0776622	.3911440	1.463166	1.526730	105.2565	2.288498	.6344433
#1	8.458827	44.50196	.2686621	.0286195	.0278952	.3307688	1.017462
#2	8.466142	44.70412	.2698804	.0292068	.3953402	.3167018	1.004646
#3	8.471947	44.85002	.2760714	.0283490	1.045537	.3279406	1.011588

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.590782	5.877463	.1480109	.0431890	4.706879	10.45976	.0370948
Stddev	.163864	.071534	.0026891	.0005267	.052256	.04173	.0005072
%RSD	1.708552	1.217095	1.816835	1.219559	1.110198	.3989981	1.367316
#1	9.776188	5.815805	.1510456	.0430878	4.660745	10.46091	.0376795
#2	9.530782	5.860692	.1470627	.0437590	4.696266	10.50091	.0367747
#3	9.465375	5.955894	.1459243	.0427202	4.763627	10.41746	.0368300

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-14 Acquired: 12/20/2024 20:11:14 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.312013	-.160808	.1228787
Stddev	.002647	.000367	.0028154
%RSD	.2017312	.2284188	2.291219
#1	1.308992	-.160867	.1203658
#2	1.313120	-.160415	.1259214
#3	1.313926	-.161142	.1223489

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2006.027	24856.03	2590.215	1723.079	2092.796
Stddev	18.959	67.72	5.270	6.138	22.191
%RSD	.9451223	.2724437	.2034736	.3562167	1.060361
#1	2019.799	24777.84	2596.156	1716.134	2108.268
#2	2013.878	24895.71	2588.388	1727.777	2102.748
#3	1984.403	24894.55	2586.102	1725.325	2067.370

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-15 Acquired: 12/20/2024 20:15:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0983154	-.116483	.9391186	.1370089	.0584171	110.6809	.6985239
Stddev	.0007119	.001754	.0081397	.0057645	.0033972	.7279	.0029703
%RSD	.7241030	1.505597	.8667351	4.207363	5.815382	.6576353	.4252220
#1	.0982506	-.114463	.9465112	.1304415	.0546399	109.9490	.6973443
#2	.0976381	-.117619	.9303957	.1393540	.0612225	110.6890	.6963247
#3	.0990575	-.117366	.9404489	.1412312	.0593888	111.4047	.7019028

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0131202	.0108007	115.2872	.3224334	.1331870	.2229562	284.3563
Stddev	.0001911	.0003175	.7120	.0030739	.0016075	.0008328	1.8426
%RSD	1.456731	2.939742	.6176110	.9533445	1.206917	.3735236	.6479977
#1	.0132739	.0111019	114.5438	.3212224	.1344578	.2221164	282.5091
#2	.0129062	.0104691	115.3548	.3201493	.1313800	.2237818	284.3655
#3	.0131805	.0108310	115.9630	.3259283	.1337231	.2229704	286.1943

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.409678	68.04934	.3059059	.0224346	1.654925	.3112854	2.015200
Stddev	.015932	.34328	.0031749	.0004904	.825696	.0047350	.037965
%RSD	.4672597	.5044558	1.037867	2.185952	49.89325	1.521119	1.883933
#1	3.396522	67.65522	.3072746	.0218805	1.976722	.3058327	1.971610
#2	3.405120	68.28301	.3022762	.0228130	.716782	.3143606	2.032962
#3	3.427392	68.20980	.3081668	.0226102	2.271270	.3136629	2.041028

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.21808	6.383532	.2668900	.0284162	11.06728	10.46280	.0261988
Stddev	.25988	.078233	.0027202	.0006803	.12118	.08916	.0013832
%RSD	1.602432	1.225539	1.019213	2.394037	1.094909	.8521202	5.279730
#1	15.99950	6.421263	.2637584	.0290965	11.10962	10.49246	.0273751
#2	16.14930	6.293584	.2686660	.0277360	10.93061	10.36260	.0246749
#3	16.50543	6.435748	.2682457	.0284162	11.16160	10.53335	.0265465

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-15 Acquired: 12/20/2024 20:15:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S9 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.199126	.2339394	.1801645
Stddev	.006630	.0012516	.0017710
%RSD	.5528742	.5349953	.9830083
#1	1.193170	.2326294	.1785765
#2	1.197938	.2340658	.1798426
#3	1.206269	.2351230	.1820744

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2020.143	25040.19	2572.994	1728.969	2097.730
Stddev	13.841	181.02	5.735	21.618	19.341
%RSD	.6851645	.7229311	.2228871	1.250312	.9219757
#1	2010.242	25236.76	2571.285	1753.773	2084.027
#2	2035.959	25003.47	2579.389	1718.999	2119.853
#3	2014.228	24880.34	2568.308	1714.136	2089.309

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-16 Acquired: 12/20/2024 20:18:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28T0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1386771	-.109932	.4323072	.1275616	.0505354	78.59390	.5436418
Stddev	.0045480	.002175	.0032907	.0064109	.0003540	.51151	.0042134
%RSD	3.279574	1.978223	.7611964	5.025764	.7004561	.6508301	.7750228
#1	.1334640	-.111552	.4296947	.1301893	.0503178	78.01427	.5388225
#2	.1407341	-.110785	.4360030	.1322412	.0503445	78.98204	.5454743
#3	.1418332	-.107461	.4312240	.1202542	.0509438	78.78538	.5466286

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0105104	.0068338	77.64142	.2330189	.1094020	.1545997	265.4972
Stddev	.0000466	.0000889	.30500	.0087039	.0001502	.0054237	2.0738
%RSD	.4430278	1.300722	.3928270	3.735289	.1373295	3.508257	.7811174
#1	.0104645	.0069175	77.29139	.2283648	.1092673	.1510860	263.1981
#2	.0105576	.0067405	77.78286	.2276315	.1093746	.1608462	267.2267
#3	.0105092	.0068433	77.85003	.2430604	.1095640	.1518667	266.0669

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.695024	43.37746	.2137116	.0209535	.5047766	.2386770	1.879054
Stddev	.023760	.22318	.0012006	.0025693	.1808685	.0033303	.059121
%RSD	.6430390	.5145046	.5617770	12.26190	35.83138	1.395311	3.146321
#1	3.667827	43.16303	.2127837	.0225453	.3732895	.2408953	1.838880
#2	3.711752	43.60846	.2132835	.0223257	.7110433	.2402883	1.851342
#3	3.705494	43.36088	.2150676	.0179894	.4299970	.2348475	1.946941

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.14025	4.281168	.1863900	.0205120	5.227457	9.669826	.0215360
Stddev	.13832	.000812	.0046219	.0004609	.023192	.086165	.0007177
%RSD	1.241659	.0189555	2.479677	2.247046	.4436662	.8910705	3.332514
#1	11.09669	4.281617	.1810800	.0204114	5.201865	9.591549	.0217038
#2	11.29511	4.281655	.1895085	.0201097	5.247084	9.655776	.0221548
#3	11.02895	4.280231	.1885814	.0210149	5.233422	9.762152	.0207492

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-16 Acquired: 12/20/2024 20:18:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28T0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.096106	.1234436	.1506142
Stddev	.013164	.0008060	.0055354
%RSD	1.200978	.6529514	3.675195
#1	1.081090	.1225155	.1450575
#2	1.101568	.1239679	.1561280
#3	1.105659	.1238475	.1506571

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1944.435	23441.42	2474.776	1624.269	2115.462
Stddev	3.088	661.88	15.117	47.330	1.729
%RSD	.1588345	2.823564	.6108255	2.913952	.0817499
#1	1946.454	23884.29	2492.227	1656.244	2116.365
#2	1945.971	23759.41	2465.746	1646.666	2116.553
#3	1940.880	22680.55	2466.354	1569.897	2113.468

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-17 Acquired: 12/20/2024 20:22:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28T1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3173129	-.917409	6.537132	1.045265	.5007129	47.45368
Stddev	.0077864	.009994	.008663	.000453	.0030443	.13848
%RSD	2.453851	1.089326	.1325265	.0433590	.6080013	.2918180
#1	.3084620	-.916212	6.538542	1.045703	.4996524	47.47293
#2	.3203691	-.927948	6.527850	1.044798	.5041456	47.58152
#3	.3231075	-.908069	6.545004	1.045295	.4983406	47.30658

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7850386	.0403654	.0562618	662.4751	5.893802	.1550127
Stddev	.0035784	.0003676	.0002746	2.8491	.022309	.0004695
%RSD	.4558232	.9107832	.4881435	.4300723	.3785149	.3028495
#1	.7890770	.0407627	.0562486	663.1207	5.919538	.1546222
#2	.7837762	.0402966	.0559940	664.9460	5.879971	.1548822
#3	.7822625	.0400371	.0565428	659.3585	5.881896	.1555335

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4212872	F 2103.761	F 94.18063	103.1537	2.196768	.1829941
Stddev	.0038042	6.696	.23236	.2429	.003351	.0037997
%RSD	.9029896	.3183057	.2467171	.2354291	.1525543	2.076385
#1	.4184041	2101.776	94.17788	102.9121	2.194573	.1812620
#2	.4255989	2111.225	94.41435	103.3978	2.195105	.1873512
#3	.4198587	2098.281	93.94966	103.1513	2.200625	.1803692

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.446345	1.047574	19.05873	2.559875	8.784684	.4542004
Stddev	.649323	.011787	.11439	.062324	.011316	.0067114
%RSD	14.60353	1.125133	.6002212	2.434655	.1288206	1.477627
#1	3.790662	1.043077	18.96818	2.622897	8.792337	.4476039
#2	5.089116	1.060947	19.02071	2.498273	8.771685	.4539762
#3	4.459256	1.038699	19.18729	2.558455	8.790031	.4610210

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-17 Acquired: 12/20/2024 20:22:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28T1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1102959	5.786013	8.695505	.2323351	4.697475	F -1.35298
Stddev	.0002819	.011298	.026582	.0015717	.009840	.00399
%RSD	.2556034	.1952691	.3056979	.6764570	.2094795	.2952185
#1	.1099704	5.773876	8.715617	.2339123	4.691345	-1.35075
#2	.1104652	5.796226	8.705529	.2323240	4.708825	-1.35759
#3	.1104519	5.787938	8.665368	.2307691	4.692253	-1.35059

Elem	Li6707
Units	ppm
Avg	.3563186
Stddev	.0026910
%RSD	.7552235
#1	.3586711
#2	.3569003
#3	.3533843

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1709.792	21736.04	2375.312	1446.458	2023.169
Stddev	6.548	71.28	5.964	7.875	5.362
%RSD	.3829706	.3279152	.2510872	.5444632	.2650482
#1	1716.366	21664.78	2370.349	1446.204	2027.088
#2	1709.740	21807.33	2373.658	1454.457	2025.361
#3	1703.270	21736.02	2381.928	1438.712	2017.058

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-18 Acquired: 12/20/2024 20:26:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28T2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0741781	-.059986	.1935924	.0787755	.0257502	85.23947	.6782171
Stddev	.0013788	.001140	.0008695	.0031322	.0005936	.46417	.0030573
%RSD	1.858805	1.900193	.4491673	3.976127	2.305367	.5445477	.4507888
#1	.0746922	-.061271	.1935191	.0754115	.0257312	85.48987	.6816727
#2	.0726161	-.059098	.1927618	.0816080	.0251663	84.70387	.6758639
#3	.0752260	-.059588	.1944963	.0793069	.0263531	85.52467	.6771146

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0094367	.0038564	144.8485	.3096350	.0990525	.1631993	183.9670
Stddev	.0000345	.0001116	.7491	.0010145	.0004549	.0017177	.8220
%RSD	.3659416	2.893092	.5171954	.3276572	.4592080	1.052536	.4468288
#1	.0094288	.0037284	145.2504	.3108019	.0995056	.1626576	184.6255
#2	.0094067	.0039332	143.9842	.3091413	.0985959	.1651225	183.0457
#3	.0094745	.0039074	145.3110	.3089618	.0990559	.1618176	184.2298

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.925493	59.56792	.2223341	.0129170	.6235726	.2514034	.6011505
Stddev	.016045	.23383	.0012301	.0003510	1.001282	.0052525	.0049772
%RSD	.4087407	.3925509	.5532797	2.717098	160.5718	2.089290	.8279478
#1	3.940147	59.73556	.2218676	.0130984	-.519688	.2461594	.6023148
#2	3.908348	59.30079	.2214054	.0125125	1.045934	.2513865	.6054423
#3	3.927982	59.66740	.2237292	.0131402	1.344472	.2566644	.5956943

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.005973	4.908766	.0886009	.0173595	3.310218	10.12831	.0130416
Stddev	.135782	.006748	.0021434	.0003684	.006105	.15974	.0016931
%RSD	1.507686	.1374746	2.419224	2.122486	.1844218	1.577132	12.98222
#1	9.144588	4.901924	.0861938	.0171944	3.317016	10.29310	.0137980
#2	8.873214	4.915416	.0893055	.0171025	3.308436	9.97416	.0142246
#3	9.000118	4.908959	.0903033	.0177816	3.305203	10.11765	.0111022

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-18 Acquired: 12/20/2024 20:26:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28T2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9748665	.5412607	.1347103
Stddev	.0011055	.0019432	.0033953
%RSD	.1133972	.3590219	2.520463
#1	.9760844	.5430491	.1386281
#2	.9739266	.5391928	.1326238
#3	.9745884	.5415401	.1328789

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2007.820	24650.53	2596.394	1708.535	2057.505
Stddev	3.030	35.25	20.472	3.924	2.613
%RSD	.1508863	.1430060	.7884890	.2296792	.1270132
#1	2006.769	24678.89	2582.128	1712.946	2057.402
#2	2011.235	24611.06	2619.851	1707.228	2060.169
#3	2005.456	24661.64	2587.203	1705.432	2054.945

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV082 Acquired: 12/20/2024 20:30:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV082 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.787581	4.759265	24.16313	4.768126	4.803623	402.7495	10.06096
Stddev	.007576	.006880	.03522	.009956	.005889	.7922	.00506
%RSD	.1582452	.1445513	.1457720	.2087992	.1226003	.1966857	.0502708
#1	4.794007	4.765593	24.13250	4.757818	4.797122	402.3210	10.06463
#2	4.789509	4.751942	24.15528	4.777688	4.808601	402.2640	10.05519
#3	4.779227	4.760261	24.20162	4.768871	4.805147	403.6636	10.06305

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5071467	2.428325	402.8537	15.29018	2.445195	15.04218	409.0547
Stddev	.0014574	.004233	1.3291	.05344	.004364	.02829	1.1712
%RSD	.2873778	.1743163	.3299202	.3495170	.1784542	.1880427	.2863173
#1	.5054645	2.427281	403.1121	15.28502	2.442066	15.04225	408.8346
#2	.5080297	2.424712	401.4144	15.23951	2.443339	15.01386	408.0091
#3	.5079459	2.432983	404.0347	15.34602	2.450180	15.07043	410.3203

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.98870	404.6338	2.459195	1.283183	406.2870	2.502132	14.12957
Stddev	.02518	1.0522	.004839	.007370	1.2040	.000440	.09094
%RSD	.1680066	.2600478	.1967627	.5743276	.2963403	.0175883	.6435878
#1	14.96383	403.8784	2.456909	1.278909	406.5297	2.501737	14.15896
#2	14.98810	404.1875	2.455921	1.278947	404.9801	2.502606	14.02757
#3	15.01418	405.8357	2.464753	1.291693	407.3511	2.502054	14.20217

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	151.3892	4.850791	4.926079	4.742393	4.835763	4.925004	4.858787
Stddev	.2417	.016072	.019371	.007311	.022157	.007161	.007440
%RSD	.1596415	.3313335	.3932308	.1541576	.4581995	.1454004	.1531158
#1	151.5103	4.857716	4.907478	4.735957	4.820491	4.919853	4.854002
#2	151.1109	4.832417	4.946137	4.740880	4.825622	4.921978	4.855001
#3	151.5464	4.862239	4.924622	4.750342	4.861176	4.933181	4.867358

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV082 Acquired: 12/20/2024 20:30:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV082 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.004812	4.772535	5.107992
Stddev	.003458	.009161	.006055
%RSD	.0690936	.1919572	.1185327
#1	5.002677	4.763793	5.111363
#2	5.002958	4.771746	5.101002
#3	5.008802	4.782064	5.111611

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1518.207	20161.24	2208.054	1278.512	1748.285
Stddev	.895	96.56	5.098	6.936	3.507
%RSD	.0589287	.4789505	.2308805	.5424943	.2006098
#1	1518.778	20176.79	2213.155	1276.700	1747.726
#2	1518.668	20249.09	2208.048	1286.174	1752.038
#3	1517.176	20057.85	2202.959	1272.661	1745.090

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCB082 Acquired: 12/20/2024 20:33:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB082 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000500	.0011054	.0045187	-.001214	-.001996	.0282860	-.000711
Stddev	.001235	.0010011	.0004168	.001357	.001317	.0194448	.000869
%RSD	247.0362	90.55967	9.223630	111.7455	66.01686	68.74353	122.2306
#1	.000816	.0019823	.0043603	.000091	-.000838	.0324474	-.000585
#2	-.001633	.0013194	.0049915	-.002617	-.003429	.0453131	.000088
#3	-.000683	.0000147	.0042044	-.001117	-.001719	.0070974	-.001635

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000180	.0002982	.0382883	.0003763	-.000011	.0028268	.0143311
Stddev	.0001137	.0000665	.0255772	.0003004	.000237	.0045831	.0473547
%RSD	631.2398	22.28671	66.80163	79.82536	2125.969	162.1330	330.4320
#1	.0001445	.0002393	.0206294	.0007231	.000002	.0064592	.0613155
#2	-.000076	.0003702	.0676194	.0001956	.000219	.0043436	-.033385
#3	-.000015	.0002849	.0266161	.0002103	-.000254	-.002322	.015063

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000022	.0894161	.0006118	.0005903	-.407524	.0006971	-.001300
Stddev	.001952	.0720033	.0006465	.0014267	.551806	.0063247	.005828
%RSD	9064.342	80.52604	105.6780	241.6896	135.4044	907.2392	448.4423
#1	.000134	.1525232	.0010643	.0010357	-.982871	-.001420	-.000297
#2	.001849	.1047411	-.000129	-.001006	.117259	-.004298	-.007564
#3	-.002047	.0109841	.000900	.001741	-.356961	.007809	.003963

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.195977	-.003080	.0152585	.0000143	-.005968	-.000701	-.011993
Stddev	.321631	.002226	.0036571	.0007874	.001835	.000149	.000694
%RSD	164.1170	72.28524	23.96779	5505.332	30.74537	21.31427	5.786178
#1	.082764	-.002170	.0194794	.0006371	-.004215	-.000590	-.011588
#2	-.547890	-.005617	.0132624	.0002765	-.007875	-.000870	-.012794
#3	-.122804	-.001452	.0130339	-.000871	-.005814	-.000642	-.011597

Reviewed By:Jaswal
On:12/23/2024
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Inst Id :P5

Sample Name: CCB082 Acquired: 12/20/2024 20:33:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB082 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0017696	.0002383	.0179955
Stddev	.0012616	.0000714	.0030074
%RSD	71.29190	29.97442	16.71170
#1	.0020256	.0001642	.0194888
#2	.0003997	.0002439	.0145337
#3	.0028835	.0003067	.0199639

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1831.436	22668.44	2308.574	1561.629	2162.137
Stddev	3.840	126.48	16.473	10.617	6.108
%RSD	.2096930	.5579603	.7135608	.6798360	.2824853
#1	1828.986	22774.10	2290.044	1567.944	2161.824
#2	1835.862	22702.92	2314.116	1567.570	2168.396
#3	1829.459	22528.29	2321.561	1549.372	2156.192

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-19 Acquired: 12/20/2024 20:37:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28T3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2005393	-.444026	3.431482	.5089567	.2392255	76.41443
Stddev	.0013901	.000524	.029421	.0058560	.0015624	.27936
%RSD	.6931639	.1180618	.8573971	1.150582	.6531069	.3655818
#1	.1994285	-.443518	3.399777	.5126290	.2376421	76.62243
#2	.2000914	-.443995	3.457904	.5120376	.2407660	76.52396
#3	.2020981	-.444565	3.436765	.5022034	.2392683	76.09691

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.046111	.0264670	.0362043	665.7509	3.126197	.1348545
Stddev	.002406	.0004134	.0003540	1.6490	.019705	.0013617
%RSD	.2300079	1.561875	.9776676	.2476853	.6303049	1.009730
#1	1.046758	.0261413	.0357966	667.5492	3.113690	.1332844
#2	1.048127	.0269320	.0363835	665.3934	3.148911	.1355672
#3	1.043447	.0263275	.0364329	664.3100	3.115990	.1357119

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4152778	F 1055.166	F 39.15704	106.9835	1.385178	.0819907
Stddev	.0037164	4.737	.18636	.4244	.012841	.0014842
%RSD	.8949200	.4488924	.4759247	.3967113	.9270552	1.810237
#1	.4112382	1059.385	39.32169	107.3385	1.370715	.0836780
#2	.4160435	1056.069	39.19471	107.0985	1.395238	.0814075
#3	.4185518	1050.043	38.95472	106.5134	1.389582	.0808867

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.692603	.5885118	12.57514	10.94923	6.582133	.4045630
Stddev	.810935	.0033978	.02077	.00132	.054565	.0092793
%RSD	21.96106	.5773536	.1652053	.0120998	.8289893	2.293652
#1	4.022485	.5915148	12.55174	10.94960	6.527341	.4047221
#2	4.286607	.5891971	12.58225	10.94776	6.636468	.3952052
#3	2.768716	.5848236	12.59142	10.95034	6.582591	.4137617

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-19 Acquired: 12/20/2024 20:37:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28T3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0670305	10.78031	8.790307	.1509966	2.723864	.4841068
Stddev	.0012995	.07947	.109321	.0005687	.003450	.0021287
%RSD	1.938600	.7371660	1.243653	.3766190	.1266594	.4397182
#1	.0656300	10.69177	8.823873	.1508994	2.725830	.4848058
#2	.0681972	10.84546	8.878910	.1504828	2.725883	.4857981
#3	.0672642	10.80369	8.668139	.1516077	2.719881	.4817165

Elem	Li6707
Units	ppm
Avg	.1196534
Stddev	.0010787
%RSD	.9015430
#1	.1205783
#2	.1184684
#3	.1199135

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1830.300	22888.70	2491.957	1551.133	1970.229
Stddev	13.652	111.08	15.145	6.020	15.998
%RSD	.7458663	.4853064	.6077537	.3880978	.8119842
#1	1843.678	23016.81	2485.293	1558.080	1985.836
#2	1816.390	22830.18	2481.286	1547.870	1953.867
#3	1830.833	22819.12	2509.291	1547.450	1970.985

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-20 Acquired: 12/20/2024 20:41:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S7D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1030405	-.115609	.3604075	.1471539	.0610531	80.47697	.6695823
Stddev	.0048912	.003027	.0009448	.0040308	.0004781	.42417	.0023188
%RSD	4.746868	2.618187	.2621576	2.739194	.7831755	.5270735	.3463012
#1	.1066480	-.113786	.3593618	.1469052	.0605028	80.12625	.6684658
#2	.1050001	-.119103	.3606608	.1513033	.0612900	80.94842	.6722481
#3	.0974733	-.113939	.3611999	.1432531	.0613666	80.35624	.6680331

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0118792	.0040957	122.0843	.4803239	.1112099	.1651377	306.5612
Stddev	.0001719	.0001002	.6670	.0026017	.0004141	.0061503	1.5108
%RSD	1.447254	2.445793	.5463660	.5416593	.3723744	3.724356	.4928131
#1	.0120242	.0039801	121.6173	.4791682	.1108544	.1631726	304.9063
#2	.0116893	.0041554	122.8483	.4785002	.1111107	.1602101	307.8667
#3	.0119242	.0041518	121.7874	.4833032	.1116646	.1720304	306.9106

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.199770	39.12000	.2334670	.0198135	.7222322	.3042801	.5696304
Stddev	.013592	.15051	.0014429	.0007186	.6922205	.0070384	.0068484
%RSD	.1477439	.3847502	.6180170	3.626861	95.84460	2.313123	1.202247
#1	9.184797	38.95084	.2320896	.0197940	.3477749	.3039405	.5772475
#2	9.211330	39.23913	.2349674	.0205416	.2979009	.3114820	.5676616
#3	9.203184	39.17002	.2333440	.0191048	1.521021	.2974176	.5639821

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.003098	4.979242	.1291524	.0308603	3.488053	10.53718	.0262805
Stddev	.042648	.023680	.0035647	.0009409	.015286	.03879	.0009662
%RSD	.4737084	.4755690	2.760094	3.049001	.4382259	.3680808	3.676383
#1	8.955892	4.952197	.1265065	.0297738	3.471427	10.57779	.0272504
#2	9.014555	4.996250	.1332061	.0314028	3.501497	10.50052	.0253181
#3	9.038848	4.989279	.1277447	.0314043	3.491235	10.53322	.0262730

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-20 Acquired: 12/20/2024 20:41:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S7D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.313091	-.053520	.1097672
Stddev	.006632	.000596	.0053704
%RSD	.5050561	1.113005	4.892514
#1	1.316914	-.052970	.1127901
#2	1.316925	-.054153	.1129449
#3	1.305433	-.053436	.1035667

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2007.940	24792.63	2596.956	1713.580	2094.981
Stddev	4.053	59.73	4.541	4.813	5.512
%RSD	.2018356	.2409273	.1748467	.2808826	.2630971
#1	2008.402	24847.25	2595.895	1716.209	2098.108
#2	2003.676	24801.80	2593.039	1708.025	2088.617
#3	2011.742	24728.85	2601.933	1716.507	2098.218

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-13LX5 Acquired: 12/20/2024 20:45:37 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S7L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0237060	-.023548	.0756269	.0302590	.0070925	17.57575	.1467708
Stddev	.0009349	.000794	.0026094	.0027974	.0020764	.12174	.0014833
%RSD	3.943735	3.372174	3.450329	9.244862	29.27567	.6926838	1.010608
#1	.0238737	-.022694	.0762614	.0274154	.0048081	17.53253	.1471396
#2	.0226985	-.024264	.0778606	.0303538	.0076041	17.48151	.1451379
#3	.0245456	-.023687	.0727588	.0330078	.0088652	17.71321	.1480349

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026318	.0009450	27.05968	.1052861	.0308144	.0348732	68.04789
Stddev	.0001003	.0000512	.18641	.0003606	.0001613	.0008601	.37734
%RSD	3.809556	5.415982	.6888775	.3425334	.5234280	2.466489	.5545170
#1	.0027430	.0009077	27.01882	.1048939	.0307727	.0355032	67.95706
#2	.0026039	.0010033	26.89709	.1056033	.0309924	.0352232	67.72426
#3	.0025484	.0009239	27.26313	.1053611	.0306780	.0338933	68.46236

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.050583	8.673621	.0458056	.0048090	.1293654	.0621741	.1335496
Stddev	.013790	.066022	.0004362	.0012126	.2446726	.0055031	.0129918
%RSD	.6724745	.7611814	.9523392	25.21527	189.1330	8.851116	9.728071
#1	2.045579	8.613960	.0453195	.0062086	-.021643	.0611838	.1425305
#2	2.039994	8.662351	.0459344	.0040726	.411659	.0681050	.1186527
#3	2.066176	8.744553	.0461630	.0041458	-.001920	.0572333	.1394656

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.642588	1.012715	.0266877	.0065870	.7066082	2.392569	-.004608
Stddev	.069828	.002628	.0021824	.0001881	.0020311	.030552	.000396
%RSD	4.251086	.2595424	8.177477	2.855459	.2874368	1.276943	8.605047
#1	1.568633	1.009714	.0249247	.0067516	.7086364	2.419056	-.004573
#2	1.651747	1.014612	.0291286	.0066273	.7045743	2.359145	-.004230
#3	1.707384	1.013818	.0260099	.0063820	.7066138	2.399505	-.005020

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-13LX5 Acquired: 12/20/2024 20:45:37 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S7L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2895757	-.012482	.0282135
Stddev	.0006534	.000474	.0036547
%RSD	.2256401	3.797852	12.95385
#1	.2903266	-.012432	.0282367
#2	.2892641	-.012979	.0318565
#3	.2891364	-.012035	.0245472

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1891.568	23324.75	2400.799	1616.878	2152.119
Stddev	7.918	93.74	19.755	10.750	9.816
%RSD	.4186126	.4018823	.8228584	.6648840	.4561315
#1	1892.988	23430.08	2394.512	1628.494	2156.574
#2	1883.036	23293.71	2422.932	1614.862	2140.865
#3	1898.680	23250.48	2384.952	1607.279	2158.918

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-21 Acquired: 12/20/2024 20:49:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S7S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1917238	-.033174	.3961364	.3007834	.2169515	83.16300	4.376580
Stddev	.0032628	.002013	.0009369	.0042718	.0025098	.29580	.013073
%RSD	1.701816	6.068190	.2365020	1.420234	1.156842	.3556928	.2986936
#1	.1889609	-.033262	.3971658	.2983579	.2176618	83.42514	4.389489
#2	.1953235	-.031119	.3959095	.3057159	.2141631	83.22157	4.376903
#3	.1908871	-.035142	.3953337	.2982765	.2190295	82.84229	4.363350

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1032669	.1002184	121.1267	.8732121	1.079353	.6066655	305.8140
Stddev	.0004522	.0000760	.4439	.0024848	.002351	.0119594	.7580
%RSD	.4378921	.0757874	.3664415	.2845632	.2178292	1.971336	.2478719
#1	.1035587	.1002370	121.5660	.8734090	1.080909	.5937710	306.6282
#2	.1034960	.1002832	121.1356	.8755927	1.076649	.6088317	305.6854
#3	.1027460	.1001348	120.6784	.8706347	1.080503	.6173937	305.1286

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.06085	38.67287	1.226393	.0883544	.4511409	1.253074	1.335375
Stddev	.03350	.22907	.003095	.0014430	.2151622	.008550	.011096
%RSD	.3329906	.5923347	.2523259	1.633186	47.69290	.6823514	.8309325
#1	10.09923	38.93734	1.229631	.0878720	.3899307	1.261357	1.337721
#2	10.04583	38.53666	1.223465	.0899768	.2732160	1.253585	1.323294
#3	10.03749	38.54461	1.226084	.0872145	.6902760	1.244279	1.345111

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.012810	4.919674	.1214543	.0298049	3.429934	10.53105	.0258845
Stddev	.035122	.006784	.0035405	.0001739	.001767	.06863	.0008008
%RSD	.3896910	.1378982	2.915082	.5833264	.0515191	.6516957	3.093578
#1	9.035790	4.922943	.1248456	.0296131	3.429798	10.58494	.0267190
#2	9.030260	4.911874	.1217359	.0299522	3.428239	10.55444	.0251223
#3	8.972380	4.924205	.1177815	.0298493	3.431765	10.45379	.0258123

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5233-21 Acquired: 12/20/2024 20:49:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S7S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.308452	-.054974	.1080877
Stddev	.010796	.000648	.0042840
%RSD	.8251161	1.179132	3.963443
#1	1.320625	-.054230	.1124148
#2	1.300036	-.055417	.1080002
#3	1.304696	-.055274	.1038482

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2005.832	24667.40	2589.531	1712.506	2096.393
Stddev	8.524	44.50	19.494	4.157	8.466
%RSD	.4249525	.1804059	.7528147	.2427495	.4038191
#1	1996.306	24625.36	2570.845	1708.209	2086.844
#2	2008.452	24662.84	2588.004	1712.802	2099.359
#3	2012.738	24714.01	2609.744	1716.507	2102.977

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165605BL Acquired: 12/20/2024 20:53:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS605 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040720	.0005061	-.000188	.0008773	-.002024	-.013944
Stddev	.0007295	.0012692	.002339	.0020216	.000847	.015717
%RSD	17.91379	250.7626	1245.671	230.4223	41.82916	112.7120
#1	.0035426	.0019618	-.002812	.0016671	-.002887	-.022046
#2	.0049041	-.000074	.001678	.0023848	-.001194	-.023957
#3	.0037694	-.000369	.000570	-.001420	-.001991	.004170

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001297	.0000790	.0000654	-.012325	-.000212	-.000023
Stddev	.001210	.0001242	.0000803	.015934	.000425	.000317
%RSD	93.27877	157.1217	122.8165	129.2804	200.8903	1376.639
#1	-.002522	.0000609	.0000933	-.027598	-.000413	-.000218
#2	-.000103	.0002113	-.000025	-.013576	-.000499	-.000194
#3	-.001265	-.000035	.000128	.004197	.000277	.000343

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002312	.0233911	-.000647	-.002997	.0005571	-.000009
Stddev	.005194	.0159261	.000949	.062110	.0003768	.000193
%RSD	224.6278	68.08626	146.8076	2072.419	67.62400	2258.431
#1	-.003171	.0055954	-.000142	.049829	.0009054	-.000093
#2	-.007023	.0363048	-.000057	-.071419	.0006088	-.000145
#3	.003258	.0282730	-.001741	.012600	.0001572	.000212

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.385776	-.003909	-.001578	-.305745	-.005071	-.001013
Stddev	.969677	.014329	.003175	.065187	.002808	.002365
%RSD	251.3576	366.5360	201.1434	21.32079	55.38497	233.4934
#1	.384192	-.019480	-.004606	-.270829	-.002211	-.001821
#2	-1.47477	-.000972	.001726	-.265453	-.007825	.001650
#3	-.06675	.008723	-.001855	-.380953	-.005176	-.002868

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165605BL Acquired: 12/20/2024 20:53:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS605 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002017	-.002673	-.000571	F -.013091	.0010863	-.000242
Stddev	.0004870	.001426	.000695	.001450	.0014247	.000181
%RSD	241.4790	53.34183	121.7499	11.07680	131.1513	74.71838
#1	-.000076	-.001046	.000034	-.013645	.0023318	-.000103
#2	-.000083	-.003264	-.001331	-.014183	.0013943	-.000447
#3	.000764	-.003707	-.000417	-.011446	-.000467	-.000177

Elem	Li6707
Units	ppm
Avg	-.000227
Stddev	.005091
%RSD	2245.358
#1	.004313
#2	-.005732
#3	.000739

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1848.787	22825.10	2348.983	1571.176	2169.617
Stddev	23.552	182.37	16.775	15.336	24.255
%RSD	1.273896	.7989738	.7141529	.9760570	1.117961
#1	1821.694	23016.77	2350.367	1583.683	2141.615
#2	1860.295	22653.74	2365.024	1554.066	2183.131
#3	1864.371	22804.80	2331.559	1575.779	2184.106

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165605BS Acquired: 12/20/2024 20:57:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS605 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0227316	.0523258	.0190673	.0606704	.1033338	.4178619
Stddev	.0025709	.0031068	.0015907	.0032126	.0043495	.0111010
%RSD	11.30967	5.937403	8.342672	5.295155	4.209174	2.656632
#1	.0256811	.0488487	.0206111	.0620649	.0984077	.4166138
#2	.0215479	.0548288	.0174335	.0629501	.1066443	.4074377
#3	.0209659	.0533000	.0191571	.0569962	.1049494	.4295343

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4180015	.0108465	.0100487	10.27448	.0213204	.1022504
Stddev	.0013828	.0000353	.0000932	.04335	.0003358	.0004965
%RSD	.3308065	.3259288	.9279169	.4219040	1.574846	.4855650
#1	.4172615	.0108297	.0099412	10.23033	.0211677	.1017328
#2	.4195968	.0108227	.0101074	10.31698	.0217054	.1027227
#3	.4171462	.0108871	.0100976	10.27615	.0210881	.1022956

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0559512	.1859048	.0325999	10.58342	.0803838	.0205042
Stddev	.0075915	.0340186	.0005920	.11603	.0006384	.0011752
%RSD	13.56800	18.29892	1.816087	1.096338	.7941703	5.731564
#1	.0523750	.2199773	.0332818	10.45056	.0804159	.0203838
#2	.0508083	.1857967	.0323008	10.66483	.0797299	.0217349
#3	.0646703	.1519404	.0322170	10.63486	.0810055	.0193938

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.26144	.1046276	.1184108	9.507846	.0142183	F -.002914
Stddev	.61194	.0053713	.0084720	.215870	.0026212	.001920
%RSD	5.963447	5.133771	7.154735	2.270438	18.43558	65.89793
#1	9.56518	.1091107	.1266372	9.522296	.0129192	-.000749
#2	10.71388	.0986742	.1097129	9.285114	.0172353	-.003581
#3	10.50525	.1060979	.1188822	9.716127	.0125003	-.004411

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165605BS Acquired: 12/20/2024 20:57:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS605 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0190823	.1779442	F .4982877	F .0000732	.2072371	.2139839
Stddev	.0006305	.0070723	.0032093	.0001829	.0038742	.0005713
%RSD	3.304144	3.974439	.6440623	249.7449	1.869461	.2669840
#1	.0189639	.1708495	.5004967	.0002525	.2030957	.2134643
#2	.0185193	.1849939	.4997601	.0000804	.2107728	.2138918
#3	.0197635	.1779893	.4946065	-.000113	.2078427	.2145957

Elem	Li6707
Units	ppm
Avg	.0353267
Stddev	.0010434
%RSD	2.953535
#1	.0349145
#2	.0365132
#3	.0345523

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1850.628	22314.05	2322.997	1549.128	2164.637
Stddev	5.069	624.17	4.227	40.674	8.915
%RSD	.2738806	2.797227	.1819667	2.625584	.4118619
#1	1853.176	22709.48	2319.509	1566.589	2170.034
#2	1844.791	21594.49	2321.785	1502.639	2154.346
#3	1853.916	22638.17	2327.698	1578.156	2169.530

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-01 Acquired: 12/20/2024 21:01:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJQ0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1030348	-.060015	1.020331	.0765731	.0274420	90.78031
Stddev	.0057594	.003320	.004019	.0009577	.0005068	.82349
%RSD	5.589767	5.531497	.3938744	1.250742	1.846663	.9071229
#1	.0968019	-.056446	1.019636	.0765134	.0269176	90.15244
#2	.1081597	-.060588	1.016705	.0756467	.0274792	90.47580
#3	.1041428	-.063011	1.024652	.0775593	.0279291	91.71268

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.222009	.0090048	.0117886	63.84150	.1646998	.1132331
Stddev	.009163	.0000387	.0001818	.58597	.0007737	.0006869
%RSD	.7498400	.4296122	1.542125	.9178517	.4697429	.6066605
#1	1.215076	.0090495	.0117827	63.53391	.1646525	.1126470
#2	1.218552	.0089815	.0116098	63.47338	.1654960	.1130633
#3	1.232397	.0089834	.0119732	64.51722	.1639509	.1139890

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2458077	162.9729	5.623143	30.33374	.2511244	.0139639
Stddev	.0046888	1.4877	.046564	.21803	.0015154	.0008700
%RSD	1.907517	.9128320	.8280832	.7187619	.6034582	6.230586
#1	.2430834	162.2872	5.597207	30.16952	.2510106	.0134938
#2	.2431178	161.9518	5.595321	30.25060	.2496691	.0134301
#3	.2512218	164.6798	5.676900	30.58111	.2526936	.0149678

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1049088	.1706662	1.824911	12.12551	F 17.05049	.1113723
Stddev	.1104092	.0086446	.010233	.17899	.09154	.0013550
%RSD	105.2430	5.065223	.5607227	1.476109	.5368843	1.216639
#1	.1856215	.1755351	1.826886	12.05231	17.01938	.1102392
#2	.1500176	.1606852	1.834013	11.99473	16.97855	.1110044
#3	-.020913	.1757783	1.813835	12.32950	17.15353	.1128732

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-01 Acquired: 12/20/2024 21:01:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJQ0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035918	4.578077	8.625171	.0864828	1.017798	.0408226
Stddev	.0002307	.025418	.122814	.0004444	.011302	.0004846
%RSD	6.423810	.5552013	1.423900	.5138849	1.110468	1.187028
#1	.0035736	4.558011	8.593528	.0860901	1.008390	.0402632
#2	.0033708	4.569560	8.521275	.0863932	1.014669	.0411145
#3	.0038311	4.606659	8.760710	.0869652	1.030335	.0410900

Elem	Li6707
Units	ppm
Avg	.1269326
Stddev	.0012744
%RSD	1.004001
#1	.1258649
#2	.1265894
#3	.1283434

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2676.711	33038.80	3439.642	2284.340	2034.115
Stddev	3.503	139.78	40.604	8.219	8.174
%RSD	.1308634	.4230790	1.180481	.3597854	.4018661
#1	2678.309	32958.63	3438.482	2275.284	2036.117
#2	2679.130	32957.57	3480.814	2286.410	2041.102
#3	2672.694	33200.21	3399.630	2291.326	2025.125

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-02 Acquired: 12/20/2024 21:05:11 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJQ1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0899185	-.072370	.3863045	.0859019	.0322260	112.7948
Stddev	.0024691	.002341	.0077782	.0019442	.0019704	.4691
%RSD	2.745874	3.234564	2.013484	2.263277	6.114348	.4159304
#1	.0874167	-.072215	.3791079	.0862450	.0308004	112.2531
#2	.0899853	-.070110	.3945565	.0838089	.0314031	113.0720
#3	.0923534	-.074784	.3852491	.0876516	.0344745	113.0593

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.029255	.0099395	.0087580	55.44914	.2130340	.1285739
Stddev	.002271	.0000505	.0001510	.17313	.0022774	.0015946
%RSD	.2206674	.5078407	1.724385	.3122284	1.069042	1.240211
#1	1.026930	.0099474	.0085895	55.25622	.2156425	.1267487
#2	1.031469	.0099856	.0088811	55.59097	.2120185	.1296964
#3	1.029367	.0098856	.0088033	55.50024	.2114410	.1292767

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1533566	183.5101	4.188263	39.00020	.3034966	.0136821
Stddev	.0009405	.7840	.014765	.17269	.0052336	.0007274
%RSD	.6132779	.4272396	.3525277	.4428030	1.724437	5.316435
#1	.1541662	182.6151	4.171495	38.80288	.2978656	.0133854
#2	.1523249	183.8395	4.199313	39.12380	.3082120	.0131498
#3	.1535786	184.0757	4.193983	39.07392	.3044122	.0145109

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4592350	.1742295	2.069793	10.60250	F 13.27652	.0912658
Stddev	.0521474	.0037044	.019525	.10720	.19592	.0008884
%RSD	11.35526	2.126142	.9433532	1.011115	1.475720	.9734058
#1	.4068060	.1718957	2.088782	10.48270	13.06175	.0903488
#2	.5110960	.1785008	2.070824	10.63539	13.44548	.0913261
#3	.4598031	.1722919	2.049772	10.68941	13.32233	.0921225

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-02 Acquired: 12/20/2024 21:05:11 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJQ1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024488	3.459511	8.079114	.0184438	.9448574	-.015693
Stddev	.0004569	.049823	.050441	.0007546	.0068208	.000274
%RSD	18.65719	1.440175	.6243411	4.091184	.7218920	1.743920
#1	.0029763	3.403950	8.038973	.0190930	.9405856	-.015378
#2	.0021906	3.500217	8.062635	.0186225	.9527237	-.015830
#3	.0021795	3.474365	8.135734	.0176159	.9412630	-.015871

Elem	Li6707
Units	ppm
Avg	.1542896
Stddev	.0028979
%RSD	1.878220
#1	.1561880
#2	.1557268
#3	.1509540

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2831.518	34378.30	3640.804	2391.312	2035.008
Stddev	12.465	359.36	18.832	27.588	23.345
%RSD	.4402107	1.045314	.5172540	1.153668	1.147154
#1	2839.406	33963.58	3658.650	2359.465	2058.777
#2	2817.148	34597.83	3642.643	2406.574	2012.113
#3	2838.000	34573.49	3621.120	2407.896	2034.132

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-03 Acquired: 12/20/2024 21:09:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJQ2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0830516	-.057288	.3091808	.0879840	.0303222	89.90051	1.186804
Stddev	.0031185	.003068	.0038687	.0026638	.0012775	2.81590	.036599
%RSD	3.754917	5.355841	1.251261	3.027564	4.212979	3.132239	3.083854
#1	.0811457	-.060830	.3109092	.0856009	.0308623	88.12826	1.164525
#2	.0866504	-.055476	.3118840	.0908597	.0288634	93.14749	1.229045
#3	.0813586	-.055556	.3047493	.0874915	.0312409	88.42578	1.166844

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0076729	.0112615	89.39513	.1554939	.1272852	.1153936	180.9967
Stddev	.0002344	.0001860	2.95437	.0007460	.0002169	.0115706	5.6960
%RSD	3.054655	1.651278	3.304847	.4797294	.1704408	10.02707	3.146997
#1	.0076259	.0114522	87.62126	.1559551	.1270348	.1070793	177.8061
#2	.0079272	.0110806	92.80563	.1546333	.1274163	.1286079	187.5729
#3	.0074655	.0112516	87.75851	.1558934	.1274046	.1104935	177.6111

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.20850	37.01725	.2681287	.0150227	.9092283	.1854839	1.605705
Stddev	.36507	1.17805	.0002568	.0015886	.3785213	.0068670	.019990
%RSD	3.257062	3.182443	.0957582	10.57450	41.63105	3.702209	1.244944
#1	11.00143	36.28502	.2678449	.0133486	1.271541	.1793188	1.583061
#2	11.63002	38.37619	.2683450	.0165090	.516352	.1928849	1.620907
#3	10.99405	36.39056	.2681961	.0152106	.939792	.1842480	1.613147

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.149733	9.859232	.0803307	.0038080	2.236053	7.903522	.0160586
Stddev	.279200	.013943	.0023657	.0001595	.007660	.207854	.0017383
%RSD	3.051453	.1414254	2.944987	4.189643	.3425554	2.629897	10.82491
#1	8.981253	9.855000	.0792345	.0037983	2.238641	7.818859	.0154157
#2	9.472014	9.874802	.0830457	.0039722	2.242083	8.140347	.0147333
#3	8.995932	9.847895	.0787120	.0036536	2.227434	7.751361	.0180268

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-03 Acquired: 12/20/2024 21:09:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJQ2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.402481	.0069426	.1389185
Stddev	.045830	.0002138	.0064714
%RSD	3.267794	3.079625	4.658427
#1	1.373932	.0066984	.1354434
#2	1.455345	.0070960	.1463851
#3	1.378167	.0070336	.1349271

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2477.169	30477.38	3142.383	2100.106	2040.309
Stddev	3.664	56.92	76.297	7.149	6.132
%RSD	.1479184	.1867549	2.427993	.3404344	.3005284
#1	2479.941	30432.61	3168.560	2091.895	2046.164
#2	2473.015	30541.44	3056.444	2104.948	2033.934
#3	2478.552	30458.10	3202.146	2103.477	2040.830

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-04 Acquired: 12/20/2024 21:12:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJQ3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0813433	-.031284	.1956788	.0659714	.0213110	69.89162
Stddev	.0019481	.006518	.0044759	.0046704	.0022549	.26156
%RSD	2.394878	20.83594	2.287368	7.079498	10.58097	.3742431
#1	.0816737	-.029925	.1905134	.0712439	.0204119	70.18083
#2	.0792512	-.038375	.1981109	.0623534	.0238768	69.82241
#3	.0831051	-.025553	.1984121	.0643170	.0196444	69.67162

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8291003	.0059992	.0067083	243.4787	.1162766	.1344552
Stddev	.0039668	.0000949	.0000719	1.0363	.0016116	.0003376
%RSD	.4784479	1.582203	1.072361	.4256081	1.385986	.2510852
#1	.8298852	.0061085	.0066357	244.6752	.1145003	.1340965
#2	.8326160	.0059522	.0067795	242.8908	.1166843	.1347667
#3	.8247998	.0059370	.0067097	242.8701	.1176451	.1345024

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1601031	161.2538	12.70717	98.69664	.2211103	.0134752
Stddev	.0057235	.6169	.07398	.24072	.0010124	.0005473
%RSD	3.574864	.3825722	.5821555	.2439022	.4578787	4.061323
#1	.1535028	161.8420	12.77021	98.81090	.2210298	.0132567
#2	.1636957	161.3076	12.72556	98.85895	.2201406	.0140980
#3	.1631108	160.6117	12.62573	98.42006	.2221606	.0130709

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.486148	.1614739	.7144347	7.696051	F 12.05355	.0705172
Stddev	.737564	.0041511	.0200052	.188361	.06227	.0023131
%RSD	49.62923	2.570769	2.800151	2.447500	.5165962	3.280177
#1	.868640	.1573895	.6913769	7.859458	11.98411	.0716677
#2	2.302853	.1613433	.7247533	7.738661	12.07214	.0720294
#3	1.286953	.1656887	.7271739	7.490036	12.10441	.0678544

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-04 Acquired: 12/20/2024 21:12:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJQ3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036913	2.088767	9.273101	.0153619	1.435868	.0981006
Stddev	.0003420	.013164	.043918	.0007822	.012027	.0006187
%RSD	9.264400	.6302428	.4736086	5.091596	.8376239	.6307066
#1	.0036453	2.075391	9.318233	.0148873	1.446660	.0983172
#2	.0033747	2.089201	9.270564	.0149338	1.438040	.0985820
#3	.0040540	2.101709	9.230506	.0162647	1.422902	.0974027

Elem	Li6707
Units	ppm
Avg	.1268756
Stddev	.0030396
%RSD	2.395760
#1	.1303817
#2	.1249817
#3	.1252634

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2210.550	27412.29	2897.449	1894.711	1945.240
Stddev	2.136	258.13	20.735	20.842	4.479
%RSD	.0966459	.9416684	.7156258	1.099993	.2302336
#1	2210.250	27696.51	2873.796	1918.634	1949.962
#2	2208.579	27192.42	2906.058	1880.484	1944.704
#3	2212.820	27347.94	2912.493	1885.015	1941.053

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-05 Acquired: 12/20/2024 21:16:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJQ3D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0824132	-.033333	.1991262	.0653161	.0214174	69.87419
Stddev	.0032422	.005278	.0038044	.0025156	.0019190	.52336
%RSD	3.934099	15.83305	1.910553	3.851502	8.959940	.7490039
#1	.0846845	-.028121	.2019844	.0624446	.0219783	70.24654
#2	.0787001	-.038674	.1948081	.0671316	.0229934	70.10022
#3	.0838548	-.033205	.2005860	.0663721	.0192805	69.27580

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8281377	.0059251	.0067911	242.7860	.1175049	.1339611
Stddev	.0079142	.0001905	.0002676	1.5154	.0007227	.0007685
%RSD	.9556592	3.215521	3.940245	.6241888	.6150548	.5736638
#1	.8320274	.0058603	.0065906	243.8114	.1180988	.1342555
#2	.8333544	.0061396	.0066877	243.5012	.1177155	.1330890
#3	.8190314	.0057755	.0070949	241.0453	.1167002	.1345389

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1586178	160.8781	12.68588	98.53740	.2218757	.0133979
Stddev	.0058229	1.3849	.08871	.67373	.0007610	.0005504
%RSD	3.671016	.8608397	.6992482	.6837256	.3429895	4.107918
#1	.1528754	161.8295	12.74086	98.82264	.2220832	.0127788
#2	.1584600	161.5157	12.73324	99.02158	.2210324	.0135834
#3	.1645180	159.2893	12.58355	97.76797	.2225114	.0138316

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.437052	.1672532	.7175578	7.693396	F 12.06074	.0680603
Stddev	.643237	.0049889	.0062344	.147093	.08784	.0010671
%RSD	44.76086	2.982852	.8688307	1.911942	.7282944	1.567844
#1	.991272	.1725941	.7103880	7.803775	12.07379	.0668282
#2	2.174446	.1627131	.7217017	7.750005	11.96710	.0686796
#3	1.145438	.1664524	.7205838	7.526409	12.14132	.0686732

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-05 Acquired: 12/20/2024 21:16:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJQ3D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036300	2.081157	9.214721	.0155670	1.436985	.0983187
Stddev	.0005403	.018853	.125369	.0005615	.011427	.0007692
%RSD	14.88385	.9058933	1.360533	3.606857	.7952116	.7823470
#1	.0042413	2.084988	9.305770	.0159333	1.445259	.0985904
#2	.0032166	2.060682	9.266665	.0149205	1.441750	.0989152
#3	.0034321	2.097799	9.071728	.0158470	1.423947	.0974506

Elem	Li6707
Units	ppm
Avg	.1274392
Stddev	.0010699
%RSD	.8395347
#1	.1286716
#2	.1268975
#3	.1267484

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2208.697	27163.64	2899.851	1865.807	1941.531
Stddev	12.256	69.04	31.992	5.930	15.619
%RSD	.5548811	.2541570	1.103231	.3178512	.8044924
#1	2207.684	27084.00	2879.324	1859.982	1942.290
#2	2221.428	27206.45	2883.516	1865.600	1956.756
#3	2196.980	27200.47	2936.713	1871.838	1925.545

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-04LX5 Acquired: 12/20/2024 21:20:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJQ3L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0151622	-.001612	.0448120	.0087486	-.000425	16.96269	.2011378
Stddev	.0057372	.002477	.0018008	.0011416	.001646	.09950	.0018112
%RSD	37.83892	153.6077	4.018541	13.04907	387.0089	.5865648	.9004714
#1	.0216722	.001119	.0427486	.0095351	-.001868	16.85431	.1993495
#2	.0108439	-.003712	.0456205	.0074392	.001367	16.98390	.2029711
#3	.0129705	-.002244	.0460668	.0092716	-.000775	17.04988	.2010927

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015962	.0012700	59.93497	.0280294	.0414138	.0409364	39.95076
Stddev	.0000862	.0001171	.40299	.0004221	.0005194	.0075769	.21892
%RSD	5.403101	9.223433	.6723835	1.505809	1.254291	18.50888	.5479728
#1	.0015086	.0011382	59.47999	.0283076	.0414795	.0482866	39.74769
#2	.0015991	.0013095	60.07791	.0275437	.0418972	.0413710	39.92191
#3	.0016810	.0013623	60.24701	.0282368	.0408646	.0331516	40.18267

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.160678	24.52088	.0427634	.0033944	-.548189	.0317028	.1844879
Stddev	.023110	.08399	.0002978	.0008593	.504452	.0026962	.0075651
%RSD	.7311686	.3425212	.6964865	25.31612	92.02154	8.504727	4.100588
#1	3.134238	24.42437	.0427912	.0043259	-.007814	.0290071	.1904624
#2	3.177022	24.56090	.0424526	.0032246	-.630047	.0343995	.1759816
#3	3.170775	24.57738	.0430463	.0026326	-1.00671	.0317018	.1870198

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.511191	2.415306	.0188517	.0017526	.4223826	2.329280	-.006319
Stddev	.155761	.010720	.0014870	.0001531	.0052097	.007797	.000881
%RSD	10.30714	.4438297	7.887705	8.734915	1.233411	.3347194	13.95032
#1	1.677203	2.405099	.0193441	.0019206	.4240949	2.325877	-.006423
#2	1.488110	2.414345	.0171810	.0016209	.4265206	2.323764	-.007143
#3	1.368258	2.426474	.0200300	.0017165	.4165322	2.338200	-.005390

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-04LX5 Acquired: 12/20/2024 21:20:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJQ3L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3498704	.0234250	.0365840
Stddev	.0056291	.0006673	.0022832
%RSD	1.608908	2.848694	6.241008
#1	.3433705	.0228242	.0349852
#2	.3531416	.0241432	.0355678
#3	.3530990	.0233077	.0391989

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1920.298	23570.29	2433.779	1637.373	2090.342
Stddev	1.979	249.22	10.804	11.545	2.246
%RSD	.1030487	1.057350	.4439335	.7050892	.1074600
#1	1918.014	23609.60	2443.032	1634.312	2089.629
#2	1921.494	23303.74	2421.905	1627.667	2088.538
#3	1921.387	23797.51	2436.399	1650.140	2092.858

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-06 Acquired: 12/20/2024 21:24:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJQ3S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1628223	.0545979	.2358516	.1965146	.1599257	71.96048
Stddev	.0027560	.0029032	.0009219	.0020439	.0017551	.39240
%RSD	1.692615	5.317439	.3908681	1.040069	1.097435	.5452962
#1	.1653516	.0579294	.2365627	.1942989	.1605071	71.51419
#2	.1632299	.0526088	.2348100	.1969183	.1579537	72.25141
#3	.1598852	.0532557	.2361821	.1983264	.1613163	72.11583

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.044744	.0837084	.1033812	239.6435	.4459755	1.088468
Stddev	.021660	.0012337	.0006536	1.8032	.0021313	.003586
%RSD	.5355173	1.473801	.6322608	.7524510	.4778869	.3294540
#1	4.019821	.0829818	.1038103	237.6198	.4457918	1.089735
#2	4.059031	.0851329	.1026289	241.0796	.4439420	1.084420
#3	4.055379	.0830106	.1037042	240.2312	.4481927	1.091248

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5301704	160.4419	13.33465	97.05750	1.198559	.0718507
Stddev	.0074541	1.0410	.08013	.62129	.004943	.0013413
%RSD	1.405992	.6488546	.6009233	.6401227	.4124282	1.866778
#1	.5234004	159.3833	13.25232	96.53773	1.199671	.0706331
#2	.5381586	161.4644	13.41239	97.74561	1.193155	.0716305
#3	.5289521	160.4780	13.33925	96.88915	1.202852	.0732884

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.257674	.9867744	1.425845	7.663423	F 11.93562	.0669887
Stddev	.114633	.0127766	.011144	.157281	.04619	.0024502
%RSD	9.114686	1.294784	.7815558	2.052361	.3870072	3.657660
#1	1.349114	.9722147	1.436819	7.642593	11.93937	.0685004
#2	1.129070	.9919918	1.414539	7.830082	11.88767	.0641617
#3	1.294839	.9961167	1.426177	7.517595	11.97982	.0683040

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-06 Acquired: 12/20/2024 21:24:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJQ3S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038097	2.070542	9.119294	.0138257	1.417177	.0956908
Stddev	.0004067	.013535	.100602	.0006757	.006100	.0005061
%RSD	10.67664	.6536733	1.103181	4.887184	.4304096	.5289078
#1	.0035246	2.064927	9.047491	.0130685	1.411499	.0955095
#2	.0042755	2.060719	9.234278	.0143670	1.423626	.0962627
#3	.0036290	2.085981	9.076112	.0140417	1.416407	.0953004

Elem	Li6707
Units	ppm
Avg	.1256155
Stddev	.0073770
%RSD	5.872671
#1	.1249517
#2	.1185929
#3	.1333020

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2207.036	27256.11	2904.866	1877.516	1947.253
Stddev	7.488	78.92	27.670	14.499	8.008
%RSD	.3392639	.2895489	.9525494	.7722603	.4112421
#1	2199.210	27186.58	2918.046	1868.387	1942.276
#2	2214.133	27341.89	2873.070	1894.235	1956.490
#3	2207.764	27239.85	2923.483	1869.926	1942.992

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-07 Acquired: 12/20/2024 21:28:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJR8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0747468	-.036090	1.069489	.0570259	.0189279	66.11068
Stddev	.0034257	.001957	.007134	.0010389	.0007246	.82465
%RSD	4.583053	5.422982	.6670208	1.821726	3.828486	1.247379
#1	.0713376	-.033904	1.074343	.0577769	.0181833	65.17515
#2	.0747139	-.037679	1.072825	.0574604	.0196308	66.73216
#3	.0781887	-.036686	1.061298	.0558403	.0189695	66.42473

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9450175	.0064145	.0065019	78.58173	.1284375	.0940266
Stddev	.0123414	.0000750	.0000212	.92731	.0008595	.0003097
%RSD	1.305943	1.169684	.3257713	1.180056	.6691917	.3293984
#1	.9308952	.0064824	.0064788	77.51291	.1286928	.0943610
#2	.9537309	.0063339	.0065204	79.17197	.1274792	.0939693
#3	.9504263	.0064273	.0065065	79.06030	.1291403	.0937496

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2361982	127.7527	5.238441	31.16084	.1901266	.0103199
Stddev	.0032379	1.4440	.064068	.39580	.0010935	.0008653
%RSD	1.370848	1.130330	1.223043	1.270189	.5751278	8.384517
#1	.2355338	126.0933	5.164736	30.75164	.1908399	.0098581
#2	.2333440	128.7237	5.280809	31.54173	.1906723	.0113181
#3	.2397168	128.4412	5.269778	31.18914	.1888677	.0097834

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7589180	.1361821	1.848660	8.675520	F 13.92361	.0801005
Stddev	.7042505	.0033563	.011234	.180604	.06041	.0037253
%RSD	92.79666	2.464580	.6077036	2.081770	.4338956	4.650822
#1	.0147538	.1371894	1.835721	8.508189	13.98543	.0758898
#2	.8470396	.1324375	1.855938	8.866973	13.92068	.0814437
#3	1.414961	.1389194	1.854320	8.651398	13.86471	.0829679

Reviewed By:Jaswal
On:12/23/2024
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Inst Id :P5

Sample Name: P5009-07 Acquired: 12/20/2024 21:28:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJR8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049785	4.006753	9.450833	.0749575	1.151533	.0824422
Stddev	.0003563	.016317	.026858	.0013160	.016088	.0012398
%RSD	7.155870	.4072298	.2841848	1.755627	1.397115	1.503855
#1	.0048589	4.024073	9.463791	.0761482	1.134404	.0814782
#2	.0053792	3.991670	9.468755	.0751799	1.166325	.0838408
#3	.0046975	4.004515	9.419953	.0735446	1.153870	.0820077

Elem	Li6707
Units	ppm
Avg	.1029015
Stddev	.0003061
%RSD	.2974346
#1	.1027822
#2	.1026730
#3	.1032492

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2260.950	27831.22	2927.057	1918.662	2048.126
Stddev	7.211	96.08	17.509	6.919	8.702
%RSD	.3189174	.3452073	.5981893	.3605948	.4248770
#1	2252.859	27921.66	2937.819	1923.088	2040.018
#2	2263.298	27730.36	2906.853	1910.689	2047.038
#3	2266.694	27841.64	2936.498	1922.208	2057.320

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-08 Acquired: 12/20/2024 21:32:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJR9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1150395	-.058912	1.310121	.0814967	.0293865	72.15179
Stddev	.0030491	.004269	.001442	.0017626	.0005120	.19710
%RSD	2.650475	7.246240	.1100814	2.162807	1.742304	.2731737
#1	.1154470	-.059345	1.311417	.0812900	.0297588	72.22914
#2	.1178643	-.054443	1.310380	.0833536	.0295981	72.29848
#3	.1118071	-.062948	1.308567	.0798466	.0288026	71.92775

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.074465	.0079160	.0085230	87.27142	.1329459	.1067841
Stddev	.003357	.0001137	.0000322	.11404	.0011496	.0005742
%RSD	.3124770	1.436862	.3779181	.1306783	.8647138	.5377074
#1	1.077662	.0080376	.0085557	87.40147	.1320559	.1061969
#2	1.074764	.0078122	.0085221	87.22430	.1325381	.1073443
#3	1.070967	.0078983	.0084913	87.18848	.1342439	.1068112

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2826592	173.0388	6.143840	34.17574	.2254754	.0149943
Stddev	.0077121	.3653	.011456	.17803	.0004680	.0010564
%RSD	2.728403	.2111178	.1864625	.5209144	.2075525	7.045013
#1	.2893806	173.3955	6.153704	34.38122	.2259399	.0152598
#2	.2843574	173.0556	6.146541	34.07815	.2254824	.0138305
#3	.2742396	172.6654	6.131275	34.06785	.2250040	.0158925

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1898355	.1720594	2.116648	8.677571	F 14.19094	.0842363
Stddev	.9906083	.0034758	.025097	.078556	.00998	.0004142
%RSD	521.8245	2.020133	1.185702	.9052783	.0703474	.4917409
#1	.9597862	.1687661	2.115426	8.766487	14.18127	.0843296
#2	.5374492	.1756927	2.092183	8.648659	14.19034	.0837834
#3	-.927729	.1717193	2.142333	8.617569	14.20121	.0845959

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-08 Acquired: 12/20/2024 21:32:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJR9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0041597	2.954274	9.580547	.0853952	1.171131	.0556360
Stddev	.0004571	.010323	.006504	.0007287	.003126	.0004441
%RSD	10.98857	.3494258	.0678827	.8533044	.2668984	.7982756
#1	.0045997	2.948762	9.577772	.0852828	1.167524	.0554524
#2	.0036873	2.947878	9.575892	.0847293	1.173043	.0553130
#3	.0041921	2.966183	9.587978	.0861736	1.172827	.0561425

Elem	Li6707
Units	ppm
Avg	.1103119
Stddev	.0036459
%RSD	3.305129
#1	.1061556
#2	.1129702
#3	.1118101

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2322.332	28882.74	2988.899	1994.267	2069.041
Stddev	5.866	157.75	10.755	5.055	4.344
%RSD	.2526046	.5461791	.3598290	.2534863	.2099333
#1	2321.562	29047.75	2983.192	1997.435	2066.524
#2	2316.889	28867.06	2982.201	1996.928	2066.541
#3	2328.545	28733.42	3001.305	1988.437	2074.056

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-09 Acquired: 12/20/2024 21:36:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJS0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0891648	-.040510	1.049704	.0592060	.0200200	76.78852
Stddev	.0077042	.000867	.013223	.0030756	.0016377	.81752
%RSD	8.640434	2.140764	1.259704	5.194703	8.180220	1.064637
#1	.0979610	-.041284	1.061034	.0561939	.0182649	76.00329
#2	.0859181	-.039573	1.052902	.0623413	.0202879	77.63489
#3	.0836154	-.040673	1.035175	.0590827	.0215072	76.72738

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9400694	.0071468	.0073132	117.5477	.1341526	.1012601
Stddev	.0096317	.0000709	.0002442	1.2084	.0032023	.0020080
%RSD	1.024579	.9919115	3.339314	1.028037	2.387059	1.983014
#1	.9308882	.0070679	.0075218	116.4253	.1354544	.1030043
#2	.9500960	.0071671	.0073732	118.8269	.1305044	.1017109
#3	.9392242	.0072052	.0070446	117.3909	.1364990	.0990650

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2472163	140.9795	5.375952	29.83277	.1942895	.0125392
Stddev	.0035912	1.5767	.044845	.31329	.0025708	.0005789
%RSD	1.452638	1.118410	.8341856	1.050155	1.323195	4.616659
#1	.2469369	139.5356	5.332807	29.47196	.1962519	.0122017
#2	.2509389	142.6619	5.422323	30.03585	.1952373	.0132077
#3	.2437729	140.7411	5.372726	29.99050	.1913793	.0122083

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4518208	.1476459	1.634417	8.097103	F 11.70438	.0803724
Stddev	.5177361	.0023780	.028076	.133104	.13740	.0041778
%RSD	114.5888	1.610613	1.717785	1.643852	1.173898	5.198025
#1	.3773824	.1503757	1.614343	7.979411	11.83146	.0785809
#2	1.002747	.1465382	1.622409	8.241554	11.72310	.0851472
#3	-.024667	.1460239	1.666500	8.070343	11.55858	.0773892

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-09 Acquired: 12/20/2024 21:36:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJS0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027731	2.567019	8.101159	.0694343	1.048929	.0833285
Stddev	.0007154	.033650	.046206	.0010785	.011952	.0009337
%RSD	25.79800	1.310844	.5703606	1.553313	1.139401	1.120511
#1	.0034634	2.596460	8.078978	.0697602	1.037736	.0825358
#2	.0028209	2.574258	8.070226	.0703122	1.061516	.0843577
#3	.0020350	2.530339	8.154273	.0682303	1.047535	.0830919

Elem	Li6707
Units	ppm
Avg	.1097273
Stddev	.0021538
%RSD	1.962829
#1	.1091193
#2	.1121198
#3	.1079430

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2344.372	29140.01	3032.755	2005.722	2027.913
Stddev	6.710	474.93	15.376	35.010	17.233
%RSD	.2861996	1.629834	.5069862	1.745513	.8497990
#1	2339.984	28970.36	3050.474	1995.318	2013.176
#2	2341.035	29676.47	3022.932	2044.755	2023.701
#3	2352.095	28773.20	3024.858	1977.094	2046.861

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-10 Acquired: 12/20/2024 21:39:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJS1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0979151	-.062355	.6804719	.0764910	.0291411	105.4688
Stddev	.0024494	.003445	.0034404	.0015828	.0003007	.4048
%RSD	2.501564	5.524081	.5055867	2.069218	1.031690	.3838371
#1	.0951794	-.060215	.6777811	.0749143	.0288807	105.0201
#2	.0999049	-.066328	.6843483	.0780797	.0290723	105.8067
#3	.0986608	-.060521	.6792864	.0764789	.0294701	105.5796

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.118281	.0088273	.0094364	74.62803	.1826688	.1145678
Stddev	.005179	.0000882	.0001501	.34453	.0007247	.0005453
%RSD	.4630803	.9989068	1.590765	.4616579	.3967265	.4759811
#1	1.113748	.0087257	.0094393	74.25336	.1831837	.1151716
#2	1.123925	.0088841	.0092848	74.93119	.1829826	.1141112
#3	1.117170	.0088721	.0095850	74.69953	.1818401	.1144205

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2110068	163.9940	5.075377	32.76146	.2392622	.0143954
Stddev	.0002466	.7870	.019279	.17453	.0008097	.0005088
%RSD	.1168483	.4798923	.3798442	.5327181	.3384107	3.534276
#1	.2108151	163.1221	5.054682	32.56791	.2401954	.0140290
#2	.2112850	164.6518	5.092828	32.90685	.2388459	.0149763
#3	.2109203	164.2080	5.078620	32.80961	.2387454	.0141809

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5437876	.1738989	1.915656	8.052134	F 15.68357	.0964598
Stddev	.2433021	.0063182	.017200	.088811	.01140	.0013225
%RSD	44.74213	3.633278	.8978589	1.102955	.0727093	1.371019
#1	.5195674	.1716388	1.919626	8.127975	15.69285	.0958187
#2	.3135013	.1810364	1.930523	8.073995	15.67084	.0979806
#3	.7982939	.1690216	1.896818	7.954434	15.68702	.0955801

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-10 Acquired: 12/20/2024 21:39:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJS1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024463	4.245664	8.225685	.0308478	.8833922	.0367254
Stddev	.0004050	.012179	.059296	.0009814	.0060482	.0004465
%RSD	16.55653	.2868690	.7208667	3.181404	.6846547	1.215746
#1	.0022284	4.245992	8.157761	.0313061	.8766496	.0371777
#2	.0029136	4.233323	8.267117	.0297211	.8883393	.0362850
#3	.0021968	4.257676	8.252177	.0315161	.8851878	.0367134

Elem	Li6707
Units	ppm
Avg	.1385189
Stddev	.0026872
%RSD	1.939965
#1	.1358265
#2	.1412009
#3	.1385294

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2656.281	32817.29	3435.067	2259.755	2033.318
Stddev	3.176	133.57	14.728	15.345	2.573
%RSD	.1195791	.4070043	.4287629	.6790417	.1265518
#1	2655.178	32672.06	3450.336	2242.355	2030.398
#2	2659.861	32844.93	3420.947	2271.349	2035.253
#3	2653.803	32934.87	3433.919	2265.563	2034.304

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-11 Acquired: 12/20/2024 21:43:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJS2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0836350	-.074639	.1763908	.1230568	.0459730	111.9168	2.050711
Stddev	.0032314	.001677	.0060628	.0019952	.0049312	.8946	.013715
%RSD	3.863716	2.247204	3.437131	1.621381	10.72636	.7993605	.6687798
#1	.0849092	-.076467	.1832687	.1216248	.0484145	112.2136	2.054860
#2	.0799607	-.074278	.1740821	.1222099	.0402973	110.9115	2.035401
#3	.0860350	-.073171	.1718215	.1253358	.0492071	112.6252	2.061873

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0077336	.0129744	42.89754	.1634892	.1516919	.0549478	231.4306
Stddev	.0001139	.0002384	.36793	.0003067	.0003146	.0046084	1.7471
%RSD	1.473266	1.837743	.8576891	.1876073	.2074014	8.386930	.7549159
#1	.0077487	.0127799	43.04850	.1637875	.1514317	.0520607	232.7355
#2	.0076129	.0129029	42.47814	.1631747	.1520415	.0525202	229.4457
#3	.0078393	.0132404	43.16597	.1635055	.1516023	.0602626	232.1105

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.91533	36.53119	.2810976	.0189723	.1100683	.1812653	2.659709
Stddev	.15862	.35293	.0010378	.0005576	.2762178	.0075934	.016492
%RSD	.7964811	.9660925	.3692032	2.939204	250.9513	4.189091	.6200793
#1	19.99067	36.68455	.2799167	.0183321	.3499883	.1771822	2.654124
#2	19.73308	36.12753	.2815119	.0192324	-.191895	.1765871	2.646734
#3	20.02225	36.78149	.2818644	.0193523	.172111	.1900266	2.678269

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.542042	7.147805	.0831791	.0008822	.8124206	8.738866	.0147779
Stddev	.030056	.014389	.0022633	.0009925	.0044605	.128532	.0015220
%RSD	.3985069	.2013089	2.720991	112.5095	.5490399	1.470810	10.29929
#1	7.508538	7.131312	.0806177	.0005470	.8086130	8.791592	.0130218
#2	7.550955	7.157796	.0849092	.0001006	.8173282	8.592356	.0155943
#3	7.566633	7.154307	.0840105	.0019989	.8113206	8.832651	.0157175

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-11 Acquired: 12/20/2024 21:43:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJS2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.254978	-.090725	.1548938
Stddev	.012750	.001322	.0027594
%RSD	1.015934	1.456996	1.781479
#1	1.266790	-.092221	.1527160
#2	1.241462	-.089716	.1579970
#3	1.256683	-.090237	.1539684

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2294.591	28105.31	2927.382	1930.472	2045.049
Stddev	3.435	25.61	25.722	1.383	5.465
%RSD	.1497159	.0911127	.8786537	.0716358	.2672489
#1	2295.746	28082.64	2912.354	1929.028	2048.926
#2	2290.727	28100.20	2957.082	1931.784	2038.798
#3	2297.300	28133.08	2912.711	1930.603	2047.422

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-12 Acquired: 12/20/2024 21:47:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJS3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0888460	-.085812	.1826398	.1085474	.0433764	112.9871	1.609705
Stddev	.0028476	.005025	.0048975	.0039205	.0014619	.2720	.003279
%RSD	3.205046	5.855864	2.681533	3.611826	3.370192	.2407391	.2036767
#1	.0911829	-.091302	.1806715	.1085105	.0418693	113.0010	1.612595
#2	.0856744	-.081440	.1790326	.1124863	.0434715	112.7084	1.606142
#3	.0896809	-.084695	.1882153	.1046454	.0447884	113.2518	1.610379

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0084882	.0083984	44.11079	.1634529	.1406182	.0538768	225.6133
Stddev	.0000881	.0001832	.07222	.0020880	.0000601	.0034403	.1819
%RSD	1.037599	2.180902	.1637162	1.277458	.0427426	6.385448	.0806379
#1	.0084437	.0083833	44.14316	.1641081	.1406269	.0500734	225.4652
#2	.0084313	.0082233	44.02805	.1611159	.1406735	.0547854	225.5583
#3	.0085897	.0085887	44.16116	.1651348	.1405542	.0567716	225.8164

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.74208	38.80837	.2541387	.0184566	.4305344	.1844745	2.418061
Stddev	.00945	.09916	.0010560	.0002662	.3165312	.0050529	.040755
%RSD	.0804598	.2555041	.4155122	1.442164	73.52054	2.739051	1.685422
#1	11.74173	38.84978	.2550673	.0186361	.6579820	.1879483	2.390432
#2	11.73282	38.88012	.2529900	.0181508	.0690351	.1867973	2.398884
#3	11.75170	38.69523	.2543589	.0185829	.5645863	.1786780	2.464867

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.516050	8.541952	.0779379	.0003788	.8019966	8.147384	.0141102
Stddev	.061934	.013248	.0056883	.0006968	.0029508	.098758	.0004973
%RSD	.7272575	.1550913	7.298515	183.9262	.3679326	1.212138	3.524264
#1	8.569795	8.551274	.0716308	-.000348	.8022485	8.254698	.0145748
#2	8.448320	8.526788	.0826795	.000443	.7989279	8.060322	.0141701
#3	8.530035	8.547796	.0795033	.001041	.8048133	8.127132	.0135857

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-12 Acquired: 12/20/2024 21:47:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJS3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.287426	-.081825	.1617607
Stddev	.003674	.000284	.0013352
%RSD	.2853864	.3472031	.8254171
#1	1.283360	-.081771	.1624035
#2	1.290508	-.082132	.1626530
#3	1.288411	-.081571	.1602257

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2359.709	29153.17	3039.684	2005.081	2052.216
Stddev	15.807	250.02	26.342	20.959	12.673
%RSD	.6698659	.8576042	.8666011	1.045288	.6175515
#1	2347.510	29186.75	3011.267	2001.674	2045.141
#2	2354.050	29384.70	3063.287	2027.534	2044.660
#3	2377.567	28888.05	3044.497	1986.034	2066.848

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-13 Acquired: 12/20/2024 21:51:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJS4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0961515	-.080395	.1749611	.1116183	.0406239	98.68265	1.773680
Stddev	.0028304	.002369	.0001976	.0059214	.0020716	.32728	.006786
%RSD	2.943632	2.946335	.1129446	5.305048	5.099468	.3316489	.3826083
#1	.0959502	-.079646	.1751560	.1048691	.0384507	98.36697	1.766985
#2	.0934273	-.078491	.1747609	.1140451	.0408447	98.66059	1.773500
#3	.0990772	-.083048	.1749665	.1159409	.0425762	99.02041	1.780554

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0081828	.0101028	43.57436	.1541907	.1639801	.0824345	224.7297
Stddev	.0001345	.0001444	.12059	.0007005	.0018181	.0044583	.6998
%RSD	1.644021	1.429665	.2767395	.4542934	1.108753	5.408358	.3113801
#1	.0082594	.0102621	43.46812	.1539111	.1658796	.0838220	224.1175
#2	.0080275	.0100661	43.54954	.1549878	.1622561	.0860342	224.5790
#3	.0082615	.0099803	43.70543	.1536732	.1638045	.0774474	225.4925

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.37516	38.26428	.2638768	.0177373	-.044608	.1892666	1.989479
Stddev	.05419	.04891	.0035712	.0005792	.769041	.0038639	.011649
%RSD	.3770038	.1278211	1.353372	3.265657	1724.014	2.041510	.5855380
#1	14.32106	38.23543	.2679780	.0176548	-.328329	.1848577	1.977100
#2	14.37495	38.23666	.2614534	.0172038	.825985	.1920636	2.000227
#3	14.42945	38.32076	.2621991	.0183534	-.631478	.1908785	1.991111

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.450782	9.483780	.0750801	.0014197	.6329451	9.619772	.0137299
Stddev	.100515	.125923	.0021099	.0000467	.0084650	.045240	.0031841
%RSD	1.349055	1.327768	2.810201	3.287801	1.337405	.4702836	23.19099
#1	7.435882	9.629079	.0726601	.0014288	.6426901	9.666629	.0167625
#2	7.358548	9.406368	.0760470	.0013692	.6287305	9.576344	.0104133
#3	7.557915	9.415894	.0765333	.0014612	.6274146	9.616342	.0140139

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-13 Acquired: 12/20/2024 21:51:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJS4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.368715	-.079294	.1475069
Stddev	.002548	.000244	.0028820
%RSD	.1861366	.3077676	1.953802
#1	1.366959	-.079496	.1442978
#2	1.367549	-.079023	.1498743
#3	1.371637	-.079362	.1483487

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2309.504	28550.54	2993.343	1972.054	2052.113
Stddev	23.959	27.41	20.217	3.496	26.861
%RSD	1.037414	.0959913	.6753863	.1772920	1.308962
#1	2282.128	28539.13	2970.150	1976.087	2021.121
#2	2326.651	28581.81	3007.236	1969.887	2066.532
#3	2319.732	28530.68	3002.644	1970.187	2068.686

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV083 Acquired: 12/20/2024 21:55:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV083 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.130679	4.841657	24.94631	4.970703	4.981897	412.4722	10.28268
Stddev	.008278	.016087	.04808	.006187	.009371	1.8403	.06386
%RSD	.1613499	.3322582	.1927154	.1244682	.1880940	.4461526	.6210522
#1	5.122158	4.853322	25.00164	4.964575	4.978244	410.3658	10.20975
#2	5.131188	4.823305	24.91478	4.976947	4.974904	413.7681	10.32859
#3	5.138691	4.848343	24.92250	4.970588	4.992544	413.2826	10.30969

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5156408	2.508925	414.0775	15.79901	2.510001	15.49972	415.9626
Stddev	.0037529	.007302	.9149	.11884	.005788	.04097	2.3389
%RSD	.7278095	.2910458	.2209401	.7522136	.2305901	.2643335	.5622896
#1	.5168424	2.516815	413.0211	15.68992	2.516677	15.45244	413.3852
#2	.5186457	2.502405	414.5984	15.92565	2.506387	15.52488	417.9500
#3	.5114343	2.507556	414.6129	15.78145	2.506940	15.52183	416.5525

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.35009	411.0370	2.528825	1.329529	409.7406	2.568021	15.32096
Stddev	.07173	1.7372	.005116	.009975	1.9399	.005085	.07627
%RSD	.4673042	.4226428	.2023116	.7502751	.4734553	.1980241	.4978313
#1	15.26835	409.0964	2.534637	1.321807	407.6475	2.564234	15.23294
#2	15.40255	412.4472	2.525004	1.340791	411.4782	2.573801	15.36233
#3	15.37936	411.5673	2.526835	1.325988	410.0960	2.566027	15.36760

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	154.6537	5.014053	5.012428	4.864798	5.068218	4.969762	5.020518
Stddev	.5442	.010360	.025426	.006397	.003936	.031396	.019801
%RSD	.3518861	.2066147	.5072494	.1314975	.0776539	.6317371	.3943951
#1	154.0287	5.025056	5.009289	4.861811	5.068672	4.972270	5.041448
#2	155.0228	5.012616	5.039277	4.860440	5.064075	4.999829	5.002083
#3	154.9096	5.004486	4.988718	4.872142	5.071907	4.937188	5.018022

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV083 Acquired: 12/20/2024 21:55:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV083 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.129337	4.884763	5.244764
Stddev	.033475	.024957	.025438
%RSD	.6526170	.5109128	.4850143
#1	5.091214	4.856012	5.215535
#2	5.153927	4.900844	5.256861
#3	5.142871	4.897432	5.261895

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1542.043	20319.58	2259.012	1288.266	1767.567
Stddev	1.475	129.29	11.777	1.026	6.278
%RSD	.0956716	.6362998	.5213442	.0796376	.3551949
#1	1541.707	20455.08	2260.798	1287.565	1760.755
#2	1543.657	20197.55	2246.443	1287.790	1773.121
#3	1540.764	20306.11	2269.794	1289.443	1768.826

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCB083 Acquired: 12/20/2024 21:58:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB083 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007294	-.001201	.0030578	.0017750	-.003720	.0120415
Stddev	.0028791	.001547	.0022156	.0019974	.002049	.0181798
%RSD	394.7270	128.8083	72.45850	112.5256	55.08654	150.9764
#1	-.001601	-.001373	.0014520	.0016723	-.001551	.0205640
#2	.003948	.000425	.0055855	.0038217	-.005625	.0243944
#3	-.000159	-.002655	.0021359	-.000169	-.003985	-.008834

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000272	.0000867	.0000992	.0316390	-.000410	.0002007
Stddev	.002342	.0001431	.0000575	.0478490	.000301	.0002733
%RSD	862.2429	165.1824	57.97210	151.2345	73.44721	136.1810
#1	-.000763	.0000010	.0000336	.0076444	-.000617	.0005134
#2	.002277	.0002519	.0001231	.0005349	-.000548	.0000077
#3	-.002329	.0000071	.0001410	.0867376	-.000065	.0000809

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000319	.0083041	-.000232	.0828873	.0005131	.0005264
Stddev	.002336	.0175567	.001540	.0909702	.0001841	.0004839
%RSD	733.2111	211.4208	663.1820	109.7517	35.87136	91.92969
#1	-.002027	.0268125	.000826	.1242920	.0003071	.0001304
#2	.002343	-.008114	.000477	-.021420	.0006614	.0003830
#3	-.001272	.006213	-.001999	.145790	.0005709	.0010659

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4001026	-.009296	.0086687	-.297011	-.003285	.0165712
Stddev	.5016154	.003339	.0073412	.132452	.003210	.0007273
%RSD	125.3717	35.92316	84.68680	44.59497	97.72879	4.388890
#1	.9336982	-.013028	.0076031	-.377991	-.006989	.0173891
#2	-.061823	-.008269	.0019185	-.368882	-.001574	.0159974
#3	.328433	-.006591	.0164845	-.144159	-.001292	.0163270

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCB083 Acquired: 12/20/2024 21:58:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB083 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000220	-.006052	-.000116	F -.013348	.0020664	.0003563
Stddev	.0004533	.004735	.000932	.000519	.0033646	.0000573
%RSD	2062.253	78.23486	805.9037	3.888362	162.8236	16.06980
#1	-.000460	-.000604	.000811	-.013947	-.000639	.0004224
#2	.000085	-.008382	-.000106	-.013026	.001004	.0003239
#3	.000440	-.009171	-.001052	-.013071	.005834	.0003226

Elem	Li6707
Units	ppm
Avg	.0127877
Stddev	.0030575
%RSD	23.90983
#1	.0153413
#2	.0136222
#3	.0093996

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1851.656	22712.56	2332.963	1576.347	2170.293
Stddev	3.924	89.32	5.672	6.392	1.623
%RSD	.2119304	.3932634	.2431389	.4055255	.0747730
#1	1855.863	22815.22	2326.446	1583.700	2171.653
#2	1851.013	22652.63	2336.789	1573.231	2170.729
#3	1848.094	22669.84	2335.653	1572.110	2168.497

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-14 Acquired: 12/20/2024 22:02:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJT8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0891717	-.087609	.1994023	.1001324	.0390151	82.06357
Stddev	.0044447	.003876	.0032679	.0039164	.0005151	.47433
%RSD	4.984457	4.424486	1.638863	3.911250	1.320225	.5780005
#1	.0940999	-.091474	.1973662	.1028606	.0387821	82.37010
#2	.0879487	-.083722	.2031717	.0956449	.0386576	81.51722
#3	.0854666	-.087632	.1976689	.1018919	.0396055	82.30339

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6683138	.0084819	.0062565	47.80424	.1342483	.1144855
Stddev	.0042910	.0000525	.0000308	.19773	.0008090	.0001968
%RSD	.6420639	.6185989	.4919964	.4136224	.6026198	.1719399
#1	.6716477	.0084753	.0062229	47.99121	.1333943	.1142584
#2	.6634725	.0085373	.0062633	47.59728	.1350031	.1145901
#3	.6698213	.0084330	.0062833	47.82423	.1343474	.1146080

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0854493	209.3305	5.010132	33.69676	.2039361	.0149087
Stddev	.0033663	1.3384	.030538	.05707	.0021190	.0010197
%RSD	3.939480	.6393751	.6095172	.1693515	1.039063	6.839888
#1	.0823159	210.6055	5.038242	33.75326	.2029242	.0160854
#2	.0890080	207.9366	4.977640	33.63914	.2063713	.0142840
#3	.0850240	209.4494	5.014512	33.69788	.2025126	.0143566

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4865048	.1901632	1.545899	7.692359	F 13.99332	.0825425
Stddev	.4023747	.0020167	.003285	.179827	.04466	.0024039
%RSD	82.70724	1.060522	.2124939	2.337738	.3191178	2.912274
#1	.7895762	.1887490	1.547006	7.886489	13.95243	.0853167
#2	.6399546	.1892681	1.542203	7.531475	14.04097	.0810761
#3	.0299836	.1924726	1.548487	7.659113	13.98655	.0812347

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-14 Acquired: 12/20/2024 22:02:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJT8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008616	.6836019	8.851605	.0151722	1.337806	-.068142
Stddev	.0004224	.0063706	.067008	.0004511	.009242	.000394
%RSD	49.02573	.9319129	.7570155	2.973528	.6907962	.5775145
#1	.0012626	.6782205	8.916045	.0151611	1.345291	-.068596
#2	.0009017	.6906360	8.782295	.0147268	1.327477	-.067942
#3	.0004206	.6819492	8.856474	.0156289	1.340649	-.067890

Elem	Li6707
Units	ppm
Avg	.1304644
Stddev	.0037484
%RSD	2.873155
#1	.1283923
#2	.1282094
#3	.1347914

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2367.775	29114.97	3041.928	2010.677	2075.037
Stddev	4.154	184.49	20.597	11.814	4.755
%RSD	.1754229	.6336461	.6771044	.5875469	.2291451
#1	2363.099	29145.57	3019.563	2008.945	2071.677
#2	2369.188	28917.09	3060.116	1999.826	2072.957
#3	2371.037	29282.24	3046.105	2023.262	2080.478

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-15 Acquired: 12/20/2024 22:06:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJY7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1295809	-.071074	1.272721	.0987399	.0341678	87.70278
Stddev	.0062970	.000358	.008596	.0022948	.0014566	.51290
%RSD	4.859518	.5030688	.6754120	2.324054	4.263136	.5848171
#1	.1236270	-.070951	1.282200	.0963729	.0329704	87.21216
#2	.1289432	-.070794	1.270529	.0988919	.0337435	88.23538
#3	.1361724	-.071476	1.265432	.1009549	.0357895	87.66080

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.322710	.0098510	.0069174	72.17695	.1447040	.1200718
Stddev	.006762	.0001099	.0001011	.34790	.0001135	.0005073
%RSD	.5112358	1.115959	1.462077	.4820086	.0784583	.4224924
#1	1.317503	.0098771	.0070316	72.00232	.1448351	.1206575
#2	1.330352	.0099455	.0068392	72.57757	.1446388	.1197718
#3	1.320274	.0097304	.0068813	71.95095	.1446382	.1197861

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3289769	198.4144	7.682869	27.88244	.2228854	.0165426
Stddev	.0029785	1.1681	.042544	.24290	.0003005	.0009663
%RSD	.9053876	.5887218	.5537484	.8711480	.1348232	5.841522
#1	.3268822	197.3035	7.636328	27.62126	.2226084	.0156624
#2	.3323866	199.6323	7.719756	28.10157	.2232049	.0175766
#3	.3276619	198.3075	7.692524	27.92448	.2228429	.0163888

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9376494	.2227662	1.057386	11.47062	F 15.16470	.1032087
Stddev	.6469468	.0027879	.012652	.07166	.02546	.0010159
%RSD	68.99667	1.251474	1.196526	.6246844	.1679223	.9843180
#1	.3340356	.2258599	1.070982	11.43323	15.19406	.1022843
#2	1.620610	.2219900	1.045958	11.55324	15.15140	.1030456
#3	.858303	.2204487	1.055218	11.42540	15.14863	.1042963

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-15 Acquired: 12/20/2024 22:06:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJY7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065464	5.114309	10.05203	.1705486	1.320745	.0125143
Stddev	.0002694	.014868	.14793	.0011481	.003364	.0002998
%RSD	4.115866	.2907178	1.471663	.6731540	.2547296	2.395927
#1	.0062811	5.131436	9.97047	.1703947	1.317054	.0128570
#2	.0065383	5.106782	10.22279	.1717658	1.323640	.0123855
#3	.0068198	5.104710	9.96283	.1694853	1.321541	.0123003

Elem	Li6707
Units	ppm
Avg	.1414395
Stddev	.0032011
%RSD	2.263234
#1	.1433579
#2	.1432165
#3	.1377441

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2300.906	28166.20	2958.316	1946.197	2051.648
Stddev	8.138	106.68	34.824	16.174	12.163
%RSD	.3536682	.3787491	1.177144	.8310480	.5928541
#1	2292.431	28188.13	2980.534	1945.109	2037.622
#2	2301.628	28260.21	2918.182	1962.887	2058.018
#3	2308.659	28050.26	2976.233	1930.594	2059.303

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-16 Acquired: 12/20/2024 22:10:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJY8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1970718	-.128449	1.088224	.1510832	.0597008	77.49839
Stddev	.0057945	.002530	.002397	.0029888	.0019534	.22428
%RSD	2.940279	1.969901	.2202397	1.978225	3.271946	.2894013
#1	.1928948	-.131371	1.085462	.1542750	.0617352	77.24374
#2	.2036869	-.126985	1.089457	.1483507	.0578401	77.58488
#3	.1946337	-.126991	1.089755	.1506239	.0595272	77.66654

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.340738	.0116506	.0079284	76.90815	.1086357	.1123139
Stddev	.003525	.0000567	.0001071	.24946	.0006385	.0006462
%RSD	.2629438	.4868681	1.351336	.3243639	.5877480	.5753413
#1	1.336673	.0117124	.0080453	76.63281	.1093593	.1125886
#2	1.342588	.0116388	.0078349	77.11912	.1083964	.1127774
#3	1.342953	.0116008	.0079049	76.97253	.1081515	.1115757

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4366128	306.6488	6.474981	26.26707	.1955190	.0227026
Stddev	.0052876	.7934	.015723	.12783	.0008092	.0003248
%RSD	1.211053	.2587387	.2428203	.4866655	.4138816	1.430490
#1	.4413182	305.7351	6.457415	26.19051	.1956874	.0228128
#2	.4308906	307.0474	6.487734	26.19605	.1962308	.0229579
#3	.4376297	307.1639	6.479795	26.41464	.1946389	.0223371

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.034478	.2573794	1.024380	8.841814	F 17.98309	.1149314
Stddev	.523929	.0016421	.011509	.138323	.01034	.0035008
%RSD	50.64669	.6380156	1.123506	1.564422	.0574917	3.045970
#1	1.275035	.2581755	1.026211	8.756965	17.99346	.1170289
#2	.433470	.2584716	1.012065	8.767046	17.98303	.1168752
#3	1.394929	.2554909	1.034864	9.001430	17.97278	.1108900

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-16 Acquired: 12/20/2024 22:10:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJY8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0180393	4.185453	9.953071	.0934402	1.150322	-.077350
Stddev	.0003541	.008680	.011203	.0002157	.003801	.000156
%RSD	1.962721	.2073762	.1125625	.2308058	.3304583	.2014566
#1	.0182247	4.178498	9.962972	.0934297	1.146312	-.077469
#2	.0176311	4.195180	9.940910	.0932301	1.150782	-.077406
#3	.0182622	4.182680	9.955330	.0936610	1.153873	-.077173

Elem	Li6707
Units	ppm
Avg	.1224310
Stddev	.0010099
%RSD	.8248644
#1	.1216052
#2	.1221310
#3	.1235569

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2263.806	27911.66	2933.486	1918.724	2053.379
Stddev	1.402	92.68	5.566	1.760	.939
%RSD	.0619171	.3320559	.1897444	.0917247	.0457299
#1	2262.203	27861.24	2928.603	1917.289	2052.712
#2	2264.416	27855.12	2932.308	1918.195	2052.972
#3	2264.799	28018.62	2939.546	1920.688	2054.453

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-17 Acquired: 12/20/2024 22:14:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJY9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1529786	-.061349	1.031796	.0920477	.0307298	88.91767
Stddev	.0036015	.001204	.002374	.0032294	.0017509	.60019
%RSD	2.354283	1.962708	.2301143	3.508376	5.697679	.6749979
#1	.1554818	-.059995	1.029937	.0889577	.0294304	88.41790
#2	.1546030	-.061753	1.034471	.0917850	.0300381	88.75174
#3	.1488509	-.062300	1.030980	.0954004	.0327209	89.58337

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.538260	.0091507	.0075308	98.19555	.1340942	.1367930
Stddev	.010493	.0001187	.0001542	.59960	.0001800	.0002647
%RSD	.6821454	1.297142	2.047402	.6106200	.1342082	.1935344
#1	1.527513	.0091896	.0076573	97.76122	.1339408	.1364996
#2	1.538786	.0090175	.0075761	97.94577	.1342923	.1370142
#3	1.548480	.0092451	.0073590	98.87966	.1340496	.1368651

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3188298	185.4769	9.748066	36.48159	.2191881	.0150500
Stddev	.0091401	1.3430	.055065	.10248	.0014581	.0009869
%RSD	2.866776	.7240693	.5648775	.2809040	.6652038	6.557369
#1	.3108292	184.2190	9.687478	36.41022	.2200188	.0139449
#2	.3168692	185.3204	9.761659	36.43555	.2200410	.0158435
#3	.3287912	186.8913	9.795061	36.59902	.2175045	.0153617

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3004185	.2362077	1.037482	8.886631	F 14.70869	.0959402
Stddev	.5936871	.0070111	.006741	.102578	.02353	.0013499
%RSD	197.6200	2.968174	.6497361	1.154293	.1599670	1.407004
#1	.7821976	.2363866	1.033600	8.793098	14.73282	.0944138
#2	-.362823	.2291090	1.045266	8.870461	14.70743	.0964295
#3	.481881	.2431277	1.033580	8.996333	14.68581	.0969771

Reviewed By:Jaswal
On:12/23/2024
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Inst Id :P5

Sample Name: P5009-17 Acquired: 12/20/2024 22:14:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJY9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060098	3.908722	9.682736	.0669850	1.232807	.0695131
Stddev	.0006309	.009496	.056252	.0006178	.008489	.0004571
%RSD	10.49838	.2429424	.5809473	.9223251	.6886278	.6575999
#1	.0065883	3.919334	9.659638	.0663605	1.225532	.0691417
#2	.0053371	3.905807	9.641710	.0675960	1.230754	.0693740
#3	.0061039	3.901025	9.746860	.0669985	1.242134	.0700236

Elem	Li6707
Units	ppm
Avg	.1389161
Stddev	.0024861
%RSD	1.789624
#1	.1366885
#2	.1384618
#3	.1415980

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2361.879	29030.78	3049.903	2004.664	2031.858
Stddev	7.623	159.79	8.471	10.609	4.941
%RSD	.3227619	.5504021	.2777430	.5292085	.2431895
#1	2362.264	29014.50	3040.157	2000.149	2027.709
#2	2369.303	28879.75	3054.058	1997.059	2037.324
#3	2354.071	29198.08	3055.494	2016.783	2030.541

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-18 Acquired: 12/20/2024 22:18:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJZ0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1439349	-.070594	.4259723	.1015293	.0395640	82.01422
Stddev	.0011694	.002131	.0030972	.0054333	.0016625	.62513
%RSD	.8124284	3.018756	.7270932	5.351439	4.202092	.7622231
#1	.1451202	-.071336	.4271394	.0971662	.0411043	81.29314
#2	.1427822	-.068191	.4224611	.1076151	.0378016	82.34616
#3	.1439022	-.072255	.4283164	.0998066	.0397862	82.40337

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.587523	.0089774	.0072732	184.5859	.1238208	.1512910
Stddev	.011383	.0001352	.0001749	1.1807	.0007257	.0001808
%RSD	.7170046	1.505896	2.404487	.6396276	.5861168	.1195185
#1	1.574497	.0088241	.0073493	183.2286	.1244360	.1514711
#2	1.595556	.0090797	.0070731	185.3757	.1240060	.1512923
#3	1.592516	.0090284	.0073971	185.1533	.1230205	.1511095

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2719776	230.0526	12.81637	50.71014	.2339334	.0174866
Stddev	.0050895	1.7079	.09025	.34521	.0010704	.0004837
%RSD	1.871283	.7423745	.7042133	.6807612	.4575838	2.766029
#1	.2679732	228.0818	12.71234	50.31388	.2349907	.0169282
#2	.2702546	231.1009	12.86304	50.87084	.2328503	.0177542
#3	.2777049	230.9750	12.87374	50.94572	.2339594	.0177774

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7786354	.2307009	.7927623	8.084962	F 12.89395	.0935617
Stddev	.1743652	.0021746	.0185991	.067830	.01671	.0044229
%RSD	22.39369	.9425867	2.346111	.8389667	.1296134	4.727268
#1	.5977963	.2316738	.8103524	8.151635	12.90292	.0886116
#2	.7923989	.2322192	.7732964	8.016031	12.87467	.0949485
#3	.9457109	.2282098	.7946380	8.087220	12.90427	.0971250

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-18 Acquired: 12/20/2024 22:18:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJZ0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071172	1.721960	9.661372	.0297955	1.299657	-.002618
Stddev	.0001642	.004022	.071913	.0009676	.008211	.000757
%RSD	2.307299	.2335786	.7443342	3.247569	.6317558	28.89939
#1	.0072142	1.717645	9.603272	.0294944	1.290260	-.001866
#2	.0069276	1.722632	9.741801	.0290141	1.305443	-.003379
#3	.0072098	1.725604	9.639044	.0308778	1.303269	-.002609

Elem	Li6707
Units	ppm
Avg	.1355849
Stddev	.0046075
%RSD	3.398233
#1	.1341146
#2	.1407481
#3	.1318921

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2409.217	29616.70	3133.249	2038.991	1990.236
Stddev	7.890	118.98	27.523	8.588	5.643
%RSD	.3274730	.4017169	.8784311	.4211821	.2835252
#1	2407.659	29511.42	3163.547	2033.797	1988.711
#2	2417.769	29745.78	3109.790	2048.903	1996.485
#3	2402.223	29592.92	3126.410	2034.272	1985.513

Reviewed By:Jaswal
On:12/23/2024
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Inst Id :P5

Sample Name: P5009-19 Acquired: 12/20/2024 22:21:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJZ1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1055096	-.065797	.3420953	.0897441	.0322515	74.86451
Stddev	.0044570	.000649	.0015626	.0051957	.0014364	.17846
%RSD	4.224283	.9859742	.4567731	5.789429	4.453888	.2383716
#1	.1046900	-.066416	.3438676	.0920125	.0325732	74.66756
#2	.1015193	-.065122	.3415019	.0837999	.0306815	74.91052
#3	.1103195	-.065853	.3409162	.0934198	.0334999	75.01547

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.162267	.0083677	.0049504	196.5527	.1168955	.1287844
Stddev	.001206	.0001791	.0000924	.6074	.0005077	.0001874
%RSD	.1037470	2.140853	1.866027	.3090202	.4343231	.1455414
#1	1.161202	.0085676	.0050329	195.9602	.1168372	.1289135
#2	1.162021	.0083139	.0049676	196.5240	.1164194	.1285695
#3	1.163576	.0082216	.0048506	197.1739	.1174298	.1288703

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2482098	207.8374	9.579361	59.40943	.2014754	.0165110
Stddev	.0060586	.6866	.028584	.26433	.0017148	.0003404
%RSD	2.440907	.3303329	.2983910	.4449326	.8511169	2.061357
#1	.2438938	207.0890	9.548979	59.13900	.2030557	.0168827
#2	.2455996	207.9849	9.583384	59.42208	.1996520	.0164360
#3	.2551360	208.4382	9.605721	59.66720	.2017184	.0162145

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7510579	.1987322	.6664700	12.50148	F 11.04894	.0945527
Stddev	.5670547	.0050751	.0115813	.09638	.02681	.0014998
%RSD	75.50081	2.553754	1.737705	.7709766	.2426642	1.586193
#1	.0987953	.1996673	.6547709	12.59065	11.05916	.0962844
#2	1.126850	.1932545	.6667093	12.39922	11.01852	.0937082
#3	1.027528	.2032748	.6779298	12.51456	11.06914	.0936656

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-19 Acquired: 12/20/2024 22:21:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJZ1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046270	1.346862	7.065656	.0316725	1.658862	.0489470
Stddev	.0005328	.004838	.046694	.0009318	.004946	.0005036
%RSD	11.51424	.3592011	.6608640	2.941952	.2981262	1.028811
#1	.0049512	1.348715	7.028818	.0306272	1.653155	.0495241
#2	.0049176	1.341372	7.118171	.0319743	1.661541	.0485970
#3	.0040121	1.350500	7.049979	.0324160	1.661891	.0487199

Elem	Li6707
Units	ppm
Avg	.1342927
Stddev	.0029922
%RSD	2.228127
#1	.1376444
#2	.1318902
#3	.1333434

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2251.723	27815.53	2933.327	1909.502	1944.353
Stddev	3.384	46.07	8.623	.485	3.805
%RSD	.1502684	.1656101	.2939584	.0254251	.1957137
#1	2255.628	27839.54	2928.797	1909.793	1946.451
#2	2249.867	27844.64	2927.913	1909.771	1946.647
#3	2249.674	27762.42	2943.270	1908.941	1939.960

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-20 Acquired: 12/20/2024 22:25:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJZ2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0796754	-.045314	.2114641	.0683886	.0248638	60.70938	1.118630
Stddev	.0031611	.001981	.0012900	.0013835	.0017253	.27274	.005670
%RSD	3.967499	4.371034	.6100179	2.022980	6.939009	.4492520	.5069057
#1	.0771322	-.043850	.2114052	.0676229	.0256916	60.40111	1.112183
#2	.0832146	-.047568	.2127824	.0699856	.0260192	60.80770	1.122847
#3	.0786795	-.044524	.2102045	.0675572	.0228805	60.91932	1.120859

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066413	.0038313	191.6647	.0935854	.1094795	.1987258	170.4639
Stddev	.0002199	.0001019	.8131	.0012457	.0004106	.0012758	.7299
%RSD	3.310801	2.659228	.4242526	1.331074	.3750608	.6420019	.4282076
#1	.0064433	.0038305	190.7680	.0929863	.1091246	.1973162	169.6326
#2	.0066029	.0039336	191.8720	.0950175	.1093848	.1998014	170.7594
#3	.0068779	.0037299	192.3541	.0927526	.1099292	.1990597	170.9998

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.197673	47.75025	.1567937	.0133948	1.427989	.1548664	.5996834
Stddev	.037518	.35935	.0006011	.0005086	.534214	.0020444	.0120156
%RSD	.4576656	.7525522	.3833410	3.797189	37.41026	1.320089	2.003661
#1	8.154402	47.36267	.1574256	.0136571	1.006423	.1532230	.5939387
#2	8.221135	47.81575	.1567264	.0137187	1.248776	.1542206	.5916185
#3	8.217481	48.07235	.1562292	.0128086	2.028767	.1571558	.6134930

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.49727	8.310850	.0956032	.0036293	.9337022	9.605452	.0161909
Stddev	.09767	.021893	.0027689	.0004823	.0053069	.076635	.0025425
%RSD	.9304632	.2634233	2.896208	13.28859	.5683765	.7978280	15.70321
#1	10.48799	8.289708	.0947258	.0036759	.9310640	9.571198	.0147489
#2	10.40457	8.333423	.0933793	.0031254	.9398112	9.693239	.0146972
#3	10.59925	8.309418	.0987044	.0040866	.9302314	9.551918	.0191265

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-20 Acquired: 12/20/2024 22:25:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJZ2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.045199	.0573513	.1110309
Stddev	.005804	.0002031	.0010164
%RSD	.5552963	.3541186	.9154306
#1	1.038607	.0574653	.1100166
#2	1.049541	.0571169	.1120495
#3	1.047450	.0574719	.1110266

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2164.792	26754.49	2834.454	1843.256	1986.128
Stddev	4.139	183.23	24.445	11.550	5.399
%RSD	.1911991	.6848403	.8624301	.6266336	.2718195
#1	2168.203	26898.90	2862.323	1856.172	1991.739
#2	2165.985	26816.19	2816.636	1839.681	1985.672
#3	2160.187	26548.38	2824.405	1833.916	1980.971

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-21 Acquired: 12/20/2024 22:29:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJZ3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0781032	.0058424	.2113364	.0207816	.0049275	39.80662
Stddev	.0020667	.0009821	.0010506	.0045990	.0001651	.18668
%RSD	2.646105	16.80918	.4971104	22.12985	3.350340	.4689554
#1	.0798533	.0063633	.2102769	.0154940	.0049197	39.66436
#2	.0786333	.0047096	.2113546	.0230003	.0050963	39.73750
#3	.0758232	.0064542	.2123778	.0238507	.0047664	40.01800

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5737404	.0043932	.0026190	F 1313.186	.0659099	.1138061
Stddev	.0024017	.0000245	.0001239	12.688	.0005111	.0004254
%RSD	.4186017	.5575926	4.730591	.9662370	.7753939	.3737585
#1	.5721273	.0043745	.0025029	1307.034	.0656274	.1136806
#2	.5725934	.0043841	.0026047	1304.747	.0656025	.1142801
#3	.5765006	.0044209	.0027494	1327.778	.0664999	.1134576

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1898376	114.3047	11.33661	168.0623	.1114479	.0112067
Stddev	.0051608	.6400	.03534	.4197	.0013054	.0009859
%RSD	2.718518	.5599253	.3117017	.2497292	1.171261	8.797033
#1	.1894149	113.9707	11.32881	167.9242	.1118888	.0108073
#2	.1951967	113.9008	11.30582	167.7291	.1124758	.0123296
#3	.1849011	115.0427	11.37519	168.5337	.1099793	.0104832

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.417159	.0959111	.4693594	8.808125	7.348773	.0869210
Stddev	.579716	.0088004	.0036740	.150701	.011671	.0014690
%RSD	40.90690	9.175618	.7827694	1.710932	.1588168	1.690072
#1	2.063734	.0860108	.4652352	8.686956	7.353926	.0878976
#2	1.243961	.1028453	.4705603	8.976873	7.356980	.0852316
#3	.943783	.0988771	.4722826	8.760545	7.335412	.0876339

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-21 Acquired: 12/20/2024 22:29:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJZ3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011414	5.144652	10.45264	.0178528	.6368801	1.103123
Stddev	.0001485	.005795	.10290	.0033678	.0027044	.003842
%RSD	13.00825	.1126351	.9844779	18.86396	.4246394	.3483097
#1	.0011199	5.150175	10.46645	.0201705	.6384046	1.102199
#2	.0010049	5.138620	10.34353	.0193982	.6384782	1.099827
#3	.0012995	5.145163	10.54794	.0139897	.6337576	1.107343

Elem	Li6707
Units	ppm
Avg	.0884418
Stddev	.0010151
%RSD	1.147803
#1	.0888422
#2	.0891956
#3	.0872875

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1968.953	24417.70	2676.835	1671.190	1742.075
Stddev	2.614	106.44	23.043	6.622	3.184
%RSD	.1327786	.4358993	.8608410	.3962723	.1827752
#1	1968.191	24498.29	2674.734	1674.656	1739.997
#2	1966.804	24297.05	2700.857	1663.554	1740.487
#3	1971.864	24457.77	2654.915	1675.359	1745.741

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-22 Acquired: 12/20/2024 22:33:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJK10 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1129719	-.047927	1.192838	.0718537	.0247280	82.40922
Stddev	.0015139	.000957	.008367	.0033557	.0011612	.15140
%RSD	1.340048	1.997378	.7014368	4.670211	4.696002	.1837208
#1	.1144663	-.048829	1.184583	.0749937	.0236002	82.57939
#2	.1114392	-.048031	1.192617	.0683175	.0259200	82.28942
#3	.1130102	-.046922	1.201313	.0722500	.0246638	82.35887

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.218946	.0083921	.0063909	65.14682	.1309173	.1089932
Stddev	.002690	.0001253	.0000751	.05922	.0009805	.0007361
%RSD	.2206904	1.493232	1.174687	.0909068	.7489155	.6753742
#1	1.221969	.0083718	.0064743	65.18981	.1320268	.1092567
#2	1.216815	.0082781	.0063286	65.17137	.1305576	.1081616
#3	1.218055	.0085263	.0063699	65.07926	.1301675	.1095614

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3007031	144.8513	7.229455	25.77747	.2008631	.0123643
Stddev	.0060443	.2389	.004693	.07551	.0001354	.0007595
%RSD	2.010060	.1649478	.0649113	.2929315	.0674120	6.142548
#1	.3050421	145.1240	7.229433	25.73695	.2007214	.0127176
#2	.3032679	144.6789	7.234159	25.86460	.2008768	.0114925
#3	.2937993	144.7510	7.224774	25.73088	.2009912	.0128828

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6991345	.1881144	1.015288	10.26416	F 16.63066	.0872964
Stddev	.7681124	.0054733	.002998	.07513	.02223	.0003846
%RSD	109.8662	2.909548	.2952423	.7319378	.1336626	.4405651
#1	1.572427	.1943265	1.016952	10.34750	16.61174	.0870683
#2	.128261	.1840013	1.011828	10.24336	16.62510	.0870805
#3	.396716	.1860153	1.017084	10.20163	16.65514	.0877405

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5009-22 Acquired: 12/20/2024 22:33:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJK10 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0055982	4.838220	9.993033	.0659586	1.230224	.0615786
Stddev	.0006170	.005612	.045084	.0028924	.004387	.0003640
%RSD	11.02211	.1159897	.4511535	4.385237	.3566292	.5910816
#1	.0062680	4.834581	10.04471	.0663501	1.235046	.0614463
#2	.0050528	4.835397	9.97267	.0686354	1.226468	.0612992
#3	.0054738	4.844683	9.96173	.0628904	1.229158	.0619902

Elem	Li6707
Units	ppm
Avg	.1277138
Stddev	.0006377
%RSD	.4993606
#1	.1270353
#2	.1283010
#3	.1278052

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2286.224	28406.17	2950.456	1952.188	2033.289
Stddev	1.745	174.23	21.673	14.688	.542
%RSD	.0763216	.6133600	.7345704	.7523934	.0266789
#1	2287.050	28220.84	2929.002	1937.662	2033.640
#2	2287.402	28431.06	2950.024	1951.869	2033.563
#3	2284.219	28566.62	2972.342	1967.033	2032.664

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165301BL Acquired: 12/20/2024 22:37:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS301 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019415	.0014607	-.001982	.0000159	-.001355	-.004813
Stddev	.0027663	.0014146	.001526	.0029290	.000882	.033051
%RSD	142.4841	96.84732	76.99413	18378.98	65.11403	686.6497
#1	-.000356	.0020659	-.000981	-.003354	-.001157	-.028956
#2	.005012	-.000156	-.001227	.001454	-.002320	.032855
#3	.001168	.002472	-.003739	.001948	-.000589	-.018339

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001579	.0001051	.0000317	.0207189	-.000798	.0002977
Stddev	.000611	.0000351	.0000846	.0288575	.000621	.0001016
%RSD	38.70190	33.35663	266.6183	139.2809	77.77302	34.11547
#1	-.001543	.0000646	.0001161	-.003603	-.000132	.0002189
#2	-.002208	.0001256	-.000053	.052605	-.001361	.0002619
#3	-.000987	.0001251	.000032	.013154	-.000901	.0004123

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009831	.0308245	.0015228	.0935759	.0002697	-.000086
Stddev	.0061931	.0586155	.0005891	.0822109	.0002404	.000398
%RSD	629.9325	190.1587	38.68866	87.85481	89.15390	464.1520
#1	.0051852	-.007595	.0010910	.1619337	.0004743	.000027
#2	.0038931	.001777	.0012834	.0023528	.0000049	-.000528
#3	-.006129	.098291	.0021940	.1164412	.0003299	.000244

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.409789	-.001882	-.002100	-.226375	-.002187	.0001240
Stddev	.375223	.003724	.004979	.146148	.003334	.0016799
%RSD	91.56485	197.9153	237.0435	64.56023	152.4171	1354.638
#1	-.106597	-.005761	-.007827	-.253039	-.000974	-.001816
#2	-.829430	-.001548	.001199	-.068730	.000370	.001111
#3	-.293341	.001664	.000327	-.357354	-.005958	.001077

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165301BL Acquired: 12/20/2024 22:37:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS301 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001477	-.004997	-.000621	F -.014172	.0011261	-.000027
Stddev	.0000757	.003599	.000368	.000350	.0008451	.000171
%RSD	51.29495	72.02853	59.38095	2.470457	75.04552	644.4427
#1	.0002232	-.001795	-.000486	-.013788	.0007908	.000169
#2	.0001480	-.004304	-.000338	-.014253	.0005001	-.000150
#3	.0000717	-.008893	-.001037	-.014475	.0020874	-.000098

Elem	Li6707
Units	ppm
Avg	.0024998
Stddev	.0015362
%RSD	61.45341
#1	.0009540
#2	.0025192
#3	.0040263

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1832.270	22678.40	2308.109	1561.550	2159.765
Stddev	1.557	25.94	19.970	2.686	1.203
%RSD	.0849617	.1143876	.8652263	.1720260	.0556846
#1	1834.022	22653.96	2330.143	1564.283	2159.787
#2	1831.742	22705.62	2302.982	1558.913	2158.551
#3	1831.046	22675.63	2291.202	1561.453	2160.956

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165301BS Acquired: 12/20/2024 22:41:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS30Z Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0210100	.0525341	.0175874	.0585649	.1008991	.4024012
Stddev	.0047406	.0002172	.0012148	.0032942	.0030251	.0114395
%RSD	22.56338	.4134103	6.907179	5.624816	2.998143	2.842805
#1	.0262825	.0526006	.0163530	.0609210	.0987277	.3893879
#2	.0170996	.0522915	.0176275	.0599730	.0996152	.4108705
#3	.0196479	.0527103	.0187816	.0548007	.1043544	.4069451

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4053494	.0103941	.0097595	10.02556	.0206757	.0998146
Stddev	.0008860	.0002640	.0000789	.10929	.0013014	.0005992
%RSD	.2185748	2.540058	.8081845	1.090076	6.294329	.6003377
#1	.4046788	.0101226	.0097755	10.01252	.0198522	.0994384
#2	.4050156	.0104097	.0096738	9.92338	.0221760	.0994997
#3	.4063538	.0106500	.0098291	10.14079	.0199988	.1005056

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0507154	.1923198	.0316969	10.40041	.0771970	.0196721
Stddev	.0049977	.0370721	.0003530	.12503	.0002062	.0006580
%RSD	9.854466	19.27625	1.113577	1.202192	.2670513	3.344992
#1	.0558075	.2215438	.0314381	10.36064	.0774280	.0204289
#2	.0458177	.2047967	.0315535	10.30011	.0770318	.0193529
#3	.0505210	.1506190	.0320990	10.54049	.0771312	.0192346

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.21785	.1037514	.1096826	9.273926	.0142978	F -.002022
Stddev	.63697	.0049887	.0081905	.152371	.0020333	.002449
%RSD	6.233943	4.808290	7.467493	1.643008	14.22090	121.1206
#1	9.52902	.1007455	.1135084	9.425131	.0119524	-.004626
#2	10.33894	.1009987	.1002792	9.120415	.0153775	.000235
#3	10.78558	.1095099	.1152602	9.276233	.0155635	-.001675

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165301BS Acquired: 12/20/2024 22:41:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS30Z Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0185696	.1727691	F .4837464	F -.000948	.2009966	.2085136
Stddev	.0003307	.0028146	.0083824	.000663	.0049297	.0013002
%RSD	1.781032	1.629127	1.732811	69.99923	2.452612	.6235771
#1	.0188920	.1758124	.4790654	-.000490	.1954991	.2079807
#2	.0185858	.1722351	.4787500	-.000645	.2024668	.2075645
#3	.0182311	.1702597	.4934239	-.001708	.2050238	.2099957

Elem	Li6707
Units	ppm
Avg	.0339321
Stddev	.0042055
%RSD	12.39381
#1	.0387880
#2	.0314721
#3	.0315361

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1845.058	22905.56	2327.290	1582.992	2162.400
Stddev	4.137	192.69	23.865	9.562	2.163
%RSD	.2242348	.8412258	1.025426	.6040319	.1000079
#1	1840.621	22964.19	2329.620	1589.190	2159.945
#2	1845.744	22690.37	2349.904	1571.980	2163.227
#3	1848.810	23062.13	2302.346	1587.807	2164.026

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-01DLX2 Acquired: 12/20/2024 22:45:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZD9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2646015	-.190751	.1115786	.1967784	.0877692	177.0911	.2525311
Stddev	.0065061	.003274	.0011871	.0018979	.0014958	.6222	.0007091
%RSD	2.458823	1.716150	1.063871	.9644943	1.704192	.3513278	.2807835
#1	.2693062	-.187149	.1127561	.1946650	.0874740	176.5174	.2527970
#2	.2673214	-.193544	.1115976	.1973326	.0864431	177.0035	.2517275
#3	.2571768	-.191560	.1103822	.1983375	.0893906	177.7525	.2530687

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0096026	.0030470	41.72605	.7486850	.3257323	1.034733	399.3387
Stddev	.0000881	.0001063	.18670	.0141806	.0009876	.011925	1.2151
%RSD	.9171910	3.490071	.4474393	1.894068	.3031781	1.152514	.3042725
#1	.0097033	.0030681	41.71613	.7421940	.3256382	1.028497	398.6887
#2	.0095399	.0029317	41.54451	.7389116	.3247952	1.048484	398.5869
#3	.0095647	.0031412	41.91751	.7649493	.3267636	1.027218	400.7405

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.508220	127.4098	.5017605	.0208983	.0578469	.9785721	.3339409
Stddev	.030365	.4952	.0017871	.0016045	.5299751	.0155947	.0035982
%RSD	.3568899	.3886764	.3561568	7.677597	916.1685	1.593621	1.077504
#1	8.508723	127.0667	.5012549	.0207840	-.112451	.9965270	.3344529
#2	8.477607	127.1852	.5002807	.0225569	-.366045	.9707820	.3372557
#3	8.538331	127.9775	.5037459	.0193541	.652037	.9684072	.3301141

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.010660	2.012227	.0695586	-.001639	.2526412	4.294026	.0307219
Stddev	.125971	.011987	.0036202	.000830	.0022481	.034768	.0015609
%RSD	1181.734	.5957295	5.204523	50.66823	.8898403	.8096834	5.080781
#1	-.148641	2.010794	.0712853	-.002029	.2520905	4.266437	.0323888
#2	.098202	2.001021	.0719921	-.000685	.2551135	4.282562	.0304823
#3	.018459	2.024867	.0653983	-.002202	.2507197	4.333078	.0292947

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-01DLX2 Acquired: 12/20/2024 22:45:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZD9 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.430697	-.240510	.0747345
Stddev	.014027	.000557	.0038414
%RSD	.2582915	.2314621	5.140037
#1	5.414676	-.240452	.0742730
#2	5.436645	-.239984	.0711447
#3	5.440770	-.241093	.0787857

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1953.131	23797.41	2524.337	1643.818	2077.009
Stddev	3.169	255.84	8.058	12.399	.755
%RSD	.1622516	1.075088	.3192109	.7542595	.0363524
#1	1952.306	23936.83	2533.603	1648.505	2077.368
#2	1950.456	23953.26	2520.441	1653.191	2076.141
#3	1956.631	23502.14	2518.967	1629.760	2077.517

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-02DLX2 Acquired: 12/20/2024 22:49:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZE0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2647084	-.148186	.1444737	.1523601	.0697929	139.5095	.4266530
Stddev	.0074091	.002221	.0033004	.0062223	.0009950	1.4804	.0042546
%RSD	2.798966	1.499097	2.284425	4.083976	1.425663	1.061164	.9972020
#1	.2562633	-.145689	.1463778	.1454802	.0704997	138.0099	.4230742
#2	.2701163	-.149943	.1406627	.1540062	.0686550	139.5485	.4255277
#3	.2677457	-.148927	.1463805	.1575940	.0702239	140.9700	.4313571

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0086533	.0038255	38.04896	.5027351	.2198150	.7336963	319.2669
Stddev	.0000849	.0000348	.35573	.0214904	.0011076	.0082937	2.8457
%RSD	.9807097	.9085370	.9349344	4.274703	.5038770	1.130397	.8913212
#1	.0086332	.0038513	37.69239	.5257566	.2201221	.7284322	316.4446
#2	.0087464	.0038394	38.05065	.4832028	.2185862	.7293999	319.2206
#3	.0085803	.0037860	38.40385	.4992459	.2207366	.7432567	322.1354

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.565268	96.86028	.3498655	.0171040	.2624577	.7644474	.4078623
Stddev	.040853	.74267	.0011837	.0017270	.6600093	.0034094	.0229211
%RSD	.7340619	.7667394	.3383369	10.09695	251.4726	.4459980	5.619821
#1	5.522462	96.16615	.3506548	.0151141	-.484764	.7606541	.4278537
#2	5.569506	96.77123	.3485044	.0179869	.506232	.7654319	.3828454
#3	5.603837	97.64345	.3504372	.0182111	.765904	.7672563	.4128878

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.260655	3.484737	.0605411	-.000916	.4221944	3.595323	.0208594
Stddev	.113499	.012408	.0059078	.000144	.0070763	.013162	.0004925
%RSD	1.563205	.3560811	9.758374	15.71863	1.676078	.3660732	2.360867
#1	7.158565	3.485594	.0538093	-.000852	.4230848	3.607554	.0210046
#2	7.382870	3.471922	.0629502	-.001081	.4147150	3.581395	.0212629
#3	7.240529	3.496695	.0648636	-.000815	.4287833	3.597021	.0203107

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-02DLX2 Acquired: 12/20/2024 22:49:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZE0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.944926	-.155123	.0719552
Stddev	.028606	.001223	.0022627
%RSD	.9713552	.7886684	3.144525
#1	2.915203	-.153942	.0743041
#2	2.947309	-.155043	.0697901
#3	2.972265	-.156384	.0717713

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1992.766	24513.17	2554.443	1701.988	2103.843
Stddev	4.417	903.37	7.085	61.228	2.483
%RSD	.2216702	3.685254	.2773439	3.597430	.1180268
#1	1993.491	23604.57	2556.601	1640.877	2102.744
#2	1988.032	25411.22	2560.199	1763.332	2102.098
#3	1996.777	24523.70	2546.531	1701.754	2106.686

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-03DLX2 Acquired: 12/20/2024 22:52:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZE1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2607351	-.144128	.1445954	.1495665	.0660825	134.7624	.4497271
Stddev	.0040037	.000738	.0034746	.0019025	.0007233	.6532	.0026186
%RSD	1.535554	.5123293	2.402981	1.271980	1.094612	.4846744	.5822543
#1	.2635719	-.143525	.1450209	.1492119	.0661609	134.5405	.4484256
#2	.2624781	-.143906	.1478377	.1516213	.0653231	135.4976	.4527414
#3	.2561554	-.144952	.1409277	.1478663	.0667635	134.2491	.4480143

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0085766	.0037016	37.12262	.4873145	.2232791	.7236566	307.4941
Stddev	.0001300	.0000785	.11416	.0002133	.0010489	.0113594	1.4730
%RSD	1.515686	2.120339	.3075333	.0437704	.4697808	1.569720	.4790415
#1	.0084731	.0036487	37.06417	.4872326	.2231729	.7366272	306.6566
#2	.0087225	.0036643	37.25417	.4875566	.2243771	.7188622	309.1949
#3	.0085343	.0037918	37.04951	.4871543	.2222873	.7154805	306.6308

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.594814	92.22340	.3427463	.0167634	.4168840	.7350091	.3952431
Stddev	.029619	.52675	.0002490	.0007730	.4384276	.0054063	.0071182
%RSD	.5293985	.5711685	.0726597	4.611015	105.1678	.7355410	1.800956
#1	5.582220	91.82270	.3430250	.0159667	.0608366	.7327654	.3887842
#2	5.628649	92.82004	.3425456	.0175102	.2832325	.7310860	.3940702
#3	5.573574	92.02745	.3426683	.0168133	.9065830	.7411760	.4028749

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.366695	3.188575	.0567001	-.000327	.3838631	3.949243	.0208862
Stddev	.053640	.004885	.0020161	.000315	.0016506	.009811	.0011014
%RSD	.7281436	.1531879	3.555737	96.12931	.4300038	.2484307	5.273189
#1	7.354293	3.182950	.0583307	-.000120	.3826614	3.937921	.0214660
#2	7.425450	3.191021	.0544459	-.000172	.3831826	3.955253	.0215765
#3	7.320342	3.191753	.0573238	-.000689	.3857451	3.954555	.0196160

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-03DLX2 Acquired: 12/20/2024 22:52:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZE1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	3.466907	-.147397	.0707642
Stddev	.024557	.000775	.0037273
%RSD	.7083229	.5258012	5.267243
#1	3.456712	-.146947	.0666553
#2	3.494919	-.148292	.0717094
#3	3.449089	-.146953	.0739279

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1980.384	24304.68	2559.714	1690.217	2092.494
Stddev	5.403	52.41	2.673	8.356	4.673
%RSD	.2728172	.2156249	.1044162	.4943560	.2233109
#1	1978.519	24245.38	2557.628	1683.392	2090.062
#2	1986.472	24323.88	2558.787	1699.536	2097.881
#3	1976.160	24344.78	2562.727	1687.724	2089.538

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-04DLX2 Acquired: 12/20/2024 22:56:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZE2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.139496	-.245914	.4025986	.2548080	.1132125	198.4466	.6246630
Stddev	.006079	.002285	.0013522	.0052615	.0049215	1.0030	.0019436
%RSD	.5335171	.9293776	.3358683	2.064882	4.347146	.5054375	.3111511
#1	1.137639	-.244377	.4013782	.2514104	.1079856	197.6655	.6231746
#2	1.134561	-.244824	.4023654	.2608686	.1138943	198.0964	.6239524
#3	1.146287	-.248540	.4040523	.2521450	.1177575	199.5777	.6268619

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0126313	.0125906	46.78529	.9150077	.4042978	2.716801	510.8076
Stddev	.0001941	.0001049	.24538	.0029581	.0015860	.005496	2.4907
%RSD	1.536340	.8332932	.5244814	.3232856	.3922835	.2022837	.4875952
#1	.0124079	.0126779	46.54291	.9167760	.4040651	2.714738	509.0566
#2	.0127587	.0124742	46.77940	.9166543	.4028409	2.712635	509.7072
#3	.0127271	.0126198	47.03357	.9115927	.4059872	2.723029	513.6589

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.89094	145.4765	.6544509	.0292924	.1505333	1.344949	.8267896
Stddev	.06850	.8239	.0022141	.0009331	.8076626	.004637	.0193382
%RSD	.6289467	.5663629	.3383084	3.185552	536.5342	.3447525	2.338955
#1	10.83698	145.1707	.6543615	.0284931	.7619884	1.340038	.8373226
#2	10.86783	144.8493	.6522828	.0290664	-.765039	1.345556	.8385747
#3	10.96800	146.4096	.6567082	.0303178	.454651	1.349252	.8044714

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.568573	2.130824	.0944466	-.001158	.3945496	5.439782	.0327660
Stddev	.136873	.006276	.0002860	.000389	.0046998	.040741	.0011222
%RSD	5.328749	.2945387	.3028570	33.60769	1.191188	.7489467	3.424824
#1	2.570841	2.132225	.0941941	-.000768	.3895156	5.405969	.0314702
#2	2.430580	2.123966	.0947573	-.001159	.3988223	5.428364	.0334153
#3	2.704298	2.136282	.0943884	-.001547	.3953108	5.485014	.0334125

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-04DLX2 Acquired: 12/20/2024 22:56:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZE2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.434739	-.301708	.0971892
Stddev	.002605	.001378	.0023636
%RSD	.1815961	.4567128	2.431962
#1	1.432517	-.300999	.0948612
#2	1.434093	-.300828	.0995869
#3	1.437606	-.303296	.0971195

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2021.541	24851.68	2625.681	1720.368	2066.102
Stddev	5.737	34.02	23.299	5.393	5.509
%RSD	.2838159	.1369104	.8873618	.3134788	.2666462
#1	2015.097	24825.75	2640.148	1714.218	2060.485
#2	2023.433	24839.08	2638.091	1722.594	2071.497
#3	2026.094	24890.21	2598.804	1724.291	2066.324

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-05DLX2 Acquired: 12/20/2024 23:00:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZE3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9708528	-.239272	.7667334	.2458066	.1100827	238.6039	.3845518
Stddev	.0018168	.007777	.0014254	.0165699	.0075785	9.5312	.0172048
%RSD	.1871302	3.250189	.1859037	6.741030	6.884350	3.994583	4.473980
#1	.9712996	-.230890	.7662012	.2267236	.1032339	227.6067	.3646856
#2	.9688543	-.246252	.7656508	.2541479	.1182245	244.4768	.3945486
#3	.9724045	-.240675	.7683484	.2565483	.1087898	243.7282	.3944212

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0121488	.0203637	36.27822	1.075180	.3348499	3.221976	487.9580
Stddev	.0003170	.0004540	1.45232	.004329	.0003268	.123974	19.5943
%RSD	2.609490	2.229397	4.003275	.4025888	.0976034	3.847766	4.015569
#1	.0118843	.0208840	34.60204	1.071006	.3352265	3.079266	465.3673
#2	.0120618	.0200482	37.16153	1.074884	.3346394	3.303078	500.3409
#3	.0125002	.0201589	37.07109	1.079648	.3346840	3.283583	498.1658

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.639419	186.4161	.6580344	.0246755	.5305253	1.320686	1.448717
Stddev	.346763	7.4880	.0024266	.0034510	.4020905	.056282	.035168
%RSD	4.013728	4.016828	.3687670	13.98568	75.79101	4.261595	2.427544
#1	8.239061	177.7783	.6598776	.0207200	.5695458	1.255883	1.413502
#2	8.834153	191.0685	.6589404	.0270718	.9116830	1.357340	1.483838
#3	8.845042	190.4016	.6552851	.0262346	.1103471	1.348836	1.448810

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.696415	2.384806	.0778360	-.001681	.3382098	3.197134	.0346868
Stddev	.390347	.007177	.0084597	.000450	.0047796	.095042	.0029334
%RSD	10.56015	.3009521	10.86867	26.80606	1.413219	2.972727	8.456913
#1	3.250455	2.392803	.0682439	-.001160	.3331394	3.088113	.0313234
#2	3.976056	2.382689	.0842322	-.001942	.3388571	3.262540	.0360211
#3	3.862734	2.378925	.0810318	-.001939	.3426327	3.240751	.0367158

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-05DLX2 Acquired: 12/20/2024 23:00:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZE3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	3.095853	-.380604	.1186971
Stddev	.126429	.015315	.0091694
%RSD	4.083826	4.023986	7.725061
#1	2.949877	-.362931	.1083213
#2	3.167203	-.389994	.1220583
#3	3.170478	-.388887	.1257116

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1947.073	23740.93	2597.697	1648.939	2057.417
Stddev	6.108	208.19	85.901	18.915	3.452
%RSD	.3136980	.8769219	3.306812	1.147105	.1677987
#1	1941.363	23975.51	2696.827	1670.720	2053.946
#2	1946.343	23669.16	2545.153	1639.455	2057.453
#3	1953.513	23578.12	2551.111	1636.643	2060.851

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-06DLX2 Acquired: 12/20/2024 23:04:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZE4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2489663	-.217475	.1538661	.2231299	.0953311	201.8677	.2314735
Stddev	.0039637	.001681	.0033359	.0014018	.0016772	.1240	.0017300
%RSD	1.592042	.7731353	2.168043	.6282296	1.759346	.0614397	.7473850
#1	.2466949	-.218296	.1506177	.2246645	.0937003	201.7596	.2310639
#2	.2535431	-.215541	.1572831	.2219168	.0952418	202.0031	.2333715
#3	.2466609	-.218588	.1536976	.2228083	.0970511	201.8404	.2299851

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0105145	.0036348	56.90936	.8053330	.3043201	.8321056	449.8551
Stddev	.0001339	.0001405	.08771	.0075324	.0009847	.0036700	.2892
%RSD	1.273142	3.864075	.1541236	.9353110	.3235760	.4410523	.0642864
#1	.0106388	.0036297	57.00929	.8053449	.3035726	.8342402	450.0863
#2	.0105319	.0037778	56.84512	.7977947	.3039519	.8278678	449.9482
#3	.0103728	.0034970	56.87367	.8128594	.3054359	.8342087	449.5308

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.463120	167.4162	.5216629	.0215082	.4546087	1.305877	.3258158
Stddev	.013509	.3074	.0007258	.0018602	.2200863	.004352	.0157610
%RSD	.1810155	.1835995	.1391226	8.648623	48.41226	.3332623	4.837400
#1	7.455939	167.7538	.5208683	.0202384	.2007359	1.300870	.3099601
#2	7.478704	167.3422	.5222908	.0236434	.5915185	1.308753	.3414804
#3	7.454718	167.1525	.5218296	.0206427	.5715716	1.308007	.3260069

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.835553	1.673674	.0785281	-.001570	.1116889	2.837117	.0311769
Stddev	.087844	.006296	.0021925	.000529	.0039718	.006952	.0002405
%RSD	10.51328	.3761605	2.792038	33.67566	3.556121	.2450407	.7712991
#1	-.877788	1.666550	.0797958	-.002094	.1133691	2.844680	.0310226
#2	-.894303	1.675982	.0797921	-.001578	.1145446	2.831004	.0310541
#3	-.734569	1.678490	.0759964	-.001037	.1071532	2.835668	.0314540

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-06DLX2 Acquired: 12/20/2024 23:04:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZE4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	3.100617	-.309126	.0985686
Stddev	.003525	.000958	.0023025
%RSD	.1136889	.3097897	2.335884
#1	3.101187	-.310230	.0959554
#2	3.096841	-.308626	.0994516
#3	3.103822	-.308521	.1002989

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1962.625	24041.43	2552.557	1666.250	2040.661
Stddev	4.040	144.35	2.669	9.587	1.315
%RSD	.2058387	.6004309	.1045609	.5753544	.0644433
#1	1960.629	24089.60	2550.582	1668.382	2041.968
#2	1959.972	24155.54	2551.497	1674.591	2039.338
#3	1967.274	23879.15	2555.594	1655.776	2040.678

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-07DLX2 Acquired: 12/20/2024 23:08:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZE5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6715676	-.201329	.3582485	.2111571	.0942658	201.5326	.4978826
Stddev	.0048466	.002830	.0017038	.0035026	.0001089	.5530	.0024822
%RSD	.7216831	1.405566	.4756023	1.658780	.1155252	.2744024	.4985558
#1	.6719486	-.201163	.3574342	.2095999	.0943913	200.9231	.4961272
#2	.6762124	-.198587	.3602067	.2151684	.0942099	201.6723	.4967980
#3	.6665417	-.204239	.3571046	.2087032	.0941963	202.0023	.5007225

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0108211	.0219514	36.96153	.8954053	.2875242	2.239291	419.6742
Stddev	.0001456	.0000952	.04021	.0008967	.0012791	.006778	1.1125
%RSD	1.345456	.4338791	.1088021	.1001501	.4448662	.3026869	.2650980
#1	.0106764	.0218718	36.91969	.8954978	.2863074	2.235939	418.3896
#2	.0109676	.0219253	36.99990	.8962523	.2874075	2.234842	420.3268
#3	.0108193	.0220569	36.96500	.8944659	.2888576	2.247092	420.3062

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.294347	149.0908	.5509623	.0222090	1.121212	1.126759	.9773416
Stddev	.019590	.5694	.0007134	.0007087	.497888	.003859	.0122303
%RSD	.2361851	.3818928	.1294759	3.190821	44.40627	.3424728	1.251386
#1	8.272052	148.4417	.5513016	.0214340	1.284527	1.124601	.9914042
#2	8.308807	149.5057	.5501426	.0228239	1.516932	1.131214	.9714337
#3	8.302183	149.3250	.5514427	.0223691	.562177	1.124462	.9691869

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.259473	2.066238	.0795607	-.001044	.4762200	4.257508	.0284700
Stddev	.205811	.010187	.0066577	.000566	.0105595	.034204	.0016631
%RSD	4.831849	.4930396	8.368061	54.19548	2.217368	.8033697	5.841682
#1	4.037622	2.058265	.0861548	-.001436	.4881736	4.220269	.0296256
#2	4.296609	2.062734	.0728412	-.001300	.4723261	4.287520	.0292205
#3	4.444188	2.077715	.0796861	-.000395	.4681603	4.264736	.0265639

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-07DLX2 Acquired: 12/20/2024 23:08:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZE5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.536793	-.310295	.1025865
Stddev	.010886	.000936	.0025478
%RSD	.4291184	.3017279	2.483611
#1	2.524247	-.309226	.1007488
#2	2.543740	-.310687	.1054950
#3	2.542392	-.310971	.1015156

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1967.341	24115.26	2556.871	1677.980	2061.834
Stddev	2.040	133.16	6.196	10.955	2.517
%RSD	.1036808	.5521819	.2423197	.6528456	.1220578
#1	1969.503	23968.61	2560.356	1666.758	2064.368
#2	1967.070	24148.58	2549.717	1678.536	2061.799
#3	1965.451	24228.60	2560.540	1688.646	2059.335

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-08DLX2 Acquired: 12/20/2024 23:11:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZE6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2830510	-.181027	.0870940	.1888541	.0846721	165.5889	.2799563
Stddev	.0023946	.001953	.0010704	.0035234	.0010326	.6003	.0016194
%RSD	.8460103	1.079069	1.229050	1.865656	1.219523	.3625006	.5784382
#1	.2803481	-.179301	.0881663	.1894001	.0835040	164.9679	.2780873
#2	.2838972	-.180632	.0870901	.1920725	.0850494	165.6327	.2809409
#3	.2849076	-.183148	.0860255	.1850895	.0854630	166.1660	.2808406

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0093282	.0023804	46.73951	.5040963	.3850951	.8520544	386.5114
Stddev	.0001982	.0001037	.10448	.0016797	.0004991	.0057698	1.6509
%RSD	2.124556	4.357115	.2235389	.3332002	.1296157	.6771641	.4271277
#1	.0095365	.0022611	46.64207	.5021569	.3847743	.8519842	384.6276
#2	.0093058	.0024306	46.72662	.5050806	.3848407	.8463200	387.2003
#3	.0091421	.0024494	46.84984	.5050515	.3856701	.8578589	387.7063

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.540771	125.7167	.4649083	.0214481	.2373864	.9038987	.2677317
Stddev	.026758	.7580	.0006033	.0006952	.6330106	.0045558	.0083477
%RSD	.3548465	.6029236	.1297655	3.241171	266.6583	.5040178	3.117940
#1	7.510357	124.8664	.4655140	.0209095	.5148107	.9025949	.2614667
#2	7.551265	126.3217	.4643074	.0222328	-.486970	.9089643	.2645203
#3	7.560692	125.9619	.4649035	.0212020	.684319	.9001369	.2772083

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9117120	2.543421	.0689079	-.001798	.1868599	3.320740	.0283927
Stddev	.0257919	.004711	.0022932	.000334	.0015420	.026925	.0009781
%RSD	2.828950	.1852306	3.327904	18.57448	.8252077	.8108120	3.444870
#1	.9296842	2.537992	.0670884	-.001983	.1852728	3.317582	.0294279
#2	.8821596	2.545836	.0714838	-.001412	.1883524	3.349105	.0274840
#3	.9232921	2.546435	.0681517	-.001998	.1869545	3.295533	.0282662

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-08DLX2 Acquired: 12/20/2024 23:11:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZE6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	4.727994	-.247430	.0599690
Stddev	.007586	.001215	.0031844
%RSD	.1604464	.4910006	5.310043
#1	4.720668	-.246098	.0614916
#2	4.735816	-.247716	.0621063
#3	4.727499	-.248477	.0563092

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1943.915	23830.37	2513.113	1661.498	2064.811
Stddev	4.170	119.06	5.360	8.156	6.379
%RSD	.2145226	.4996063	.2132992	.4908822	.3089485
#1	1948.730	23912.70	2515.952	1668.432	2072.171
#2	1941.458	23884.55	2506.930	1663.552	2061.376
#3	1941.558	23693.86	2516.456	1652.512	2060.884

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-09DLX2 Acquired: 12/20/2024 23:15:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZE7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.038639	-.166469	1.063894	.1862898	.0801022	155.2105	.3927388
Stddev	.005412	.002632	.002992	.0073129	.0013503	.7173	.0021179
%RSD	.5210529	1.581348	.2811966	3.925555	1.685724	.4621412	.5392737
#1	1.037139	-.165658	1.060467	.1845263	.0801208	155.0670	.3918022
#2	1.034135	-.169411	1.065227	.1800199	.0814431	154.5758	.3912506
#3	1.044642	-.164337	1.065987	.1943232	.0787426	155.9887	.3951635

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0090213	.0197742	33.42310	.6305032	.2301259	3.325520	353.1162
Stddev	.0000283	.0001576	.16614	.0021223	.0001221	.017666	1.8049
%RSD	.3141118	.7967865	.4970830	.3366043	.0530568	.5312365	.5111248
#1	.0090110	.0199287	33.38938	.6325591	.2302615	3.337275	352.4386
#2	.0089995	.0196137	33.27640	.6306303	.2300914	3.305204	351.7482
#3	.0090533	.0197802	33.60351	.6283202	.2300247	3.334081	355.1618

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.902352	118.1850	.3994183	.0261617	.7030484	.9168510	1.679720
Stddev	.028873	.6662	.0012993	.0005096	.1180976	.0031731	.010236
%RSD	.4891710	.5637128	.3253062	1.947986	16.79793	.3460861	.6093590
#1	5.895012	117.8124	.3995775	.0257771	.6256432	.9154927	1.679030
#2	5.877857	117.7885	.4006307	.0259682	.8389794	.9145831	1.669847
#3	5.934185	118.9542	.3980467	.0267397	.6445227	.9204771	1.690283

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.57310	2.640419	.0718415	-.000242	1.321097	3.058880	.0258749
Stddev	.08462	.008019	.0024407	.000195	.011885	.011724	.0011234
%RSD	.8003621	.3036937	3.397347	80.76273	.8996379	.3832832	4.341693
#1	10.48498	2.635894	.0740622	-.000105	1.308774	3.051829	.0264605
#2	10.65373	2.649678	.0722341	-.000466	1.322028	3.052396	.0245797
#3	10.58058	2.635686	.0692283	-.000155	1.332489	3.072414	.0265845

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-09DLX2 Acquired: 12/20/2024 23:15:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZE7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.674222	-.238793	.0801166
Stddev	.009692	.001004	.0055378
%RSD	.3624212	.4202764	6.912122
#1	2.671001	-.238609	.0823427
#2	2.666551	-.237894	.0738122
#3	2.685115	-.239876	.0841949

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1931.634	23538.98	2503.254	1642.498	2077.350
Stddev	8.675	60.08	11.299	5.466	6.159
%RSD	.4490850	.2552178	.4513788	.3327971	.2964596
#1	1939.129	23484.51	2511.188	1637.338	2081.358
#2	1922.132	23529.02	2508.257	1648.226	2070.258
#3	1933.642	23603.42	2490.317	1641.930	2080.433

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV084 Acquired: 12/20/2024 23:19:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV084 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.915270	4.787294	24.55162	4.829882	4.835314	402.0168	10.14504
Stddev	.009119	.015805	.06611	.010818	.007934	4.2016	.10839
%RSD	.1855159	.3301460	.2692495	.2239813	.1640928	1.045136	1.068436
#1	4.906264	4.805386	24.62709	4.831759	4.837505	397.1686	10.02102
#2	4.924497	4.776169	24.50398	4.818248	4.826515	404.5981	10.22168
#3	4.915048	4.780328	24.52379	4.839639	4.841923	404.2838	10.19241

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5051689	2.474574	403.1730	15.36040	2.476921	14.92892	406.7090
Stddev	.0042816	.005655	3.6802	.02775	.006589	.15000	4.7377
%RSD	.8475599	.2285225	.9127983	.1806724	.2660222	1.004768	1.164894
#1	.5003408	2.480741	398.9369	15.39175	2.484403	14.75597	401.3655
#2	.5066612	2.469633	404.9991	15.33898	2.471984	15.00725	410.3964
#3	.5085046	2.473347	405.5829	15.35046	2.474376	15.02354	408.3649

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.91252	401.7124	2.500303	1.291011	405.3159	2.498435	14.65389
Stddev	.17042	5.0122	.007573	.001663	6.3646	.022253	.13559
%RSD	1.142807	1.247710	.3028644	.1287814	1.570269	.8906877	.9252711
#1	14.71984	396.1835	2.509045	1.292494	398.2206	2.474177	14.66699
#2	15.04348	405.9585	2.496073	1.291325	410.5218	2.517905	14.78245
#3	14.97423	402.9953	2.495789	1.289214	407.2054	2.503221	14.51223

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	149.9632	4.933796	4.884717	4.782925	4.967164	4.893169	4.925571
Stddev	1.5773	.014494	.054409	.009028	.009049	.040076	.017286
%RSD	1.051783	.2937685	1.113866	.1887446	.1821858	.8190118	.3509347
#1	148.1423	4.950000	4.826111	4.787927	4.976489	4.850801	4.943938
#2	150.9042	4.922068	4.894416	4.772504	4.966584	4.898237	4.909621
#3	150.8432	4.929319	4.933625	4.788345	4.958418	4.930470	4.923154

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV084 Acquired: 12/20/2024 23:19:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV084 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	4.998595	4.820864	5.022331
Stddev	.057468	.053245	.052346
%RSD	1.149681	1.104470	1.042271
#1	4.938162	4.760080	4.962128
#2	5.052549	4.859255	5.057109
#3	5.005073	4.843258	5.047756

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1540.061	20409.31	2265.486	1307.701	1761.537
Stddev	6.500	66.42	16.455	6.363	7.981
%RSD	.4220661	.3254249	.7263453	.4866027	.4530649
#1	1535.515	20334.46	2284.389	1303.924	1753.389
#2	1547.507	20432.29	2257.707	1304.132	1769.339
#3	1537.162	20461.19	2254.363	1315.048	1761.883

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCB084 Acquired: 12/20/2024 23:23:11 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB084 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019143	.0007552	.0028016	.0011450	-.003815	.0088139
Stddev	.0015656	.0011696	.0022877	.0027327	.001413	.0132073
%RSD	81.78290	154.8642	81.65684	238.6593	37.02999	149.8464
#1	.0010722	.0006289	.0021450	.0012138	-.003845	.0088499
#2	.0009501	-.000346	.0053458	-.001621	-.005212	-.004411
#3	.0037207	.001983	.0009140	.003843	-.002388	.022003

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002545	.0000860	.0001783	.0603763	-.000051	.0001514
Stddev	.0012049	.0001014	.0000602	.0055382	.000795	.0001399
%RSD	473.3627	117.8870	33.75790	9.172804	1566.428	92.39552
#1	.0004754	-.000007	.0002454	.0569120	.000756	.0003108
#2	.0013337	.000071	.0001291	.0574532	-.000074	.0000951
#3	-.001045	.000194	.0001604	.0667636	-.000834	.0000485

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001533	.0169575	-.000008	.1036702	.0005721	.0008291
Stddev	.003273	.0325436	.002151	.0377525	.0003047	.0014039
%RSD	213.4537	191.9126	26989.92	36.41600	53.25717	169.3274
#1	-.000968	-.017302	.002436	.0602415	.0006856	.0024477
#2	.001420	.020716	-.001618	.1221103	.0008038	-.000056
#3	-.005052	.047459	-.000842	.1286586	.0002270	.000095

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5926814	-.012173	.0048768	-.122640	-.001547	.0143214
Stddev	.6694010	.009577	.0057717	.026506	.000689	.0038540
%RSD	112.9445	78.67241	118.3494	21.61255	44.56385	26.91050
#1	.0925032	-.005533	-.001580	-.092459	-.002287	.0126273
#2	1.353127	-.023151	.006676	-.142136	-.000923	.0187322
#3	.332414	-.007835	.009535	-.133324	-.001431	.0116046

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCB084 Acquired: 12/20/2024 23:23:11 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB084 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003515	-.008035	-.003026	F -.011626	.0033046	.0001843
Stddev	.0002758	.003214	.000365	.000491	.0013690	.0001802
%RSD	78.47158	39.99975	12.05382	4.223103	41.42833	97.75092
#1	.0005050	-.004810	-.002680	-.011503	.0018860	.0003425
#2	.0000331	-.011238	-.003407	-.011208	.0034097	.0002223
#3	.0005165	-.008058	-.002991	-.012166	.0046180	-.000012

Elem	Li6707
Units	ppm
Avg	F .0229822
Stddev	.0026951
%RSD	11.72683
#1	.0198987
#2	.0248882
#3	.0241596

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1852.140	22759.73	2335.941	1572.255	2172.308
Stddev	3.114	148.81	12.020	14.788	3.933
%RSD	.1681049	.6538227	.5145808	.9405567	.1810364
#1	1850.520	22621.76	2342.933	1556.446	2169.190
#2	1855.729	22740.01	2322.062	1574.572	2176.726
#3	1850.170	22917.42	2342.829	1585.749	2171.007

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-10DLX2 Acquired: 12/20/2024 23:27:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZE8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6549880	-.193926	.3588911	.2151363	.0917886	195.0305	.5703229
Stddev	.0026598	.004965	.0021068	.0013502	.0027310	1.4146	.0051372
%RSD	.4060810	2.560021	.5870208	.6276065	2.975303	.7253308	.9007575
#1	.6520971	-.195224	.3590732	.2135773	.0926969	193.5837	.5649163
#2	.6555356	-.188441	.3609009	.2159169	.0887192	195.0972	.5709127
#3	.6573314	-.198113	.3566992	.2159149	.0939497	196.4105	.5751398

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0113934	.0121882	52.14379	.9743154	.3629222	2.328201	414.6371
Stddev	.0001044	.0002362	.38345	.0018948	.0008502	.024572	3.2295
%RSD	.9160985	1.937856	.7353669	.1944736	.2342624	1.055404	.7788736
#1	.0112845	.0123959	51.80857	.9732377	.3623060	2.307099	411.4961
#2	.0114926	.0122376	52.06091	.9765032	.3638921	2.322326	414.4668
#3	.0114031	.0119313	52.56190	.9732052	.3625684	2.355178	417.9483

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.683009	114.9672	.6582143	.0291607	.2570566	.8031267	.8378597
Stddev	.053398	.6827	.0017648	.0011749	.2965957	.0031845	.0178524
%RSD	.6950204	.5938298	.2681213	4.029197	115.3815	.3965113	2.130714
#1	7.622466	114.3684	.6576348	.0303183	.0475713	.8037682	.8351986
#2	7.703166	114.8226	.6601960	.0279691	.5964392	.7996703	.8568932
#3	7.723395	115.7107	.6568121	.0291948	.1271593	.8059416	.8214872

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.953346	2.918114	.0873716	-.000952	.9813264	4.619651	.0328037
Stddev	.146628	.002496	.0045191	.000466	.0109244	.014618	.0025692
%RSD	2.960189	.0855385	5.172293	48.92523	1.113225	.3164324	7.831967
#1	4.797046	2.916862	.0821609	-.001482	.9811919	4.606836	.0327708
#2	4.975128	2.920988	.0897347	-.000609	.9923175	4.616543	.0353891
#3	5.087866	2.916491	.0902192	-.000764	.9704700	4.635573	.0302511

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-10DLX2 Acquired: 12/20/2024 23:27:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZE8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	4.340013	-.204207	.0851634
Stddev	.040920	.001766	.0037709
%RSD	.9428561	.8648103	4.427854
#1	4.294323	-.202394	.0811478
#2	4.352426	-.204306	.0886293
#3	4.373289	-.205922	.0857130

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1982.221	24160.77	2561.806	1676.646	2080.028
Stddev	2.348	171.44	4.504	12.707	.949
%RSD	.1184734	.7095847	.1758001	.7578943	.0456411
#1	1979.703	24163.92	2563.400	1675.165	2079.882
#2	1984.351	23987.78	2556.723	1664.744	2081.042
#3	1982.611	24330.62	2565.297	1690.029	2079.160

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-11DLX2 Acquired: 12/20/2024 23:30:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZE9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9154780	-.173451	.6959107	.1984754	.0847669	177.8995	.5388761
Stddev	.0028819	.003221	.0015155	.0040757	.0006778	.7860	.0023001
%RSD	.3147935	1.856943	.2177693	2.053523	.7996279	.4418428	.4268384
#1	.9186666	-.177167	.6944624	.2003576	.0844721	177.3913	.5363327
#2	.9130592	-.171736	.6957842	.1937987	.0842864	177.5024	.5394854
#3	.9147081	-.171450	.6974855	.2012700	.0855422	178.8049	.5408102

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0105772	.0392271	38.76393	.8652671	.3389957	3.540342	382.5390
Stddev	.0001427	.0002187	.20508	.0071677	.0017653	.018775	1.5722
%RSD	1.348927	.5575247	.5290591	.8283784	.5207409	.5303093	.4109832
#1	.0104430	.0389936	38.54644	.8569965	.3371880	3.548902	381.7782
#2	.0105615	.0392606	38.79155	.8696740	.3390840	3.518813	381.4920
#3	.0107270	.0394272	38.95381	.8691307	.3407153	3.553312	384.3469

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.666714	111.0839	.5843091	.0294781	.6283734	.7344496	1.584643
Stddev	.035514	.4145	.0017461	.0013255	.4469363	.0064036	.010882
%RSD	.4097746	.3731306	.2988328	4.496697	71.12591	.8718838	.6867024
#1	8.650939	110.6181	.5825538	.0307635	.1165517	.7296635	1.581446
#2	8.641821	111.2214	.5843277	.0281158	.9415638	.7319615	1.596765
#3	8.707383	111.4122	.5860459	.0295551	.8270049	.7417238	1.575718

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.615478	2.591552	.0703648	-.000955	.4513585	4.284997	.0303375
Stddev	.043508	.003598	.0013269	.000882	.0035849	.023631	.0003828
%RSD	.7747892	.1388251	1.885739	92.41114	.7942434	.5514755	1.261908
#1	5.585204	2.587658	.0718743	-.001358	.4554389	4.258576	.0305888
#2	5.595895	2.594752	.0698369	-.001563	.4499220	4.292302	.0305268
#3	5.665337	2.592245	.0693830	.000057	.4487148	4.304112	.0298969

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-11DLX2 Acquired: 12/20/2024 23:30:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZE9 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	4.611357	-.215494	.0846840
Stddev	.029922	.000787	.0018131
%RSD	.6488786	.3651917	2.141049
#1	4.588147	-.215121	.0860205
#2	4.600796	-.214963	.0826201
#3	4.645128	-.216398	.0854115

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1978.407	24260.77	2547.114	1686.517	2091.458
Stddev	5.114	23.34	8.117	5.388	3.104
%RSD	.2584678	.0962004	.3186587	.3194662	.1484080
#1	1981.032	24282.37	2548.273	1681.406	2094.203
#2	1972.514	24263.93	2554.588	1686.002	2088.090
#3	1981.675	24236.01	2538.480	1692.144	2092.081

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-12DLX2 Acquired: 12/20/2024 23:34:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.006587	-.196711	.9893813	.2092174	.0924682	187.9261	.3762208
Stddev	.002415	.001917	.0014537	.0022835	.0026394	1.0263	.0023592
%RSD	.2399509	.9743633	.1469260	1.091455	2.854378	.5461152	.6270897
#1	1.005561	-.198742	.9909987	.2104323	.0931896	188.2084	.3769597
#2	1.004854	-.194933	.9881838	.2106366	.0946718	188.7817	.3781221
#3	1.009346	-.196460	.9889614	.2065832	.0895431	186.7882	.3735805

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0105053	.0189486	32.93721	.9208551	.3194044	3.280235	409.9637
Stddev	.0001433	.0001086	.21286	.0041764	.0008249	.017721	2.1001
%RSD	1.363827	.5730157	.6462491	.4535333	.2582590	.5402315	.5122642
#1	.0106636	.0188720	33.02835	.9256025	.3187570	3.287991	410.6730
#2	.0104678	.0189009	33.08933	.9192153	.3203331	3.292756	411.6172
#3	.0103846	.0190728	32.69397	.9177475	.3191229	3.259959	407.6008

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.074478	137.1965	.6032670	.0316143	.7465114	.8636230	1.784638
Stddev	.028108	.6780	.0009660	.0017945	.8000270	.0137918	.014824
%RSD	.3973179	.4941861	.1601223	5.676070	107.1688	1.596967	.8306326
#1	7.085968	137.5009	.6042992	.0302007	1.062641	.8518422	1.788939
#2	7.095020	137.6689	.6031170	.0336331	1.340172	.8787936	1.796835
#3	7.042445	136.4196	.6023848	.0310090	-.163278	.8602332	1.768139

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.066945	2.817480	.0708638	-.001010	.5420514	3.138488	.0335991
Stddev	.076989	.004622	.0014019	.000269	.0097086	.019760	.0013192
%RSD	1.268998	.1640302	1.978318	26.64335	1.791078	.6296001	3.926280
#1	6.073108	2.812220	.0710462	-.000749	.5531881	3.152093	.0334305
#2	6.140667	2.820891	.0721655	-.001287	.5375945	3.147549	.0323724
#3	5.987059	2.819330	.0693796	-.000994	.5353714	3.115823	.0349945

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-12DLX2 Acquired: 12/20/2024 23:34:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	4.876039	-.293320	.0815765
Stddev	.037548	.001330	.0025586
%RSD	.7700446	.4535780	3.136459
#1	4.887063	-.293830	.0830296
#2	4.906840	-.294320	.0830777
#3	4.834213	-.291810	.0786222

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1902.021	23385.67	2461.063	1627.417	2052.252
Stddev	5.152	108.88	13.727	8.525	4.742
%RSD	.2708456	.4656010	.5577544	.5238237	.2310408
#1	1906.700	23355.48	2459.824	1626.321	2056.820
#2	1896.500	23295.07	2447.998	1619.493	2047.354
#3	1902.861	23506.46	2475.367	1636.436	2052.584

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-13DLX2 Acquired: 12/20/2024 23:38:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6515233	-.161981	.3506218	.1749230	.0773198	160.0453	.3979656
Stddev	.0078059	.002299	.0031484	.0027079	.0035075	.4698	.0022151
%RSD	1.198105	1.419291	.8979600	1.548071	4.536351	.2935282	.5565959
#1	.6442657	-.164127	.3505955	.1761398	.0810546	160.5572	.4001821
#2	.6597811	-.162261	.3474865	.1718202	.0768095	159.6338	.3979626
#3	.6505232	-.159554	.3537832	.1768091	.0740955	159.9450	.3957520

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0090964	.0273842	31.26661	.6743382	.2728950	1.978714	343.8334
Stddev	.0002568	.0001963	.05972	.0011943	.0010543	.010278	1.0762
%RSD	2.823588	.7169686	.1909988	.1771118	.3863397	.5194518	.3129918
#1	.0093927	.0274145	31.30045	.6729800	.2718088	1.985296	345.0598
#2	.0089375	.0271745	31.19766	.6748098	.2729622	1.983975	343.3939
#3	.0089590	.0275637	31.30173	.6752246	.2739142	1.966870	343.0466

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.825918	107.8026	.4253865	.0214098	.4417396	.7285345	1.018017
Stddev	.039790	.5219	.0029136	.0007116	.1968158	.0034188	.034434
%RSD	.5084332	.4841359	.6849399	3.323883	44.55470	.4692706	3.382460
#1	7.871053	108.4043	.4246024	.0222284	.3870552	.7312853	.982985
#2	7.810788	107.4721	.4229451	.0210633	.2780487	.7247070	1.051820
#3	7.795913	107.5314	.4286119	.0209378	.6601150	.7296112	1.019246

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.194080	2.151061	.0631783	-.001006	.2905241	4.046152	.0247810
Stddev	.025110	.006491	.0023939	.000626	.0064419	.032824	.0010782
%RSD	.7861524	.3017574	3.789172	62.25037	2.217331	.8112304	4.350980
#1	3.212803	2.148622	.0605572	-.001182	.2891461	4.071805	.0250242
#2	3.203891	2.146143	.0637285	-.000311	.2975434	4.009163	.0257168
#3	3.165545	2.158418	.0652492	-.001526	.2848827	4.057489	.0236020

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-13DLX2 Acquired: 12/20/2024 23:38:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	3.028490	-.214214	.0714819
Stddev	.017440	.000566	.0051302
%RSD	.5758569	.2641921	7.176903
#1	3.048265	-.214730	.0671031
#2	3.021896	-.214303	.0702161
#3	3.015309	-.213609	.0771265

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1922.409	23722.26	2484.534	1644.425	2060.656
Stddev	4.512	141.80	20.423	13.416	3.396
%RSD	.2347077	.5977408	.8219975	.8158378	.1647963
#1	1922.648	23678.50	2461.001	1649.151	2061.488
#2	1926.798	23607.49	2497.617	1629.286	2063.558
#3	1917.783	23880.77	2494.985	1654.839	2056.921

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-14DLX2 Acquired: 12/20/2024 23:42:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8596562	-.179581	.7098621	.1921284	.0879814	173.6850	.4489230
Stddev	.0037645	.004082	.0046461	.0046695	.0006059	.4750	.0012355
%RSD	.4379120	2.273145	.6545065	2.430392	.6886756	.2735007	.2752106
#1	.8563063	-.183839	.7079284	.1878468	.0877296	173.2203	.4483501
#2	.8637301	-.179202	.7151627	.1914311	.0875420	174.1697	.4503409
#3	.8589321	-.175702	.7064952	.1971073	.0886726	173.6649	.4480779

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0104246	.0243229	32.90611	.8410022	.4415030	3.599903	387.6456
Stddev	.0001551	.0001235	.10837	.0028822	.0006174	.019892	1.3042
%RSD	1.487447	.5079550	.3293160	.3427114	.1398311	.5525648	.3364302
#1	.0105974	.0241948	32.82368	.8392825	.4418684	3.582971	386.7292
#2	.0102977	.0244414	32.86581	.8393944	.4418503	3.594929	389.1387
#3	.0103788	.0243325	33.02886	.8443296	.4407902	3.621810	387.0691

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.970402	118.3581	.5322681	.0258794	.6562949	.7178055	1.353600
Stddev	.038620	.6355	.0006882	.0007981	.4608495	.0130948	.011047
%RSD	.4305285	.5369069	.1293045	3.084032	70.21988	1.824282	.8161077
#1	8.941033	118.1824	.5314793	.0250138	1.059766	.7329125	1.358919
#2	9.014148	119.0629	.5325785	.0260383	.154076	.7096967	1.360982
#3	8.956024	117.8290	.5327464	.0265861	.755043	.7108073	1.340900

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.456182	2.833397	.0805579	-.000708	.4556317	3.881264	.0295753
Stddev	.119964	.000279	.0060440	.000210	.0106027	.005220	.0004227
%RSD	2.692082	.0098446	7.502731	29.59985	2.327031	.1345027	1.429201
#1	4.593960	2.833471	.0735875	-.000609	.4479437	3.887000	.0290899
#2	4.374868	2.833088	.0837412	-.000949	.4512241	3.876791	.0298621
#3	4.399718	2.833631	.0843449	-.000567	.4677272	3.880001	.0297740

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-14DLX2 Acquired: 12/20/2024 23:42:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	3.576113	-.254342	.0787264
Stddev	.007260	.001007	.0031182
%RSD	.2030272	.3958615	3.960777
#1	3.570603	-.253406	.0790436
#2	3.584340	-.255408	.0754617
#3	3.573395	-.254213	.0816738

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1918.480	23696.89	2484.758	1634.554	2058.384
Stddev	4.405	64.87	7.838	5.470	3.550
%RSD	.2296069	.2737550	.3154466	.3346738	.1724575
#1	1922.061	23770.11	2478.463	1639.336	2061.842
#2	1919.817	23673.99	2482.273	1628.589	2058.560
#3	1913.561	23646.57	2493.537	1635.737	2054.749

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-15DLX2 Acquired: 12/20/2024 23:46:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7984298	-.159602	.6187280	.1718291	.0780310	155.2934	.3952282
Stddev	.0037335	.003741	.0022145	.0041661	.0006397	1.0687	.0028099
%RSD	.4675993	2.343850	.3579034	2.424579	.8198353	.6882082	.7109538
#1	.7952524	-.157070	.6204110	.1678441	.0786525	154.2643	.3922047
#2	.7974951	-.157837	.6162193	.1714879	.0780660	155.2180	.3957205
#3	.8025417	-.163899	.6195537	.1761553	.0773745	156.3978	.3977595

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0093303	.0218845	30.63718	.7024296	.4215317	3.392672	342.2082
Stddev	.0000861	.0000863	.30180	.0017620	.0009813	.010184	2.3203
%RSD	.9226993	.3943162	.9850700	.2508480	.2327922	.3001714	.6780418
#1	.0092730	.0219043	30.31894	.7008661	.4219761	3.391292	340.4926
#2	.0092885	.0219592	30.67332	.7043389	.4204068	3.383249	341.2837
#3	.0094293	.0217901	30.91928	.7020837	.4222122	3.403476	344.8482

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.634876	102.7403	.4555914	.0236545	-.023138	.6363429	1.189000
Stddev	.059941	.6588	.0011765	.0009450	.304041	.0015985	.010693
%RSD	.7850978	.6412448	.2582352	3.995184	1314.051	.2511964	.8993636
#1	7.571460	102.1639	.4551813	.0228293	.326923	.6357914	1.190949
#2	7.642566	102.5987	.4546748	.0234487	-.221268	.6350933	1.198584
#3	7.690601	103.4585	.4569180	.0246855	-.175068	.6381441	1.177465

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.775515	2.474120	.0664969	-.000419	.4156269	4.387170	.0241631
Stddev	.074497	.010812	.0045226	.000595	.0051327	.029186	.0006690
%RSD	1.973157	.4369834	6.801232	141.8102	1.234936	.6652614	2.768864
#1	3.691350	2.469600	.0681360	.000235	.4147157	4.354672	.0236531
#2	3.802201	2.466303	.0613833	-.000928	.4211541	4.395690	.0239155
#3	3.832992	2.486458	.0699714	-.000565	.4110107	4.411148	.0249206

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-15DLX2 Acquired: 12/20/2024 23:46:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	3.465620	-.216065	.0710209
Stddev	.027957	.001613	.0028319
%RSD	.8066989	.7463456	3.987450
#1	3.447207	-.215257	.0711653
#2	3.451864	-.215016	.0681196
#3	3.497790	-.217922	.0737779

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1915.999	23615.67	2470.527	1629.736	2060.350
Stddev	5.758	33.51	11.263	3.893	5.086
%RSD	.3004965	.1419088	.4559102	.2388940	.2468321
#1	1914.121	23602.06	2482.103	1626.773	2058.122
#2	1911.414	23591.10	2469.874	1628.290	2056.759
#3	1922.461	23653.84	2459.604	1634.146	2066.169

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-16DLX2 Acquired: 12/20/2024 23:49:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3417752	-.156719	.1364621	.1651292	.0695304	150.5747	.3219475
Stddev	.0026774	.003879	.0024576	.0047334	.0016746	.9110	.0016592
%RSD	.7833703	2.474860	1.800961	2.866499	2.408383	.6050459	.5153621
#1	.3438185	-.160164	.1364575	.1649114	.0676993	149.6443	.3207308
#2	.3387443	-.157474	.1340068	.1699678	.0709838	151.4651	.3238375
#3	.3427627	-.152518	.1389221	.1605084	.0699082	150.6146	.3212741

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0088357	.0035612	38.18159	.5440091	.2693758	.7519262	332.5615
Stddev	.0000929	.0002244	.29274	.0016380	.0018482	.0032642	1.8235
%RSD	1.050979	6.299833	.7667158	.3011039	.6861083	.4341072	.5483144
#1	.0088727	.0037825	37.84357	.5458556	.2683415	.7483393	330.5877
#2	.0089043	.0033340	38.35279	.5427309	.2715096	.7527170	334.1834
#3	.0087300	.0035670	38.34841	.5434409	.2682763	.7547224	332.9133

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.396820	108.9158	.4255595	.0174623	.7670411	.7493160	.3443611
Stddev	.045753	.4481	.0030552	.0010644	.5773519	.0102980	.0101286
%RSD	.6185432	.4114441	.7179369	6.095182	75.27001	1.374314	2.941276
#1	7.348198	108.4994	.4231093	.0175140	1.433658	.7513616	.3381344
#2	7.439026	109.3901	.4289828	.0184999	.440914	.7381487	.3389006
#3	7.403236	108.8580	.4245864	.0163730	.426552	.7584376	.3560482

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.679408	2.592081	.0612811	-.000816	.2918597	3.916037	.0230717
Stddev	.123470	.022998	.0061127	.000488	.0031476	.030798	.0009448
%RSD	2.638590	.8872499	9.974817	59.76175	1.078451	.7864542	4.095127
#1	4.722843	2.572390	.0627449	-.000254	.2889396	3.912905	.0228431
#2	4.775291	2.617357	.0545694	-.001130	.2914458	3.948282	.0241098
#3	4.540089	2.586496	.0665290	-.001065	.2951938	3.886926	.0222622

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-16DLX2 Acquired: 12/20/2024 23:49:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	3.111703	-.181795	.0600906
Stddev	.016347	.001105	.0020471
%RSD	.5253467	.6076832	3.406624
#1	3.093066	-.180554	.0587472
#2	3.123612	-.182672	.0624466
#3	3.118432	-.182158	.0590780

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1932.841	23617.21	2480.361	1636.603	2061.357
Stddev	10.142	57.31	13.589	7.163	9.781
%RSD	.5247279	.2426554	.5478555	.4376449	.4744949
#1	1940.031	23671.75	2488.098	1641.608	2066.604
#2	1921.240	23622.38	2464.671	1639.803	2050.072
#3	1937.252	23557.49	2488.316	1628.399	2067.395

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-17DLX2 Acquired: 12/20/2024 23:53:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4371896	-.199636	.1562844	.2141303	.0971516	192.0941	.3738182
Stddev	.0039935	.003218	.0000568	.0049260	.0041277	.3362	.0006438
%RSD	.9134498	1.611769	.0363668	2.300474	4.248698	.1750056	.1722336
#1	.4329787	-.196025	.1562801	.2087049	.0924450	191.8702	.3740649
#2	.4409228	-.200683	.1563433	.2153632	.1001557	191.9313	.3730875
#3	.4376672	-.202200	.1562299	.2183227	.0988542	192.4806	.3743022

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0111073	.0043711	46.77236	.5996913	.3164905	.8894737	438.2613
Stddev	.0002015	.0001235	.09079	.0011405	.0002726	.0056885	.8115
%RSD	1.814535	2.825595	.1941066	.1901866	.0861214	.6395387	.1851530
#1	.0113022	.0044463	46.70631	.6010041	.3167911	.8850724	437.3735
#2	.0111200	.0044385	46.73489	.5991255	.3164212	.8874517	438.4459
#3	.0108997	.0042286	46.87589	.5989443	.3162593	.8958970	438.9646

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.56790	135.1683	.5051830	.0216760	1.142002	.9332170	.4005269
Stddev	.01177	.3609	.0009005	.0013649	.714243	.0016657	.0075318
%RSD	.1017167	.2670122	.1782609	6.296828	62.54307	.1784846	1.880475
#1	11.55486	134.8341	.5050022	.0201462	.347709	.9313144	.3952275
#2	11.57112	135.1197	.5061602	.0227690	1.731417	.9339250	.3972046
#3	11.57772	135.5510	.5043866	.0221128	1.346882	.9344118	.4091487

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.156204	3.629857	.0807410	-.000825	.3489956	2.222472	.0308533
Stddev	.027201	.003380	.0022254	.000511	.0038055	.014268	.0027690
%RSD	.5275395	.0931283	2.756175	61.89381	1.090420	.6420096	8.974775
#1	5.146793	3.629628	.0781789	-.001369	.3448969	2.235346	.0279087
#2	5.186860	3.633346	.0818517	-.000356	.3524170	2.207131	.0312465
#3	5.134957	3.626597	.0821923	-.000751	.3496730	2.224939	.0334046

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-17DLX2 Acquired: 12/20/2024 23:53:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	3.587175	-.224913	.0738305
Stddev	.002409	.000742	.0025716
%RSD	.0671530	.3297303	3.483105
#1	3.584484	-.224128	.0731302
#2	3.589131	-.225010	.0716816
#3	3.587909	-.225602	.0766797

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1998.017	24462.58	2596.830	1693.548	2084.253
Stddev	1.742	39.21	13.594	6.393	1.603
%RSD	.0872086	.1602753	.5234760	.3774809	.0769234
#1	1998.894	24438.81	2581.432	1686.565	2082.916
#2	1999.147	24441.10	2607.168	1694.966	2086.031
#3	1996.011	24507.83	2601.890	1699.113	2083.813

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-18DLX2 Acquired: 12/20/2024 23:57:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4097857	-.187118	.1583908	.2009137	.0876725	177.7813	.3498759
Stddev	.0055980	.005094	.0027139	.0137471	.0052176	6.7018	.0148532
%RSD	1.366078	2.722428	1.713437	6.842286	5.951212	3.769678	4.245278
#1	.4162140	-.192822	.1596543	.2150750	.0916110	184.2929	.3643307
#2	.4071591	-.185510	.1602426	.1876221	.0817549	170.9043	.3346540
#3	.4059840	-.183022	.1552755	.2000440	.0896516	178.1467	.3506430

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0104248	.0042746	43.65597	.5598041	.3084178	.8692729	408.0159
Stddev	.0005410	.0002346	1.59281	.0031567	.0004481	.0334554	15.6665
%RSD	5.189913	5.488010	3.648552	.5638999	.1452742	3.848662	3.839686
#1	.0110237	.0040038	45.21024	.5626491	.3082067	.9062308	423.0498
#2	.0099714	.0044142	42.02723	.5603551	.3081144	.8410549	391.7853
#3	.0102792	.0044059	43.73045	.5564082	.3089325	.8605329	409.2124

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.04948	122.3202	.4530746	.0212412	.5402607	.9056722	.3857242
Stddev	.42933	4.9190	.0005652	.0039177	.6795159	.0363417	.0093499
%RSD	3.885497	4.021382	.1247372	18.44358	125.7756	4.012677	2.423985
#1	11.45402	127.0471	.4527091	.0250066	1.302457	.9431175	.3913330
#2	10.59905	117.2294	.4527892	.0171873	.320516	.8705451	.3909090
#3	11.09538	122.6841	.4537256	.0215298	-.002190	.9033539	.3749306

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.668891	3.277760	.0769535	-.000478	.3906753	4.228166	.0297741
Stddev	.295177	.013457	.0032725	.000775	.0025680	.175663	.0018085
%RSD	6.322208	.4105567	4.252541	162.2904	.6573311	4.154602	6.074227
#1	4.997274	3.285400	.0787588	-.000807	.3890304	4.410274	.0314458
#2	4.425623	3.262222	.0731760	-.001034	.3936344	4.059748	.0278544
#3	4.583776	3.285658	.0789256	.000408	.3893610	4.214476	.0300223

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-18DLX2 Acquired: 12/20/2024 23:57:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	4.150522	-.164083	.0637480
Stddev	.152672	.005965	.0018360
%RSD	3.678371	3.635229	2.880060
#1	4.297586	-.170056	.0657878
#2	3.992801	-.158126	.0622278
#3	4.161178	-.164068	.0632285

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1954.065	23975.86	2545.086	1663.051	2055.412
Stddev	3.105	43.86	101.489	4.530	4.337
%RSD	.1588974	.1829511	3.987629	.2724065	.2110157
#1	1957.646	23948.58	2443.213	1662.263	2056.546
#2	1952.433	23952.53	2646.186	1658.966	2059.070
#3	1952.116	24026.45	2545.859	1667.924	2050.621

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-19DLX2 Acquired: 12/21/2024 0:01:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4113712	-.171014	.1332807	.1843164	.0777026	154.6077	.3185676
Stddev	.0034590	.003767	.0016544	.0056942	.0031813	4.5659	.0098735
%RSD	.8408497	2.202816	1.241278	3.089366	4.094199	2.953199	3.099330
#1	.4113664	-.167018	.1330425	.1808900	.0747470	151.9153	.3125891
#2	.4079145	-.171521	.1350413	.1908895	.0810696	159.8795	.3299639
#3	.4148326	-.174501	.1317584	.1811698	.0772913	152.0283	.3131498

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0095812	.0035412	39.58263	.4360766	.2511017	.7418004	369.9549
Stddev	.0003766	.0002983	1.18342	.0013405	.0014135	.0209018	10.4023
%RSD	3.930923	8.422947	2.989757	.3074059	.5629249	2.817716	2.811788
#1	.0092897	.0035261	38.93481	.4363188	.2519646	.7324047	363.2572
#2	.0100064	.0032508	40.94853	.4346315	.2494704	.7657512	381.9388
#3	.0094474	.0038468	38.86455	.4372796	.2518700	.7272452	364.6687

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.662774	105.2998	.3820323	.0192583	.7046737	.8217891	.3318849
Stddev	.286725	2.9024	.0012314	.0016126	.4164371	.0300573	.0072021
%RSD	2.967313	2.756307	.3223240	8.373627	59.09645	3.657541	2.170060
#1	9.484858	103.4589	.3834227	.0179102	.9226281	.8031609	.3264275
#2	9.993539	108.6455	.3810796	.0210448	.2244933	.8564642	.3291790
#3	9.509926	103.7949	.3815946	.0188200	.9668996	.8057421	.3400480

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.401776	2.966647	.0721969	-.001090	.3031974	4.178758	.0252228
Stddev	.165713	.012319	.0028015	.000602	.0013433	.138233	.0008549
%RSD	4.871365	.4152583	3.880414	55.27803	.4430377	3.307995	3.389558
#1	3.285509	2.969037	.0698121	-.000723	.3025291	4.107052	.0246206
#2	3.591523	2.953308	.0752822	-.001785	.3023194	4.338110	.0262014
#3	3.328296	2.977597	.0714965	-.000761	.3047438	4.091111	.0248465

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-19DLX2 Acquired: 12/21/2024 0:01:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.878527	-.187873	.0596839
Stddev	.084917	.005057	.0036704
%RSD	2.949999	2.691789	6.149655
#1	2.819404	-.184190	.0563434
#2	2.975832	-.193639	.0636130
#3	2.840345	-.185790	.0590953

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1942.420	23730.43	2504.528	1651.865	2056.460
Stddev	3.390	120.82	70.117	6.300	3.723
%RSD	.1745276	.5091168	2.799596	.3814009	.1810173
#1	1940.521	23682.57	2531.718	1649.500	2055.664
#2	1946.334	23867.84	2424.889	1659.005	2060.516
#3	1940.405	23640.88	2556.978	1647.088	2053.200

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-20DLX2 Acquired: 12/21/2024 0:05:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7222182	-.207055	.4987486	.2130999	.0975769	208.2525	.4274298
Stddev	.0028319	.003113	.0029963	.0065957	.0015146	.3942	.0023145
%RSD	.3921072	1.503614	.6007630	3.095137	1.552219	.1893010	.5414963
#1	.7251011	-.208590	.4968034	.2170752	.0989750	208.0363	.4264418
#2	.7194403	-.209104	.4972433	.2054863	.0977877	208.7075	.4300744
#3	.7221132	-.203473	.5021991	.2167382	.0959679	208.0136	.4257733

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0110416	.0169171	33.59952	.9042641	.3029442	2.194991	430.0956
Stddev	.0002300	.0000573	.09307	.0031849	.0011288	.012653	.2390
%RSD	2.082825	.3388314	.2770023	.3522073	.3725937	.5764425	.0555715
#1	.0113025	.0169038	33.53828	.9068926	.3016763	2.187149	430.0180
#2	.0109538	.0168677	33.70663	.9051775	.3033166	2.209588	430.3638
#3	.0108685	.0169800	33.55366	.9007224	.3038397	2.188237	429.9051

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.966194	154.0312	.5515638	.0208777	.7556074	1.188881	1.071746
Stddev	.025738	.2036	.0016231	.0007566	.6130695	.009123	.011551
%RSD	.3230892	.1321519	.2942670	3.623701	81.13599	.7673515	1.077730
#1	7.944383	153.9318	.5505308	.0207147	.4829870	1.189395	1.066820
#2	7.994582	154.2653	.5507260	.0202160	.3261324	1.197735	1.063476
#3	7.959618	153.8964	.5534345	.0217025	1.457703	1.179511	1.084943

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.505778	2.088546	.0775166	-.001659	.3870730	5.828933	.0290547
Stddev	.059493	.017461	.0056134	.000189	.0071204	.043194	.0007956
%RSD	2.374219	.8360312	7.241574	11.42140	1.839549	.7410229	2.738294
#1	2.527453	2.071933	.0760932	-.001479	.3878367	5.875587	.0283853
#2	2.551394	2.086959	.0727519	-.001856	.3937809	5.820879	.0288446
#3	2.438487	2.106746	.0837047	-.001642	.3796016	5.790333	.0299343

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-20DLX2 Acquired: 12/21/2024 0:05:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.924169	-.316994	.1080653
Stddev	.012261	.000196	.0045799
%RSD	.4192920	.0617165	4.238045
#1	2.917953	-.317159	.1079471
#2	2.938293	-.316778	.1127031
#3	2.916262	-.317046	.1035457

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1952.632	23819.45	2521.393	1646.709	2056.849
Stddev	4.801	78.83	19.902	6.838	6.607
%RSD	.2458922	.3309478	.7893280	.4152401	.3211971
#1	1957.829	23731.46	2499.290	1639.111	2064.473
#2	1951.706	23883.65	2526.996	1648.649	2053.244
#3	1948.361	23843.23	2537.893	1652.367	2052.829

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-21DLX2 Acquired: 12/21/2024 0:08:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6994972	-.201692	.4848647	.2025456	.0918886	198.4385	.4069322
Stddev	.0083860	.007179	.0054944	.0146160	.0036880	6.6156	.0139452
%RSD	1.198865	3.559259	1.133176	7.216131	4.013556	3.333817	3.426915
#1	.6898150	-.196304	.4810900	.1859581	.0885966	190.8045	.3909235
#2	.7044635	-.209842	.4823360	.2135349	.0958741	202.4943	.4164400
#3	.7042132	-.198931	.4911681	.2081439	.0911950	202.0168	.4134330

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0106268	.0166142	31.98806	.8759918	.2946978	2.099577	411.1290
Stddev	.0003689	.0003595	1.02472	.0021498	.0006017	.085080	13.8861
%RSD	3.471677	2.163899	3.203457	.2454116	.2041665	4.052226	3.377558
#1	.0102087	.0170017	30.80575	.8769665	.2940219	2.001952	395.1022
#2	.0109065	.0162915	32.62007	.8735273	.2948963	2.138871	419.5677
#3	.0107652	.0165494	32.53836	.8774816	.2951751	2.157908	418.7170

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.598601	146.7868	.5373316	.0195431	.2419226	1.125082	1.033496
Stddev	.250255	4.6286	.0019606	.0033200	.2350773	.035056	.014870
%RSD	3.293440	3.153255	.3648713	16.98818	97.17047	3.115825	1.438771
#1	7.310786	141.4501	.5358117	.0157178	.3348011	1.084912	1.046875
#2	7.764867	149.7079	.5366385	.0212366	.4163714	1.140840	1.036126
#3	7.720149	149.2022	.5395446	.0216749	-.025405	1.149493	1.017487

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.358631	2.021211	.0754637	-.001594	.3775208	5.541859	.0280862
Stddev	.237095	.004241	.0073353	.000448	.0023433	.158148	.0005572
%RSD	10.05222	.2098439	9.720337	28.12369	.6206970	2.853706	1.983879
#1	2.093515	2.017678	.0672099	-.001109	.3755135	5.360470	.0283067
#2	2.550341	2.020041	.0812379	-.001993	.3800957	5.614267	.0284993
#3	2.432037	2.025915	.0779432	-.001681	.3769532	5.650840	.0274525

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-21DLX2 Acquired: 12/21/2024 0:08:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.782909	-.303234	.1036963
Stddev	.082511	.010237	.0020467
%RSD	2.964930	3.375857	1.973721
#1	2.688766	-.291418	.1016031
#2	2.842670	-.309402	.1037928
#3	2.817290	-.308883	.1056931

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1950.696	23787.81	2567.954	1649.898	2062.320
Stddev	4.431	85.36	66.856	4.738	3.211
%RSD	.2271576	.3588426	2.603460	.2871681	.1557091
#1	1955.218	23707.47	2644.937	1647.383	2064.963
#2	1950.509	23877.43	2534.463	1655.364	2063.250
#3	1946.362	23778.54	2524.463	1646.949	2058.746

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-20LDLX10 Acquired: 12/21/2024 0:12:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1490505	-.039864	.1001708	.0479385	.0185457	43.13954	.0887125
Stddev	.0012293	.002536	.0034503	.0039379	.0010059	.20919	.0008650
%RSD	.8247580	6.362217	3.444456	8.214412	5.424078	.4849187	.9750668
#1	.1478258	-.037498	.0995928	.0448337	.0194924	42.98905	.0894053
#2	.1490414	-.039553	.0970460	.0466139	.0174895	43.05115	.0877430
#3	.1502843	-.042542	.1038737	.0523679	.0186553	43.37842	.0889892

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024552	.0032852	7.041117	.1872074	.0612836	.4633804	91.40494
Stddev	.0000685	.0001235	.039654	.0004253	.0005391	.0084625	.45797
%RSD	2.788247	3.758548	.5631773	.2271522	.8797622	1.826259	.5010297
#1	.0025113	.0031434	7.044165	.1868423	.0608348	.4540393	91.12147
#2	.0024754	.0033688	7.000027	.1876743	.0611343	.4655664	91.16006
#3	.0023789	.0033435	7.079159	.1871057	.0618817	.4705354	91.93328

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.691752	32.23400	.1104427	.0045583	.0988119	.2443896	.2293274
Stddev	.006319	.17943	.0004679	.0011644	.3373558	.0103243	.0046411
%RSD	.3735005	.5566413	.4236211	25.54441	341.4122	4.224521	2.023771
#1	1.684877	32.14091	.1109712	.0033682	.3897711	.2498690	.2342204
#2	1.697305	32.12026	.1100816	.0046115	-.270980	.2508190	.2287737
#3	1.693075	32.44085	.1102752	.0056951	.177644	.2324808	.2249880

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1585840	.3987085	.0144286	-.001072	.0705253	1.238668	.0028278
Stddev	.0431351	.0023560	.0007306	.000472	.0016635	.003273	.0021101
%RSD	27.20013	.5909036	5.063703	44.07190	2.358715	.2642566	74.62231
#1	.1099119	.3971017	.0146605	-.001610	.0711696	1.242195	.0004157
#2	.1920798	.3976107	.0150151	-.000879	.0686361	1.235728	.0037352
#3	.1737602	.4014130	.0136102	-.000727	.0717703	1.238081	.0043324

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-20LDLX10 Acquired: 12/21/2024 0:12:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6115902	-.067565	.0292701
Stddev	.0031449	.000338	.0061919
%RSD	.5142193	.4999406	21.15430
#1	.6079588	-.067315	.0364148
#2	.6133961	-.067430	.0259304
#3	.6134157	-.067949	.0254651

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1879.213	23129.23	2399.774	1602.484	2134.844
Stddev	7.778	73.84	1.498	9.848	8.903
%RSD	.4138785	.3192348	.0624087	.6145234	.4170214
#1	1873.104	23206.77	2401.503	1605.645	2125.121
#2	1876.567	23059.75	2398.893	1591.444	2136.816
#3	1887.968	23121.18	2398.924	1610.363	2142.596

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-22DLX2 Acquired: 12/21/2024 0:16:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7107628	-.208182	.4958875	.2142353	.0957941	206.7782	.4242600
Stddev	.0077690	.006001	.0019841	.0007031	.0021024	.8701	.0035347
%RSD	1.093045	2.882434	.4001041	.3281841	2.194675	.4207912	.8331511
#1	.7104813	-.213997	.4975920	.2140112	.0975916	206.2311	.4213886
#2	.7031384	-.208539	.4937095	.2150232	.0934823	207.7816	.4282078
#3	.7186687	-.202012	.4963610	.2136716	.0963085	206.3220	.4231836

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0109649	.0167824	33.57383	.8960216	.3025561	2.180090	428.0871
Stddev	.0002195	.0004410	.15847	.0042633	.0025299	.013729	2.1123
%RSD	2.002233	2.627620	.4719993	.4757993	.8361888	.6297645	.4934266
#1	.0111152	.0172641	33.50402	.8914684	.3054545	2.175374	426.9487
#2	.0110664	.0163985	33.75522	.8999189	.3007908	2.195556	430.5244
#3	.0107129	.0166846	33.46225	.8966774	.3014230	2.169340	426.7882

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.907977	153.0697	.5540055	.0218512	.5276975	1.172323	1.071686
Stddev	.042262	.9562	.0049212	.0015683	.2015344	.007116	.020472
%RSD	.5344277	.6246883	.8882998	7.177224	38.19128	.6069832	1.910272
#1	7.871210	152.4679	.5595410	.0236468	.5769862	1.167650	1.051800
#2	7.954150	154.1723	.5501255	.0207496	.7000152	1.168807	1.070559
#3	7.898572	152.5688	.5523500	.0211574	.3060910	1.180512	1.092698

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.617082	2.083813	.0778365	-.001523	.3930270	5.784443	.0309047
Stddev	.116100	.020672	.0051596	.000141	.0067098	.055770	.0008604
%RSD	4.436234	.9920293	6.628797	9.231490	1.707203	.9641316	2.784088
#1	2.724508	2.104420	.0727127	-.001462	.3977490	5.802321	.0318929
#2	2.632822	2.063077	.0777658	-.001423	.3959856	5.829082	.0304994
#3	2.493915	2.083943	.0830312	-.001683	.3853464	5.721927	.0303218

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5184-22DLX2 Acquired: 12/21/2024 0:16:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.890420	-.315810	.1071951
Stddev	.014437	.001697	.0009727
%RSD	.4994904	.5374683	.9074614
#1	2.880239	-.315554	.1078108
#2	2.906943	-.317621	.1077007
#3	2.884077	-.314256	.1060736

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1928.386	23649.15	2513.663	1639.654	2032.664
Stddev	15.972	118.32	22.387	3.559	18.125
%RSD	.8282480	.5003009	.8906235	.2170663	.8916757
#1	1910.196	23784.61	2506.603	1643.619	2011.741
#2	1934.850	23566.05	2495.658	1638.606	2042.717
#3	1940.113	23596.78	2538.730	1636.736	2043.535

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165634BL Acquired: 12/21/2024 0:20:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS634 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001662	.0018697	-.000380	.0002951	-.002868	.0245290	-.000632
Stddev	.0038142	.0022656	.001738	.0051995	.001456	.0293509	.001954
%RSD	2294.644	121.1752	457.3196	1761.848	50.76819	119.6579	309.1784
#1	-.004218	.0000454	-.001889	-.004298	-.002166	.0148455	.001615
#2	.002721	.0011580	-.000772	-.000757	-.001896	.0574980	-.001930
#3	.001996	.0044058	.001521	.005940	-.004542	.0012434	-.001581

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000025	.0000698	.0430504	-.000427	-.000177	-.004428	.0522504
Stddev	.000062	.0000507	.0065638	.000483	.000221	.007087	.0444177
%RSD	251.5978	72.58217	15.24678	113.0107	124.7057	160.0654	85.00923
#1	-.000072	.0001139	.0356249	-.000091	.000026	-.001225	.1012145
#2	.000046	.0000144	.0454476	-.000980	-.000412	-.012551	.0145462
#3	-.000049	.0000811	.0480785	-.000210	-.000146	.000493	.0409907

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013062	.0248896	.0009310	-.000282	.2882463	-.002736	.0016038
Stddev	.0004760	.0304330	.0002360	.000830	.2594804	.004842	.0027806
%RSD	36.43790	122.2719	25.35493	294.4881	90.02037	176.9377	173.3789
#1	.0007673	.0082908	.0006660	-.000627	.0028213	.002424	.0007226
#2	.0014821	.0600129	.0011186	.000665	.3520316	-.007179	-.000629
#3	.0016692	.0063650	.0010084	-.000885	.5098861	-.003454	.004718

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.391163	-.003485	-.003390	-.000439	-.003772	-.003101	-.005174
Stddev	.146382	.001534	.001739	.000397	.004213	.000829	.000304
%RSD	37.42224	44.00946	51.28946	90.47367	111.6836	26.73084	5.883302
#1	-.527142	-.004231	-.002885	-.000614	.001050	-.004053	-.005513
#2	-.410119	-.001721	-.001960	-.000720	-.005629	-.002709	-.004925
#3	-.236226	-.004503	-.005325	.000016	-.006737	-.002540	-.005084

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165634BL Acquired: 12/21/2024 0:20:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS634 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0005712	-.000034	.0049590
Stddev	.0023384	.000110	.0009588
%RSD	409.3958	323.7130	19.33403
#1	-.001036	-.000126	.0060182
#2	.003254	-.000064	.0047082
#3	-.000504	.000088	.0041505

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1869.535	22786.99	2357.985	1576.765	2192.293
Stddev	5.492	95.12	19.653	4.157	6.144
%RSD	.2937795	.4174317	.8334466	.2636276	.2802593
#1	1863.528	22828.04	2370.201	1580.017	2186.363
#2	1874.300	22854.68	2368.439	1578.197	2198.631
#3	1870.777	22678.23	2335.315	1572.082	2191.883

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165634BS Acquired: 12/21/2024 0:24:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS634 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0240525	.0514953	.0186876	.0590808	.1027186	.3990548
Stddev	.0033237	.0011038	.0003040	.0032820	.0012506	.0379277
%RSD	13.81850	2.143415	1.626805	5.555048	1.217453	9.504392
#1	.0271884	.0522725	.0188604	.0553546	.1014867	.3748193
#2	.0244006	.0502319	.0188657	.0615421	.1039870	.3795815
#3	.0205685	.0519815	.0183365	.0603457	.1026822	.4427635

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4063021	.0103236	.0097466	9.939657	.0205579	.0986439
Stddev	.0030786	.0001111	.0001115	.097266	.0007521	.0004218
%RSD	.7577026	1.075665	1.143974	.9785622	3.658562	.4275927
#1	.4031541	.0104518	.0097258	9.893446	.0211437	.0987970
#2	.4093062	.0102621	.0096470	10.05141	.0197097	.0981670
#3	.4064458	.0102570	.0098670	9.87411	.0208203	.0989678

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0491487	.1796766	.0317970	10.22946	.0773357	.0193481
Stddev	.0046293	.0506531	.0006024	.11977	.0005041	.0010713
%RSD	9.418942	28.19125	1.894430	1.170835	.6518846	5.536799
#1	.0540735	.1805396	.0321269	10.18206	.0779065	.0182255
#2	.0448863	.2298926	.0321624	10.36568	.0769514	.0203593
#3	.0484863	.1285975	.0311018	10.14065	.0771490	.0194595

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.50547	.0955812	.1075089	9.170149	F .0139370	F -.003508
Stddev	.42363	.0052875	.0030583	.130578	.0004926	.000613
%RSD	4.032507	5.531961	2.844707	1.423943	3.534477	17.47104
#1	10.23929	.0906694	.1045262	9.278360	.0137879	-.003159
#2	10.99399	.1011777	.1106376	9.206975	.0144869	-.003150
#3	10.28314	.0948965	.1073628	9.025113	.0135361	-.004216

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165634BS Acquired: 12/21/2024 0:24:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS634 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0186116	.1706485	F .4715425	F .0080523	.1990688	.2088340
Stddev	.0006599	.0035143	.0019632	.0013664	.0024481	.0011562
%RSD	3.545397	2.059350	.4163286	16.96902	1.229769	.5536291
#1	.0179363	.1684208	.4732362	.0091033	.1977181	.2078095
#2	.0186436	.1746997	.4693908	.0065077	.1975937	.2100875
#3	.0192549	.1688249	.4720005	.0085459	.2018947	.2086050

Elem	Li6707
Units	ppm
Avg	.0357419
Stddev	.0023883
%RSD	6.682192
#1	.0362873
#2	.0378103
#3	.0331280

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1843.205	22643.92	2342.170	1573.154	2161.819
Stddev	2.435	108.46	11.074	11.287	.559
%RSD	.1321226	.4789982	.4728136	.7174663	.0258354
#1	1845.904	22757.07	2329.396	1585.000	2161.414
#2	1841.171	22633.83	2348.062	1571.937	2162.456
#3	1842.541	22540.85	2349.053	1562.525	2161.587

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165634BSD Acquired: 12/21/2024 0:28:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD634 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0087355	.0252534	.0068339	.0293595	.0486850	.1776845	.1999192
Stddev	.0027238	.0021601	.0007543	.0004289	.0025366	.0233720	.0024644
%RSD	31.18155	8.553675	11.03741	1.460996	5.210239	13.15366	1.232717
#1	.0118806	.0256105	.0076555	.0293533	.0489802	.1744167	.1981742
#2	.0071392	.0229370	.0066737	.0289337	.0460137	.2025184	.1988449
#3	.0071866	.0272126	.0061726	.0297915	.0510611	.1561183	.2027384

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051526	.0048696	4.934219	.0094762	.0495418	.0284946	.0933438
Stddev	.0000381	.0000802	.073321	.0003992	.0004452	.0013811	.0291652
%RSD	.7397490	1.647972	1.485967	4.212382	.8986035	4.847026	31.24491
#1	.0051326	.0049434	4.879664	.0090243	.0490278	.0279512	.1217427
#2	.0051286	.0047842	4.905428	.0097809	.0497982	.0274678	.0948201
#3	.0051966	.0048811	5.017566	.0096233	.0497995	.0300648	.0634685

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0149465	5.085742	.0384285	.0093534	5.866262	.0447801	.0620238
Stddev	.0004611	.024086	.0007006	.0008294	.449461	.0011321	.0169622
%RSD	3.085250	.4735977	1.823050	8.867142	7.661797	2.528115	27.34784
#1	.0154763	5.110727	.0392354	.0092008	5.867994	.0442573	.0595493
#2	.0147276	5.062669	.0380748	.0102485	6.314855	.0440039	.0464347
#3	.0146356	5.083831	.0379753	.0086110	5.415937	.0460791	.0800872

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.186825	.0038163	.0010043	.0089930	.0801292	.2274397	.0009545
Stddev	.290655	.0011931	.0012779	.0001879	.0028461	.0026805	.0002304
%RSD	6.942142	31.26253	127.2372	2.089064	3.551908	1.178573	24.13780
#1	3.953186	.0025743	.0008636	.0088375	.0779275	.2261044	.0010348
#2	4.094981	.0049535	.0023468	.0092018	.0791171	.2256890	.0011340
#3	4.512307	.0039212	-.000197	.0089398	.0833431	.2305256	.0006947

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165634BSD Acquired: 12/21/2024 0:28:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD634 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0990383	.1028348	.0241351
Stddev	.0044115	.0010733	.0046689
%RSD	4.454372	1.043746	19.34503
#1	.0967142	.1018316	.0188689
#2	.0962747	.1027061	.0277678
#3	.1041260	.1039666	.0257687

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1843.515	23017.04	2372.927	1591.739	2177.684
Stddev	4.302	252.53	19.691	10.077	2.616
%RSD	.2333444	1.097138	.8298177	.6330740	.1201094
#1	1838.962	23290.99	2390.073	1600.924	2177.801
#2	1847.510	22793.56	2377.288	1580.960	2180.239
#3	1844.074	22966.56	2351.422	1593.333	2175.012

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-01DLX2 Acquired: 12/21/2024 0:32:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZG9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1502878	-.045434	.2457249	.0599916	.0206050	62.82102	.7211691
Stddev	.0054065	.002616	.0010720	.0017708	.0022100	.17016	.0032831
%RSD	3.597414	5.758011	.4362707	2.951752	10.72566	.2708667	.4552417
#1	.1529729	-.045618	.2450463	.0620237	.0230431	62.63311	.7175847
#2	.1538260	-.042731	.2451677	.0587789	.0200384	62.86527	.7218922
#3	.1440644	-.047953	.2469608	.0591721	.0187334	62.96469	.7240303

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053498	.0036200	50.31409	.1273002	.1464457	.2587757	133.3481
Stddev	.0001334	.0001188	.10920	.0009373	.0008072	.0056872	.4544
%RSD	2.493253	3.281256	.2170438	.7363157	.5511641	2.197717	.3407382
#1	.0052429	.0036507	50.22571	.1273777	.1472047	.2522757	133.0742
#2	.0054993	.0037204	50.43617	.1281964	.1455978	.2628360	133.0975
#3	.0053073	.0034889	50.28038	.1263265	.1465346	.2612153	133.8726

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.356468	37.42088	.1251285	.0094440	.5613066	.2124845	.7335450
Stddev	.016502	.14300	.0001782	.0006573	.2413579	.0041310	.0123050
%RSD	.3787900	.3821477	.1423851	6.959585	42.99931	1.944124	1.677469
#1	4.344262	37.56069	.1253294	.0089100	.4779774	.2158929	.7476137
#2	4.349900	37.27489	.1250662	.0101781	.8332880	.2078903	.7247882
#3	4.375243	37.42707	.1249898	.0092440	.3726544	.2136704	.7282330

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.49784	4.535253	.0232016	.0000162	1.904875	1.443983	.0042590
Stddev	.08694	.017628	.0016724	.0003512	.007608	.007273	.0012780
%RSD	.5609532	.3886806	7.207923	2165.820	.3994035	.5036675	30.00793
#1	15.58518	4.553977	.0240214	.0002927	1.908703	1.441749	.0049892
#2	15.41132	4.518977	.0212775	.0001348	1.896114	1.452111	.0050046
#3	15.49703	4.532807	.0243058	-.000379	1.909810	1.438089	.0027833

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-01DLX2 Acquired: 12/21/2024 0:32:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZG9 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4676577	.0260054	.0476080
Stddev	.0020396	.0003803	.0012219
%RSD	.4361371	1.462440	2.566488
#1	.4676273	.0264167	.0483761
#2	.4656335	.0259331	.0461990
#3	.4697124	.0256664	.0482488

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2075.001	25337.69	2622.482	1767.414	2150.798
Stddev	6.154	79.26	7.668	5.348	8.210
%RSD	.2965551	.3128259	.2923943	.3026010	.3817282
#1	2079.206	25246.41	2629.722	1764.028	2150.024
#2	2077.860	25377.58	2614.448	1773.579	2159.368
#3	2067.939	25389.08	2623.276	1764.634	2143.003

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-02DLX2 Acquired: 12/21/2024 0:36:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZH0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0303947	-.017006	.4661541	.0284106	.0058439	57.43337	.8855825
Stddev	.0036447	.002282	.0016491	.0041423	.0009116	.14306	.0047446
%RSD	11.99131	13.42059	.3537591	14.58029	15.59821	.2490945	.5357611
#1	.0343320	-.018317	.4656548	.0325602	.0050633	57.27135	.8801805
#2	.0297135	-.018331	.4679951	.0283959	.0056229	57.54229	.8890742
#3	.0271387	-.014371	.4648123	.0242756	.0068457	57.48647	.8874927

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0045009	.0064258	101.9045	.0984124	.0921400	.2672385	90.29729
Stddev	.0001759	.0000697	.3134	.0003891	.0002042	.0027388	.42502
%RSD	3.907928	1.084948	.3075862	.3953904	.2215691	1.024836	.4706888
#1	.0044070	.0065002	101.6983	.0979735	.0920195	.2686615	89.98981
#2	.0043918	.0064152	102.2652	.0987152	.0920248	.2689729	90.78229
#3	.0047038	.0063619	101.7500	.0985484	.0923757	.2640812	90.11977

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.406523	38.71190	.1122260	.0065832	2.224969	.0763599	5.836192
Stddev	.008127	.23534	.0002875	.0005656	.749770	.0036174	.062003
%RSD	.2385805	.6079156	.2561865	8.591110	33.69799	4.737298	1.062383
#1	3.397998	38.54801	.1122735	.0062901	2.802853	.0805251	5.836518
#2	3.414183	38.98156	.1119176	.0062243	1.377733	.0745490	5.898031
#3	3.407387	38.60612	.1124867	.0072351	2.494320	.0740057	5.774027

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.65826	.8654088	.0387925	.0010118	5.368728	1.383504	.0008708
Stddev	.12898	.0063901	.0026110	.0002325	.014824	.008953	.0009971
%RSD	.8237092	.7383928	6.730618	22.97729	.2761141	.6471182	114.5070
#1	15.51575	.8685839	.0384025	.0011684	5.385260	1.387440	.0001657
#2	15.76696	.8580530	.0415765	.0011223	5.356619	1.389815	.0004351
#3	15.69208	.8695894	.0363985	.0007447	5.364306	1.373258	.0020117

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-02DLX2 Acquired: 12/21/2024 0:36:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZH0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0959508	.4221207	.0602406
Stddev	.0021828	.0010372	.0004950
%RSD	2.274887	.2457027	.8217436
#1	.0979845	.4212220	.0601846
#2	.0962235	.4232556	.0607613
#3	.0936445	.4218845	.0597760

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1995.927	24347.62	2567.348	1698.447	2107.677
Stddev	7.714	175.50	9.084	14.453	7.419
%RSD	.3865060	.7208269	.3538414	.8509820	.3519785
#1	2001.075	24440.30	2577.838	1699.208	2110.443
#2	1999.647	24145.20	2562.040	1683.628	2113.315
#3	1987.057	24457.35	2562.167	1712.505	2099.272

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-03DLX2 Acquired: 12/21/2024 0:40:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZH1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1992811	-.050676	.6997644	.0566508	.0207908	68.61337	1.293055
Stddev	.0011151	.004517	.0045356	.0031096	.0030034	.04532	.001468
%RSD	.5595423	8.914279	.6481644	5.489049	14.44573	.0660516	.1134980
#1	.2003124	-.055854	.7032737	.0531729	.0241857	68.59330	1.291446
#2	.1994329	-.048639	.6946429	.0591627	.0197068	68.66526	1.293401
#3	.1980979	-.047536	.7013766	.0576169	.0184800	68.58155	1.294319

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0064858	.0070378	59.99597	.1039446	.0918718	.2886585	137.1128
Stddev	.0001754	.0001355	.22827	.0005487	.0003244	.0017417	.3277
%RSD	2.704718	1.925093	.3804814	.5278915	.3531166	.6033923	.2390233
#1	.0066809	.0071889	59.94049	.1044283	.0920306	.2878061	137.0468
#2	.0064353	.0069971	60.24687	.1033483	.0914986	.2875071	137.4685
#3	.0063411	.0069272	59.80056	.1040573	.0920862	.2906622	136.8231

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.610560	32.16251	.1108927	.0094041	2.009366	.2124248	1.699962
Stddev	.000982	.11190	.0004849	.0002052	1.251910	.0043729	.025857
%RSD	.0271910	.3479161	.4372942	2.182071	62.30372	2.058548	1.521042
#1	3.609525	32.19158	.1112483	.0092852	.656910	.2074045	1.670153
#2	3.610677	32.25700	.1103403	.0096410	3.127664	.2144668	1.713399
#3	3.611478	32.03894	.1110895	.0092861	2.243524	.2154031	1.716335

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.98512	9.442267	.0415091	.0009252	5.212255	1.595717	.0063268
Stddev	.16534	.013676	.0028404	.0001317	.009355	.020987	.0016789
%RSD	.6363006	.1448412	6.842728	14.23785	.1794777	1.315177	26.53548
#1	25.80944	9.435571	.0410400	.0008386	5.208534	1.619400	.0044711
#2	26.13770	9.433228	.0389325	.0008601	5.205334	1.588320	.0077402
#3	26.00821	9.458001	.0445549	.0010767	5.222898	1.579430	.0067693

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-03DLX2 Acquired: 12/21/2024 0:40:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZH1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5595829	.1650349	.0555167
Stddev	.0003259	.0003770	.0010795
%RSD	.0582466	.2284251	1.944540
#1	.5594444	.1646405	.0557405
#2	.5599552	.1653917	.0564668
#3	.5593491	.1650725	.0543428

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2014.013	24692.22	2572.512	1718.103	2112.472
Stddev	3.833	157.56	22.285	12.585	2.748
%RSD	.1903102	.6381114	.8662714	.7324818	.1300656
#1	2012.841	24867.53	2554.586	1731.695	2112.090
#2	2018.295	24562.44	2565.487	1706.854	2115.391
#3	2010.903	24646.67	2597.463	1715.759	2109.936

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV085 Acquired: 12/21/2024 0:43:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV085 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.856505	4.727035	24.30847	4.791190	4.764948	399.9069	10.14989
Stddev	.012345	.005566	.02097	.008469	.004589	2.0865	.06102
%RSD	.2541943	.1177426	.0862839	.1767563	.0963091	.5217405	.6011627
#1	4.863666	4.732373	24.30414	4.791849	4.762213	397.9275	10.09466
#2	4.842250	4.721267	24.33127	4.799309	4.770246	402.0861	10.21539
#3	4.863599	4.727464	24.28999	4.782410	4.762384	399.7072	10.13961

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5010539	2.448884	402.0836	15.11144	2.434340	14.87111	405.2136
Stddev	.0041926	.001203	1.2668	.02174	.002226	.05493	2.0499
%RSD	.8367564	.0491088	.3150516	.1438507	.0914221	.3693675	.5058704
#1	.5010095	2.448150	401.0958	15.11467	2.435119	14.81111	403.1920
#2	.5052685	2.450272	403.5118	15.13138	2.436071	14.91893	407.2906
#3	.4968837	2.448230	401.6431	15.08827	2.431829	14.88328	405.1583

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.92322	399.9879	2.469287	1.275540	403.0165	2.502882	14.85241
Stddev	.08196	2.3079	.000976	.005110	1.2392	.011253	.12776
%RSD	.5491793	.5769831	.0395404	.4006541	.3074825	.4495897	.8601669
#1	14.84657	397.5916	2.470343	1.270112	401.7609	2.489946	14.79258
#2	15.00961	402.1957	2.469100	1.276248	404.2387	2.508298	14.76555
#3	14.91347	400.1764	2.468418	1.280259	403.0498	2.510403	14.99910

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	149.4083	4.875871	4.825553	4.740031	4.884894	4.829986	4.834257
Stddev	.4450	.002421	.032941	.013447	.006672	.043210	.009850
%RSD	.2978175	.0496539	.6826375	.2836828	.1365930	.8946233	.2037607
#1	149.1651	4.877114	4.823867	4.728999	4.882661	4.827919	4.839288
#2	149.9218	4.877418	4.859305	4.755009	4.892396	4.874193	4.840575
#3	149.1379	4.873081	4.793488	4.736084	4.879624	4.787847	4.822907

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV085 Acquired: 12/21/2024 0:43:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV085 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	4.987499	4.813877	5.056212
Stddev	.027000	.022325	.032762
%RSD	.5413580	.4637545	.6479601
#1	4.960400	4.788764	5.019511
#2	5.014399	4.831474	5.082509
#3	4.987697	4.821391	5.066616

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1536.802	20408.15	2253.555	1300.700	1758.986
Stddev	7.116	46.84	23.511	2.848	4.168
%RSD	.4630207	.2294929	1.043295	.2189642	.2369519
#1	1544.327	20419.98	2255.930	1303.276	1763.309
#2	1530.182	20356.54	2228.947	1301.184	1754.993
#3	1535.897	20447.94	2275.789	1297.642	1758.657

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCB085 Acquired: 12/21/2024 0:47:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB085 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000814	.0021840	.0014890	.0007944	-.003151	.0078131	.0002381
Stddev	.004415	.0018323	.0024093	.0016644	.002255	.0117142	.0017936
%RSD	542.6737	83.89617	161.8142	209.5231	71.56159	149.9295	753.1604
#1	.003646	.0042981	.0014674	-.000984	-.005423	.0191830	-.000340
#2	-.005184	.0011991	-.000910	.001052	-.000914	.0084736	-.001195
#3	-.000903	.0010548	.003909	.002315	-.003115	-.004217	.002250

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001791	.0001243	.0090728	-.000191	.0001773	-.005835	.0202369
Stddev	.0000852	.0001001	.0118678	.000609	.0002074	.007252	.0350451
%RSD	47.58768	80.59402	130.8055	318.9410	116.9688	124.2826	173.1743
#1	.0000822	.0002179	.0166886	.000512	.0004044	.002497	.0510118
#2	.0002422	.0000187	.0151313	-.000550	.0001298	-.009274	.0276054
#3	.0002128	.0001362	-.004601	-.000534	-.000002	-.010729	-.017907

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005981	.0330913	.0002689	.0004132	.2720941	.0049823	.0050273
Stddev	.0016741	.0194506	.0004817	.0007157	.5542528	.0029723	.0073402
%RSD	279.9004	58.77865	179.1257	173.2123	203.6989	59.65773	146.0071
#1	-.000698	.0535308	.0007961	.0007361	.4451626	.0030222	.0018658
#2	.000004	.0309337	.0001589	-.000407	-.348043	.0084023	.0134185
#3	.002488	.0148095	-.000148	.000911	.719162	.0035225	-.000202

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.104950	-.002323	.0117253	.0000674	-.002744	-.003016	-.011740
Stddev	.026792	.000963	.0026266	.0002469	.004624	.000558	.000406
%RSD	25.52869	41.47213	22.40071	366.1716	168.4949	18.50461	3.461446
#1	-.075874	-.001227	.0144448	.0003503	-.006841	-.003559	-.011295
#2	-.110337	-.002709	.0092028	-.000043	-.003660	-.002444	-.012092
#3	-.128640	-.003034	.0115282	-.000105	.002269	-.003043	-.011831

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCB085 Acquired: 12/21/2024 0:47:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB085 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0018656	-.000122	.0277973
Stddev	.0025502	.000086	.0014203
%RSD	136.6916	70.83869	5.109482
#1	.0044008	-.000064	.0270549
#2	.0018955	-.000081	.0294350
#3	-.000699	-.000221	.0269021

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1834.111	22629.88	2308.845	1564.278	2157.940
Stddev	3.757	36.84	3.836	.442	7.894
%RSD	.2048331	.1627918	.1661530	.0282277	.3657934
#1	1830.479	22640.31	2304.698	1564.062	2157.054
#2	1837.982	22660.38	2309.573	1564.786	2166.238
#3	1833.872	22588.95	2312.266	1563.987	2150.526

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-04DLX2 Acquired: 12/21/2024 0:51:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZH2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1913276	-.039243	.6807702	.0444861	.0155531	61.77504	1.100737
Stddev	.0017856	.003561	.0023842	.0022959	.0023944	.28763	.005902
%RSD	.9332873	9.074848	.3502157	5.160912	15.39501	.4656121	.5362304
#1	.1930966	-.035877	.6780943	.0470960	.0171262	61.52216	1.093922
#2	.1913605	-.038880	.6815480	.0435842	.0127975	61.71501	1.104236
#3	.1895258	-.042971	.6826684	.0427781	.0167357	62.08795	1.104052

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057520	.0069600	71.46247	.1134177	.0887512	.3189747	113.8844
Stddev	.0001894	.0001649	.44412	.0012272	.0004857	.0066062	.5216
%RSD	3.293490	2.369870	.6214673	1.081974	.5472342	2.071074	.4580198
#1	.0057737	.0071350	71.14134	.1120050	.0891203	.3134892	113.3862
#2	.0055527	.0068075	71.27677	.1142195	.0882010	.3263081	113.8403
#3	.0059297	.0069375	71.96929	.1140286	.0889322	.3171268	114.4266

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.129932	28.14936	.1101239	.0098925	1.239258	.1916316	1.608645
Stddev	.017467	.17995	.0008367	.0012043	.387726	.0061786	.041361
%RSD	.5580566	.6392827	.7598200	12.17372	31.28694	3.224216	2.571171
#1	3.110630	27.94244	.1096529	.0099217	1.323979	.1972226	1.562217
#2	3.134515	28.23640	.1096288	.0110820	.816177	.1849980	1.641559
#3	3.144650	28.26925	.1110900	.0086739	1.577618	.1926741	1.622158

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.39403	9.338645	.0373464	.0007882	3.702587	1.987488	.0047172
Stddev	.10810	.010247	.0019312	.0000626	.006521	.009028	.0005795
%RSD	.8070494	.1097246	5.171097	7.946458	.1761150	.4542552	12.28528
#1	13.29797	9.336876	.0357149	.0008360	3.702522	1.988189	.0049462
#2	13.37303	9.329397	.0394787	.0007173	3.696098	1.978130	.0051472
#3	13.51108	9.349661	.0368457	.0008112	3.709139	1.996146	.0040581

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-04DLX2 Acquired: 12/21/2024 0:51:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZH2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6328010	.1515980	.0549015
Stddev	.0052403	.0012812	.0020730
%RSD	.8281177	.8451561	3.775891
#1	.6267648	.1501256	.0569546
#2	.6354523	.1524585	.0549407
#3	.6361859	.1522100	.0528091

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2011.762	24691.95	2556.678	1717.973	2137.992
Stddev	4.327	157.29	14.535	13.392	3.682
%RSD	.2151024	.6369907	.5685052	.7795363	.1722340
#1	2010.385	24863.85	2548.655	1733.405	2139.594
#2	2008.291	24555.23	2573.456	1709.397	2133.780
#3	2016.610	24656.78	2547.924	1711.117	2140.602

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-05DLX2 Acquired: 12/21/2024 0:55:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZH3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1779163	-.051679	.3102461	.0653683	.0201506	74.65807	1.100118
Stddev	.0047880	.003663	.0009365	.0004018	.0023130	.43701	.009546
%RSD	2.691140	7.088745	.3018564	.6147492	11.47848	.5853425	.8677446
#1	.1811417	-.047720	.3108913	.0658308	.0221201	74.29954	1.090663
#2	.1724149	-.052367	.3106751	.0651045	.0207281	75.14485	1.109753
#3	.1801923	-.054949	.3091719	.0651695	.0176036	74.52982	1.099938

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0068458	.0030721	34.03115	.1046558	.0911317	.2989840	136.6907
Stddev	.0001131	.0000912	.10717	.0012460	.0006985	.0073038	1.0622
%RSD	1.652443	2.967136	.3149134	1.190582	.7664606	2.442858	.7771012
#1	.0067199	.0030318	33.95874	.1035617	.0909368	.3058086	135.8426
#2	.0069389	.0030080	34.15426	.1060120	.0905513	.2998627	137.8821
#3	.0068786	.0031764	33.98044	.1043936	.0919069	.2912806	136.3474

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.472977	29.17298	.1259958	.0098313	1.264288	.2303839	.7424024
Stddev	.018139	.22052	.0008573	.0010626	.564392	.0021310	.0152571
%RSD	.5223018	.7558971	.6804271	10.80823	44.64107	.9249832	2.055104
#1	3.458262	28.98943	.1255072	.0088524	.722384	.2306994	.7253186
#2	3.493244	29.41760	.1254946	.0096802	1.848757	.2323396	.7546708
#3	3.467425	29.11192	.1269857	.0109614	1.221723	.2281127	.7472179

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.13738	5.388011	.0255721	-.000354	1.547342	1.074265	.0023162
Stddev	.11890	.026457	.0032175	.000208	.010120	.006374	.0010767
%RSD	1.172907	.4910287	12.58212	58.96101	.6540210	.5933353	46.48635
#1	10.00147	5.358538	.0220445	-.000308	1.536971	1.070579	.0011030
#2	10.22219	5.395787	.0263262	-.000172	1.557190	1.081625	.0026874
#3	10.18847	5.409708	.0283455	-.000581	1.547867	1.070591	.0031583

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-05DLX2 Acquired: 12/21/2024 0:55:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZH3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1782550	.0624911	.0595032
Stddev	.0043535	.0004317	.0023434
%RSD	2.442307	.6908736	3.938338
#1	.1749750	.0621957	.0591697
#2	.1831941	.0629866	.0619956
#3	.1765957	.0622911	.0573444

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2072.119	25623.49	2639.193	1787.167	2165.324
Stddev	10.512	193.60	15.212	16.789	11.626
%RSD	.5072911	.7555693	.5763976	.9394104	.5369246
#1	2078.164	25477.78	2643.699	1780.814	2171.927
#2	2078.212	25549.53	2622.237	1774.482	2172.146
#3	2059.981	25843.18	2651.643	1806.205	2151.900

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-06DLX2 Acquired: 12/21/2024 0:59:11 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZH4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1297886	-.053694	.2679544	.0626160	.0197822	76.11747	1.391813
Stddev	.0086246	.002874	.0016224	.0033379	.0024166	.29420	.006811
%RSD	6.645152	5.352537	.6054890	5.330759	12.21583	.3865027	.4893649
#1	.1212058	-.056399	.2660978	.0656795	.0186694	75.97052	1.390868
#2	.1384545	-.054006	.2686654	.0590586	.0181225	75.92570	1.385523
#3	.1297056	-.050677	.2690999	.0631098	.0225547	76.45619	1.399047

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0068313	.0022152	35.22700	.0970373	.0898119	.1460926	131.4862
Stddev	.0002423	.0000420	.13418	.0006557	.0009296	.0047753	.6911
%RSD	3.546541	1.893994	.3809054	.6757547	1.035012	3.268670	.5255789
#1	.0071088	.0021791	35.13133	.0977724	.0889779	.1504880	131.4364
#2	.0067235	.0022054	35.16930	.0965125	.0896438	.1410115	130.8213
#3	.0066617	.0022613	35.38038	.0968270	.0908140	.1467783	132.2008

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.428389	31.69641	.1038711	.0087200	.6504924	.2140639	.7749508
Stddev	.018050	.13500	.0011526	.0003932	.8248681	.0024923	.0054600
%RSD	.5264982	.4259276	1.109619	4.509436	126.8067	1.164280	.7045603
#1	3.428506	31.68537	.1045957	.0090509	.4513287	.2156605	.7701220
#2	3.410280	31.56727	.1025421	.0082853	1.556708	.2111920	.7738546
#3	3.446380	31.83660	.1044756	.0088238	-.056559	.2153392	.7808757

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.57690	7.262933	.0288973	-.000018	2.621851	1.768733	.0038750
Stddev	.22256	.022620	.0015263	.000226	.013525	.012784	.0006304
%RSD	1.342606	.3114401	5.281804	1266.371	.5158480	.7227620	16.26773
#1	16.33425	7.252906	.0271658	.000130	2.606651	1.782806	.0032174
#2	16.62488	7.247059	.0294782	.000094	2.626345	1.765558	.0039334
#3	16.77155	7.288832	.0300479	-.000277	2.632557	1.757837	.0044741

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-06DLX2 Acquired: 12/21/2024 0:59:11 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZH4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6511213	.0863402	.0643386
Stddev	.0037306	.0010188	.0022183
%RSD	.5729471	1.179970	3.447833
#1	.6519616	.0851773	.0620242
#2	.6470422	.0867674	.0664464
#3	.6543600	.0870758	.0645452

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2072.691	25460.03	2621.884	1770.704	2131.692
Stddev	2.843	99.39	16.525	11.876	5.823
%RSD	.1371758	.3903678	.6302700	.6706977	.2731748
#1	2071.382	25525.15	2602.879	1781.992	2134.566
#2	2075.953	25509.32	2629.916	1771.803	2135.519
#3	2070.738	25345.63	2632.858	1758.317	2124.990

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-07DLX2 Acquired: 12/21/2024 1:03:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZH5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1542626	-.045745	.4450883	.0572210	.0212692	69.34897	1.087711
Stddev	.0076561	.001321	.0019383	.0032566	.0014039	1.17366	.015877
%RSD	4.963057	2.887174	.4354846	5.691245	6.600747	1.692393	1.459672
#1	.1456905	-.047087	.4468470	.0534610	.0199775	68.02343	1.069528
#2	.1604210	-.045701	.4454077	.0591445	.0227634	69.76744	1.094774
#3	.1566763	-.044446	.4430101	.0590576	.0210668	70.25604	1.098830

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065249	.0046400	47.66969	.1013215	.0964918	.2353602	127.8714
Stddev	.0002301	.0000195	.71842	.0014067	.0009351	.0087452	2.1298
%RSD	3.526782	.4204572	1.507076	1.388337	.9690831	3.715678	1.665551
#1	.0063254	.0046175	46.85018	.1024279	.0956762	.2282987	125.4679
#2	.0064728	.0046517	47.96796	.1017983	.0975124	.2326395	128.6224
#3	.0067767	.0046508	48.19092	.0997384	.0962868	.2451424	129.5239

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.656033	29.77543	.1135253	.0094689	.8294869	.2014267	1.128754
Stddev	.062048	.50330	.0008776	.0005080	.0370282	.0040009	.011610
%RSD	1.697148	1.690306	.7730119	5.365172	4.463987	1.986295	1.028579
#1	3.590208	29.25277	.1139729	.0090113	.8485092	.1989806	1.141442
#2	3.664445	29.81669	.1140889	.0100156	.7868140	.2060439	1.126159
#3	3.713446	30.25682	.1125142	.0093799	.8531375	.1992557	1.118661

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.96535	5.358602	.0289222	.0003683	2.707485	1.972108	.0022011
Stddev	.13794	.009367	.0015177	.0002219	.007335	.035014	.0014833
%RSD	.8130726	.1748065	5.247577	60.24414	.2708983	1.775478	67.38755
#1	16.81235	5.367831	.0302659	.0003490	2.715714	1.931704	.0004969
#2	17.08019	5.358874	.0292247	.0005991	2.705106	1.991024	.0029055
#3	17.00352	5.349102	.0272760	.0001567	2.701635	1.993596	.0032010

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-07DLX2 Acquired: 12/21/2024 1:03:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZH5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4167565	.1089451	.0578523
Stddev	.0082691	.0016145	.0017371
%RSD	1.984150	1.481951	3.002626
#1	.4072226	.1070852	.0560211
#2	.4219773	.1097649	.0580589
#3	.4210696	.1099853	.0594768

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2066.060	25257.38	2612.135	1752.290	2157.238
Stddev	5.593	253.62	44.824	18.823	6.708
%RSD	.2706896	1.004132	1.715982	1.074173	.3109303
#1	2062.754	25255.74	2663.290	1745.084	2153.026
#2	2062.909	25004.59	2593.384	1738.136	2153.715
#3	2072.517	25511.81	2579.732	1773.651	2164.973

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-08DLX2 Acquired: 12/21/2024 1:06:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZH6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5971429	-.053189	.8711984	.0603313	.0223991	51.48900	.6190598
Stddev	.0028527	.003301	.0037690	.0032965	.0017022	.11142	.0016654
%RSD	.4777278	6.206900	.4326180	5.463970	7.599536	.2163872	.2690233
#1	.5976784	-.056189	.8750257	.0619382	.0241272	51.55580	.6208631
#2	.5996900	-.049652	.8710789	.0565395	.0207240	51.36038	.6187367
#3	.5940604	-.053727	.8674907	.0625162	.0223460	51.55081	.6175796

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051703	.0073577	19.75121	.0719037	.0660854	.3009263	122.1145
Stddev	.0000453	.0000878	.08294	.0010964	.0005829	.0041812	.0834
%RSD	.8763684	1.193922	.4199272	1.524779	.8819929	1.389431	.0683347
#1	.0051562	.0074337	19.65630	.0706926	.0666720	.3027196	122.0822
#2	.0051337	.0072615	19.78757	.0728285	.0655063	.2961476	122.0520
#3	.0052210	.0073778	19.80976	.0721901	.0660780	.3039117	122.2092

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.631848	21.96006	.0763433	.0113141	1.513448	.1779203	1.541617
Stddev	.003010	.10349	.0002860	.0007679	.839987	.0033993	.031903
%RSD	.1143772	.4712744	.3745796	6.786729	55.50156	1.910582	2.069462
#1	2.628397	22.07481	.0763921	.0107998	.698924	.1740103	1.505535
#2	2.633211	21.87378	.0766017	.0121967	2.376771	.1795762	1.553223
#3	2.633935	21.93161	.0760361	.0109458	1.464650	.1801744	1.566092

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.817879	5.297533	.0233101	.0003776	1.465932	1.313895	.0013818
Stddev	.079050	.004685	.0013119	.0007795	.009531	.012146	.0012649
%RSD	.8051598	.0884410	5.627920	206.4475	.6501977	.9244537	91.54077
#1	9.737755	5.292128	.0237876	.0001455	1.454945	1.310874	.0021632
#2	9.895808	5.300040	.0243164	.0012467	1.470870	1.303544	.0020599
#3	9.820075	5.300430	.0218264	-.000260	1.471982	1.327266	-.000078

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-08DLX2 Acquired: 12/21/2024 1:06:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZH6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7341574	-.015730	.0331391
Stddev	.0034018	.000251	.0021526
%RSD	.4633575	1.593819	6.495764
#1	.7333897	-.015843	.0350237
#2	.7312051	-.015443	.0307932
#3	.7378775	-.015904	.0336003

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1991.630	24685.26	2530.993	1710.492	2167.594
Stddev	3.257	304.36	4.814	19.782	3.551
%RSD	.1635181	1.232944	.1902129	1.156530	.1638269
#1	1994.807	24994.10	2526.943	1732.471	2170.982
#2	1988.299	24385.59	2536.316	1694.114	2163.900
#3	1991.784	24676.10	2529.721	1704.890	2167.902

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-09DLX2 Acquired: 12/21/2024 1:10:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZH7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3592001	-.058571	.4164652	.0652317	.0225614	64.86751	.8090046
Stddev	.0000520	.001417	.0004960	.0036724	.0034601	.29483	.0044756
%RSD	.0144903	2.419199	.1190926	5.629789	15.33628	.4545159	.5532165
#1	.3591971	-.059511	.4170373	.0618020	.0202794	64.55673	.8048985
#2	.3592536	-.059262	.4161550	.0647869	.0208621	64.90252	.8083399
#3	.3591496	-.056941	.4162035	.0691062	.0265425	65.14327	.8137753

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062093	.0058832	25.32857	.0897411	.0841173	.2704478	134.7719
Stddev	.0001128	.0001600	.09430	.0006935	.0004899	.0059248	.4420
%RSD	1.816976	2.719789	.3723237	.7727871	.5823853	2.190719	.3279731
#1	.0062162	.0059777	25.23498	.0894573	.0843126	.2650442	134.3155
#2	.0060932	.0056984	25.32717	.0892346	.0835599	.2695159	134.8024
#3	.0063185	.0059734	25.42357	.0905315	.0844794	.2767832	135.1979

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.400439	27.55857	.0966638	.0095798	.8237057	.2094243	1.079589
Stddev	.011088	.15790	.0004648	.0011410	.2936200	.0052312	.014188
%RSD	.3260815	.5729466	.4808037	11.91010	35.64622	2.497900	1.314242
#1	3.387842	27.43568	.0963676	.0108350	.8307083	.2047757	1.077741
#2	3.404755	27.50339	.0964243	.0092988	1.113762	.2150890	1.066416
#3	3.408720	27.73666	.0971995	.0086056	.526647	.2084083	1.094611

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.500660	4.848996	.0223871	-.000264	1.052006	1.306808	.0022903
Stddev	.034458	.017705	.0016979	.000342	.003432	.010795	.0011888
%RSD	.3626859	.3651317	7.584028	129.7865	.3262597	.8260343	51.90451
#1	9.502494	4.835929	.0224583	-.000422	1.048598	1.299103	.0032728
#2	9.534164	4.841912	.0206548	.000129	1.051959	1.319146	.0026292
#3	9.465322	4.869146	.0240483	-.000498	1.055462	1.302175	.0009689

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-09DLX2 Acquired: 12/21/2024 1:10:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZH7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8194778	-.004149	.0459689
Stddev	.0045077	.000188	.0021028
%RSD	.5500664	4.540441	4.574499
#1	.8145126	-.004366	.0482911
#2	.8233128	-.004056	.0454225
#3	.8206081	-.004025	.0441932

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2041.094	25015.32	2581.141	1736.015	2165.091
Stddev	3.247	71.17	9.472	5.049	2.946
%RSD	.1590964	.2844907	.3669752	.2908565	.1360674
#1	2040.337	24937.25	2580.323	1737.320	2163.411
#2	2044.653	25076.57	2572.104	1740.283	2168.492
#3	2038.292	25032.12	2590.996	1730.441	2163.368

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-10DLX2 Acquired: 12/21/2024 1:14:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZH8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2148305	-.040042	.2665843	.0498368	.0161623	57.91525	.7934323
Stddev	.0010931	.003811	.0017723	.0062954	.0024281	4.14870	.0562488
%RSD	.5087989	9.518658	.6648108	12.63209	15.02343	7.163400	7.089296
#1	.2151112	-.041959	.2673558	.0438393	.0148794	53.18917	.7291754
#2	.2136244	-.035653	.2645570	.0492782	.0146447	59.60020	.8173628
#3	.2157558	-.042515	.2678400	.0563929	.0189628	60.95639	.8337587

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051959	.0041871	28.74450	.0830271	.0810112	.1716520	109.4375
Stddev	.0003765	.0001757	2.19066	.0005526	.0001852	.0168032	7.7428
%RSD	7.245323	4.197015	7.621148	.6655986	.2285785	9.789119	7.075081
#1	.0047742	.0043765	26.24220	.0830053	.0810716	.1522665	100.5718
#2	.0053157	.0040293	29.67493	.0824857	.0808034	.1820508	112.8699
#3	.0054979	.0041556	30.31638	.0835903	.0811586	.1806389	114.8708

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.333416	28.81297	.1057907	.0082442	.6464743	.1572494	.8254051
Stddev	.239382	2.09902	.0005959	.0018122	.6096216	.0133054	.0130944
%RSD	7.181280	7.284967	.5632932	21.98127	94.29943	8.461308	1.586421
#1	3.059984	26.39938	.1053770	.0061589	-.048653	.1582866	.8118540
#2	3.435055	29.82801	.1064737	.0091367	1.090148	.1434558	.8379892
#3	3.505207	30.21153	.1055213	.0094370	.897928	.1700058	.8263721

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.40245	4.513678	.0198403	-.000126	3.571351	1.257865	.0008842
Stddev	1.04997	.016260	.0009704	.000739	.004170	.080709	.0010765
%RSD	10.09352	.3602489	4.891064	585.9053	.1167557	6.416373	121.7492
#1	9.19834	4.521942	.0193280	.000542	3.573579	1.165351	.0012167
#2	10.88191	4.494945	.0209595	-.000000	3.566541	1.294382	.0017553
#3	11.12711	4.524146	.0192333	-.000920	3.573934	1.313863	-.000319

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-10DLX2 Acquired: 12/21/2024 1:14:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZH8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3072787	.0743674	.0439252
Stddev	.0204030	.0051055	.0059966
%RSD	6.639892	6.865243	13.65181
#1	.2846645	.0685082	.0388004
#2	.3128649	.0767331	.0424551
#3	.3243068	.0778610	.0505201

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2020.032	24551.08	2649.234	1707.672	2153.569
Stddev	5.118	91.34	163.734	11.459	4.409
%RSD	.2533814	.3720542	6.180415	.6710354	.2047484
#1	2020.149	24643.85	2836.815	1720.535	2150.504
#2	2014.857	24548.18	2575.902	1703.924	2151.580
#3	2025.092	24461.23	2534.983	1698.556	2158.622

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-11DLX2 Acquired: 12/21/2024 1:18:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZQ9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1011461	-.124907	.0512612	.1312304	.0544048	117.8459	.2016033
Stddev	.0028510	.001216	.0023300	.0039069	.0029694	.3738	.0016213
%RSD	2.818678	.9731572	4.545332	2.977163	5.457960	.3171636	.8042199
#1	.1044290	-.126270	.0500490	.1297438	.0517236	117.5742	.2034370
#2	.0992918	-.123936	.0539474	.1282850	.0538944	117.6915	.2003593
#3	.0997176	-.124514	.0497872	.1356624	.0575962	118.2722	.2010138

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0067015	.0013516	30.45610	.3165812	.1940535	.5999702	268.2801
Stddev	.0000958	.0001023	.05842	.0006405	.0001258	.0048803	.5797
%RSD	1.429315	7.565383	.1918221	.2023078	.0648233	.8134163	.2160734
#1	.0066336	.0013316	30.39195	.3163959	.1939088	.6040860	267.6714
#2	.0068111	.0014624	30.47011	.3160539	.1941365	.5945788	268.3435
#3	.0066600	.0012608	30.50625	.3172939	.1941152	.6012458	268.8255

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.239969	98.01722	.3193706	.0172018	.6969388	.6779144	.2682626
Stddev	.016624	.08569	.0017867	.0002789	.2491114	.0022722	.0114052
%RSD	.3920753	.0874193	.5594360	1.621547	35.74366	.3351709	4.251515
#1	4.228528	97.97705	.3212093	.0169343	.8885011	.6782202	.2565803
#2	4.232341	97.95900	.3176410	.0174909	.7869920	.6755048	.2688386
#3	4.259037	98.11561	.3192613	.0171802	.4153232	.6800181	.2793689

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7602558	2.692576	.0416250	-.001637	.2374200	1.058897	.0122321
Stddev	.0452894	.001338	.0026130	.000135	.0046410	.009368	.0010290
%RSD	5.957123	.0496885	6.277494	8.270436	1.954748	.8846508	8.412615
#1	.7506376	2.692348	.0421973	-.001726	.2388188	1.066173	.0111337
#2	.7205481	2.694013	.0387733	-.001481	.2322405	1.062191	.0131738
#3	.8095816	2.691366	.0439045	-.001704	.2412007	1.048327	.0123889

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-11DLX2 Acquired: 12/21/2024 1:18:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZQ9 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8310668	-.155846	.0530878
Stddev	.0046337	.000071	.0024505
%RSD	.5575612	.0454277	4.615855
#1	.8259450	-.155776	.0553685
#2	.8322875	-.155917	.0504971
#3	.8349680	-.155845	.0533978

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1973.408	24135.70	2513.280	1672.198	2091.423
Stddev	1.763	53.98	13.393	3.498	3.119
%RSD	.0893510	.2236517	.5328950	.2091797	.1491166
#1	1972.504	24082.53	2499.784	1676.227	2090.180
#2	1972.280	24190.46	2513.486	1669.941	2089.117
#3	1975.440	24134.12	2526.568	1670.425	2094.971

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-12DLX2 Acquired: 12/21/2024 1:22:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1059587	-.120292	.0544081	.1268838	.0521425	113.8360	.1650192
Stddev	.0054981	.005253	.0017806	.0045892	.0018543	.6557	.0013206
%RSD	5.188904	4.366930	3.272710	3.616815	3.556172	.5760064	.8002681
#1	.1095704	-.120748	.0564642	.1250590	.0500619	113.0917	.1635500
#2	.0996312	-.125302	.0533893	.1321046	.0536205	114.3283	.1661073
#3	.1086746	-.114826	.0533709	.1234877	.0527452	114.0880	.1654005

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065020	.0014607	27.75688	.3096132	.2020296	.6336995	259.1760
Stddev	.0000760	.0001969	.14882	.0009047	.0002881	.0081974	1.7740
%RSD	1.168452	13.47833	.5361618	.2921888	.1425979	1.293577	.6844840
#1	.0065531	.0016794	27.58701	.3105265	.2022133	.6306675	257.3328
#2	.0064147	.0014054	27.81935	.3087175	.2021781	.6274500	260.8716
#3	.0065382	.0012974	27.86429	.3095957	.2016976	.6429810	259.3235

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.165472	94.88006	.3133434	.0158682	.8466578	.6346479	.3088774
Stddev	.020882	.60933	.0007466	.0005346	.3436042	.0099062	.0007265
%RSD	.5013178	.6422122	.2382693	3.368865	40.58360	1.560892	.2351971
#1	4.146752	94.20233	.3124815	.0162301	.4532021	.6253277	.3095382
#2	4.187994	95.38262	.3137579	.0152542	.9991325	.6335649	.3080995
#3	4.161669	95.05524	.3137909	.0161203	1.087639	.6450510	.3089946

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.398914	2.566037	.0552537	-.001472	.2442352	.5058306	.0118158
Stddev	.303711	.001887	.0040418	.000142	.0074422	.0045017	.0017383
%RSD	8.935542	.0735439	7.315047	9.680611	3.047154	.8899565	14.71202
#1	3.049917	2.565840	.0526895	-.001593	.2528248	.5088391	.0108102
#2	3.603273	2.564257	.0599129	-.001315	.2401640	.5006553	.0138230
#3	3.543551	2.568015	.0531586	-.001507	.2397168	.5079974	.0108141

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-12DLX2 Acquired: 12/21/2024 1:22:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6924407	-.153933	.0483461
Stddev	.0026858	.001391	.0031510
%RSD	.3878772	.9038413	6.517478
#1	.6897892	-.152351	.0480001
#2	.6951596	-.154969	.0453824
#3	.6923732	-.154479	.0516558

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1977.105	24273.31	2529.209	1683.875	2101.861
Stddev	2.712	47.03	8.972	2.196	4.140
%RSD	.1371851	.1937454	.3547341	.1304069	.1969700
#1	1976.803	24228.30	2537.924	1686.402	2101.522
#2	1974.557	24269.51	2529.702	1682.794	2097.901
#3	1979.956	24322.13	2520.000	1682.430	2106.160

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-13DLX2 Acquired: 12/21/2024 1:26:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0886514	-.077885	.0639060	.0870031	.0331749	84.14714	.4681328
Stddev	.0027745	.003289	.0014685	.0046976	.0030266	.10205	.0013062
%RSD	3.129693	4.222528	2.297965	5.399300	9.123060	.1212728	.2790342
#1	.0916275	-.080882	.0622346	.0838300	.0302517	84.07557	.4683906
#2	.0861362	-.074367	.0649896	.0923996	.0362952	84.10185	.4692910
#3	.0881905	-.078405	.0644939	.0847798	.0329778	84.26399	.4667169

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054429	.0013476	30.96270	.1859131	.1380915	.3787580	182.5111
Stddev	.0000673	.0000716	.06575	.0008562	.0005655	.0024138	.3898
%RSD	1.237407	5.313846	.2123569	.4605263	.4095160	.6372849	.2135503
#1	.0053659	.0012650	30.93592	.1855259	.1380797	.3802375	182.0623
#2	.0054910	.0013886	30.91456	.1868945	.1375321	.3759726	182.7641
#3	.0054717	.0013894	31.03761	.1853189	.1386629	.3800639	182.7069

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.875095	62.59366	.2026608	.0115383	1.740504	.4019176	.2661777
Stddev	.003480	.13513	.0001232	.0013373	.823748	.0078434	.0040171
%RSD	.0898111	.2158813	.0607672	11.58994	47.32811	1.951494	1.509188
#1	3.878619	62.56336	.2025792	.0130442	.941647	.4094105	.2615498
#2	3.875008	62.74137	.2026007	.0110812	1.692796	.3937653	.2687639
#3	3.871660	62.47626	.2028025	.0104895	2.587069	.4025770	.2682195

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.852313	3.667551	.0285599	-.000733	.6509729	1.092589	.0058026
Stddev	.120418	.004375	.0040729	.000097	.0019050	.006346	.0016074
%RSD	1.360305	.1193023	14.26078	13.21001	.2926421	.5808043	27.70151
#1	8.724132	3.666315	.0250590	-.000787	.6488906	1.097382	.0053555
#2	8.869736	3.672412	.0275907	-.000791	.6526281	1.094991	.0075862
#3	8.963070	3.663927	.0330299	-.000621	.6514000	1.085392	.0044660

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-13DLX2 Acquired: 12/21/2024 1:26:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5976223	-.051869	.0467208
Stddev	.0034273	.000307	.0016187
%RSD	.5734950	.5923962	3.464600
#1	.6015747	-.051723	.0485728
#2	.5954701	-.052223	.0460134
#3	.5958223	-.051663	.0455762

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1994.726	24547.61	2532.000	1703.344	2117.038
Stddev	5.077	18.79	9.979	3.603	5.088
%RSD	.2545043	.0765310	.3941093	.2115394	.2403195
#1	1996.990	24550.23	2520.981	1700.120	2122.125
#2	1998.277	24564.95	2534.592	1707.234	2117.038
#3	1988.911	24527.65	2540.427	1702.679	2111.950

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-14DLX2 Acquired: 12/21/2024 1:29:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0723011	-.046715	.0988166	.0593191	.0213639	68.09290	.7509518
Stddev	.0048478	.004648	.0022537	.0033484	.0030049	.13604	.0017704
%RSD	6.705045	9.949442	2.280724	5.644664	14.06554	.1997904	.2357583
#1	.0778457	-.044475	.1005996	.0591841	.0230588	68.00904	.7496870
#2	.0701955	-.052058	.0962834	.0627330	.0231384	68.24987	.7529751
#3	.0688622	-.043610	.0995667	.0560404	.0178944	68.01979	.7501932

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0055496	.0020375	35.91852	.0621521	.0962011	.2104319	128.9814
Stddev	.0000923	.0000669	.06972	.0005556	.0007643	.0060331	.2543
%RSD	1.662868	3.284341	.1941054	.8939457	.7944968	2.867022	.1971915
#1	.0055266	.0019643	35.85896	.0620857	.0958962	.2070934	128.8071
#2	.0056512	.0020524	35.99521	.0627379	.0956363	.2068060	129.2733
#3	.0054709	.0020956	35.90138	.0616326	.0970708	.2173964	128.8639

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.232633	35.59315	.0914923	.0088718	1.616101	.1680011	.3323408
Stddev	.014887	.24097	.0006588	.0006000	.639192	.0118415	.0047112
%RSD	.3517272	.6770074	.7200114	6.763280	39.55148	7.048481	1.417575
#1	4.223914	35.46850	.0912707	.0082065	.878228	.1723516	.3305956
#2	4.249823	35.87091	.0909729	.0090368	2.000002	.1770520	.3376755
#3	4.224163	35.44004	.0922333	.0093721	1.970073	.1545997	.3287512

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.37037	3.675698	.0233744	-.000043	.2797758	1.269565	.0011171
Stddev	.17021	.013446	.0026363	.000275	.0011813	.007781	.0013920
%RSD	1.496919	.3658169	11.27879	644.9592	.4222431	.6129008	124.6132
#1	11.23165	3.660403	.0208197	-.000012	.2810724	1.268085	.0011341
#2	11.56030	3.681031	.0260855	-.000332	.2787604	1.277980	-.000283
#3	11.31916	3.685660	.0232179	.000216	.2794945	1.262630	.002501

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-14DLX2 Acquired: 12/21/2024 1:29:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2891002	.0007224	.0505785
Stddev	.0012323	.0004130	.0017390
%RSD	.4262380	57.17517	3.438119
#1	.2884303	.0011618	.0491205
#2	.2883481	.0003422	.0525031
#3	.2905223	.0006631	.0501118

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2022.834	24799.43	2576.282	1722.616	2133.445
Stddev	4.128	97.28	9.555	10.139	3.268
%RSD	.2040521	.3922584	.3708780	.5886092	.1531809
#1	2025.000	24770.20	2582.173	1724.581	2136.177
#2	2018.074	24720.11	2565.257	1711.638	2129.825
#3	2025.428	24907.97	2581.415	1731.629	2134.335

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-15DLX2 Acquired: 12/21/2024 1:33:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0735029	-.054213	.0731675	.0650241	.0251333	80.21459	.8568968
Stddev	.0043082	.001559	.0006806	.0037225	.0011847	.51508	.0054861
%RSD	5.861193	2.875206	.9302348	5.724816	4.713563	.6421227	.6402329
#1	.0718497	-.053759	.0728850	.0607379	.0262328	79.66366	.8512340
#2	.0702661	-.052932	.0726736	.0674475	.0252885	80.29599	.8572691
#3	.0783928	-.055949	.0739439	.0668869	.0238787	80.68412	.8621873

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0061352	.0014997	39.07150	.0813546	.1015773	.1730293	145.3974
Stddev	.0000321	.0000765	.22124	.0004866	.0002491	.0036814	.7158
%RSD	.5224550	5.101231	.5662384	.5980976	.2452446	2.127625	.4922963
#1	.0061513	.0014926	38.85706	.0813480	.1018531	.1753722	144.5871
#2	.0061559	.0014271	39.05848	.0818445	.1013687	.1749296	145.6614
#3	.0060983	.0015796	39.29896	.0808714	.1015102	.1687860	145.9437

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.350751	38.92986	.1045850	.0088940	.9208315	.2000212	.3223270
Stddev	.023004	.24651	.0001590	.0007664	.5266335	.0044662	.0082198
%RSD	.5287381	.6332131	.1520145	8.617288	57.19108	2.232877	2.550149
#1	4.331053	38.64529	.1044494	.0082881	.5954383	.1949473	.3318181
#2	4.345166	39.06644	.1045457	.0086383	1.528424	.2017583	.3175072
#3	4.376033	39.07784	.1047600	.0097556	.638632	.2033578	.3176559

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.82117	3.886037	.0279416	-.000627	.4686426	.9262299	.0039094
Stddev	.09631	.024062	.0014217	.000678	.0008732	.0051195	.0006256
%RSD	.6968440	.6191838	5.088045	108.2352	.1863210	.5527295	16.00301
#1	13.71260	3.905217	.0268023	-.000032	.4696161	.9206793	.0036891
#2	13.85456	3.893855	.0295348	-.000483	.4683834	.9272436	.0034237
#3	13.89634	3.859039	.0274877	-.001366	.4679285	.9307667	.0046153

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-15DLX2 Acquired: 12/21/2024 1:33:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5014770	.0191447	.0558963
Stddev	.0048950	.0001734	.0027565
%RSD	.9761173	.9058977	4.931440
#1	.4965833	.0192933	.0583647
#2	.5014744	.0189542	.0564023
#3	.5063734	.0191866	.0529218

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2073.065	25246.42	2639.944	1749.893	2171.971
Stddev	6.408	174.24	24.413	11.308	7.047
%RSD	.3091283	.6901662	.9247416	.6462383	.3244368
#1	2066.485	25282.58	2666.508	1749.427	2166.260
#2	2073.424	25056.94	2634.834	1738.825	2169.807
#3	2079.286	25399.75	2618.491	1761.427	2179.845

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-16DLX2 Acquired: 12/21/2024 1:37:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0984396	-.066282	.1163834	.0789139	.0283029	88.94540	.9233895
Stddev	.0037412	.003308	.0002730	.0048097	.0012904	.11624	.0033006
%RSD	3.800466	4.990086	.2346037	6.094921	4.559270	.1306904	.3574442
#1	.1011873	-.066255	.1161103	.0765014	.0283793	89.05716	.9266418
#2	.0941788	-.062988	.1166564	.0757879	.0269760	88.95391	.9200426
#3	.0999525	-.069602	.1163833	.0844524	.0295534	88.82514	.9234842

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0068842	.0023124	44.73232	.0765249	.1192093	.2662449	168.5255
Stddev	.0000180	.0000662	.08453	.0013192	.0002031	.0072270	.2117
%RSD	.2615112	2.864041	.1889633	1.723910	.1703335	2.714433	.1256043
#1	.0068945	.0022715	44.82979	.0772147	.1189797	.2630057	168.5085
#2	.0068948	.0022768	44.68803	.0773562	.1193652	.2745249	168.3229
#3	.0068635	.0023888	44.67914	.0750038	.1192829	.2612041	168.7452

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.113061	45.78918	.1085227	.0116653	1.418116	.2438528	.3535749
Stddev	.013047	.04859	.0008517	.0009515	.220754	.0059774	.0073837
%RSD	.2551792	.1061265	.7848169	8.156718	15.56672	2.451252	2.088297
#1	5.126175	45.78560	.1077578	.0118096	1.668216	.2410783	.3521523
#2	5.112927	45.74247	.1094405	.0106498	1.250408	.2397668	.3615664
#3	5.100081	45.83946	.1083698	.0125363	1.335724	.2507133	.3470061

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.50544	5.059363	.0323033	-.000318	.3739404	1.137699	.0054955
Stddev	.12387	.016267	.0049413	.000082	.0048095	.001799	.0008009
%RSD	.7988592	.3215223	15.29645	25.93446	1.286162	.1580923	14.57330
#1	15.63802	5.044913	.0359535	-.000295	.3710014	1.137640	.0046810
#2	15.48562	5.056194	.0266804	-.000249	.3794906	1.139527	.0055237
#3	15.39268	5.076981	.0342758	-.000409	.3713290	1.135931	.0062820

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-16DLX2 Acquired: 12/21/2024 1:37:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8401346	.0156189	.0645759
Stddev	.0031470	.0002274	.0053973
%RSD	.3745795	1.456035	8.357994
#1	.8431659	.0157952	.0707979
#2	.8403545	.0156993	.0611565
#3	.8368835	.0153622	.0617733

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2048.182	25148.77	2601.291	1743.267	2113.503
Stddev	2.708	124.76	5.605	6.632	3.330
%RSD	.1322167	.4960698	.2154593	.3804093	.1575502
#1	2050.883	25039.90	2600.829	1738.689	2117.337
#2	2048.197	25121.51	2595.932	1740.241	2111.338
#3	2045.467	25284.90	2607.113	1750.872	2111.834

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-17DLX2 Acquired: 12/21/2024 1:41:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0922628	-.058530	.1287002	.0660212	.0245972	84.74246	.9252083
Stddev	.0024059	.002599	.0000803	.0019690	.0016543	.29856	.0033558
%RSD	2.607601	4.441152	.0623897	2.982306	6.725561	.3523159	.3627037
#1	.0896272	-.061508	.1287504	.0642742	.0264465	84.61907	.9256107
#2	.0928203	-.056721	.1287426	.0681548	.0240869	84.52538	.9216695
#3	.0943410	-.057360	.1286076	.0656347	.0232582	85.08294	.9283448

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066337	.0026488	49.27167	.0796336	.1181368	.2238433	154.1233
Stddev	.0000751	.0000202	.20743	.0002944	.0003877	.0093763	.4194
%RSD	1.131785	.7630155	.4209860	.3696679	.3281436	4.188762	.2720935
#1	.0065473	.0026422	49.05449	.0795687	.1179382	.2293643	153.7677
#2	.0066828	.0026714	49.29282	.0799550	.1178888	.2130172	154.0166
#3	.0066711	.0026326	49.46772	.0793771	.1185836	.2291484	154.5858

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.000067	46.02844	.1121312	.0104876	.1764795	.2108653	.4080515
Stddev	.013783	.14830	.0010658	.0014143	.4675017	.0055070	.0061294
%RSD	.2756589	.3221846	.9504771	13.48584	264.9042	2.611611	1.502119
#1	4.991829	45.94403	.1127248	.0088901	.0299957	.2064974	.4125918
#2	4.992392	46.19967	.1127680	.0115802	.6996821	.2090470	.4104833
#3	5.015979	45.94162	.1109008	.0109925	-.200239	.2170515	.4010793

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.89434	5.001535	.0297888	.0000288	.6587269	1.452807	.0041218
Stddev	.05638	.013821	.0037202	.0001989	.0032467	.015183	.0011049
%RSD	.2983900	.2763353	12.48848	691.4739	.4928756	1.045075	26.80611
#1	18.89805	4.985597	.0318625	-.000196	.6607361	1.446594	.0030096
#2	18.94877	5.010210	.0320100	.000099	.6549812	1.441716	.0041366
#3	18.83620	5.008798	.0254940	.000183	.6604632	1.470111	.0052192

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-17DLX2 Acquired: 12/21/2024 1:41:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3664339	.0338157	.0619522
Stddev	.0051196	.0005246	.0027569
%RSD	1.397148	1.551225	4.450019
#1	.3625188	.0339672	.0605462
#2	.3722274	.0342479	.0601818
#3	.3645556	.0332321	.0651286

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2032.952	25162.63	2606.371	1745.478	2094.414
Stddev	10.322	71.18	23.421	8.431	6.114
%RSD	.5077366	.2828954	.8986209	.4830115	.2919046
#1	2038.258	25090.89	2614.580	1744.293	2099.197
#2	2039.541	25163.76	2624.584	1737.702	2096.519
#3	2021.056	25233.24	2579.950	1754.439	2087.526

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-18DLX2 Acquired: 12/21/2024 1:45:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0782671	-.052297	.0913201	.0659449	.0228386	77.10716	.8994848
Stddev	.0017926	.003389	.0005538	.0017218	.0019889	.22228	.0025390
%RSD	2.290400	6.479613	.6064300	2.610982	8.708508	.2882750	.2822776
#1	.0801968	-.055783	.0908474	.0642103	.0250657	76.85563	.8967907
#2	.0779510	-.052092	.0919294	.0659707	.0212394	77.27717	.9018334
#3	.0766536	-.049015	.0911835	.0676536	.0222108	77.18869	.8998303

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058751	.0017981	40.90879	.0677487	.1093140	.1848505	144.7464
Stddev	.0001625	.0000300	.04420	.0002705	.0004318	.0080828	.3214
%RSD	2.766445	1.668996	.1080332	.3993287	.3950472	4.372616	.2220567
#1	.0057625	.0017670	40.86229	.0675476	.1093039	.1926308	144.5482
#2	.0060615	.0018006	40.95024	.0676424	.1097508	.1764958	144.5737
#3	.0058014	.0018268	40.91386	.0680563	.1088873	.1854248	145.1172

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.160826	42.05776	.0951276	.0096127	1.319881	.2057786	.3016841
Stddev	.018943	.22872	.0005260	.0006846	.343024	.0090454	.0025356
%RSD	.3670604	.5438325	.5529625	7.122334	25.98899	4.395675	.8404671
#1	5.141052	41.79496	.0956879	.0098011	1.690580	.1957779	.3041068
#2	5.178812	42.21187	.0950504	.0088535	1.255372	.2081700	.3018963
#3	5.162613	42.16645	.0946444	.0101833	1.013692	.2133881	.2990491

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.07614	4.275710	.0207644	-.000230	.3355663	1.110914	.0031907
Stddev	.11473	.014779	.0024182	.000365	.0055903	.009939	.0015650
%RSD	.9500842	.3456556	11.64587	158.3187	1.665934	.8946616	49.05058
#1	11.94380	4.287059	.0233837	.000043	.3400876	1.100630	.0049035
#2	12.13700	4.258998	.0186170	-.000644	.3293157	1.120467	.0018353
#3	12.14763	4.281072	.0202924	-.000089	.3372958	1.111646	.0028332

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-18DLX2 Acquired: 12/21/2024 1:45:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4212451	.0173990	.0571757
Stddev	.0023367	.0006179	.0031087
%RSD	.5547175	3.551303	5.437124
#1	.4229582	.0168047	.0564768
#2	.4221939	.0180380	.0605743
#3	.4185832	.0173542	.0544759

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2015.371	24876.37	2574.054	1728.115	2111.093
Stddev	3.682	57.97	10.101	5.836	2.589
%RSD	.1827116	.2330268	.3924073	.3376899	.1226348
#1	2016.628	24815.50	2579.581	1724.955	2108.490
#2	2011.225	24882.68	2562.396	1724.541	2111.122
#3	2018.261	24930.92	2580.186	1734.849	2113.668

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-19DLX2 Acquired: 12/21/2024 1:49:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0865607	-.065687	.1024013	.0742216	.0276441	87.37095	.9255884
Stddev	.0066972	.003660	.0016271	.0056370	.0020618	3.46488	.0370622
%RSD	7.736978	5.572165	1.588920	7.594765	7.458545	3.965708	4.004172
#1	.0942467	-.061561	.1010189	.0707533	.0252949	83.66620	.8855847
#2	.0834568	-.068544	.1019906	.0711858	.0291536	87.91505	.9324228
#3	.0819785	-.066957	.1041944	.0807258	.0284837	90.53158	.9587576

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0068128	.0021296	45.39565	.0762385	.1217712	.1994622	164.5809
Stddev	.0003571	.0000878	1.84869	.0005973	.0006290	.0079579	6.7537
%RSD	5.241011	4.122644	4.072403	.7835029	.5165182	3.989683	4.103592
#1	.0065493	.0022203	43.46548	.0769277	.1210626	.1919150	157.4608
#2	.0066700	.0021236	45.57109	.0759169	.1222636	.1986961	165.3855
#3	.0072192	.0020450	47.15036	.0758708	.1219873	.2077754	170.8962

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.255578	46.46380	.1108145	.0096878	1.380080	.2308416	.3501806
Stddev	.203138	1.79643	.0006713	.0012464	.339528	.0041454	.0191514
%RSD	3.865181	3.866309	.6057709	12.86533	24.60207	1.795783	5.469018
#1	5.040746	44.51628	.1104782	.0084029	1.145079	.2288172	.3418447
#2	5.281445	46.81907	.1103779	.0097688	1.225808	.2280974	.3366098
#3	5.444543	48.05606	.1115875	.0108916	1.769353	.2356102	.3720872

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.65310	5.160770	.0261182	-.000798	.3593149	1.100427	.0043155
Stddev	.66894	.022220	.0020289	.000427	.0042392	.031213	.0010487
%RSD	4.899536	.4305649	7.768320	53.50521	1.179792	2.836482	24.30144
#1	12.95237	5.139295	.0244723	-.000403	.3552707	1.064962	.0031182
#2	13.72201	5.159346	.0254972	-.000740	.3589487	1.112597	.0050713
#3	14.28491	5.183668	.0283851	-.001250	.3637253	1.123723	.0047570

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-19DLX2 Acquired: 12/21/2024 1:49:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3451448	.0178108	.0602838
Stddev	.0149174	.0001669	.0035536
%RSD	4.322063	.9371819	5.894720
#1	.3303046	.0176464	.0573347
#2	.3449916	.0179801	.0592875
#3	.3601382	.0178058	.0642292

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2037.702	24896.95	2655.836	1726.028	2092.430
Stddev	4.832	123.09	78.236	6.997	5.668
%RSD	.2371303	.4943989	2.945803	.4053963	.2708978
#1	2043.271	24938.87	2741.047	1728.401	2098.058
#2	2034.620	24993.60	2639.215	1731.530	2092.512
#3	2035.215	24758.37	2587.246	1718.152	2086.722

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-20DLX2 Acquired: 12/21/2024 1:53:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0596633	-.046242	.0792508	.0596110	.0192402	67.64102	.7695969
Stddev	.0088458	.003327	.0039217	.0032283	.0011656	.19767	.0033880
%RSD	14.82620	7.194517	4.948514	5.415544	6.057853	.2922372	.4402272
#1	.0597855	-.044398	.0774183	.0561667	.0202930	67.86919	.7731160
#2	.0684474	-.044244	.0837534	.0625678	.0179877	67.52148	.7663574
#3	.0507571	-.050082	.0765809	.0600985	.0194400	67.53239	.7693174

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051847	.0014333	38.36175	.0559137	.0984818	.1366282	129.7936
Stddev	.0001415	.0000730	.06459	.0006335	.0007674	.0095336	.6510
%RSD	2.728878	5.092567	.1683778	1.132947	.7792399	6.977775	.5015706
#1	.0050841	.0013494	38.43341	.0566393	.0978641	.1473996	130.5119
#2	.0051234	.0014681	38.34383	.0554710	.0982404	.1292746	129.2426
#3	.0053465	.0014824	38.30801	.0556308	.0993409	.1332104	129.6262

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.570576	38.09235	.0842773	.0087452	1.502602	.1573890	.2864420
Stddev	.020410	.10630	.0007173	.0009555	.316425	.0054218	.0095620
%RSD	.4465495	.2790470	.8510753	10.92571	21.05849	3.444852	3.338184
#1	4.594053	38.21112	.0841667	.0098198	1.807713	.1623835	.2945511
#2	4.557055	38.00615	.0836217	.0084245	1.175961	.1581610	.2758980
#3	4.560619	38.05978	.0850434	.0079913	1.524132	.1516226	.2888769

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.06026	3.769696	.0208521	-.000144	.2951465	.8476957	.0027582
Stddev	.11429	.002380	.0019235	.000349	.0016361	.0049008	.0018510
%RSD	.9476437	.0631242	9.224312	242.8423	.5543219	.5781294	67.10828
#1	11.94690	3.766982	.0210135	-.000542	.2939016	.8531388	.0006383
#2	12.17545	3.771426	.0188530	.000108	.2945384	.8463149	.0040539
#3	12.05843	3.770679	.0226897	.000003	.2969995	.8436335	.0035823

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-20DLX2 Acquired: 12/21/2024 1:53:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2294010	.0194380	.0507874
Stddev	.0061249	.0002387	.0025719
%RSD	2.669939	1.228009	5.064074
#1	.2308947	.0195855	.0491748
#2	.2346409	.0191627	.0494339
#3	.2226675	.0195660	.0537534

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2012.247	24757.17	2552.913	1711.389	2131.437
Stddev	3.785	76.73	13.980	9.297	4.067
%RSD	.1881091	.3099168	.5476096	.5432469	.1908188
#1	2010.271	24671.06	2538.278	1704.645	2130.684
#2	2016.611	24818.29	2554.333	1721.995	2135.828
#3	2009.859	24782.14	2566.129	1707.528	2127.798

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-21DLX2 Acquired: 12/21/2024 1:57:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR8D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0535823	-.044877	.0786062	.0584991	.0191479	66.87613	.7606685
Stddev	.0020506	.006903	.0018528	.0023881	.0025334	.14104	.0026632
%RSD	3.826970	15.38278	2.357066	4.082275	13.23046	.2109003	.3501087
#1	.0540760	-.047863	.0766737	.0612563	.0220155	66.71356	.7582598
#2	.0513299	-.049785	.0803675	.0570831	.0172136	66.96578	.7602173
#3	.0553410	-.036983	.0787774	.0571578	.0182146	66.94906	.7635285

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052197	.0013004	37.90518	.0552246	.0978555	.1392670	128.0520
Stddev	.0001126	.0001242	.18980	.0001162	.0001320	.0049037	.4830
%RSD	2.156375	9.551795	.5007116	.2104202	.1349244	3.521079	.3772200
#1	.0053307	.0012017	37.70163	.0553157	.0980080	.1400183	127.5402
#2	.0051056	.0012596	37.93662	.0550937	.0977809	.1340309	128.1160
#3	.0052226	.0014399	38.07729	.0552643	.0977777	.1437516	128.4999

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.512179	37.83010	.0835188	.0085449	1.123823	.1560700	.2807231
Stddev	.005215	.16598	.0015646	.0016212	.594528	.0104897	.0051868
%RSD	.1155668	.4387386	1.873310	18.97215	52.90231	6.721172	1.847657
#1	4.506235	37.64147	.0850518	.0067904	1.227824	.1610241	.2782934
#2	4.515986	37.95378	.0819245	.0088568	.484156	.1440208	.2771971
#3	4.514315	37.89506	.0835800	.0099874	1.659489	.1631652	.2866787

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.84438	3.731506	.0218948	-.000423	.2908292	.8128907	.0028989
Stddev	.14702	.011087	.0033972	.000644	.0053251	.0066399	.0010554
%RSD	1.241283	.2971311	15.51586	152.0135	1.830993	.8168196	36.40641
#1	12.01278	3.721249	.0229774	.000069	.2930765	.8123320	.0039673
#2	11.74157	3.729999	.0246188	-.001152	.2847489	.8065478	.0028722
#3	11.77879	3.743270	.0180883	-.000188	.2946622	.8197922	.0018571

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-21DLX2 Acquired: 12/21/2024 1:57:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR8D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2271028	.0200815	.0508788
Stddev	.0024526	.0004954	.0029173
%RSD	1.079974	2.467151	5.733786
#1	.2255549	.0206114	.0479999
#2	.2258230	.0200035	.0538330
#3	.2299307	.0196298	.0508035

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2008.937	24820.24	2556.704	1718.821	2129.018
Stddev	5.633	194.55	4.366	15.292	2.973
%RSD	.2803986	.7838375	.1707628	.8896675	.1396599
#1	2002.463	24879.55	2557.012	1729.125	2125.698
#2	2012.722	24602.93	2560.908	1701.251	2129.921
#3	2011.625	24978.23	2552.193	1726.086	2131.436

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-20LDLX10 Acquired: 12/21/2024 2:00:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR8L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0139417	-.009086	.0162848	.0144484	.0009301	14.38535	.1641984
Stddev	.0028615	.003276	.0015577	.0034511	.0018286	.03275	.0011392
%RSD	20.52448	36.05978	9.565428	23.88551	196.5993	.2276303	.6937873
#1	.0137822	-.005303	.0179808	.0118199	-.000081	14.35073	.1630441
#2	.0168796	-.010937	.0159554	.0131688	.003041	14.41582	.1642294
#3	.0111633	-.011018	.0149181	.0183565	-.000170	14.38950	.1653218

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012509	.0003240	8.160786	.0116546	.0222582	.0365095	27.83015
Stddev	.0000857	.0000373	.049510	.0001448	.0003103	.0043924	.11792
%RSD	6.849108	11.50207	.6066854	1.242570	1.394205	12.03093	.4237225
#1	.0013389	.0002938	8.201830	.0115803	.0219183	.0314435	27.72379
#2	.0011678	.0003125	8.105799	.0118214	.0225264	.0388307	27.80969
#3	.0012460	.0003657	8.174727	.0115619	.0223299	.0392544	27.95696

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9840272	8.231916	.0169001	.0025345	.5190466	.0284063	.0606047
Stddev	.0017198	.043550	.0001812	.0009946	.1352238	.0089676	.0069223
%RSD	.1747739	.5290423	1.071970	39.24038	26.05235	31.56923	11.42213
#1	.9839615	8.208404	.0170194	.0026384	.5038177	.0361311	.0634486
#2	.9823412	8.282169	.0166916	.0034730	.3920819	.0185719	.0656521
#3	.9857789	8.205175	.0169893	.0014921	.6612402	.0305158	.0527133

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.224152	.7378981	.0021775	-.000416	.0531447	.1718392	-.003327
Stddev	.123021	.0059797	.0033978	.000095	.0012258	.0016620	.000627
%RSD	5.531124	.8103751	156.0412	22.88582	2.306502	.9672061	18.83443
#1	2.140325	.7311763	-.001614	-.000449	.0545326	.1699735	-.003304
#2	2.166749	.7426266	.004946	-.000490	.0526912	.1723825	-.003965
#3	2.365382	.7398913	.003200	-.000309	.0522102	.1731616	-.002712

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-20LDLX10 Acquired: 12/21/2024 2:00:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR8L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0482106	.0041826	.0159014
Stddev	.0028485	.0002220	.0011754
%RSD	5.908396	5.308453	7.391903
#1	.0453406	.0043866	.0171289
#2	.0482544	.0039461	.0157893
#3	.0510370	.0042150	.0147861

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1867.703	23084.57	2378.975	1593.426	2151.233
Stddev	11.253	95.25	10.715	9.539	9.671
%RSD	.6025267	.4126197	.4503876	.5986504	.4495755
#1	1875.503	22986.81	2374.565	1585.574	2159.706
#2	1854.803	23177.10	2391.191	1604.042	2140.696
#3	1872.804	23089.79	2371.169	1590.664	2153.296

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-22DLX2 Acquired: 12/21/2024 2:04:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR8S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1490227	.0426423	.1204755	.2362011	.1875105	70.73642	4.599313
Stddev	.0021933	.0009127	.0010544	.0023430	.0007935	.34503	.021677
%RSD	1.471812	2.140289	.8752201	.9919368	.4231679	.4877659	.4713158
#1	.1502612	.0427571	.1196651	.2368372	.1884137	70.52186	4.586858
#2	.1464902	.0416777	.1200938	.2381602	.1869252	70.55299	4.586738
#3	.1503166	.0434922	.1216676	.2336057	.1871928	71.13442	4.624344

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1023607	.1011363	38.01781	.4533525	1.068742	.5935258	130.5272
Stddev	.0002632	.0001450	.20008	.0004136	.000610	.0054426	.4489
%RSD	.2570789	.1434064	.5262918	.0912319	.0570895	.9169901	.3438958
#1	.1024514	.1012876	37.98541	.4538055	1.069445	.5983177	130.2517
#2	.1025666	.1009984	37.83590	.4532567	1.068430	.5876085	130.2847
#3	.1020642	.1011228	38.23212	.4529951	1.068351	.5946512	131.0451

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.502978	37.90060	1.080315	.0776390	1.069437	1.117935	1.133619
Stddev	.018519	.12356	.000887	.0016369	.454577	.005192	.015911
%RSD	.3365270	.3260227	.0821353	2.108313	42.50617	.4643840	1.403556
#1	5.492361	37.82186	1.081339	.0795011	1.464317	1.113987	1.119580
#2	5.492212	37.83693	1.079836	.0764275	1.171482	1.116003	1.130374
#3	5.524362	38.04302	1.079770	.0769882	.572510	1.123816	1.150902

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.91333	3.760967	.0221491	-.000912	.2950425	.8100490	.0015462
Stddev	.01866	.005359	.0033405	.000328	.0070335	.0023066	.0008296
%RSD	.1566005	.1425011	15.08184	35.97022	2.383888	.2847531	53.65431
#1	11.91507	3.760780	.0249392	-.000901	.2877758	.8105826	.0015838
#2	11.93105	3.755704	.0184475	-.001244	.2955346	.8075223	.0006984
#3	11.89386	3.766418	.0230608	-.000589	.3018170	.8120421	.0023563

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5188-22DLX2 Acquired: 12/21/2024 2:04:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZR8S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2256722	.0175641	.0535179
Stddev	.0033597	.0002278	.0031785
%RSD	1.488737	1.297153	5.939118
#1	.2218154	.0174605	.0571454
#2	.2272384	.0174064	.0512207
#3	.2279628	.0178253	.0521876

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2007.283	24865.61	2563.405	1720.696	2130.847
Stddev	5.891	112.18	6.311	9.397	2.595
%RSD	.2934725	.4511650	.2461993	.5461017	.1217959
#1	2008.509	24860.64	2560.587	1722.993	2130.475
#2	2012.464	24980.19	2570.634	1728.731	2133.609
#3	2000.876	24755.99	2558.994	1710.363	2128.458

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV086 Acquired: 12/21/2024 2:08:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV086 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.800128	4.747109	24.49268	4.802590	4.827376	404.0612	10.19774
Stddev	.003514	.002619	.05259	.018930	.005225	.8074	.02149
%RSD	.0731971	.0551617	.2146999	.3941679	.1082449	.1998126	.2107395
#1	4.797094	4.744172	24.44996	4.811543	4.829204	404.2601	10.20221
#2	4.803978	4.747955	24.47667	4.780844	4.821482	403.1730	10.17437
#3	4.799312	4.749200	24.55141	4.815383	4.831442	404.7505	10.21664

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5072558	2.462546	405.2264	15.31813	2.468007	15.01876	407.4275
Stddev	.0013950	.004350	.5337	.01943	.003110	.02689	.7595
%RSD	.2750045	.1766290	.1317024	.1268244	.1260290	.1790161	.1864176
#1	.5082790	2.459143	405.6486	15.32590	2.465875	15.02373	408.2637
#2	.5078215	2.461047	404.6265	15.29602	2.466570	14.98973	406.7806
#3	.5056668	2.467446	405.4040	15.33247	2.471576	15.04281	407.2381

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.00807	402.1736	2.484360	1.283488	403.3725	2.502847	14.94331
Stddev	.03311	.6891	.003369	.002866	.7432	.009183	.07498
%RSD	.2205834	.1713477	.1355941	.2232915	.1842364	.3669040	.5017474
#1	15.04581	402.4362	2.481075	1.286795	402.7619	2.508278	14.93424
#2	14.98390	401.3918	2.484198	1.281920	404.1999	2.508018	14.87328
#3	14.99451	402.6928	2.487807	1.281747	403.1556	2.492244	15.02241

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	150.4654	4.888620	4.932954	4.791433	4.900546	4.918588	4.886823
Stddev	.3884	.016940	.014082	.006946	.016570	.018552	.004531
%RSD	.2581450	.3465244	.2854672	.1449728	.3381259	.3771719	.0927288
#1	150.8697	4.877365	4.948282	4.786930	4.887238	4.937422	4.881591
#2	150.0951	4.880392	4.929988	4.787936	4.895294	4.918008	4.889504
#3	150.4312	4.908102	4.920590	4.799433	4.919106	4.900333	4.889375

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV086 Acquired: 12/21/2024 2:08:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV086 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	4.998931	4.838324	5.121629
Stddev	.011665	.018989	.014028
%RSD	.2333522	.3924652	.2738934
#1	4.995531	4.857283	5.117731
#2	4.989344	4.819306	5.109963
#3	5.011919	4.838383	5.137194

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1509.185	20073.61	2205.586	1271.116	1737.210
Stddev	3.544	77.28	10.959	5.553	2.824
%RSD	.2348213	.3850026	.4968950	.4368957	.1625514
#1	1506.080	20025.58	2192.931	1267.811	1734.828
#2	1513.046	20162.76	2211.914	1277.528	1740.329
#3	1508.429	20032.50	2211.912	1268.011	1736.473

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCB086 Acquired: 12/21/2024 2:12:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB086 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042660	-.000211	-.000185	.0017549	-.002395	.0212262
Stddev	.0025254	.002085	.000650	.0021211	.001713	.0262945
%RSD	59.19934	989.0208	350.3835	120.8646	71.52202	123.8775
#1	.0028689	.000486	.000513	.0040222	-.004242	.0251368
#2	.0071813	.001436	-.000772	-.000181	-.000860	.0453463
#3	.0027478	-.002555	-.000297	.001423	-.002083	-.006805

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000338	.0001860	.0001627	-.007640	-.000001	.0000831
Stddev	.001161	.0001678	.0000361	.026749	.000460	.0001700
%RSD	343.5080	90.20540	22.19240	350.1337	66255.15	204.5324
#1	.000161	.0003622	.0001466	-.019328	-.000301	.0000292
#2	-.001666	.0001677	.0001375	-.026555	-.000231	-.000053
#3	.000490	.0000281	.0002040	.022965	.000529	.000274

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002845	.0273536	.0000928	.1446171	.0000908	-.000317
Stddev	.0054797	.0268177	.0006881	.0864157	.0005623	.000287
%RSD	1925.912	98.04102	741.5599	59.75481	619.5478	90.67712
#1	-.005989	.0482651	-.000403	.2235983	.0005999	-.000171
#2	.004137	-.002881	-.000196	.0523141	-.000513	-.000132
#3	.002705	.036677	.000878	.1579390	.000185	-.000647

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.113246	-.014518	.0046417	-.181930	-.004173	.0128512
Stddev	.200974	.014935	.0171285	.080856	.000841	.0011271
%RSD	18.05294	102.8696	369.0170	44.44330	20.14941	8.770015
#1	1.215485	-.021290	.0068052	-.124761	-.003244	.0128456
#2	1.242545	.002603	-.013466	-.274440	-.004882	.0139810
#3	.881708	-.024867	.020586	-.146589	-.004394	.0117269

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCB086 Acquired: 12/21/2024 2:12:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB086 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001453	-.011643	-.004066	F -.011232	.0005689	.0002106
Stddev	.0000664	.005523	.000506	.000069	.0005184	.0002099
%RSD	45.71930	47.43042	12.45078	.6144998	91.11976	99.67496
#1	.0000817	-.016512	-.003705	-.011174	-.000007	.0004444
#2	.0002142	-.005642	-.004645	-.011308	.000998	.0001491
#3	.0001400	-.012776	-.003848	-.011213	.000716	.0000383

Elem	Li6707
Units	ppm
Avg	F .0291577
Stddev	.0027582
%RSD	9.459725
#1	.0273760
#2	.0323348
#3	.0277622

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1814.257	22519.68	2295.837	1547.359	2143.135
Stddev	4.880	4.70	5.349	6.100	4.547
%RSD	.2689745	.0208817	.2329973	.3942292	.2121850
#1	1812.522	22524.66	2290.472	1540.669	2141.345
#2	1819.767	22515.31	2301.170	1548.796	2148.305
#3	1810.482	22519.06	2295.868	1552.613	2139.755

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165688BL Acquired: 12/21/2024 2:16:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS688 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023006	.0003376	.0000537	.0008081	-.001979	-.019926
Stddev	.0044380	.0021485	.0018607	.0003703	.001810	.033517
%RSD	192.9104	636.3606	3466.639	45.82250	91.47680	168.2066
#1	.0071192	-.001266	-.000060	.0003821	-.000117	-.043770
#2	-.001619	.002779	-.001748	.0010530	-.003732	.018396
#3	.001401	-.000500	.001968	.0009892	-.002088	-.034404

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008980	.0001423	.0000766	.0155908	-.000742	.0000040
Stddev	.0015291	.0000071	.0000317	.0516635	.001063	.0000387
%RSD	170.2748	5.006896	41.41859	331.3711	143.2726	956.4911
#1	.0021805	.0001344	.0000771	.0509751	-.001339	.0000480
#2	-.000794	.0001443	.0001080	-.043696	.000485	-.000011
#3	.001308	.0001482	.0000446	.039493	-.001372	-.000025

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002390	.0009381	-.001021	.0453288	.0002434	.0003694
Stddev	.008261	.0469170	.001410	.0440727	.0002871	.0006805
%RSD	345.6162	5001.391	138.0197	97.22873	117.9612	184.2408
#1	.002620	-.009100	.000126	.0308544	.0002235	-.000206
#2	-.011925	-.040148	-.002595	.0103137	.0005399	.001120
#3	.002134	.052062	-.000595	.0948185	-.000033	.000194

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.285426	-.001921	-.012504	-.323878	-.003120	.0031023
Stddev	.810886	.006263	.009172	.196716	.002384	.0025784
%RSD	63.08304	326.0406	73.35672	60.73757	76.40934	83.11275
#1	1.444561	.004032	-.009058	-.146292	-.005557	.0051558
#2	2.004946	-.001342	-.022900	-.535327	-.003012	.0039425
#3	.406769	-.008453	-.005553	-.290016	-.000792	.0002086

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165688BL Acquired: 12/21/2024 2:16:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS688 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000271	-.005420	-.004107	-.005280	.0022973	-.000075
Stddev	.000259	.001689	.000820	.001815	.0009878	.000132
%RSD	95.57971	31.16152	19.96867	34.38494	42.99621	175.6737
#1	-.000004	-.006364	-.004106	-.007363	.0013955	-.000116
#2	-.000522	-.003470	-.004928	-.004435	.0021435	.000072
#3	-.000287	-.006427	-.003288	-.004040	.0033530	-.000182

Elem	Li6707
Units	ppm
Avg	F .0176902
Stddev	.0038809
%RSD	21.93819
#1	.0205985
#2	.0191887
#3	.0132835

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1820.974	22684.14	2299.266	1560.544	2144.899
Stddev	5.977	56.88	13.208	11.648	9.684
%RSD	.3282042	.2507650	.5744608	.7463937	.4514930
#1	1814.321	22637.70	2284.301	1547.414	2133.879
#2	1822.710	22747.59	2309.296	1564.585	2152.050
#3	1825.890	22667.13	2304.202	1569.633	2148.769

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165688BS Acquired: 12/21/2024 2:20:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS688 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0211339	.0521039	.0207894	.0595046	.1053383	.4047405
Stddev	.0027888	.0024306	.0004344	.0053710	.0018518	.0133283
%RSD	13.19572	4.664836	2.089424	9.026192	1.757960	3.293060
#1	.0180054	.0520596	.0203902	.0600362	.1052927	.4098670
#2	.0220374	.0545562	.0207260	.0538875	.1072125	.4147444
#3	.0233589	.0496957	.0212520	.0645900	.1035098	.3896101

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4190300	.0104592	.0098801	10.20759	.0206471	.1010275
Stddev	.0027873	.0000604	.0000351	.06460	.0002486	.0003446
%RSD	.6651890	.5774914	.3549941	.6329024	1.203891	.3411090
#1	.4160627	.0104789	.0098452	10.21789	.0204324	.1011995
#2	.4215933	.0103915	.0099153	10.26643	.0205895	.1006308
#3	.4194338	.0105074	.0098798	10.13846	.0209194	.1012524

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0405695	.1673682	.0326321	10.50606	.0789443	.0205142
Stddev	.0071280	.0154596	.0007210	.05854	.0005952	.0007632
%RSD	17.56978	9.236870	2.209433	.5571788	.7539215	3.720364
#1	.0379109	.1628832	.0334503	10.44827	.0783719	.0196485
#2	.0351530	.1845745	.0323563	10.50457	.0789012	.0210899
#3	.0486447	.1546471	.0320898	10.56532	.0795599	.0208041

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.30399	.1055169	.1231702	9.520829	F .0139513	F .0025730
Stddev	.30770	.0083582	.0102373	.197256	.0009391	.0026351
%RSD	2.722033	7.921219	8.311478	2.071838	6.731086	102.4134
#1	11.07007	.0981251	.1256051	9.293064	.0145475	.0054826
#2	11.18934	.1038387	.1119350	9.633188	.0144375	.0003471
#3	11.65255	.1145869	.1319705	9.636236	.0128688	.0018893

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165688BS Acquired: 12/21/2024 2:20:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS688 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0186295	.1711044	F .4841319	F .0092627	.2052606	.2142879
Stddev	.0004699	.0003424	.0023943	.0016876	.0058639	.0008705
%RSD	2.522340	.2000955	.4945633	18.21906	2.856790	.4062306
#1	.0180959	.1712103	.4862315	.0073285	.1999310	.2132855
#2	.0189816	.1713814	.4815243	.0100248	.2043085	.2148529
#3	.0188110	.1707217	.4846400	.0104348	.2115422	.2147255

Elem	Li6707
Units	ppm
Avg	F .0478309
Stddev	.0040138
%RSD	8.391595
#1	.0479590
#2	.0517792
#3	.0437547

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1823.040	22398.12	2304.976	1547.498	2140.892
Stddev	6.798	168.54	6.711	13.384	7.156
%RSD	.3728851	.7524688	.2911460	.8648639	.3342546
#1	1819.937	22446.94	2297.918	1551.657	2137.128
#2	1830.836	22210.56	2305.733	1532.528	2149.144
#3	1818.348	22536.86	2311.276	1558.308	2136.403

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165688BSD Acquired: 12/21/2024 2:24:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD688 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0126429	.0253356	.0073011	.0286148	.0494904	.1726309	.2092155
Stddev	.0039268	.0012263	.0016552	.0033584	.0017154	.0165491	.0054715
%RSD	31.05916	4.840362	22.67070	11.73645	3.466088	9.586403	2.615260
#1	.0106269	.0261360	.0059893	.0252836	.0489170	.1589803	.2043347
#2	.0171682	.0239238	.0091608	.0319997	.0481352	.1678753	.2151302
#3	.0101336	.0259470	.0067533	.0285611	.0514191	.1910372	.2081815

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053473	.0050769	5.172205	.0108569	.0508404	.0279209	.0880222
Stddev	.0000736	.0001526	.118397	.0010092	.0002816	.0015084	.0162210
%RSD	1.377096	3.005375	2.289095	9.295854	.5538795	5.402273	18.42827
#1	.0053732	.0049374	5.074783	.0114082	.0505179	.0291279	.0962292
#2	.0054046	.0050536	5.303979	.0114705	.0509655	.0262300	.0693378
#3	.0052643	.0052398	5.137853	.0096921	.0510378	.0284048	.0984997

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0154412	5.357950	.0398566	.0097819	6.400669	.0459461	.0708566
Stddev	.0010620	.152563	.0005502	.0010270	.494171	.0044896	.0116526
%RSD	6.877372	2.847415	1.380571	10.49935	7.720618	9.771356	16.44532
#1	.0148621	5.182380	.0400868	.0087510	6.003803	.0476572	.0734968
#2	.0147947	5.458259	.0392286	.0097897	6.244027	.0493285	.0809626
#3	.0166668	5.433211	.0402543	.0108050	6.954177	.0408526	.0581105

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.622046	.0045256	.0006066	.0091278	.0831473	.2420676	.0013448
Stddev	.031840	.0031029	.0024014	.0000852	.0019940	.0043630	.0001110
%RSD	.6888778	68.56408	395.8556	.9335860	2.398149	1.802382	8.253114
#1	4.586532	.0033251	.0004113	.0092253	.0848821	.2396805	.0013786
#2	4.648041	.0022023	-.001691	.0090674	.0809688	.2471033	.0012208
#3	4.631566	.0080494	.003100	.0090907	.0835911	.2394191	.0014349

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165688BSD Acquired: 12/21/2024 2:24:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD688 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1026562	.1073890	.0304983
Stddev	.0021262	.0018985	.0036862
%RSD	2.071148	1.767871	12.08645
#1	.1042501	.1055037	.0338980
#2	.1034765	.1093004	.0265805
#3	.1002421	.1073628	.0310165

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1819.549	22121.35	2279.091	1526.977	2148.892
Stddev	4.395	393.78	37.385	31.296	6.376
%RSD	.2415536	1.780087	1.640369	2.049560	.2967160
#1	1816.848	21776.65	2312.441	1501.047	2146.450
#2	1824.620	22036.89	2238.678	1518.142	2156.128
#3	1817.178	22550.50	2286.154	1561.740	2144.097

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-01DLX2 Acquired: 12/21/2024 2:28:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2068566	-.061193	.2631041	.0725340	.0254405	75.11222	.6465674
Stddev	.0041728	.002909	.0021363	.0033888	.0019843	.73043	.0080234
%RSD	2.017223	4.754039	.8119723	4.672067	7.799608	.9724535	1.240931
#1	.2054054	-.057846	.2608018	.0688517	.0234413	74.30939	.6382955
#2	.2036033	-.063115	.2634883	.0755219	.0274094	75.28976	.6470897
#3	.2115612	-.062617	.2650223	.0732282	.0254709	75.73752	.6543169

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053667	.0043553	50.77887	.1933037	.1659392	.3249724	161.1083
Stddev	.0001443	.0000195	.59181	.0024758	.0013569	.0083514	1.9537
%RSD	2.688809	.4473414	1.165463	1.280784	.8177115	2.569863	1.212673
#1	.0054565	.0043355	50.10880	.1904839	.1644703	.3192534	159.1793
#2	.0052002	.0043558	50.99775	.1951214	.1662013	.3211076	161.0598
#3	.0054434	.0043745	51.23005	.1943057	.1671459	.3345561	163.0859

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.923254	50.54700	.1788503	.0110728	2.166811	.2959210	.8770013
Stddev	.054400	.67519	.0016026	.0007973	.255107	.0036184	.0130500
%RSD	1.104951	1.335771	.8960703	7.200045	11.77339	1.222743	1.488024
#1	4.864488	49.83781	.1781697	.0107023	2.068084	.2929784	.8619490
#2	4.933422	50.62109	.1777003	.0105283	2.456527	.2948236	.8851390
#3	4.971853	51.18209	.1806809	.0119879	1.975822	.2999610	.8839159

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.85630	7.052021	.0499102	.0009545	4.052207	1.563172	.0011267
Stddev	.22122	.063547	.0026736	.0000939	.029145	.017739	.0018183
%RSD	1.060665	.9011106	5.356768	9.838656	.7192344	1.134796	161.3838
#1	20.60113	6.983261	.0468363	.0008733	4.022924	1.542747	-.000269
#2	20.97382	7.064216	.0511985	.0009328	4.052484	1.572044	.003183
#3	20.99395	7.108587	.0516956	.0010573	4.081212	1.574724	.000466

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-01DLX2 Acquired: 12/21/2024 2:28:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF9 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.035219	.1357587	.0534253
Stddev	.013583	.0009889	.0042629
%RSD	1.312059	.7284600	7.979221
#1	1.019917	.1346819	.0560230
#2	1.039889	.1359680	.0557474
#3	1.045849	.1366263	.0485054

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1983.715	24665.23	2572.139	1709.931	2102.679
Stddev	11.567	194.81	15.166	16.646	14.585
%RSD	.5830976	.7898019	.5896343	.9735088	.6936590
#1	1990.992	24885.58	2589.649	1729.129	2113.621
#2	1989.776	24594.21	2563.676	1699.520	2108.296
#3	1970.377	24515.90	2563.093	1701.142	2086.121

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-02DLX2 Acquired: 12/21/2024 2:32:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZG0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4359613	-.042739	.1717847	.0635331	.0218509	55.81602	.8508368
Stddev	.0028759	.001830	.0021626	.0038843	.0027588	.18792	.0029786
%RSD	.6596760	4.281238	1.258885	6.113796	12.62543	.3366762	.3500817
#1	.4363618	-.042961	.1738968	.0591432	.0243673	55.72385	.8477857
#2	.4329061	-.040808	.1695750	.0649314	.0222842	55.69199	.8537373
#3	.4386160	-.044447	.1718822	.0665246	.0189011	56.03223	.8509873

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0041918	.0017501	44.56141	.3045047	.1143114	.1465591	135.3764
Stddev	.0001363	.0000940	.14564	.0029115	.0011489	.0030189	.4308
%RSD	3.250814	5.371523	.3268351	.9561572	1.005073	2.059847	.3181874
#1	.0043147	.0017370	44.45644	.3072671	.1156273	.1443963	134.9464
#2	.0040453	.0016633	44.50010	.3047830	.1135071	.1500080	135.3750
#3	.0042154	.0018499	44.72768	.3014640	.1138000	.1452728	135.8079

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.58360	37.01727	.2995384	.0097618	1.360303	.2254203	.3451787
Stddev	.02778	.18981	.0026694	.0003830	.403858	.0043264	.0015446
%RSD	.2624968	.5127580	.8911889	3.923302	29.68882	1.919270	.4474674
#1	10.55539	36.79819	.3025677	.0093211	1.813885	.2220311	.3452926
#2	10.58449	37.12149	.2975306	.0099504	1.039711	.2239365	.3435803
#3	10.61093	37.13214	.2985167	.0100140	1.227313	.2302934	.3466631

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.05780	5.087779	.0287473	.0004071	.8187560	1.715679	-.001763
Stddev	.06940	.032464	.0012242	.0003840	.0084948	.002337	.000556
%RSD	.6276215	.6380866	4.258294	94.34019	1.037530	.1362212	31.54810
#1	11.13735	5.121869	.0300513	.0007674	.8285198	1.718265	-.001320
#2	11.02645	5.057230	.0276228	.0004506	.8130590	1.713719	-.001581
#3	11.00961	5.084239	.0285679	.0000031	.8146894	1.715051	-.002387

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-02DLX2 Acquired: 12/21/2024 2:32:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZG0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5677967	.0723720	.0736578
Stddev	.0032968	.0003405	.0018725
%RSD	.5806281	.4704996	2.542219
#1	.5713878	.0724986	.0757456
#2	.5649071	.0719864	.0731011
#3	.5670952	.0726312	.0721268

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2018.850	24865.96	2554.398	1717.217	2136.914
Stddev	11.456	227.03	3.862	21.501	16.984
%RSD	.5674398	.9130313	.1511734	1.252101	.7948015
#1	2008.084	24708.73	2549.951	1698.931	2121.931
#2	2030.889	24762.91	2556.346	1711.817	2155.364
#3	2017.578	25126.25	2556.898	1740.904	2133.445

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-03DLX2 Acquired: 12/21/2024 2:35:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZG1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2794641	-.055041	.4270614	.0635661	.0246445	52.97006	.4636511
Stddev	.0021318	.002502	.0005122	.0014416	.0012712	.08639	.0019080
%RSD	.7628146	4.545765	.1199339	2.267804	5.158270	.1630968	.4115189
#1	.2817425	-.057923	.4266579	.0631630	.0259510	52.87140	.4623632
#2	.2775179	-.053775	.4268887	.0623690	.0245707	53.00661	.4658431
#3	.2791318	-.053425	.4276376	.0651663	.0234117	53.03218	.4627471

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044548	.0063215	27.63534	.1116802	.0899463	.2649351	131.9415
Stddev	.0001311	.0000918	.03979	.0006192	.0005833	.0033872	.0932
%RSD	2.943499	1.452067	.1439888	.5544147	.6485068	1.278487	.0706207
#1	.0043104	.0062562	27.59130	.1112928	.0904792	.2685250	131.8771
#2	.0044874	.0064264	27.66870	.1123943	.0900366	.2644845	131.8990
#3	.0045665	.0062819	27.64603	.1113535	.0893231	.2617958	132.0483

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.061500	33.95033	.1051824	.0101721	1.209947	.2054240	1.148539
Stddev	.002863	.14986	.0010222	.0015403	.656797	.0101510	.016798
%RSD	.0935259	.4414222	.9718456	15.14281	54.28314	4.941476	1.462561
#1	3.063354	33.97203	.1053272	.0110011	1.032729	.1950050	1.129861
#2	3.058202	33.79079	.1061244	.0083948	.659941	.2152838	1.162408
#3	3.062943	34.08816	.1040955	.0111203	1.937169	.2059833	1.153347

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.78044	5.691309	.0304080	.0010390	2.690651	1.580747	-.000859
Stddev	.15221	.004496	.0024242	.0004605	.013082	.003941	.001077
%RSD	1.029816	.0789963	7.972322	44.31982	.4862130	.2493022	125.3274
#1	14.68779	5.692117	.0322854	.0009605	2.687103	1.576448	.000137
#2	14.95611	5.686464	.0276711	.0006228	2.679709	1.581602	-.000713
#3	14.69742	5.695346	.0312676	.0015338	2.705142	1.584189	-.002002

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-03DLX2 Acquired: 12/21/2024 2:35:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZG1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.392403	-.015221	.0372802
Stddev	.002185	.000221	.0024669
%RSD	.1569427	1.454552	6.617172
#1	1.390192	-.015030	.0378237
#2	1.394561	-.015464	.0345869
#3	1.392457	-.015170	.0394301

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1958.593	24177.18	2487.129	1663.212	2121.807
Stddev	4.273	40.41	7.253	4.349	3.184
%RSD	.2181877	.1671469	.2916335	.2614639	.1500401
#1	1962.331	24223.82	2495.082	1662.408	2125.189
#2	1959.514	24155.33	2485.425	1659.322	2121.364
#3	1953.934	24152.40	2480.879	1667.907	2118.868

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-04DLX2 Acquired: 12/21/2024 2:39:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZG2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2496220	-.061365	.8106048	.0735554	.0259614	51.30504	.9810335
Stddev	.0047754	.001992	.0020652	.0023500	.0013235	.15798	.0020216
%RSD	1.913055	3.245367	.2547763	3.194800	5.097984	.3079285	.2060730
#1	.2543258	-.059161	.8102171	.0728614	.0273556	51.15303	.9788728
#2	.2497621	-.063036	.8087609	.0761742	.0247223	51.29369	.9828791
#3	.2447781	-.061898	.8128364	.0716306	.0258063	51.46839	.9813486

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050263	.0088035	29.70368	.0868534	.0860029	.2765155	147.9514
Stddev	.0000409	.0000674	.05770	.0007553	.0002556	.0086451	.3624
%RSD	.8135530	.7655364	.1942402	.8695873	.2972013	3.126429	.2449227
#1	.0049802	.0087299	29.71415	.0872850	.0857184	.2822930	147.5332
#2	.0050582	.0088185	29.64146	.0859813	.0860770	.2665767	148.1736
#3	.0050406	.0088622	29.75542	.0872939	.0862132	.2806767	148.1473

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.529214	30.70391	.0895339	.0115803	.7577906	.1870403	1.909367
Stddev	.018938	.15097	.0007668	.0007277	.4297275	.0056248	.031175
%RSD	.5366066	.4917056	.8564107	6.284085	56.70795	3.007285	1.632749
#1	3.507726	30.53139	.0887211	.0107418	1.107318	.1935319	1.917742
#2	3.536444	30.76855	.0902444	.0120470	.888049	.1839760	1.874859
#3	3.543472	30.81181	.0896361	.0119521	.278005	.1836129	1.935499

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.86151	6.196017	.0315790	.0014792	2.447433	1.088710	.0037279
Stddev	.07900	.013387	.0011352	.0003729	.009249	.012450	.0008475
%RSD	.6142356	.2160588	3.594932	25.21046	.3779071	1.143569	22.73385
#1	12.79351	6.185672	.0318854	.0017681	2.437426	1.085066	.0039023
#2	12.94817	6.191242	.0303220	.0010582	2.449205	1.102576	.0028068
#3	12.84286	6.211137	.0325295	.0016113	2.455668	1.078489	.0044747

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-04DLX2 Acquired: 12/21/2024 2:39:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZG2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.328035	-.040569	.0376135
Stddev	.004065	.000096	.0010882
%RSD	.3061029	.2370247	2.893064
#1	1.331808	-.040493	.0383365
#2	1.323730	-.040677	.0381420
#3	1.328568	-.040537	.0363620

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2015.226	24894.73	2549.396	1719.592	2186.050
Stddev	7.647	97.50	17.738	5.324	7.795
%RSD	.3794786	.3916385	.6957655	.3095823	.3565963
#1	2019.651	24864.68	2547.605	1715.480	2189.191
#2	2019.630	25003.71	2532.622	1725.605	2191.786
#3	2006.395	24815.79	2567.962	1717.690	2177.175

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-05DLX2 Acquired: 12/21/2024 2:43:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZG3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2776004	-.060000	.5770020	.0624673	.0220650	53.35826	.5791038
Stddev	.0027285	.003736	.0008053	.0027038	.0007457	.08576	.0015512
%RSD	.9828845	6.226682	.1395636	4.328261	3.379476	.1607294	.2678653
#1	.2789595	-.057403	.5779230	.0593612	.0212055	53.45706	.5808228
#2	.2793823	-.064282	.5766527	.0642936	.0225392	53.31471	.5786801
#3	.2744592	-.058315	.5764304	.0637469	.0224504	53.30301	.5778084

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049522	.0074612	26.62797	.0926075	.0818886	.2187810	137.2840
Stddev	.0002147	.0000588	.10897	.0008533	.0004599	.0094532	.3157
%RSD	4.335635	.7886676	.4092180	.9214363	.5616387	4.320833	.2299808
#1	.0051877	.0074788	26.65042	.0928295	.0823360	.2083311	137.5164
#2	.0049016	.0073956	26.72396	.0933279	.0814171	.2212742	137.4111
#3	.0047673	.0075093	26.50953	.0916651	.0819128	.2267377	136.9245

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.271883	30.23104	.0895802	.0089780	1.516231	.1980490	1.558953
Stddev	.009356	.06994	.0011993	.0010908	.270917	.0074919	.014484
%RSD	.2859496	.2313502	1.338817	12.15005	17.86782	3.782843	.9290832
#1	3.280715	30.31086	.0893864	.0092497	1.829038	.1914515	1.542975
#2	3.272856	30.18049	.0884896	.0077770	1.363026	.2061937	1.562662
#3	3.262079	30.20178	.0908647	.0099073	1.356629	.1965017	1.571222

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.05065	6.284775	.0275111	.0007954	2.313387	1.126534	.0000620
Stddev	.09202	.030153	.0007495	.0002580	.008600	.015186	.0009112
%RSD	.6113695	.4797732	2.724487	32.43838	.3717646	1.348022	1470.041
#1	15.07576	6.279784	.0277353	.0005711	2.310421	1.143350	-.000939
#2	15.12750	6.257428	.0266751	.0007377	2.306663	1.113822	.000843
#3	14.94869	6.317111	.0281230	.0010774	2.323078	1.122429	.000282

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-05DLX2 Acquired: 12/21/2024 2:43:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZG3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.523488	-.029827	.0358276
Stddev	.005850	.000239	.0037416
%RSD	.3839790	.8006085	10.44341
#1	1.530137	-.029901	.0400570
#2	1.521194	-.030020	.0329487
#3	1.519133	-.029560	.0344771

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1990.758	24615.49	2512.938	1709.040	2147.519
Stddev	6.099	97.04	22.103	8.426	9.129
%RSD	.3063463	.3942427	.8795714	.4930319	.4251042
#1	1987.287	24672.72	2487.663	1715.325	2143.308
#2	1997.800	24670.30	2528.647	1712.331	2157.994
#3	1987.187	24503.44	2522.504	1699.465	2141.256

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-06DLX2 Acquired: 12/21/2024 2:47:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZG4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1572437	-.046154	.1627511	.0547583	.0200897	57.36261	.6112414
Stddev	.0036605	.007105	.0022346	.0044863	.0018344	.10321	.0045073
%RSD	2.327915	15.39434	1.373002	8.192992	9.131220	.1799330	.7373962
#1	.1543701	-.052345	.1611043	.0593981	.0219254	57.46994	.6163557
#2	.1559961	-.038396	.1652948	.0544339	.0182566	57.26407	.6095201
#3	.1613649	-.047719	.1618543	.0504430	.0200872	57.35383	.6078484

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049121	.0032652	38.64502	.0960269	.0923242	.1813473	128.6474
Stddev	.0001951	.0000683	.01917	.0003851	.0001393	.0063144	.6520
%RSD	3.971096	2.093305	.0496021	.4010411	.1509195	3.481950	.5068323
#1	.0048874	.0033268	38.66619	.0957337	.0924815	.1756125	129.3358
#2	.0051183	.0031916	38.62884	.0958840	.0922750	.1803153	128.0392
#3	.0047306	.0032771	38.64001	.0964630	.0922161	.1881142	128.5672

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.529550	34.50855	.1027325	.0081019	.8623336	.1609518	.5603793
Stddev	.015134	.11193	.0005453	.0005687	.2441972	.0092490	.0164549
%RSD	.4287666	.3243506	.5307543	7.019188	28.31819	5.746423	2.936379
#1	3.536120	34.63772	.1021202	.0075095	.8918711	.1563535	.5413852
#2	3.512241	34.44018	.1031655	.0086435	.6047111	.1715987	.5694531
#3	3.540288	34.44775	.1029118	.0081527	1.090419	.1549031	.5702997

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.66754	5.561150	.0262761	.0000890	.9485039	1.367890	-.001248
Stddev	.08404	.010069	.0031880	.0008674	.0114865	.008650	.000918
%RSD	.5042088	.1810550	12.13255	974.6157	1.211015	.6323928	73.53420
#1	16.69675	5.550591	.0285198	-.000300	.9508384	1.375874	-.002280
#2	16.73307	5.562216	.0276815	-.000516	.9360295	1.369095	-.000523
#3	16.57279	5.570644	.0226269	.001083	.9586439	1.358700	-.000941

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-06DLX2 Acquired: 12/21/2024 2:47:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZG4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6847309	.0140619	.0390457
Stddev	.0072823	.0001432	.0032385
%RSD	1.063531	1.018667	8.294209
#1	.6925404	.0139223	.0388450
#2	.6835263	.0142085	.0359122
#3	.6781260	.0140550	.0423799

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1999.872	24713.24	2549.863	1708.064	2138.078
Stddev	5.340	52.98	16.820	3.061	3.012
%RSD	.2669934	.2143902	.6596372	.1792026	.1408517
#1	1999.117	24769.90	2530.552	1709.670	2137.595
#2	1994.951	24704.88	2557.727	1709.987	2135.338
#3	2005.549	24664.93	2561.311	1704.534	2141.302

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-07DLX2 Acquired: 12/21/2024 2:51:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZG5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0995405	-.040584	.1331414	.0479415	.0155643	57.87179	.7180719
Stddev	.0018798	.004368	.0006597	.0015431	.0020005	.41494	.0033490
%RSD	1.888490	10.76353	.4954853	3.218770	12.85284	.7170014	.4663939
#1	.0973770	-.045624	.1335358	.0497140	.0151057	57.56038	.7151954
#2	.1007748	-.038237	.1335087	.0468974	.0177542	57.71215	.7172718
#3	.1004696	-.037891	.1323798	.0472131	.0138330	58.34285	.7217486

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052319	.0019211	30.39222	.1416181	.0894192	.1503092	106.7920
Stddev	.0000938	.0001886	.16739	.0004157	.0006619	.0096816	.7380
%RSD	1.792794	9.816505	.5507604	.2935302	.7401824	6.441150	.6910826
#1	.0051957	.0017918	30.24626	.1415263	.0886554	.1402775	106.1252
#2	.0051615	.0018341	30.35546	.1412559	.0897782	.1510522	106.6659
#3	.0053384	.0021375	30.57493	.1420720	.0898241	.1595979	107.5850

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.472713	34.17399	.1582919	.0066488	1.697112	.1449844	.4549513
Stddev	.031454	.24929	.0018834	.0005411	.843177	.0095678	.0084544
%RSD	.9057414	.7294635	1.189840	8.138679	49.68307	6.599173	1.858308
#1	3.441617	34.03214	.1561667	.0072726	2.246942	.1555993	.4473201
#2	3.472008	34.02800	.1589545	.0063062	2.118051	.1370245	.4640396
#3	3.504513	34.46183	.1597544	.0063675	.726343	.1423292	.4534944

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.06335	5.042173	.0244268	-.000522	.9979344	1.127062	-.004178
Stddev	.13675	.067924	.0014248	.000768	.0104905	.012132	.000012
%RSD	.8513404	1.347117	5.832825	147.2354	1.051218	1.076400	.2984757
#1	16.04384	4.963751	.0229495	-.000036	.9859738	1.125813	-.004167
#2	15.93740	5.080321	.0257924	-.001407	1.005576	1.115603	-.004176
#3	16.20881	5.082447	.0245386	-.000122	1.002254	1.139770	-.004191

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-07DLX2 Acquired: 12/21/2024 2:51:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZG5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7992870	.0685241	.0648782
Stddev	.0063057	.0005443	.0018360
%RSD	.7889224	.7943246	2.829914
#1	.7932156	.0679773	.0639166
#2	.7988418	.0685291	.0637227
#3	.8058035	.0690659	.0669953

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2047.461	25193.00	2558.905	1748.689	2158.881
Stddev	29.630	24.86	22.175	12.970	28.865
%RSD	1.447134	.0986827	.8665783	.7417072	1.337030
#1	2081.247	25172.02	2569.980	1762.480	2192.057
#2	2025.903	25186.52	2573.361	1736.736	2139.523
#3	2035.232	25220.46	2533.374	1746.853	2145.062

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-08DLX2 Acquired: 12/21/2024 2:55:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZG6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1049958	-.032533	.1027017	.0432332	.0124001	48.89830	.6223443
Stddev	.0017371	.004019	.0004094	.0042138	.0017477	.28301	.0009366
%RSD	1.654404	12.35241	.3986031	9.746672	14.09392	.5787763	.1505002
#1	.1048310	-.036430	.1026009	.0419635	.0143893	48.57150	.6212889
#2	.1068094	-.032764	.1031521	.0479358	.0111108	49.06246	.6226674
#3	.1033470	-.028403	.1023522	.0398002	.0117003	49.06092	.6230767

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0045957	.0013912	26.65285	.1246122	.0790662	.1270919	93.34049
Stddev	.0001962	.0000920	.21710	.0006999	.0005650	.0087592	.59482
%RSD	4.269610	6.613046	.8145608	.5616232	.7145560	6.892019	.6372602
#1	.0043759	.0014849	26.49147	.1240744	.0797118	.1246333	92.70620
#2	.0047530	.0013010	26.89968	.1254035	.0788250	.1368176	93.88582
#3	.0046583	.0013876	26.56740	.1243587	.0786619	.1198247	93.42945

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.853028	29.32308	.2831841	.0059865	1.445803	.1448609	.3568620
Stddev	.016371	.10147	.0009017	.0011420	.787892	.0082943	.0063488
%RSD	.5737982	.3460519	.3184160	19.07534	54.49510	5.725719	1.779067
#1	2.834886	29.20726	.2830383	.0068927	1.944712	.1525287	.3500377
#2	2.866697	29.39636	.2841498	.0063630	1.855205	.1360572	.3579548
#3	2.857502	29.36561	.2823641	.0047039	.537493	.1459966	.3625934

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.74080	4.840611	.0194723	.0002254	.8334270	1.270253	-.004945
Stddev	.15859	.006173	.0035422	.0003576	.0009431	.004808	.002132
%RSD	1.154130	.1275295	18.19119	158.6303	.1131623	.3784725	43.11313
#1	13.69974	4.845802	.0161267	-.000156	.8323867	1.266549	-.007068
#2	13.91587	4.842247	.0231829	.000552	.8342261	1.275686	-.002804
#3	13.60677	4.833785	.0191074	.000280	.8336682	1.268525	-.004963

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-08DLX2 Acquired: 12/21/2024 2:55:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZG6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9425019	.0584830	.0529905
Stddev	.0039617	.0003609	.0024103
%RSD	.4203360	.6170787	4.548609
#1	.9379972	.0581480	.0528717
#2	.9454438	.0584359	.0506418
#3	.9440647	.0588652	.0554581

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1994.141	24502.67	2511.721	1694.014	2138.526
Stddev	3.940	62.41	10.140	4.843	1.546
%RSD	.1975773	.2546914	.4036885	.2858817	.0723067
#1	1998.690	24558.94	2521.815	1699.606	2139.452
#2	1991.841	24435.55	2501.537	1691.222	2136.741
#3	1991.891	24513.51	2511.809	1691.215	2139.386

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-09DLX2 Acquired: 12/21/2024 2:59:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZG7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0943768	-.037084	.1206063	.0427775	.0141052	53.17870	.8465134
Stddev	.0008731	.001558	.0015132	.0007749	.0020555	.33843	.0063681
%RSD	.9251710	4.200276	1.254671	1.811494	14.57262	.6363967	.7522757
#1	.0933705	-.035993	.1219578	.0421356	.0161624	52.81475	.8396666
#2	.0949338	-.038868	.1208895	.0436383	.0120514	53.23745	.8476144
#3	.0948260	-.036391	.1189714	.0425586	.0141018	53.48391	.8522592

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049789	.0018215	37.68637	.1467370	.0831271	.1176791	98.23667
Stddev	.0001261	.0000414	.13072	.0007004	.0002954	.0099554	.59455
%RSD	2.532586	2.275746	.3468694	.4773124	.3553833	8.459746	.6052196
#1	.0051211	.0017742	37.54962	.1463444	.0833651	.1175431	97.74096
#2	.0048806	.0018392	37.69939	.1463209	.0832198	.1277018	98.07319
#3	.0049350	.0018512	37.81009	.1475456	.0827965	.1077925	98.89585

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.751010	35.27573	.1730391	.0064152	1.241715	.1568727	.4885988
Stddev	.014394	.03914	.0007752	.0010777	.328350	.0031376	.0150050
%RSD	.5232280	.1109686	.4479993	16.79922	26.44328	2.000104	3.071026
#1	2.735797	35.23633	.1739151	.0071667	.898338	.1533011	.4715318
#2	2.752819	35.27624	.1727604	.0051805	1.274182	.1581321	.4997182
#3	2.764415	35.31461	.1724418	.0068986	1.552626	.1591850	.4945466

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	22.08960	8.316482	.0317003	.0008008	2.002259	1.432740	-.003046
Stddev	.21085	.019283	.0039079	.0002975	.009597	.004073	.001248
%RSD	.9545090	.2318648	12.32778	37.14534	.4793024	.2842798	40.98066
#1	21.89762	8.334433	.0315988	.0004607	2.005814	1.435899	-.003291
#2	22.05591	8.296098	.0278441	.0010125	1.991392	1.434177	-.001694
#3	22.31526	8.318914	.0356580	.0009293	2.009572	1.428143	-.004154

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-09DLX2 Acquired: 12/21/2024 2:59:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZG7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.465714	.1276175	.0644113
Stddev	.013783	.0001591	.0020359
%RSD	.9403386	.1246527	3.160696
#1	1.454412	.1277150	.0620605
#2	1.461663	.1274339	.0655962
#3	1.481069	.1277035	.0655772

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1998.611	24579.45	2525.379	1697.480	2130.784
Stddev	1.222	117.27	2.828	10.382	3.558
%RSD	.0611181	.4771237	.1120018	.6115991	.1669772
#1	1997.550	24667.02	2524.161	1709.446	2127.403
#2	1998.337	24625.13	2523.364	1692.121	2134.496
#3	1999.947	24446.21	2528.613	1690.872	2130.453

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-10DLX2 Acquired: 12/21/2024 3:02:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZG8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0982174	-.037017	.1228388	.0401666	.0117797	52.07307	.7261411
Stddev	.0018699	.001583	.0017962	.0034874	.0012280	.17973	.0024224
%RSD	1.903866	4.275914	1.462260	8.682244	10.42455	.3451576	.3336008
#1	.0960883	-.035607	.1210404	.0373442	.0118891	52.04463	.7259734
#2	.0989713	-.038729	.1246328	.0390904	.0129494	51.90925	.7238069
#3	.0995928	-.036715	.1228432	.0440652	.0105007	52.26533	.7286430

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049431	.0021211	27.13138	.1442965	.0831779	.1164858	96.81610
Stddev	.0000759	.0001145	.01918	.0000222	.0004961	.0091263	.35902
%RSD	1.535135	5.400064	.0707029	.0154142	.5964401	7.834704	.3708295
#1	.0049828	.0020296	27.11564	.1442854	.0831262	.1249999	96.56547
#2	.0048556	.0020841	27.12575	.1442821	.0827097	.1068508	96.65543
#3	.0049908	.0022496	27.15274	.1443221	.0836978	.1176067	97.22740

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.643779	33.61104	.1780818	.0058506	.8138043	.1514134	.4525508
Stddev	.009175	.27439	.0005468	.0013052	1.516641	.0106162	.0131500
%RSD	.3470362	.8163688	.3070292	22.30911	186.3643	7.011423	2.905760
#1	2.638131	33.39286	.1784947	.0055067	2.204971	.1624346	.4481762
#2	2.638841	33.52116	.1782890	.0072933	1.039464	.1412548	.4421456
#3	2.654366	33.91910	.1774617	.0047517	-.803023	.1505507	.4673305

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.08924	6.535862	.0204989	.0003151	.8322018	.8635676	-.003814
Stddev	.19062	.011898	.0010156	.0003135	.0049208	.0037426	.001877
%RSD	1.053756	.1820387	4.954579	99.48366	.5912969	.4333859	49.20544
#1	18.21030	6.528724	.0208530	.0000938	.8319657	.8604478	-.005743
#2	17.86951	6.529266	.0193537	.0006738	.8372363	.8625376	-.003706
#3	18.18790	6.549597	.0212902	.0001776	.8274032	.8677173	-.001994

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-10DLX2 Acquired: 12/21/2024 3:02:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZG8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.056561	.0746114	.0596566
Stddev	.009888	.0001430	.0046242
%RSD	.9358532	.1916740	7.751358
#1	1.055708	.0747597	.0617904
#2	1.047128	.0744743	.0543508
#3	1.066848	.0746002	.0628287

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2003.555	24840.78	2538.009	1717.164	2137.725
Stddev	3.635	36.75	5.521	4.910	4.942
%RSD	.1814158	.1479448	.2175427	.2859594	.2311767
#1	2007.479	24814.84	2539.627	1711.761	2142.950
#2	2000.303	24882.84	2542.540	1721.355	2133.126
#3	2002.883	24824.67	2531.859	1718.375	2137.100

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-11DLX2 Acquired: 12/21/2024 3:06:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0718005	-.033550	.0573334	.0356950	.0114085	33.05860	.3874384
Stddev	.0017759	.000715	.0015650	.0045657	.0018752	.06373	.0007879
%RSD	2.473344	2.130575	2.729562	12.79087	16.43687	.1927732	.2033590
#1	.0702055	-.034098	.0591329	.0374448	.0095581	33.09777	.3869596
#2	.0737141	-.032742	.0562902	.0391269	.0133076	32.98507	.3870079
#3	.0714818	-.033810	.0565773	.0305132	.0113596	33.09296	.3883478

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032850	.0009744	28.38196	.0733060	.0644037	.1148761	88.48946
Stddev	.0002001	.0000492	.04489	.0011437	.0003346	.0042809	.23553
%RSD	6.091675	5.047764	.1581572	1.560179	.5195916	3.726547	.2661689
#1	.0032818	.0010026	28.36005	.0740624	.0642432	.1159356	88.28199
#2	.0030866	.0009176	28.43360	.0719902	.0647883	.1101650	88.74548
#3	.0034868	.0010030	28.35224	.0738653	.0641795	.1185279	88.44090

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.999482	22.37665	.0763365	.0055438	1.265506	.1939099	.2417450
Stddev	.005161	.09783	.0003204	.0006614	.538002	.0074160	.0042227
%RSD	.2580975	.4371886	.4197657	11.93057	42.51278	3.824454	1.746763
#1	1.994675	22.36042	.0759674	.0061599	1.623630	.1983494	.2440939
#2	2.004935	22.48158	.0765434	.0048449	.646835	.1853486	.2368701
#3	1.998836	22.28796	.0764987	.0056265	1.526053	.1980317	.2442709

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.449466	2.840702	.0154875	-.000005	.4368845	.7982913	-.006293
Stddev	.023415	.009451	.0010597	.000140	.0021565	.0068962	.000510
%RSD	.6787867	.3326819	6.842627	3036.257	.4936036	.8638727	8.105414
#1	3.475725	2.830273	.0142744	-.000034	.4355338	.8055278	-.005862
#2	3.441914	2.843135	.0159546	.000148	.4357481	.7917950	-.006856
#3	3.430760	2.848698	.0162335	-.000127	.4393715	.7975511	-.006162

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-11DLX2 Acquired: 12/21/2024 3:06:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM9 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8488560	.0070865	.0266484
Stddev	.0050102	.0003594	.0036311
%RSD	.5902325	5.071530	13.62606
#1	.8435537	.0073943	.0241719
#2	.8535113	.0071736	.0308167
#3	.8495030	.0066915	.0249565

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1957.482	24155.77	2472.379	1672.313	2176.281
Stddev	1.421	51.19	9.202	7.671	1.093
%RSD	.0725950	.2119237	.3721932	.4586799	.0502379
#1	1957.292	24213.32	2462.324	1679.239	2177.472
#2	1956.166	24115.30	2480.383	1673.631	2175.323
#3	1958.989	24138.69	2474.428	1664.069	2176.048

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-12DLX2 Acquired: 12/21/2024 3:10:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1185216	-.036091	.1392613	.0421187	.0138591	39.18926	.4908832
Stddev	.0025087	.001985	.0006146	.0003519	.0024218	.09519	.0013032
%RSD	2.116641	5.499757	.4413088	.8353865	17.47436	.2429105	.2654706
#1	.1180423	-.038371	.1392098	.0417761	.0128646	39.13167	.4899045
#2	.1162872	-.034748	.1399001	.0424792	.0166198	39.13697	.4903827
#3	.1212354	-.035154	.1386742	.0421008	.0120929	39.29914	.4923624

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038278	.0016347	29.94039	.0782337	.0725863	.1680349	96.33931
Stddev	.0000251	.0001224	.04699	.0005053	.0004188	.0101346	.42228
%RSD	.6552965	7.486844	.1569604	.6458502	.5769209	6.031253	.4383268
#1	.0038259	.0017759	29.89919	.0779167	.0721036	.1753676	96.19789
#2	.0038037	.0015684	29.93040	.0779679	.0728522	.1722671	96.00589
#3	.0038538	.0015598	29.99158	.0788164	.0728031	.1564702	96.81415

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.355048	26.01146	.0990784	.0056491	2.609679	.1579562	1.024812
Stddev	.002628	.31351	.0002470	.0004549	.432486	.0015489	.008788
%RSD	.1115824	1.205287	.2492834	8.052080	16.57239	.9805962	.8574978
#1	2.354553	25.97178	.0989701	.0055235	3.038227	.1591243	1.021047
#2	2.352703	25.71968	.0989040	.0061535	2.173359	.1561992	1.018534
#3	2.357888	26.34293	.0993610	.0052701	2.617452	.1585452	1.034855

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.505891	3.564096	.0148018	.0004511	.4153174	1.131626	-.004813
Stddev	.246772	.003276	.0036810	.0001903	.0072711	.006310	.001045
%RSD	5.476658	.0919201	24.86886	42.17190	1.750724	.5575679	21.70647
#1	4.719868	3.565173	.0185973	.0002404	.4132710	1.134027	-.003623
#2	4.561865	3.560417	.0112470	.0005027	.4092888	1.124469	-.005241
#3	4.235939	3.566699	.0145610	.0006103	.4233924	1.136383	-.005576

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-12DLX2 Acquired: 12/21/2024 3:10:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9949351	.0487212	.0294272
Stddev	.0032498	.0007467	.0034066
%RSD	.3266317	1.532648	11.57630
#1	.9953382	.0495825	.0260568
#2	.9915026	.0482557	.0328688
#3	.9979645	.0483254	.0293561

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1960.251	24254.10	2468.823	1677.665	2158.643
Stddev	6.381	24.93	8.271	4.434	4.728
%RSD	.3255149	.1027781	.3349996	.2643225	.2190423
#1	1957.145	24229.50	2465.409	1680.034	2155.169
#2	1967.590	24279.34	2478.254	1680.411	2164.028
#3	1956.017	24253.46	2462.806	1672.549	2156.733

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-13DLX2 Acquired: 12/21/2024 3:14:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1364066	-.032323	.0902245	.0408021	.0129957	47.55570	.6186051
Stddev	.0018746	.001122	.0006082	.0024555	.0030113	.05915	.0015320
%RSD	1.374293	3.471735	.6741085	6.018104	23.17130	.1243813	.2476504
#1	.1342499	-.033570	.0902425	.0387102	.0148213	47.50651	.6173596
#2	.1376453	-.032004	.0896075	.0401905	.0095201	47.62133	.6203157
#3	.1373246	-.031394	.0908235	.0435056	.0146457	47.53926	.6181400

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0041785	.0014081	59.62439	.0930380	.0829414	.1759790	102.9808
Stddev	.0001365	.0000520	.19512	.0010034	.0009496	.0054059	.1740
%RSD	3.267664	3.696616	.3272538	1.078472	1.144951	3.071889	.1689840
#1	.0043145	.0014669	59.48870	.0924302	.0837407	.1713791	102.8369
#2	.0041794	.0013678	59.84801	.0924877	.0831919	.1746245	103.1742
#3	.0040415	.0013896	59.53647	.0941962	.0818916	.1819332	102.9312

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.948379	30.39374	.1010468	.0063802	9.354016	.1885343	.3282878
Stddev	.006293	.03229	.0019975	.0004290	.521469	.0030363	.0035288
%RSD	.2134314	.1062343	1.976854	6.724600	5.574817	1.610454	1.074911
#1	2.941787	30.39225	.1018172	.0067932	8.981761	.1909977	.3281915
#2	2.954322	30.42674	.1025444	.0059367	9.950021	.1894631	.3248082
#3	2.949028	30.36222	.0987787	.0064107	9.130265	.1851421	.3318639

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.484132	3.380105	.0250663	.0006572	4.333867	1.053356	-.004022
Stddev	.111396	.043236	.0015554	.0003218	.053863	.003328	.000830
%RSD	1.488431	1.279134	6.205134	48.96082	1.242831	.3159383	20.63388
#1	7.369237	3.400821	.0233167	.0006158	4.346967	1.055611	-.003199
#2	7.491494	3.409085	.0262924	.0009978	4.379971	1.049534	-.004008
#3	7.591665	3.330408	.0255897	.0003582	4.274662	1.054923	-.004859

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-13DLX2 Acquired: 12/21/2024 3:14:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8864500	.1023860	.0408702
Stddev	.0046892	.0000926	.0047476
%RSD	.5289836	.0904797	11.61632
#1	.8859816	.1023532	.0389410
#2	.8913558	.1024906	.0373909
#3	.8820126	.1023142	.0462787

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1996.485	24261.63	2504.181	1677.420	2160.944
Stddev	17.794	118.64	14.477	9.356	20.222
%RSD	.8912623	.4889863	.5781321	.5577322	.9357999
#1	1984.589	24369.89	2487.672	1686.055	2148.478
#2	1987.925	24280.18	2514.714	1678.725	2150.077
#3	2016.941	24134.81	2510.157	1667.481	2184.276

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-14DLX2 Acquired: 12/21/2024 3:18:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0732379	-.055353	.0578691	.0642162	.0227876	60.43591	.4580341
Stddev	.0037963	.002268	.0015658	.0019863	.0006304	.15328	.0012042
%RSD	5.183450	4.096622	2.705790	3.093122	2.766427	.2536166	.2629024
#1	.0772255	-.054829	.0574731	.0623375	.0221838	60.29153	.4579543
#2	.0728205	-.053393	.0595950	.0640162	.0227374	60.59675	.4592762
#3	.0696675	-.057837	.0565394	.0662949	.0234416	60.41945	.4568718

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048530	.0012852	23.75137	.1360633	.1006216	.1769544	136.3121
Stddev	.0001644	.0001133	.08681	.0009768	.0007663	.0028847	.3755
%RSD	3.386801	8.819133	.3654773	.7179252	.7615981	1.630179	.2754634
#1	.0048695	.0013779	23.70581	.1359018	.1000981	.1738976	135.8942
#2	.0050084	.0011588	23.85147	.1351772	.1015012	.1796288	136.4210
#3	.0046810	.0013188	23.69683	.1371108	.1002655	.1773366	136.6211

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.612263	39.67764	.1178845	.0065481	1.215416	.2425477	.2360799
Stddev	.008848	.12965	.0005151	.0005346	.262812	.0084263	.0029410
%RSD	.3387124	.3267500	.4369822	8.163503	21.62323	3.474062	1.245768
#1	2.605225	39.53336	.1183059	.0062233	.913719	.2421691	.2358824
#2	2.622196	39.71520	.1173103	.0071651	1.394633	.2511568	.2332426
#3	2.609368	39.78436	.1180375	.0062560	1.337894	.2343171	.2391146

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.48758	4.217397	.0260280	.0000778	.5124361	.7891285	-.001349
Stddev	.05280	.006480	.0030579	.0005306	.0054989	.0034361	.000756
%RSD	.3019488	.1536553	11.74855	681.8357	1.073091	.4354312	56.04814
#1	17.46192	4.218055	.0295589	-.000108	.5066338	.7893150	-.001336
#2	17.54831	4.223523	.0242434	-.000335	.5131040	.7924675	-.002112
#3	17.45250	4.210613	.0242817	.000676	.5175706	.7856029	-.000600

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-14DLX2 Acquired: 12/21/2024 3:18:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.045681	-.042590	.0389849
Stddev	.009788	.000137	.0024976
%RSD	.9360871	.3207458	6.406635
#1	1.035660	-.042484	.0378767
#2	1.055220	-.042542	.0372332
#3	1.046162	-.042744	.0418449

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1993.011	24476.91	2516.207	1693.575	2149.469
Stddev	3.277	99.25	9.066	7.376	2.467
%RSD	.1644004	.4054737	.3603090	.4355437	.1147814
#1	1989.295	24382.08	2513.535	1685.503	2149.569
#2	1995.484	24580.06	2508.776	1699.965	2146.953
#3	1994.254	24468.60	2526.308	1695.258	2151.885

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-15DLX2 Acquired: 12/21/2024 3:22:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0533380	-.030147	.0503254	.0312732	.0112843	25.63287	.2611797
Stddev	.0021244	.002385	.0019477	.0040299	.0009355	.04430	.0011059
%RSD	3.982802	7.911408	3.870109	12.88620	8.290390	.1728421	.4234262
#1	.0533713	-.030837	.0514854	.0269730	.0116820	25.65751	.2622838
#2	.0511971	-.032111	.0514140	.0318833	.0119552	25.65938	.2611835
#3	.0554454	-.027493	.0480768	.0349632	.0102156	25.58172	.2600720

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026639	.0009470	19.33040	.0571065	.0497619	.0911531	74.42840
Stddev	.0001693	.0000791	.03678	.0003161	.0004039	.0093202	.30636
%RSD	6.355681	8.357462	.1902896	.5534781	.8115793	10.22481	.4116206
#1	.0027432	.0008834	19.30189	.0567968	.0492957	.0835922	74.64781
#2	.0027789	.0009220	19.31740	.0574286	.0499855	.1015662	74.55902
#3	.0024694	.0010356	19.37192	.0570943	.0500045	.0883011	74.07838

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.644226	17.29348	.0582854	.0042637	.8178781	.1687785	.2658950
Stddev	.005516	.19415	.0008236	.0005081	.5955343	.0128118	.0010003
%RSD	.3354520	1.122670	1.413074	11.91777	72.81455	7.590892	.3762048
#1	1.648029	17.44143	.0591351	.0042623	.9475845	.1719916	.2649883
#2	1.646749	17.36537	.0582304	.0047725	1.337870	.1796780	.2669681
#3	1.637901	17.07364	.0574906	.0037563	.168180	.1546660	.2657288

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.016875	2.318729	.0134088	.0001479	.1743669	1.007445	-.006226
Stddev	.069446	.004377	.0003682	.0001612	.0085175	.002782	.000477
%RSD	3.443254	.1887822	2.746217	109.0100	4.884790	.2761754	7.663094
#1	1.951035	2.314815	.0130701	-.000028	.1834703	1.007336	-.005921
#2	2.010154	2.317916	.0133555	.000288	.1730391	1.010280	-.005982
#3	2.089438	2.323455	.0138008	.000184	.1665914	1.004718	-.006776

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-15DLX2 Acquired: 12/21/2024 3:22:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8697714	-.010182	.0210810
Stddev	.0083071	.000322	.0051602
%RSD	.9550962	3.166174	24.47807
#1	.8753338	-.010415	.0270033
#2	.8737581	-.009814	.0186870
#3	.8602224	-.010317	.0175525

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1923.314	23826.26	2429.513	1643.324	2168.792
Stddev	5.280	81.62	7.312	6.918	4.792
%RSD	.2745036	.3425483	.3009493	.4209779	.2209488
#1	1918.281	23788.92	2421.101	1639.747	2163.872
#2	1928.809	23919.87	2433.098	1651.299	2173.445
#3	1922.850	23769.99	2434.340	1638.928	2169.058

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-16DLX2 Acquired: 12/21/2024 3:26:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1459240	-.049966	.1349525	.0623754	.0204129	69.67280	.6974644
Stddev	.0102574	.001860	.0035723	.0027104	.0039648	.44153	.0039112
%RSD	7.029300	3.722262	2.647107	4.345287	19.42302	.6337248	.5607770
#1	.1574691	-.049678	.1357384	.0641454	.0234070	69.66310	.6966327
#2	.1424424	-.051953	.1310526	.0637257	.0159165	69.23619	.6940360
#3	.1378606	-.048267	.1380664	.0592551	.0219153	70.11910	.7017246

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052539	.0029407	60.87100	.1453908	.1270941	.4709101	145.9377
Stddev	.0000292	.0001223	.43433	.0006500	.0008489	.0069715	1.1264
%RSD	.5563996	4.160075	.7135179	.4470879	.6679040	1.480422	.7718395
#1	.0052332	.0029238	60.83331	.1458439	.1263631	.4760625	146.1536
#2	.0052873	.0028276	60.45675	.1446460	.1268942	.4629775	144.7190
#3	.0052411	.0030706	61.32295	.1456825	.1280251	.4736904	146.9406

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.872294	47.50487	.1601366	.0078959	1.803372	.3054618	.4642144
Stddev	.028505	.16914	.0004394	.0012373	.331859	.0051546	.0057158
%RSD	.5850457	.3560481	.2743622	15.67007	18.40215	1.687473	1.231283
#1	4.874395	47.41382	.1604692	.0091342	2.112735	.2995761	.4620533
#2	4.842797	47.40076	.1603019	.0066596	1.844525	.3076369	.4706957
#3	4.899691	47.70003	.1596385	.0078939	1.452856	.3091723	.4598943

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.37554	4.235043	.0282406	.0003638	1.134427	.9775338	.0003727
Stddev	.18523	.012644	.0004830	.0004622	.002329	.0016450	.0013552
%RSD	1.785268	.2985570	1.710241	127.0414	.2053142	.1682791	363.6562
#1	10.45787	4.241069	.0287899	-.000169	1.133810	.9792667	.0008606
#2	10.16341	4.220513	.0280495	.000657	1.132469	.9759937	-.001159
#3	10.50532	4.243546	.0278824	.000604	1.137003	.9773410	.001416

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-16DLX2 Acquired: 12/21/2024 3:26:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4657003	.0249027	.0548036
Stddev	.0045343	.0006837	.0022708
%RSD	.9736496	2.745559	4.143510
#1	.4668284	.0243955	.0573074
#2	.4607084	.0256803	.0528773
#3	.4695640	.0246323	.0542262

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1993.054	24520.09	2540.296	1699.901	2114.969
Stddev	3.857	65.31	15.248	9.015	1.132
%RSD	.1935012	.2663459	.6002646	.5303313	.0535396
#1	1996.944	24508.06	2543.545	1702.496	2116.277
#2	1989.231	24590.58	2553.658	1707.334	2114.308
#3	1992.988	24461.64	2523.684	1689.873	2114.323

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-17DLX2 Acquired: 12/21/2024 3:30:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1684131	-.045973	.1768703	.0517140	.0179047	68.37787	.9246460
Stddev	.0007007	.002703	.0022704	.0036619	.0001425	.17136	.0014553
%RSD	.4160657	5.879326	1.283682	7.081124	.7958158	.2506058	.1573869
#1	.1687472	-.048241	.1758864	.0559200	.0180577	68.20770	.9261436
#2	.1688843	-.042982	.1794668	.0492341	.0178806	68.37551	.9232371
#3	.1676079	-.046695	.1752578	.0499879	.0177758	68.55039	.9245574

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059050	.0032092	74.83779	.1237962	.1128072	.3658357	133.4883
Stddev	.0000749	.0000284	.19442	.0014293	.0003495	.0080133	.4097
%RSD	1.269158	.8862910	.2597928	1.154590	.3098558	2.190405	.3069293
#1	.0058234	.0032155	74.65420	.1230956	.1126135	.3614020	133.1541
#2	.0059207	.0032340	74.81769	.1254407	.1125973	.3610190	133.3654
#3	.0059708	.0031782	75.04148	.1228524	.1132107	.3750860	133.9454

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.941043	40.09113	.1475730	.0085518	1.037111	.2254814	.6123874
Stddev	.016012	.07596	.0011883	.0013611	.661141	.0031642	.0140477
%RSD	.4062779	.1894604	.8052434	15.91639	63.74830	1.403299	2.293920
#1	3.931295	40.16478	.1489364	.0083047	1.074854	.2254641	.5965738
#2	3.932311	40.01306	.1470259	.0100195	1.678572	.2286542	.6171662
#3	3.959522	40.09556	.1467568	.0073311	.357908	.2223259	.6234222

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.00342	5.251735	.0291992	.0009057	1.183084	1.050081	.0002757
Stddev	.12718	.011385	.0022349	.0007144	.003444	.002811	.0009850
%RSD	.9780301	.2167887	7.653837	78.87726	.2911278	.2677008	357.3160
#1	12.98046	5.238926	.0278831	.0000959	1.179133	1.046835	.0013984
#2	13.14052	5.255573	.0317796	.0014468	1.185454	1.051693	-.000443
#3	12.88929	5.260704	.0279349	.0011744	1.184664	1.051715	-.000128

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-17DLX2 Acquired: 12/21/2024 3:30:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8418040	.1188539	.0543062
Stddev	.0028035	.0004924	.0002817
%RSD	.3330388	.4142739	.5187563
#1	.8418631	.1183714	.0546135
#2	.8389714	.1188347	.0540602
#3	.8445776	.1193556	.0542448

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2031.206	24898.06	2580.651	1725.670	2115.188
Stddev	3.705	76.94	4.048	7.642	5.866
%RSD	.1823937	.3090162	.1568552	.4428318	.2773062
#1	2035.469	24952.32	2579.359	1723.892	2120.637
#2	2028.763	24810.01	2585.187	1719.075	2115.947
#3	2029.386	24931.86	2577.406	1734.045	2108.979

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV087 Acquired: 12/21/2024 3:33:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV087 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.780934	4.699486	24.33493	4.731740	4.755035	398.2370	10.05256
Stddev	.016704	.028053	.07140	.002818	.001661	2.1417	.05239
%RSD	.3493951	.5969360	.2934040	.0595559	.0349227	.5377928	.5211990
#1	4.771152	4.674025	24.27982	4.732721	4.753299	396.6578	10.03410
#2	4.771427	4.694874	24.30938	4.728563	4.756609	400.6747	10.11169
#3	4.800222	4.729560	24.41559	4.733937	4.755197	397.3784	10.01190

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4976167	2.447808	399.4599	15.22894	2.458385	14.79517	400.3974
Stddev	.0028371	.007666	1.6840	.02529	.008023	.08496	2.6552
%RSD	.5701432	.3131938	.4215596	.1660728	.3263496	.5742322	.6631514
#1	.4976796	2.441169	398.0409	15.20192	2.451627	14.76238	398.8317
#2	.5004219	2.446056	401.3207	15.23288	2.456276	14.89164	403.4631
#3	.4947487	2.456198	399.0181	15.25204	2.467252	14.73150	398.8973

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.77672	395.4358	2.464335	1.270131	395.9051	2.464998	14.73598
Stddev	.08824	2.4581	.005943	.003488	2.3640	.020712	.07480
%RSD	.5971373	.6216149	.2411650	.2745999	.5971227	.8402578	.5075871
#1	14.71459	393.7804	2.458632	1.266314	394.9589	2.473518	14.65812
#2	14.87772	398.2602	2.463881	1.273151	398.5957	2.480092	14.74254
#3	14.73785	394.2668	2.470492	1.270929	394.1608	2.441385	14.80729

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	148.3256	4.870168	4.844473	4.732681	4.851458	4.835316	4.870450
Stddev	.9960	.017719	.020160	.001451	.014714	.027970	.011669
%RSD	.6715284	.3638290	.4161452	.0306644	.3032808	.5784506	.2395945
#1	147.9076	4.854341	4.830863	4.732274	4.838561	4.820684	4.856980
#2	149.4626	4.866851	4.867633	4.734292	4.848329	4.867566	4.877462
#3	147.6068	4.889311	4.834922	4.731476	4.867485	4.817696	4.876910

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV087 Acquired: 12/21/2024 3:33:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV087 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	4.911312	4.769747	5.046009
Stddev	.018373	.028050	.025734
%RSD	.3740930	.5880740	.5099950
#1	4.899045	4.752732	5.032175
#2	4.932435	4.802122	5.075701
#3	4.902455	4.754387	5.030150

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1519.416	20180.24	2239.395	1278.899	1742.430
Stddev	4.018	33.59	13.350	2.946	1.993
%RSD	.2644166	.1664510	.5961346	.2303524	.1143721
#1	1518.706	20196.35	2240.264	1282.299	1744.723
#2	1515.800	20202.74	2225.632	1277.123	1741.119
#3	1523.741	20141.63	2252.289	1277.274	1741.448

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCB087 Acquired: 12/21/2024 3:37:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB087 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000114	.0013137	.0025421	.0023915	-.003052	-.003296
Stddev	.002767	.0023115	.0011734	.0019788	.001282	.017270
%RSD	2420.995	175.9532	46.15741	82.74005	42.01329	523.9326
#1	.001938	-.000364	.0038210	.0013092	-.003682	-.006252
#2	-.003261	.003950	.0022903	.0046754	-.003898	.015261
#3	.000980	.000354	.0015151	.0011900	-.001577	-.018898

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002735	.0001414	.0002036	.0022288	.0005741	.0000434
Stddev	.0002005	.0001769	.0001174	.0249729	.0002978	.0001229
%RSD	73.29981	125.1011	57.65978	1120.462	51.87306	283.1050
#1	.0000717	-.000060	.0003060	.0258996	.0008218	.0001847
#2	.0002763	.000212	.0002292	-.023869	.0002437	-.000016
#3	.0004727	.000272	.0000755	.004656	.0006567	-.000038

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001960	.0013506	.0001352	.0745602	-.000331	.0013223
Stddev	.002867	.0259820	.0027036	.0961280	.000469	.0006319
%RSD	146.2762	1923.738	2000.079	128.9267	141.5353	47.78704
#1	.001039	-.005457	-.002779	.1852302	-.000715	.0020064
#2	-.004675	.030059	.002562	.0266210	.000192	.0007603
#3	-.002244	-.020550	.000622	.0118294	-.000471	.0012003

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5649293	-.004755	-.005844	-.237777	-.003864	.0146828
Stddev	.7134806	.010226	.008958	.111935	.000823	.0037394
%RSD	126.2956	215.0678	153.2905	47.07566	21.30829	25.46779
#1	.2675086	-.008463	-.007938	-.112755	-.003832	.0167015
#2	1.379004	.006808	.003976	-.328689	-.004703	.0169791
#3	.048275	-.012610	-.013569	-.271887	-.003058	.0103679

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCB087 Acquired: 12/21/2024 3:37:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB087 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001014	-.008151	-.003828	F -.010284	.0026894	.0002701
Stddev	.0000470	.001837	.000776	.001054	.0021837	.0001784
%RSD	46.34454	22.53224	20.28160	10.24958	81.19713	66.04595
#1	.0000544	-.010162	-.003713	-.011212	.0052081	.0004732
#2	.0001015	-.006564	-.004655	-.010501	.0013281	.0001388
#3	.0001484	-.007725	-.003115	-.009138	.0015319	.0001983

Elem	Li6707
Units	ppm
Avg	F .0249040
Stddev	.0034653
%RSD	13.91472
#1	.0275019
#2	.0209694
#3	.0262408

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1822.374	22504.28	2293.242	1554.444	2151.508
Stddev	5.053	96.08	5.141	5.922	4.704
%RSD	.2772740	.4269359	.2241754	.3809469	.2186357
#1	1824.443	22399.23	2295.017	1548.246	2155.086
#2	1816.615	22525.94	2287.449	1560.044	2146.180
#3	1826.063	22587.69	2297.261	1555.042	2153.259

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-18DLX2 Acquired: 12/21/2024 3:41:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0840486	-.042936	.0799224	.0483169	.0176606	44.28174	.4514343
Stddev	.0032875	.004857	.0015897	.0041195	.0026335	.23280	.0040994
%RSD	3.911413	11.31247	1.989057	8.525912	14.91189	.5257271	.9080854
#1	.0862312	-.045353	.0816226	.0524372	.0203792	44.08522	.4473319
#2	.0802676	-.037344	.0784731	.0483154	.0174813	44.22116	.4514404
#3	.0856472	-.046110	.0796714	.0441982	.0151213	44.53884	.4555307

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039807	.0016738	25.67075	.0884327	.0784741	.2855566	105.2537
Stddev	.0000438	.0001148	.09466	.0006575	.0003617	.0075310	.5206
%RSD	1.101154	6.856800	.3687489	.7434570	.4608851	2.637314	.4946152
#1	.0040108	.0018004	25.56568	.0877501	.0788178	.2920365	104.6721
#2	.0039304	.0016447	25.69717	.0890618	.0780968	.2772943	105.4128
#3	.0040009	.0015765	25.74939	.0884861	.0785076	.2873390	105.6761

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.355914	28.46382	.0946248	.0063300	1.076194	.2087948	.4426708
Stddev	.011091	.01183	.0012491	.0017158	.664022	.0043927	.0013014
%RSD	.4707798	.0415622	1.320025	27.10564	61.70095	2.103848	.2939972
#1	2.344040	28.47564	.0959807	.0070589	1.585614	.2037395	.4440411
#2	2.357696	28.46385	.0935209	.0075609	.325204	.2109638	.4414515
#3	2.366006	28.45198	.0943728	.0043701	1.317764	.2116812	.4425197

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.827841	3.236064	.0259067	-.000380	.3490517	.8366089	-.003261
Stddev	.091184	.003808	.0024499	.000297	.0011913	.0018250	.001092
%RSD	1.564635	.1176886	9.456525	78.14496	.3413049	.2181393	33.50311
#1	5.790566	3.233679	.0265427	-.000708	.3486996	.8384429	-.002639
#2	5.761199	3.234056	.0232016	-.000304	.3480760	.8365907	-.004522
#3	5.931758	3.240456	.0279760	-.000128	.3503793	.8347931	-.002621

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-18DLX2 Acquired: 12/21/2024 3:41:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7448511	-.001935	.0443764
Stddev	.0111647	.000130	.0012178
%RSD	1.498913	6.710139	2.744318
#1	.7341000	-.001938	.0435060
#2	.7440655	-.001804	.0438551
#3	.7563878	-.002063	.0457681

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1971.938	24290.73	2488.564	1679.307	2169.568
Stddev	11.047	189.83	15.436	10.640	9.570
%RSD	.5601978	.7815093	.6202578	.6335778	.4410932
#1	1975.587	24189.68	2477.951	1668.967	2173.839
#2	1980.699	24509.72	2506.271	1690.223	2176.260
#3	1959.529	24172.80	2481.469	1678.732	2158.607

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-19DLX2 Acquired: 12/21/2024 3:45:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0458692	-.019062	.0452113	.0224709	.0058172	24.02160	.2938248
Stddev	.0060524	.002155	.0036887	.0023272	.0011779	.04303	.0013097
%RSD	13.19485	11.30687	8.158778	10.35670	20.24854	.1791383	.4457320
#1	.0400661	-.021527	.0437364	.0251560	.0067673	24.05487	.2930685
#2	.0453982	-.017529	.0424882	.0212212	.0044993	24.03693	.2930689
#3	.0521433	-.018131	.0494092	.0210354	.0061851	23.97301	.2953371

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023406	.0006828	19.38596	.0440984	.0447564	.1003276	55.46996
Stddev	.0002080	.0000879	.05286	.0002567	.0004215	.0086333	.16313
%RSD	8.885224	12.87766	.2726608	.5820319	.9417123	8.605162	.2940921
#1	.0025358	.0006530	19.44687	.0442234	.0442698	.1071110	55.62251
#2	.0023642	.0007818	19.35218	.0442685	.0450048	.0906094	55.48939
#3	.0021219	.0006137	19.35883	.0438032	.0449948	.1032623	55.29798

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.467867	15.38536	.0539698	.0041844	.8305558	.1100486	.1594822
Stddev	.003610	.05963	.0009685	.0006997	.3043012	.0070039	.0080514
%RSD	.2459099	.3875460	1.794535	16.72240	36.63826	6.364348	5.048489
#1	1.463701	15.44357	.0549827	.0048187	.6312762	.1020214	.1666090
#2	1.469826	15.38809	.0530529	.0043006	.6795664	.1132097	.1610892
#3	1.470073	15.32441	.0538738	.0034338	1.180825	.1149148	.1507485

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.911815	1.897875	.0147114	-.000243	.2203571	.9569456	-.007461
Stddev	.184232	.007650	.0024454	.000462	.0030676	.0081289	.000692
%RSD	6.327051	.4030583	16.62259	190.1653	1.392093	.8494602	9.280857
#1	3.006619	1.894217	.0152705	-.000197	.2168813	.9595105	-.007150
#2	3.029338	1.892741	.0120349	-.000727	.2226859	.9634826	-.008254
#3	2.699487	1.906667	.0168289	.000194	.2215042	.9478436	-.006978

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-19DLX2 Acquired: 12/21/2024 3:45:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7316404	.0141833	.0252019
Stddev	.0017656	.0004505	.0010159
%RSD	.2413169	3.176609	4.031109
#1	.7318196	.0139420	.0263711
#2	.7297920	.0139049	.0246993
#3	.7333095	.0147031	.0245352

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1932.077	23827.82	2422.937	1645.699	2181.677
Stddev	2.997	85.64	11.756	7.383	1.891
%RSD	.1551181	.3594090	.4852030	.4486155	.0866896
#1	1930.976	23914.04	2428.664	1653.416	2183.677
#2	1929.786	23826.64	2409.415	1644.978	2179.918
#3	1935.469	23742.77	2430.733	1638.703	2181.436

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-20DLX2 Acquired: 12/21/2024 3:49:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0800898	-.041760	.0787585	.0472020	.0162808	43.84192	.3714855
Stddev	.0075565	.000938	.0017914	.0039564	.0001772	.20341	.0023194
%RSD	9.435032	2.247338	2.274558	8.381889	1.088215	.4639522	.6243519
#1	.0878093	-.041478	.0783196	.0486359	.0164363	43.60709	.3689733
#2	.0797523	-.042808	.0772272	.0502415	.0163180	43.95543	.3735454
#3	.0727076	-.040995	.0807285	.0427285	.0160879	43.96323	.3719379

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035254	.0012262	21.69482	.0977000	.0714646	.2726760	102.7018
Stddev	.0000954	.0000397	.10177	.0006247	.0003736	.0014407	.6102
%RSD	2.705622	3.241685	.4690853	.6394238	.5227152	.5283443	.5941214
#1	.0034416	.0012721	21.57868	.0972266	.0710679	.2742700	102.0387
#2	.0035055	.0012040	21.76840	.0984081	.0715162	.2714669	103.2396
#3	.0036292	.0012025	21.73737	.0974653	.0718096	.2722911	102.8270

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.165340	29.51029	.0928617	.0049146	1.129866	.2356664	.3448548
Stddev	.019692	.27256	.0001297	.0004474	.260656	.0046295	.0089125
%RSD	.9094245	.9236155	.1396190	9.103504	23.06964	1.964430	2.584428
#1	2.142739	29.21036	.0927828	.0053190	1.016867	.2303208	.3391766
#2	2.178799	29.74284	.0930113	.0044340	1.427954	.2383138	.3551270
#3	2.174483	29.57766	.0927909	.0049908	.944776	.2383646	.3402607

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.564911	3.128390	.0229632	-.000003	.2367486	1.230180	-.004726
Stddev	.086604	.015825	.0011436	.000202	.0012300	.003790	.000797
%RSD	1.556244	.5058430	4.980131	6811.384	.5195286	.3081090	16.87012
#1	5.471725	3.129385	.0218138	-.000089	.2380762	1.225928	-.005255
#2	5.642928	3.112092	.0229749	.000228	.2365216	1.231410	-.003809
#3	5.580080	3.143694	.0241009	-.000147	.2356478	1.233203	-.005114

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-20DLX2 Acquired: 12/21/2024 3:49:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.078857	-.011808	.0363540
Stddev	.013095	.000280	.0051247
%RSD	1.213778	2.370349	14.09675
#1	1.064437	-.011693	.0420508
#2	1.090008	-.012127	.0348922
#3	1.082124	-.011603	.0321190

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1953.518	24161.35	2464.332	1670.891	2157.420
Stddev	2.572	182.79	2.288	9.917	1.970
%RSD	.1316655	.7565495	.0928422	.5934870	.0913123
#1	1955.773	23992.24	2462.999	1662.905	2157.398
#2	1954.066	24136.52	2463.022	1667.779	2159.400
#3	1950.717	24355.29	2466.974	1681.991	2155.460

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-21DLX2 Acquired: 12/21/2024 3:53:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN8D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0803786	-.043918	.0788684	.0447376	.0182909	43.93097	.3728254
Stddev	.0036272	.000494	.0029894	.0020449	.0019780	.18532	.0023429
%RSD	4.512693	1.125409	3.790335	4.570863	10.81413	.4218485	.6284078
#1	.0840843	-.044438	.0774836	.0425268	.0165242	43.85273	.3712666
#2	.0802162	-.043454	.0768226	.0465613	.0179207	43.79760	.3716899
#3	.0768352	-.043863	.0822991	.0451246	.0204279	44.14258	.3755196

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036386	.0011926	21.72188	.0979670	.0711640	.2835539	102.8785
Stddev	.0000686	.0000444	.09041	.0003425	.0004833	.0032630	.3803
%RSD	1.884653	3.723033	.4162074	.3496083	.6791157	1.150761	.3696288
#1	.0036511	.0012375	21.72451	.0982020	.0706448	.2820668	102.4464
#2	.0037000	.0011487	21.63018	.0975740	.0712462	.2812994	103.0268
#3	.0035646	.0011918	21.81094	.0981249	.0716008	.2872956	103.1622

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.173204	29.40664	.0928313	.0046726	1.153600	.2342536	.3484641
Stddev	.005644	.08233	.0010904	.0002913	.594416	.0115766	.0087036
%RSD	.2597192	.2799549	1.174588	6.234710	51.52708	4.941899	2.497697
#1	2.169500	29.34684	.0939119	.0045244	1.290960	.2210198	.3564126
#2	2.170411	29.37254	.0928505	.0050082	1.667310	.2425037	.3391637
#3	2.179700	29.50053	.0917314	.0044852	.502528	.2392373	.3498160

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.638431	3.128192	.0229305	-.000014	.2344971	1.221645	-.003258
Stddev	.153769	.002763	.0008393	.000214	.0018995	.007638	.001620
%RSD	2.727153	.0883381	3.660284	1532.074	.8100387	.6251872	49.72676
#1	5.467581	3.131044	.0237631	.000212	.2339218	1.215234	-.002206
#2	5.681994	3.125527	.0220846	-.000040	.2329518	1.219607	-.002444
#3	5.765718	3.128006	.0229439	-.000214	.2366178	1.230095	-.005124

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-21DLX2 Acquired: 12/21/2024 3:53:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN8D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.084525	-.011858	.0361326
Stddev	.005666	.000233	.0036860
%RSD	.5223975	1.968490	10.20122
#1	1.080809	-.012126	.0325506
#2	1.091046	-.011702	.0359327
#3	1.081721	-.011746	.0399144

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1955.040	24056.78	2464.688	1663.540	2162.657
Stddev	6.465	73.15	7.488	3.617	5.056
%RSD	.3307004	.3040656	.3038205	.2174234	.2338087
#1	1960.079	23989.63	2468.277	1660.868	2165.527
#2	1957.292	24045.98	2469.705	1662.096	2165.625
#3	1947.750	24134.73	2456.080	1667.656	2156.818

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-20LDLX10 Acquired: 12/21/2024 3:57:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN8L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0153898	-.009866	.0140549	.0105006	.0019256	8.988953	.0760953
Stddev	.0038269	.003401	.0023676	.0026126	.0043189	.068627	.0008299
%RSD	24.86670	34.46903	16.84560	24.88062	224.2876	.7634618	1.090656
#1	.0188369	-.013773	.0139111	.0116142	-.001052	8.964824	.0756261
#2	.0112718	-.007571	.0164911	.0075157	-.000050	8.935648	.0756063
#3	.0160608	-.008254	.0117624	.0123718	.006879	9.066386	.0770536

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008018	.0003373	4.496512	.0193251	.0150224	.0520892	21.22555
Stddev	.0000603	.0000944	.031885	.0001643	.0001255	.0047932	.22301
%RSD	7.522143	27.99912	.7091004	.8503749	.8350705	9.201887	1.050677
#1	.0008355	.0003735	4.486348	.0194456	.0150723	.0466491	21.14553
#2	.0007321	.0002301	4.470949	.0193917	.0148797	.0556919	21.05358
#3	.0008377	.0004083	4.532240	.0191379	.0151153	.0539264	21.47753

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4497244	6.174927	.0178353	.0007992	.3078828	.0443074	.0726237
Stddev	.0025069	.172380	.0002472	.0006158	.7812666	.0045141	.0071916
%RSD	.5574388	2.791604	1.385753	77.04713	253.7546	10.18821	9.902547
#1	.4478088	5.977478	.0181035	.0000887	-.591955	.0463564	.0760566
#2	.4488027	6.295450	.0176167	.0011303	.813454	.0391322	.0643590
#3	.4525617	6.251853	.0177859	.0011786	.702149	.0474337	.0774556

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6710443	.6108514	.0044076	.0001686	.0360655	.2649007	-.011507
Stddev	.0647150	.0028788	.0006937	.0004387	.0019995	.0011763	.000685
%RSD	9.643927	.4712748	15.73785	260.1293	5.544158	.4440664	5.956630
#1	.5963187	.6077829	.0048695	.0004782	.0371308	.2639489	-.010776
#2	.7081049	.6112785	.0047433	-.000333	.0373067	.2645373	-.012136
#3	.7087094	.6134928	.0036099	.000361	.0337589	.2662158	-.011608

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-20LDLX10 Acquired: 12/21/2024 3:57:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN8L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2203639	-.002373	.0111556
Stddev	.0060562	.000067	.0009170
%RSD	2.748260	2.828937	8.220332
#1	.2156006	-.002305	.0114489
#2	.2183117	-.002439	.0101278
#3	.2271796	-.002374	.0118900

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1861.940	23149.38	2356.743	1593.664	2157.460
Stddev	3.914	84.93	11.521	7.836	3.521
%RSD	.2102137	.3668599	.4888551	.4917045	.1632078
#1	1864.965	23117.82	2369.872	1592.408	2161.518
#2	1857.519	23084.76	2352.033	1586.533	2155.655
#3	1863.335	23245.57	2348.322	1602.053	2155.208

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-22DLX2 Acquired: 12/21/2024 4:01:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN8S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1666367	.0497111	.1145676	.2296723	.1888688	46.77609	4.314102
Stddev	.0024516	.0020048	.0016239	.0034223	.0011446	.11540	.016523
%RSD	1.471243	4.032846	1.417427	1.490092	.6060479	.2467070	.3829915
#1	.1638503	.0477629	.1128355	.2296136	.1901456	46.84549	4.320164
#2	.1675970	.0517680	.1148115	.2262797	.1885260	46.64287	4.295405
#3	.1684628	.0496022	.1160557	.2331236	.1879347	46.83990	4.326738

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1047898	.1005560	21.33543	.5108220	1.047569	.7328987	102.5366
Stddev	.0002840	.0004257	.06488	.0017991	.003233	.0065011	.4701
%RSD	.2709777	.4233178	.3040782	.3521980	.3086199	.8870374	.4584224
#1	.1050500	.1004542	21.27248	.5118296	1.046193	.7253921	102.7335
#2	.1048325	.1001905	21.33175	.5118916	1.045251	.7366020	102.0001
#3	.1044869	.1010234	21.40207	.5087449	1.051262	.7367020	102.8761

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.126443	28.77790	1.088598	.0777205	1.445826	1.217879	1.197708
Stddev	.008796	.20484	.004067	.0009165	.378051	.017242	.011287
%RSD	.2813386	.7117884	.3735809	1.179228	26.14779	1.415718	.9423949
#1	3.132568	28.97436	1.085914	.0782478	1.012972	1.222625	1.200183
#2	3.116364	28.56560	1.086603	.0782516	1.711254	1.198762	1.185389
#3	3.130398	28.79375	1.093277	.0766623	1.613250	1.232251	1.207552

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.488949	3.066741	.0199733	-.000627	.2307398	1.223515	-.004023
Stddev	.119585	.013470	.0015056	.000920	.0004546	.005479	.000870
%RSD	2.178652	.4392332	7.538091	146.6648	.1970137	.4477725	21.61422
#1	5.529065	3.062723	.0190356	-.001645	.2303811	1.225590	-.003810
#2	5.354464	3.055736	.0217100	-.000382	.2312510	1.227653	-.004979
#3	5.583319	3.081762	.0191744	.000145	.2305872	1.217302	-.003280

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5185-22DLX2 Acquired: 12/21/2024 4:01:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZN8S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.054358	-.013592	.0309597
Stddev	.008927	.000275	.0010628
%RSD	.8466743	2.021714	3.432809
#1	1.058783	-.013803	.0316547
#2	1.044083	-.013281	.0297363
#3	1.060208	-.013691	.0314883

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1966.546	24485.58	2482.823	1688.003	2177.908
Stddev	3.828	79.77	12.712	2.425	4.751
%RSD	.1946412	.3257975	.5119908	.1436609	.2181239
#1	1969.186	24393.69	2468.175	1685.701	2181.760
#2	1968.297	24525.89	2489.327	1687.774	2179.364
#3	1962.156	24537.15	2490.967	1690.535	2172.600

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165654BL Acquired: 12/21/2024 4:04:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS654 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005984	.0011793	-.002720	.0014477	-.004324	-.030655
Stddev	.0027878	.0010219	.002667	.0050804	.002885	.011373
%RSD	465.8610	86.65361	98.05196	350.9334	66.70986	37.10177
#1	.0029083	.0021787	.000356	-.000949	-.004992	-.036288
#2	.0013852	.0001362	-.004133	-.001991	-.006817	-.038112
#3	-.002498	.0012231	-.004382	.007283	-.001164	-.017564

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000165	.0000607	.0000675	-.003853	-.001795	.0000854
Stddev	.0009434	.0001285	.0001282	.010498	.000892	.0002266
%RSD	5719.676	211.6309	190.0347	272.4359	49.70033	265.2199
#1	.0002114	-.000080	-.000041	-.015814	-.002747	.0002911
#2	-.001009	.000092	.000034	.000422	-.001661	-.000157
#3	.000847	.000171	.000209	.003832	-.000978	.000123

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006586	-.017095	-.000597	.0012802	.0000989	.0002702
Stddev	.009720	.029457	.002057	.0472528	.0004239	.0008624
%RSD	147.5833	172.3150	344.5001	3691.147	428.6041	319.2233
#1	.000671	-.039639	-.000476	.0466448	-.000246	.0009652
#2	-.002800	-.027879	-.002712	-.047658	.000572	.0005403
#3	-.017629	.016234	.001397	.004854	-.000030	-.000695

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3804331	.0002767	.0019628	-.355032	-.005534	-.001810
Stddev	.4040230	.0011158	.0127871	.155328	.001231	.004299
%RSD	106.2008	403.1811	651.4750	43.75049	22.23564	237.5352
#1	-.008168	.0010597	-.012494	-.513228	-.004971	-.006304
#2	.351179	-.001001	.011791	-.202740	-.004686	-.001391
#3	.798288	.000771	.006591	-.349127	-.006946	.002264

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165654BL Acquired: 12/21/2024 4:04:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS654 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000115	-.005249	-.004642	F -.014199	.0001509	-.000004
Stddev	.000576	.002955	.000725	.001613	.0031715	.000195
%RSD	498.9937	56.30216	15.62118	11.36190	2102.173	4791.493
#1	-.000171	-.002388	-.005056	-.012897	.0022735	-.000226
#2	.000486	-.005068	-.003805	-.016004	-.003495	.000142
#3	-.000661	-.008290	-.005066	-.013696	.001674	.000071

Elem	Li6707
Units	ppm
Avg	.0087139
Stddev	.0017910
%RSD	20.55309
#1	.0102911
#2	.0067669
#3	.0090838

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1823.847	22562.75	2288.681	1553.622	2150.111
Stddev	6.791	192.24	20.471	11.515	7.363
%RSD	.3723225	.8520083	.8944625	.7411756	.3424502
#1	1816.081	22358.62	2267.742	1540.701	2141.870
#2	1828.670	22589.32	2289.650	1557.366	2156.044
#3	1826.790	22740.33	2308.650	1562.799	2152.417

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165654BS Acquired: 12/21/2024 4:08:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS654 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0244714	.0497901	.0180796	.0571313	.1017830	.3998343
Stddev	.0029512	.0027145	.0013210	.0042718	.0031195	.0269803
%RSD	12.05985	5.451787	7.306587	7.477087	3.064870	6.747860
#1	.0230913	.0524374	.0182447	.0522585	.0996658	.4070171
#2	.0224631	.0470131	.0166839	.0589045	.1053654	.4224963
#3	.0278598	.0499198	.0193104	.0602309	.1003178	.3699895

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4146888	.0105408	.0098901	10.13385	.0204578	.1013508
Stddev	.0033370	.0001282	.0000494	.04359	.0007675	.0003580
%RSD	.8047042	1.216131	.4990903	.4301176	3.751741	.3531897
#1	.4108365	.0104929	.0098866	10.09078	.0198366	.1011235
#2	.4165414	.0104435	.0098425	10.17794	.0202209	.1017634
#3	.4166886	.0106861	.0099411	10.13284	.0213158	.1011653

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0469552	.2048927	.0313278	10.45544	.0780711	.0194856
Stddev	.0123053	.0257160	.0006020	.15855	.0005064	.0005506
%RSD	26.20640	12.55095	1.921596	1.516449	.6486828	2.825918
#1	.0327857	.1766630	.0307746	10.32636	.0776311	.0195413
#2	.0531244	.2110310	.0312399	10.63242	.0779575	.0189092
#3	.0549555	.2269842	.0319689	10.40753	.0786247	.0200062

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.19279	.1002157	.1042421	9.293090	.0154571	F .0012435
Stddev	.81129	.0172863	.0047036	.197522	.0008990	.0021697
%RSD	7.248329	17.24905	4.512201	2.125466	5.816435	174.4770
#1	11.13724	.1195100	.1012244	9.106164	.0144323	.0013884
#2	10.41070	.0861400	.1018401	9.273376	.0158261	.0033371
#3	12.03043	.0949970	.1096617	9.499729	.0161130	-.000995

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165654BS Acquired: 12/21/2024 4:08:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS654 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0187133	.1709455	F .4869168	F -.000447	.1992414	.2121796
Stddev	.0005250	.0041049	.0014813	.000758	.0031703	.0016786
%RSD	2.805602	2.401277	.3042158	169.3978	1.591190	.7911070
#1	.0192806	.1683953	.4852067	.000334	.1996023	.2102414
#2	.0182446	.1687606	.4877408	-.001179	.2022158	.2131619
#3	.0186147	.1756808	.4878028	-.000498	.1959060	.2131355

Elem	Li6707
Units	ppm
Avg	.0385239
Stddev	.0006063
%RSD	1.573835
#1	.0378692
#2	.0390660
#3	.0386366

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1829.038	22630.63	2322.784	1568.093	2147.825
Stddev	2.401	131.82	3.321	6.843	1.246
%RSD	.1312618	.5824909	.1429952	.4363608	.0580236
#1	1831.806	22526.03	2320.250	1563.060	2146.594
#2	1827.513	22587.16	2321.557	1565.334	2149.086
#3	1827.796	22778.69	2326.544	1575.884	2147.797

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165654BSD Acquired: 12/21/2024 4:12:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD654 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0126522	.0281319	.0096388	.0321405	.0491602	.2032033	.2110176
Stddev	.0034824	.0035940	.0017834	.0033169	.0012916	.0399538	.0011744
%RSD	27.52427	12.77562	18.50197	10.31991	2.627272	19.66197	.5565244
#1	.0165974	.0286791	.0115267	.0285310	.0505719	.1964479	.2112472
#2	.0113529	.0242957	.0094070	.0350544	.0488709	.1670579	.2120603
#3	.0100062	.0314210	.0079827	.0328361	.0480378	.2461041	.2097454

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053332	.0050281	5.180935	.0093350	.0512076	.0161901	.1068657
Stddev	.0000181	.0000582	.049141	.0010094	.0002349	.0032949	.0332230
%RSD	.3385340	1.158214	.9484951	10.81305	.4588275	20.35102	31.08859
#1	.0053512	.0050453	5.149512	.0104928	.0509636	.0148429	.1158268
#2	.0053151	.0049633	5.155728	.0086393	.0514322	.0137824	.1346891
#3	.0053334	.0050759	5.237564	.0088730	.0512271	.0199451	.0700812

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0159998	5.274430	.0400096	.0097407	5.749768	.0418919	.0513832
Stddev	.0013710	.091884	.0003188	.0006980	.953137	.0048342	.0098294
%RSD	8.568922	1.742056	.7968893	7.166103	16.57697	11.53960	19.12960
#1	.0146189	5.328489	.0396595	.0091788	5.601528	.0435874	.0479745
#2	.0160197	5.168338	.0402833	.0105221	6.768340	.0456500	.0437118
#3	.0173607	5.326462	.0400860	.0095211	4.879436	.0364384	.0624632

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.326273	.0074374	-.001810	.0095752	.0834965	.2436885	-.007532
Stddev	.119831	.0007143	.000492	.0003894	.0070440	.0007333	.000806
%RSD	2.769853	9.604286	27.20110	4.066438	8.436337	.3009308	10.69883
#1	4.190764	.0066237	-.001780	.0097700	.0880656	.2441739	-.008105
#2	4.369785	.0077276	-.002316	.0091269	.0870395	.2428449	-.007882
#3	4.418268	.0079609	-.001333	.0098287	.0753843	.2440468	-.006611

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165654BSD Acquired: 12/21/2024 4:12:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD654 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1022315	.1077510	.0251525
Stddev	.0038193	.0002925	.0034564
%RSD	3.735932	.2714967	13.74158
#1	.1026276	.1074441	.0290135
#2	.1058372	.1077823	.0223469
#3	.0982295	.1080267	.0240970

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1839.693	22684.84	2305.899	1563.265	2170.225
Stddev	5.121	34.92	11.391	4.782	4.311
%RSD	.2783875	.1539563	.4940055	.3058829	.1986521
#1	1833.779	22659.81	2294.157	1567.707	2165.256
#2	1842.618	22669.96	2316.903	1558.204	2172.453
#3	1842.681	22724.74	2306.637	1563.882	2172.966

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-01DLX2 Acquired: 12/21/2024 4:16:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZK9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1060449	-.060184	.1191790	.0602172	.0236315	65.81112	.7993531
Stddev	.0015385	.003520	.0013057	.0013240	.0014591	.22234	.0034879
%RSD	1.450819	5.848469	1.095534	2.198767	6.174529	.3378410	.4363382
#1	.1055298	-.061987	.1190594	.0601873	.0243204	65.59199	.7958466
#2	.1048300	-.062438	.1179373	.0615560	.0219555	66.03653	.8028221
#3	.1077749	-.056128	.1205403	.0589084	.0246187	65.80482	.7993906

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060645	.0016974	32.88703	.0866440	.0796488	.1545996	138.8587
Stddev	.0001329	.0000384	.08457	.0004087	.0004433	.0042262	.3984
%RSD	2.190824	2.259767	.2571600	.4716602	.5565340	2.733668	.2869320
#1	.0061883	.0017167	32.83987	.0868663	.0801170	.1513686	138.5253
#2	.0059241	.0017222	32.98466	.0861723	.0792356	.1593824	139.2999
#3	.0060809	.0016532	32.83654	.0868932	.0795937	.1530478	138.7509

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.909872	32.52963	.0969964	.0079297	1.075241	.2225631	.4202999
Stddev	.010923	.20852	.0011471	.0005290	.523215	.0037013	.0075085
%RSD	.3753772	.6410263	1.182657	6.671092	48.66032	1.663015	1.786454
#1	2.898841	32.36282	.0980522	.0074497	1.326865	.2245387	.4171310
#2	2.920683	32.76341	.0957758	.0078425	.473752	.2248573	.4148955
#3	2.910092	32.46265	.0971611	.0084969	1.425105	.2182932	.4288733

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.15005	5.679732	.0342039	.0011501	1.260742	1.583778	.0086166
Stddev	.06410	.021265	.0023205	.0006994	.006068	.003440	.0007544
%RSD	.4230820	.3744007	6.784190	60.81357	.4812658	.2172259	8.755541
#1	15.09892	5.681465	.0327604	.0015076	1.260667	1.580137	.0089226
#2	15.12928	5.657654	.0368805	.0015986	1.254713	1.586975	.0077573
#3	15.22196	5.700078	.0329707	.0003442	1.266847	1.584222	.0091699

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-01DLX2 Acquired: 12/21/2024 4:16:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZK9 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7738802	.0281962	.0511468
Stddev	.0019646	.0002323	.0042191
%RSD	.2538682	.8239108	8.248895
#1	.7725581	.0279297	.0504491
#2	.7761378	.0283028	.0556712
#3	.7729448	.0283561	.0473201

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2021.835	24967.67	2553.370	1726.973	2111.028
Stddev	1.912	35.69	4.946	3.617	3.815
%RSD	.0945429	.1429391	.1936926	.2094267	.1807385
#1	2023.857	25004.79	2555.671	1723.227	2114.365
#2	2021.591	24933.61	2547.693	1730.445	2111.851
#3	2020.057	24964.61	2556.745	1727.248	2106.869

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-02DLX2 Acquired: 12/21/2024 4:20:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZL0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1395578	-.063271	.2135074	.0706931	.0265246	62.11178	.8631044
Stddev	.0036697	.003651	.0017126	.0018848	.0020704	.45600	.0064501
%RSD	2.629531	5.770439	.8021372	2.666138	7.805653	.7341673	.7473137
#1	.1393481	-.059105	.2150454	.0724318	.0241348	61.60144	.8568524
#2	.1433279	-.064794	.2138150	.0709574	.0277780	62.47922	.8697359
#3	.1359974	-.065914	.2116618	.0686902	.0276609	62.25467	.8627249

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0064222	.0025118	28.00546	.0911941	.0921377	.2234714	150.6940
Stddev	.0002800	.0001143	.26265	.0003247	.0003492	.0095318	1.0755
%RSD	4.360397	4.548528	.9378399	.3560454	.3789475	4.265348	.7137311
#1	.0066962	.0026430	27.71389	.0914090	.0920106	.2135045	149.4614
#2	.0061365	.0024345	28.22351	.0908206	.0918699	.2244109	151.4422
#3	.0064340	.0024578	28.07898	.0913526	.0925326	.2324986	151.1783

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.235644	28.30411	.0977428	.0099234	.5269029	.2344887	.4933285
Stddev	.017692	.17097	.0004700	.0006330	1.296054	.0019917	.0091122
%RSD	.5467832	.6040598	.4808372	6.378541	245.9759	.8493575	1.847085
#1	3.215218	28.13265	.0982504	.0093349	-.670215	.2322238	.4952261
#2	3.246115	28.47459	.0973228	.0105930	.347685	.2352754	.4834169
#3	3.245601	28.30510	.0976550	.0098423	1.903239	.2359668	.5013425

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.59807	4.410675	.0335498	.0007126	1.024589	1.296457	.0154575
Stddev	.09214	.005538	.0005531	.0003580	.005828	.011844	.0011279
%RSD	.6776215	.1255642	1.648665	50.23219	.5687789	.9135959	7.296715
#1	13.68631	4.406530	.0337578	.0003084	1.019295	1.307649	.0158594
#2	13.50246	4.416965	.0329229	.0009896	1.023638	1.297668	.0163294
#3	13.60542	4.408530	.0339689	.0008398	1.030834	1.284053	.0141837

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-02DLX2 Acquired: 12/21/2024 4:20:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZL0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9508916	.0110719	.0486717
Stddev	.0064967	.0002313	.0037723
%RSD	.6832274	2.089446	7.750522
#1	.9435834	.0108090	.0505862
#2	.9560122	.0111628	.0443261
#3	.9530792	.0112441	.0511029

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2010.351	24801.60	2551.147	1717.937	2113.915
Stddev	4.169	26.28	16.186	3.653	6.015
%RSD	.2073672	.1059442	.6344678	.2126667	.2845587
#1	2007.792	24817.17	2537.020	1719.398	2108.109
#2	2008.099	24816.36	2547.612	1720.634	2113.515
#3	2015.161	24771.26	2568.809	1713.779	2120.120

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-03DLX2 Acquired: 12/21/2024 4:24:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZL1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1366972	-.055596	.0740209	.0582537	.0218738	57.11639	.5613207
Stddev	.0030069	.005099	.0006586	.0006665	.0012170	.22426	.0021770
%RSD	2.199675	9.172092	.8896940	1.144181	5.563646	.3926335	.3878423
#1	.1401216	-.060654	.0747567	.0579221	.0213500	56.87942	.5588861
#2	.1344883	-.055679	.0734866	.0578180	.0210064	57.14446	.5619957
#3	.1354819	-.050456	.0738195	.0590210	.0232650	57.32530	.5630803

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0045629	.0013126	32.79256	.1542779	.1148796	.2312880	132.6594
Stddev	.0001297	.0000595	.09883	.0012529	.0005608	.0057658	.6451
%RSD	2.841720	4.531292	.3013643	.8121046	.4881604	2.492890	.4863036
#1	.0046752	.0012466	32.73770	.1556037	.1142958	.2307472	132.0945
#2	.0045926	.0013622	32.73333	.1541164	.1154141	.2258118	132.5213
#3	.0044210	.0013290	32.90664	.1531136	.1149288	.2373052	133.3624

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.203201	37.42418	.1392862	.0076008	1.998796	.2792772	.2736827
Stddev	.021448	.22761	.0005793	.0007460	.507168	.0053357	.0088167
%RSD	.6695699	.6081880	.4159085	9.815133	25.37365	1.910526	3.221487
#1	3.184533	37.17584	.1399502	.0076079	2.373435	.2814638	.2638440
#2	3.198440	37.47386	.1388836	.0068513	2.201289	.2731956	.2763363
#3	3.226629	37.62285	.1390250	.0083433	1.421665	.2831722	.2808678

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.759641	2.903979	.0382621	.0010553	.9044898	1.559936	.0004378
Stddev	.111863	.005579	.0011792	.0005073	.0057475	.003967	.0009947
%RSD	1.277026	.1921172	3.081864	48.07359	.6354388	.2542806	227.2355
#1	8.792433	2.910037	.0370130	.0005027	.8981768	1.560373	.0009131
#2	8.635047	2.899052	.0393560	.0015000	.9058736	1.563666	.0011057
#3	8.851443	2.902849	.0384175	.0011630	.9094191	1.555769	-.000705

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-03DLX2 Acquired: 12/21/2024 4:24:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZL1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8466535	.0147803	.0417022
Stddev	.0036356	.0003241	.0033055
%RSD	.4294023	2.192993	7.926357
#1	.8505971	.0146030	.0435569
#2	.8434354	.0151544	.0378859
#3	.8459282	.0145835	.0436638

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1927.061	23875.51	2453.031	1651.748	2111.980
Stddev	4.766	97.48	3.179	9.300	5.108
%RSD	.2473037	.4082971	.1296043	.5630207	.2418624
#1	1931.083	23875.16	2451.354	1654.821	2117.867
#2	1921.797	23973.17	2451.043	1659.123	2108.718
#3	1928.303	23778.20	2456.698	1641.301	2109.354

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-04DLX2 Acquired: 12/21/2024 4:28:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZL2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4641659	-.153067	.1357596	.1617131	.0681263	115.0930	.9443095
Stddev	.0038109	.000512	.0027907	.0031940	.0019007	.6345	.0051325
%RSD	.8210182	.3341854	2.055655	1.975071	2.789971	.5512922	.5435235
#1	.4621062	-.152820	.1341837	.1636161	.0667778	114.5088	.9396028
#2	.4685634	-.152725	.1341132	.1580256	.0673009	115.0021	.9435438
#3	.4618280	-.153655	.1389818	.1634974	.0703002	115.7680	.9497819

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0098053	.0030495	45.76183	.1582566	.2407156	.4357622	334.8789
Stddev	.0000643	.0001321	.27777	.0006648	.0006613	.0079862	1.8278
%RSD	.6555562	4.330897	.6069863	.4201036	.2747125	1.832697	.5458171
#1	.0098783	.0031959	45.50167	.1587992	.2407918	.4294767	333.0920
#2	.0097569	.0029394	45.72944	.1584556	.2413356	.4330613	334.7996
#3	.0097809	.0030132	46.05437	.1575150	.2400196	.4447487	336.7451

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.958335	67.10403	.2121683	.0171910	1.199376	.7512737	1.048780
Stddev	.035544	.35681	.0011088	.0004020	.366446	.0107489	.013545
%RSD	.3967693	.5317275	.5226235	2.338192	30.55310	1.430755	1.291481
#1	8.932446	66.91317	.2124467	.0171181	1.368061	.7402279	1.034342
#2	8.943699	66.88325	.2109467	.0168306	1.451101	.7518944	1.050793
#3	8.998860	67.51568	.2131113	.0176245	.778965	.7616988	1.061206

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.31231	4.831541	.0771817	.0002660	1.116393	2.010066	.0177752
Stddev	.02705	.007864	.0022681	.0005453	.004511	.008675	.0002656
%RSD	.1562356	.1627677	2.938653	204.9809	.4040851	.4315904	1.493978
#1	17.28131	4.835140	.0773181	.0004337	1.117958	2.008700	.0179540
#2	17.32453	4.822521	.0748485	-.000343	1.119914	2.019344	.0174701
#3	17.33109	4.836961	.0793785	.000708	1.111308	2.002155	.0179015

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-04DLX2 Acquired: 12/21/2024 4:28:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZL2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.843402	-.071999	.0828212
Stddev	.012025	.001335	.0007005
%RSD	.6523362	1.853867	.8457696
#1	1.829639	-.070579	.0830024
#2	1.848686	-.072191	.0834132
#3	1.851881	-.073228	.0820479

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2048.494	25105.90	2621.755	1740.058	2066.805
Stddev	2.793	161.01	8.688	7.508	5.150
%RSD	.1363417	.6413036	.3313716	.4314829	.2491851
#1	2045.328	24950.21	2613.164	1731.533	2062.854
#2	2049.544	25271.74	2630.536	1745.688	2064.930
#3	2050.609	25095.75	2621.565	1742.952	2072.630

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-05DLX2 Acquired: 12/21/2024 4:32:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZL3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2486325	-.089524	.1503296	.0916542	.0381375	86.15890	.5787437
Stddev	.0009103	.000647	.0025679	.0008879	.0016989	.40280	.0033768
%RSD	.3661180	.7231361	1.708148	.9687578	4.454583	.4675128	.5834696
#1	.2483816	-.089106	.1484833	.0918507	.0400270	85.73453	.5763129
#2	.2496419	-.090269	.1492435	.0924274	.0376494	86.53596	.5825994
#3	.2478740	-.089196	.1532621	.0906845	.0367362	86.20622	.5773187

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066492	.0019795	46.50108	.2444911	.1838432	.4127276	206.7714
Stddev	.0000346	.0001138	.09571	.0003058	.0001449	.0034495	1.1473
%RSD	.5198582	5.747441	.2058186	.1250755	.0788164	.8357714	.5548694
#1	.0066274	.0018483	46.40330	.2448443	.1839227	.4106075	205.6618
#2	.0066311	.0020515	46.59457	.2443158	.1836760	.4167078	207.9530
#3	.0066890	.0020386	46.50539	.2443134	.1839310	.4108674	206.6996

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.302366	56.49102	.2105964	.0105713	1.879444	.4367079	.3137142
Stddev	.014744	.33464	.0006919	.0003207	.324783	.0077641	.0187080
%RSD	.3426962	.5923841	.3285203	3.033464	17.28082	1.777880	5.963390
#1	4.290635	56.10465	.2109695	.0103189	1.810291	.4445281	.3270045
#2	4.318917	56.68941	.2110216	.0104629	1.594806	.4365946	.2923206
#3	4.297547	56.67900	.2097981	.0109321	2.233234	.4290010	.3218173

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.438748	4.151276	.0478942	.0011347	.8492371	1.106785	.0100159
Stddev	.107011	.006449	.0028976	.0003496	.0034942	.004703	.0016582
%RSD	1.438557	.1553556	6.050076	30.81073	.4114470	.4249527	16.55556
#1	7.447528	4.158544	.0512382	.0007310	.8484979	1.101374	.0081516
#2	7.541098	4.149050	.0461229	.0013414	.8461717	1.109090	.0105698
#3	7.327618	4.146235	.0463216	.0013316	.8530417	1.109891	.0113262

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-05DLX2 Acquired: 12/21/2024 4:32:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZL3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.168547	-.014785	.0593236
Stddev	.009966	.000483	.0030385
%RSD	.8528763	3.265123	5.121984
#1	1.157347	-.014365	.0578350
#2	1.171858	-.015312	.0573163
#3	1.176437	-.014677	.0628194

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1949.939	24113.72	2494.068	1671.869	2082.766
Stddev	4.357	78.65	8.215	3.751	5.144
%RSD	.2234462	.3261568	.3293726	.2243639	.2469994
#1	1948.020	24028.97	2502.135	1676.077	2080.284
#2	1946.870	24127.84	2485.713	1670.650	2079.334
#3	1954.926	24184.35	2494.356	1668.879	2088.681

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-06DLX2 Acquired: 12/21/2024 4:36:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZL4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1218968	-.067423	.1354641	.0748566	.0276220	82.18651	.9130405
Stddev	.0037989	.000786	.0032195	.0024016	.0006980	.28658	.0041832
%RSD	3.116462	1.165355	2.376676	3.208240	2.527098	.3486890	.4581560
#1	.1262467	-.067319	.1332732	.0759728	.0277897	81.94460	.9119160
#2	.1192321	-.068256	.1339586	.0721000	.0268554	82.11194	.9095346
#3	.1202114	-.066695	.1391606	.0764969	.0282210	82.50300	.9176710

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071510	.0022467	43.99016	.1336666	.1020357	.1952259	162.5953
Stddev	.0000947	.0000626	.22196	.0006433	.0004058	.0058043	.5571
%RSD	1.324522	2.784267	.5045590	.4812702	.3976527	2.973107	.3426457
#1	.0071065	.0021885	43.77662	.1344091	.1016163	.1918228	162.6608
#2	.0072597	.0022389	43.97418	.1333152	.1024263	.1919271	162.0084
#3	.0070867	.0023128	44.21967	.1332755	.1020643	.2019279	163.1168

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.483674	41.12804	.1300644	.0088808	1.097836	.2697258	.4865538
Stddev	.010363	.18885	.0005786	.0011413	.460632	.0103389	.0117119
%RSD	.2974614	.4591733	.4448340	12.85147	41.95817	3.833116	2.407107
#1	3.481974	41.04347	.1307310	.0096156	.743747	.2712616	.4931620
#2	3.474266	40.99625	.1296927	.0075660	1.618607	.2587049	.4730312
#3	3.494781	41.34439	.1297696	.0094609	.931155	.2792109	.4934681

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.90291	6.749861	.0473830	.0013144	1.047258	1.385909	.0072500
Stddev	.08615	.003212	.0043854	.0003760	.003721	.004386	.0004390
%RSD	.7237867	.0475875	9.255281	28.60804	.3553433	.3164507	6.054590
#1	11.82921	6.746663	.0473807	.0016999	1.049244	1.389534	.0077160
#2	11.88189	6.749831	.0429987	.0012946	1.042965	1.387159	.0071898
#3	11.99763	6.753087	.0517695	.0009487	1.049565	1.381034	.0068442

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-06DLX2 Acquired: 12/21/2024 4:36:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZL4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7170791	.0801422	.0622742
Stddev	.0008267	.0007586	.0030906
%RSD	.1152910	.9465771	4.962837
#1	.7178980	.0795452	.0658308
#2	.7162447	.0798856	.0607502
#3	.7170947	.0809958	.0602417

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2030.642	24932.35	2572.317	1725.708	2106.988
Stddev	1.415	100.18	3.722	1.284	3.040
%RSD	.0696596	.4017877	.1446974	.0744271	.1442691
#1	2030.299	25043.79	2572.718	1725.040	2103.753
#2	2032.196	24903.47	2568.411	1724.895	2109.785
#3	2029.429	24849.79	2575.822	1727.189	2107.427

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-07DLX2 Acquired: 12/21/2024 4:39:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZL5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1382507	-.073493	.1350553	.0819555	.0340488	87.49071	.9921908
Stddev	.0010149	.003485	.0011193	.0015551	.0015175	.70021	.0085634
%RSD	.7340973	4.742634	.8287352	1.897453	4.456783	.8003222	.8630766
#1	.1372121	-.077144	.1356106	.0807180	.0357849	87.89352	.9973821
#2	.1392401	-.070201	.1357883	.0837011	.0333862	87.89643	.9968835
#3	.1382999	-.073133	.1337669	.0814475	.0329753	86.68218	.9823069

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0075171	.0024533	47.43643	.1483741	.1121219	.2295855	176.4436
Stddev	.0001889	.0000693	.29748	.0007202	.0000378	.0008591	1.4485
%RSD	2.512412	2.825926	.6271182	.4854006	.0336955	.3741998	.8209404
#1	.0076394	.0023995	47.67923	.1490615	.1120833	.2304072	177.0300
#2	.0076123	.0024288	47.52545	.1484357	.1121237	.2286933	177.5070
#3	.0072996	.0025315	47.10460	.1476251	.1121587	.2296559	174.7938

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.772271	44.74268	.1516622	.0102404	1.642338	.2886165	.4788066
Stddev	.028366	.42410	.0008926	.0008591	.980258	.0092761	.0116564
%RSD	.7519598	.9478558	.5885591	8.389259	59.68672	3.213988	2.434479
#1	3.790888	44.95032	.1508220	.0101498	1.459919	.2810330	.4657756
#2	3.786301	45.02294	.1515654	.0111412	2.700992	.2989591	.4882406
#3	3.739624	44.25477	.1525993	.0094301	.766104	.2858574	.4824035

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.99973	7.937841	.0438251	.0011054	1.192444	2.165296	.0071875
Stddev	.18578	.008962	.0016456	.0005929	.006060	.026046	.0005997
%RSD	1.429129	.1128977	3.754816	53.63366	.5082337	1.202902	8.343068
#1	13.20262	7.933227	.0457240	.0017515	1.185684	2.181628	.0077561
#2	12.95862	7.932126	.0429329	.0009784	1.194255	2.179001	.0072453
#3	12.83794	7.948169	.0428183	.0005863	1.197392	2.135258	.0065610

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-07DLX2 Acquired: 12/21/2024 4:39:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZL5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7069916	.0762860	.0681334
Stddev	.0097398	.0004797	.0028958
%RSD	1.377640	.6287611	4.250224
#1	.7154341	.0763978	.0712461
#2	.7092052	.0766999	.0676349
#3	.6963355	.0757604	.0655191

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2048.189	25156.79	2612.406	1743.391	2096.022
Stddev	3.634	81.47	33.902	8.114	4.482
%RSD	.1774168	.3238654	1.297746	.4654259	.2138460
#1	2048.847	25125.66	2589.222	1740.162	2094.971
#2	2051.448	25095.46	2596.679	1737.388	2100.937
#3	2044.271	25249.24	2651.315	1752.622	2092.159

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-08DLX2 Acquired: 12/21/2024 4:43:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZL6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1290458	-.078389	.2353632	.0867722	.0362715	82.18024	1.001122
Stddev	.0029977	.001424	.0006426	.0040571	.0004002	1.76835	.019605
%RSD	2.322959	1.816094	.2730070	4.675557	1.103235	2.151791	1.958311
#1	.1323427	-.078299	.2361034	.0842111	.0367268	83.29390	1.012052
#2	.1264841	-.077013	.2349486	.0846556	.0361120	80.14123	.978489
#3	.1283105	-.079856	.2350376	.0914499	.0359757	83.10560	1.012826

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0078539	.0042379	40.01201	.1391232	.1105448	.3721791	188.5785
Stddev	.0002287	.0001251	.91150	.0014747	.0004233	.0118455	4.0263
%RSD	2.912077	2.951774	2.278057	1.059999	.3829060	3.182737	2.135062
#1	.0081178	.0041234	40.63617	.1375269	.1104197	.3733053	191.4162
#2	.0077282	.0042189	38.96600	.1404347	.1110165	.3598107	183.9703
#3	.0077155	.0043714	40.43384	.1394079	.1101982	.3834212	190.3489

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.795437	43.41460	.1593656	.0109739	1.366026	.2734680	.6268489
Stddev	.077865	1.15434	.0012119	.0011773	.330550	.0052217	.0037785
%RSD	2.051544	2.658869	.7604532	10.72801	24.19794	1.909452	.6027827
#1	3.848136	44.18738	.1585570	.0108740	.990714	.2749917	.6240781
#2	3.706000	42.08767	.1587807	.0098498	1.493526	.2676539	.6311531
#3	3.832177	43.96874	.1607590	.0121980	1.613840	.2777584	.6253154

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.17748	6.537578	.0440106	.0014117	.6506308	1.059697	.0238485
Stddev	.22910	.014047	.0040855	.0006151	.0010840	.020461	.0013926
%RSD	2.251076	.2148732	9.282886	43.57399	.1666119	1.930811	5.839202
#1	10.30880	6.526202	.0408603	.0019164	.6516663	1.075342	.0225792
#2	9.91294	6.533252	.0425446	.0015921	.6507220	1.036542	.0236283
#3	10.31070	6.553280	.0486267	.0007265	.6495040	1.067205	.0253381

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-08DLX2 Acquired: 12/21/2024 4:43:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZL6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7924805	.0518663	.0644349
Stddev	.0127096	.0016975	.0034887
%RSD	1.603780	3.272884	5.414315
#1	.7987018	.0530949	.0674349
#2	.7778587	.0499293	.0606066
#3	.8008809	.0525748	.0652632

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2061.021	25303.67	2650.689	1748.970	2114.943
Stddev	4.013	133.32	69.307	12.648	5.123
%RSD	.1946968	.5268626	2.614666	.7231798	.2422192
#1	2065.285	25350.45	2606.756	1747.908	2120.049
#2	2060.459	25407.29	2730.585	1762.116	2114.976
#3	2057.318	25153.27	2614.725	1736.887	2109.804

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-09DLX2 Acquired: 12/21/2024 4:47:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZL7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1745462	-.065756	.1805274	.0764423	.0290940	69.63878	.7774074
Stddev	.0039097	.002356	.0026080	.0036011	.0021370	.73322	.0088707
%RSD	2.239899	3.582835	1.444647	4.710915	7.345218	1.052884	1.141064
#1	.1782771	-.068025	.1776837	.0755042	.0315613	69.12911	.7711382
#2	.1704795	-.063322	.1810910	.0734031	.0278965	69.30814	.7735267
#3	.1748821	-.065921	.1828076	.0804197	.0278243	70.47909	.7875571

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066757	.0027643	30.29230	.0892400	.1144181	.2122542	158.7458
Stddev	.0002964	.0001599	.38062	.0011783	.0004966	.0144139	1.6251
%RSD	4.439598	5.783200	1.256483	1.320399	.4339766	6.790864	1.023707
#1	.0063524	.0025797	30.10696	.0905266	.1148723	.2005625	157.5458
#2	.0067402	.0028595	30.03985	.0889800	.1144940	.2078415	158.0965
#3	.0069345	.0028537	30.73009	.0882134	.1138880	.2283586	160.5952

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.962432	31.28885	.1003634	.0098174	1.309899	.2622557	.5129237
Stddev	.024107	.45083	.0008317	.0010684	.746828	.0105965	.0026294
%RSD	.8137486	1.440857	.8286832	10.88288	57.01418	4.040510	.5126287
#1	2.947841	30.93834	.1005208	.0086274	1.194775	.2688238	.5102097
#2	2.949197	31.13078	.0994642	.0106943	2.107604	.2679120	.5154594
#3	2.990257	31.79743	.1011050	.0101305	.627317	.2500313	.5131019

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.02632	4.727373	.0518281	.0008326	1.055806	1.859452	.0040984
Stddev	.20102	.011144	.0020586	.0005088	.005352	.011734	.0008179
%RSD	1.337815	.2357358	3.972026	61.11591	.5069351	.6310244	19.95677
#1	14.90804	4.714675	.0507196	.0003031	1.052076	1.853339	.0036657
#2	14.91250	4.731917	.0505612	.0013179	1.053404	1.852037	.0035878
#3	15.25843	4.735527	.0542034	.0008767	1.061939	1.872980	.0050418

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-09DLX2 Acquired: 12/21/2024 4:47:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZL7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7823535	.0134474	.0510255
Stddev	.0066040	.0002620	.0033120
%RSD	.8441221	1.948341	6.490793
#1	.7789459	.0137313	.0484347
#2	.7781494	.0132150	.0498848
#3	.7899653	.0133959	.0547571

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2043.760	25033.49	2575.841	1732.624	2129.772
Stddev	2.580	195.21	17.507	10.869	1.193
%RSD	.1262249	.7797811	.6796716	.6273148	.0560268
#1	2045.211	24809.82	2582.860	1720.328	2129.602
#2	2040.781	25121.12	2588.749	1736.590	2128.672
#3	2045.287	25169.52	2555.913	1740.952	2131.041

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-10DLX2 Acquired: 12/21/2024 4:51:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZL8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1792482	-.073771	.1672674	.0805231	.0316893	86.04613	1.244172
Stddev	.0032514	.002187	.0033583	.0038113	.0002694	.63173	.005173
%RSD	1.813931	2.964377	2.007753	4.733136	.8500411	.7341737	.4158036
#1	.1827389	-.072278	.1654688	.0761320	.0313786	85.36094	1.238296
#2	.1763056	-.072755	.1711420	.0829720	.0318568	86.60545	1.248043
#3	.1787003	-.076281	.1651915	.0824655	.0318326	86.17200	1.246177

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0077811	.0032013	51.47906	.1126876	.1107111	.2550517	180.3791
Stddev	.0000706	.0001518	.49332	.0008231	.0002776	.0051464	1.0995
%RSD	.9072693	4.743165	.9582943	.7304117	.2507449	2.017769	.6095282
#1	.0077026	.0033096	50.95858	.1118643	.1104056	.2556244	179.2343
#2	.0078012	.0030277	51.93978	.1126880	.1109478	.2496430	181.4268
#3	.0078394	.0032666	51.53883	.1135104	.1107801	.2598878	180.4762

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.912069	40.36427	.1450129	.0109595	1.888176	.2763106	.5080454
Stddev	.033807	.27583	.0004169	.0004830	.418322	.0116500	.0045128
%RSD	.6882384	.6833451	.2874791	4.406902	22.15480	4.216266	.8882752
#1	4.877199	40.09987	.1446328	.0107273	1.808306	.2649150	.5066411
#2	4.944701	40.65026	.1454587	.0115147	2.340674	.2881993	.5044017
#3	4.914308	40.34269	.1449473	.0106365	1.515547	.2758175	.5130934

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.82804	7.159187	.0640396	.0079370	1.854763	1.121455	.0060908
Stddev	.13546	.022115	.0015875	.0002965	.007112	.003571	.0020122
%RSD	.6831966	.3089098	2.478886	3.735082	.3834487	.3184159	33.03691
#1	19.69784	7.153618	.0623772	.0080375	1.860862	1.117607	.0055267
#2	19.81806	7.140389	.0642020	.0081702	1.846951	1.124663	.0044208
#3	19.96822	7.183555	.0655396	.0076034	1.856475	1.122093	.0083248

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-10DLX2 Acquired: 12/21/2024 4:51:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZL8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7941196	.1275136	.0664182
Stddev	.0057028	.0013562	.0024391
%RSD	.7181308	1.063553	3.672378
#1	.7875391	.1259898	.0654664
#2	.7976201	.1285881	.0645985
#3	.7971997	.1279629	.0691897

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2080.841	25594.49	2651.260	1781.002	2104.337
Stddev	6.854	27.65	11.751	5.982	7.970
%RSD	.3293650	.1080191	.4432227	.3358682	.3787436
#1	2088.228	25595.90	2663.832	1783.197	2108.436
#2	2079.606	25621.41	2640.554	1785.575	2109.423
#3	2074.689	25566.17	2649.393	1774.232	2095.151

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-11DLX2 Acquired: 12/21/2024 4:55:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZL9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1797623	-.069032	.2115385	.0731854	.0283712	69.31875	.9098076
Stddev	.0013604	.004003	.0036282	.0023852	.0007395	.14938	.0021515
%RSD	.7567614	5.798777	1.715163	3.259091	2.606380	.2154930	.2364798
#1	.1782815	-.072667	.2111223	.0707680	.0288774	69.28829	.9093077
#2	.1800486	-.069686	.2153569	.0732513	.0287137	69.48101	.9121650
#3	.1809567	-.064742	.2081364	.0755370	.0275226	69.18695	.9079500

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0068820	.0022875	54.86555	.1049215	.0946772	.2650684	166.9512
Stddev	.0001748	.0000325	.10978	.0008324	.0002849	.0089620	.4863
%RSD	2.540013	1.419496	.2000937	.7933129	.3009154	3.381012	.2912670
#1	.0069100	.0022536	54.82987	.1051978	.0944265	.2744114	166.4971
#2	.0070412	.0023183	54.98873	.1039862	.0946181	.2642502	167.4643
#3	.0066949	.0022907	54.77804	.1055806	.0949870	.2565435	166.8924

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.223162	37.38752	.1067653	.0106051	2.630362	.2746460	.7808108
Stddev	.017793	.19553	.0001976	.0009476	.513812	.0025243	.0111171
%RSD	.5520455	.5229942	.1851004	8.935589	19.53389	.9191257	1.423791
#1	3.210524	37.31206	.1069797	.0095287	2.143232	.2737057	.7827340
#2	3.243510	37.60954	.1065904	.0113134	2.580615	.2775055	.7688575
#3	3.215452	37.24095	.1067258	.0109733	3.167237	.2727267	.7908408

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.82862	6.614023	.1612958	.0027953	3.325974	2.170121	.0075006
Stddev	.24067	.010575	.0033934	.0003799	.007235	.017912	.0007436
%RSD	1.213758	.1598834	2.103811	13.59256	.2175261	.8254136	9.914283
#1	19.58607	6.604100	.1574238	.0031938	3.329723	2.183679	.0066860
#2	20.06737	6.612823	.1637519	.0024371	3.317634	2.176870	.0076727
#3	19.83242	6.625147	.1627116	.0027549	3.330565	2.149814	.0081430

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-11DLX2 Acquired: 12/21/2024 4:55:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZL9 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8516799	.2774914	.0615613
Stddev	.0027364	.0004559	.0058124
%RSD	.3212950	.1643075	9.441632
#1	.8492068	.2770642	.0548929
#2	.8546196	.2779715	.0655539
#3	.8512134	.2774386	.0642372

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2027.216	25101.49	2599.016	1733.653	2102.277
Stddev	4.836	121.07	13.778	8.277	4.383
%RSD	.2385516	.4823229	.5301389	.4774120	.2084886
#1	2027.662	25027.36	2585.393	1725.644	2103.416
#2	2022.173	25241.21	2598.710	1742.173	2097.437
#3	2031.814	25035.91	2612.945	1733.142	2105.979

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV088 Acquired: 12/21/2024 4:59:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV088 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.764814	4.671698	24.24814	4.698389	4.731473	397.4808	10.02763
Stddev	.005062	.006526	.00183	.006260	.011891	1.4244	.03335
%RSD	.1062319	.1396927	.0075607	.1332428	.2513112	.3583567	.3325386
#1	4.761557	4.678051	24.24616	4.705616	4.742393	395.9670	9.99421
#2	4.770645	4.665012	24.24849	4.694622	4.718805	397.6807	10.02779
#3	4.762239	4.672031	24.24978	4.694931	4.733221	398.7946	10.06090

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4982651	2.440736	397.8668	15.14097	2.451088	14.76970	398.5231
Stddev	.0013107	.000616	1.3410	.08094	.001233	.02824	.9748
%RSD	.2630500	.0252450	.3370512	.5345714	.0502853	.1912066	.2446091
#1	.4989157	2.440045	396.5101	15.05398	2.451926	14.73917	397.4738
#2	.4991231	2.441230	397.8986	15.15485	2.451666	14.77506	398.6950
#3	.4967564	2.440931	399.1916	15.21407	2.449673	14.79488	399.4005

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.69011	393.5464	2.454750	1.258140	395.5078	2.452463	14.48437
Stddev	.04266	1.0650	.002504	.007882	.8653	.009228	.20696
%RSD	.2904215	.2706186	.1020146	.6264673	.2187909	.3762843	1.428829
#1	14.64141	392.5600	2.452068	1.249065	394.5130	2.442111	14.24555
#2	14.70801	393.4036	2.457026	1.263273	395.9243	2.455451	14.59639
#3	14.72091	394.6756	2.455157	1.262082	396.0861	2.459827	14.61117

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	148.1351	4.832393	4.855960	4.695574	4.809379	4.852748	4.855475
Stddev	.3093	.010310	.010890	.002787	.014862	.010753	.005457
%RSD	.2087846	.2133468	.2242509	.0593631	.3090115	.2215826	.1123814
#1	147.8567	4.823738	4.865389	4.695777	4.798448	4.853935	4.849691
#2	148.0806	4.843799	4.858449	4.692691	4.826301	4.862858	4.856203
#3	148.4680	4.829643	4.844041	4.698255	4.803388	4.841451	4.860532

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV088 Acquired: 12/21/2024 4:59:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV088 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	4.870081	4.743074	5.047751
Stddev	.022962	.017509	.018008
%RSD	.4714904	.3691457	.3567531
#1	4.843810	4.722860	5.030137
#2	4.880114	4.752841	5.046989
#3	4.886319	4.753520	5.066128

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1528.044	20334.38	2234.605	1293.515	1748.271
Stddev	3.356	92.91	7.609	10.054	2.241
%RSD	.2196104	.4568924	.3405132	.7772414	.1281943
#1	1525.948	20430.02	2225.927	1304.856	1746.070
#2	1531.914	20328.64	2237.755	1285.696	1750.550
#3	1526.269	20244.47	2240.133	1289.993	1748.192

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCB088 Acquired: 12/21/2024 5:02:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB088 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049830	.0018352	.0040993	.0014576	-.003076	.0226202
Stddev	.0030109	.0030487	.0012085	.0018791	.001968	.0099218
%RSD	60.42326	166.1287	29.47962	128.9128	63.96133	43.86241
#1	.0064384	.0043398	.0046036	.0034950	-.004392	.0245268
#2	.0015209	.0027252	.0049739	.0010855	-.004023	.0118835
#3	.0069897	-.001560	.0027203	-.000208	-.000814	.0314502

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016190	.0001162	.0003547	.0320845	.0012392	.0004807
Stddev	.0004624	.0001662	.0000511	.0169391	.0004261	.0002100
%RSD	28.56330	143.1121	14.41529	52.79539	34.38511	43.68342
#1	.0013817	.0003077	.0004124	.0152109	.0009278	.0002798
#2	.0013234	.0000101	.0003151	.0319542	.0017248	.0006987
#3	.0021519	.0000307	.0003365	.0490884	.0010650	.0004635

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026392	.0052426	-.000221	.1038388	.0001334	.0011265
Stddev	.0013048	.0202076	.001497	.0527975	.0006076	.0014368
%RSD	49.43868	385.4519	676.9844	50.84562	455.3709	127.5454
#1	.0011531	-.017424	.000169	.1644509	.0007407	-.000516
#2	.0031677	.021372	.001042	.0678583	.0001340	.001744
#3	.0035968	.011780	-.001874	.0792071	-.000474	.002152

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9530816	-.000460	.0034971	-.147667	-.002321	.0141575
Stddev	1.048494	.005354	.0045598	.123700	.000988	.0031259
%RSD	110.0109	1163.419	130.3874	83.76927	42.57203	22.07951
#1	-.138510	-.005046	-.000172	-.207961	-.001190	.0177440
#2	1.045379	-.001758	.002061	-.229659	-.003019	.0120123
#3	1.952376	.005423	.008602	-.005381	-.002753	.0127162

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCB088 Acquired: 12/21/2024 5:02:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB088 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003791	-.003939	-.003458	F -.011305	.0020223	.0007345
Stddev	.0003781	.000505	.000265	.000564	.0037859	.0001355
%RSD	99.73430	12.82746	7.651406	4.988266	187.2045	18.45585
#1	.0004333	-.003892	-.003189	-.010898	-.001041	.0006911
#2	-.000023	-.003458	-.003468	-.011949	.006255	.0006259
#3	.000727	-.004465	-.003718	-.011069	.000853	.0008864

Elem	Li6707
Units	ppm
Avg	F .0284378
Stddev	.0025647
%RSD	9.018573
#1	.0266707
#2	.0272633
#3	.0313794

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1827.839	22613.15	2299.537	1562.034	2155.425
Stddev	1.377	18.36	11.403	2.032	2.398
%RSD	.0753314	.0811929	.4958632	.1300560	.1112753
#1	1826.930	22594.72	2298.709	1563.437	2156.999
#2	1827.163	22613.27	2311.331	1559.705	2152.665
#3	1829.423	22631.44	2288.571	1562.961	2156.613

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-12DLX2 Acquired: 12/21/2024 5:06:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1425972	-.063842	.1147363	.0760624	.0270303	86.42401	.9827055
Stddev	.0016144	.000590	.0023955	.0033037	.0010565	.42001	.0063630
%RSD	1.132133	.9236859	2.087821	4.343478	3.908389	.4859868	.6474981
#1	.1414081	-.064304	.1165152	.0760386	.0277569	86.90499	.9898248
#2	.1419484	-.063178	.1156812	.0727706	.0258184	86.12967	.9775729
#3	.1444350	-.064045	.1120124	.0793780	.0275156	86.23736	.9807187

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071612	.0020800	45.57326	.1196325	.1067530	.1867692	164.5646
Stddev	.0000693	.0000456	.29686	.0011753	.0005647	.0025800	1.0714
%RSD	.9677764	2.192295	.6513893	.9824238	.5290038	1.381369	.6510741
#1	.0070857	.0020431	45.91591	.1208876	.1072709	.1884371	165.7115
#2	.0071759	.0021310	45.39372	.1194521	.1061509	.1880729	163.5893
#3	.0072220	.0020660	45.41015	.1185578	.1068372	.1837975	164.3929

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.556278	39.78233	.1289396	.0098257	1.365428	.2667538	.3983866
Stddev	.023589	.26189	.0004177	.0008368	1.333096	.0052953	.0060836
%RSD	.6632999	.6583113	.3239247	8.516700	97.63208	1.985102	1.527049
#1	3.583418	40.02435	.1289104	.0093747	1.040789	.2615590	.4053379
#2	3.540708	39.50430	.1285372	.0093111	2.830859	.2721442	.3940336
#3	3.544708	39.81835	.1293711	.0107913	.224635	.2665582	.3957883

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.64165	5.145538	.0596827	.0009662	1.206970	1.616291	.0050668
Stddev	.06973	.010068	.0014080	.0002437	.006662	.004346	.0007028
%RSD	.4762526	.1956550	2.359120	25.22740	.5519690	.2688802	13.87120
#1	14.64527	5.134708	.0608457	.0006874	1.203531	1.620265	.0053793
#2	14.57017	5.147294	.0600851	.0010722	1.202729	1.611650	.0055592
#3	14.70950	5.154612	.0581173	.0011390	1.214648	1.616957	.0042619

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-12DLX2 Acquired: 12/21/2024 5:06:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7073425	.0855349	.0669331
Stddev	.0077914	.0001965	.0032906
%RSD	1.101503	.2297017	4.916285
#1	.7163088	.0856699	.0699606
#2	.7022191	.0856252	.0634310
#3	.7034996	.0853095	.0674078

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2081.203	25560.56	2675.200	1766.755	2111.424
Stddev	2.335	136.19	12.093	7.025	1.251
%RSD	.1121808	.5328296	.4520265	.3976317	.0592355
#1	2083.759	25539.84	2661.831	1761.830	2112.773
#2	2079.182	25435.91	2678.395	1763.636	2111.195
#3	2080.668	25705.92	2685.375	1774.800	2110.304

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-13DLX2 Acquired: 12/21/2024 5:10:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1418895	-.065369	.1303975	.0758203	.0277691	71.87687	.8357154
Stddev	.0036596	.003780	.0026412	.0029127	.0026496	.15222	.0015057
%RSD	2.579205	5.782798	2.025461	3.841536	9.541612	.2117730	.1801715
#1	.1452954	-.064168	.1318463	.0756718	.0290814	71.70215	.8342974
#2	.1380203	-.069603	.1273490	.0788044	.0295065	71.98083	.8355531
#3	.1423529	-.062335	.1319972	.0729848	.0247194	71.94762	.8372956

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0068436	.0020906	43.11955	.0975929	.0890160	.1630372	157.2711
Stddev	.0000330	.0000181	.15310	.0008816	.0001674	.0027732	.3080
%RSD	.4825410	.8656713	.3550510	.9033675	.1880410	1.700958	.1958310
#1	.0068174	.0020700	42.96286	.0982274	.0888906	.1612476	156.9931
#2	.0068327	.0020984	43.26877	.0979649	.0892061	.1662317	157.6022
#3	.0068807	.0021036	43.12703	.0965862	.0889515	.1616324	157.2179

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.840127	33.07704	.1044065	.0085928	1.211553	.2482905	.4489129
Stddev	.010637	.08769	.0014673	.0005901	.394786	.0039305	.0050800
%RSD	.3745248	.2651026	1.405350	6.867713	32.58510	1.583041	1.131632
#1	2.827845	32.98142	.1035285	.0088819	1.472819	.2437723	.4479382
#2	2.846379	33.09603	.1035906	.0089827	1.404434	.2501776	.4443908
#3	2.846156	33.15368	.1061004	.0079139	.757407	.2509216	.4544096

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.32126	5.237786	.0559392	.0011523	1.213101	1.097997	.0047205
Stddev	.11881	.012976	.0020194	.0001613	.001493	.000684	.0009637
%RSD	.7279166	.2477428	3.610043	13.99683	.1230554	.0623084	20.41525
#1	16.19473	5.241131	.0552881	.0012673	1.214741	1.098750	.0039222
#2	16.43044	5.223465	.0543257	.0012216	1.212741	1.097824	.0044483
#3	16.33862	5.248762	.0582039	.0009679	1.211821	1.097415	.0057910

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-13DLX2 Acquired: 12/21/2024 5:10:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6791530	.0829379	.0555380
Stddev	.0027823	.0005895	.0005775
%RSD	.4096715	.7108325	1.039808
#1	.6761972	.0823690	.0561887
#2	.6795406	.0835462	.0553386
#3	.6817211	.0828984	.0550865

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2061.011	25403.73	2619.243	1756.559	2136.693
Stddev	2.511	73.70	8.581	5.291	4.964
%RSD	.1218298	.2900999	.3276137	.3012052	.2323016
#1	2063.875	25455.10	2613.945	1758.611	2140.469
#2	2059.971	25436.80	2629.143	1760.517	2138.540
#3	2059.187	25319.29	2614.640	1750.550	2131.071

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-14DLX2 Acquired: 12/21/2024 5:14:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2321953	-.086613	.2237235	.0962891	.0374268	64.81988	.7668222
Stddev	.0015984	.003130	.0031031	.0020526	.0022775	.47456	.0070682
%RSD	.6883752	3.613643	1.387001	2.131713	6.085304	.7321168	.9217544
#1	.2320841	-.088203	.2237551	.0949878	.0364250	64.32439	.7606429
#2	.2338463	-.083008	.2206048	.0952241	.0358219	65.27029	.7745294
#3	.2306554	-.088629	.2268106	.0986553	.0400335	64.86494	.7652943

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0068491	.0031570	53.29122	.1865736	.1215790	.4679324	202.5319
Stddev	.0001362	.0000232	.27666	.0003154	.0002872	.0077878	1.6510
%RSD	1.988326	.7366098	.5191457	.1690268	.2362296	1.664302	.8151824
#1	.0067036	.0031430	52.99516	.1864947	.1219081	.4699089	200.6385
#2	.0069735	.0031441	53.54317	.1869209	.1214495	.4745415	203.6708
#3	.0068702	.0031838	53.33534	.1863052	.1213793	.4593468	203.2866

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.558045	38.14477	.1600472	.0107418	1.676043	.5168143	.5699790
Stddev	.029334	.16451	.0003937	.0002564	.853924	.0076192	.0147030
%RSD	.8244554	.4312822	.2460004	2.387305	50.94883	1.474269	2.579572
#1	3.526237	37.98269	.1597398	.0104528	.861080	.5146827	.5540194
#2	3.584034	38.31161	.1599107	.0108302	1.602834	.5104879	.5729441
#3	3.563865	38.14001	.1604909	.0109423	2.564215	.5252723	.5829734

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.611356	4.636393	.0483805	.0014268	.8466311	1.009974	.0089573
Stddev	.099011	.005096	.0030381	.0007669	.0069017	.004057	.0001844
%RSD	1.030142	.1099087	6.279566	53.74719	.8152013	.4016926	2.059147
#1	9.636790	4.634979	.0456041	.0005490	.8388068	1.009370	.0091363
#2	9.695169	4.632154	.0479117	.0017653	.8518546	1.014299	.0087678
#3	9.502110	4.642047	.0516257	.0019663	.8492318	1.006253	.0089678

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-14DLX2 Acquired: 12/21/2024 5:14:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.113426	.0193286	.0493980
Stddev	.016897	.0001509	.0041085
%RSD	.7995218	.7804961	8.317169
#1	2.095066	.0192144	.0495166
#2	2.128323	.0194996	.0534459
#3	2.116890	.0192717	.0452314

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1957.516	24275.38	2491.780	1675.477	2098.375
Stddev	3.452	58.22	15.114	1.898	4.289
%RSD	.1763699	.2398345	.6065356	.1132876	.2044137
#1	1961.308	24332.48	2493.650	1676.904	2103.326
#2	1954.556	24216.10	2475.818	1676.203	2096.012
#3	1956.682	24277.58	2505.871	1673.323	2095.787

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-15DLX2 Acquired: 12/21/2024 5:18:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2105843	-.131954	.1036040	.1458706	.0618068	113.6947	.5797912
Stddev	.0025757	.003622	.0004371	.0038137	.0037482	1.9337	.0097453
%RSD	1.223120	2.744851	.4219320	2.614419	6.064341	1.700751	1.680829
#1	.2076104	-.131488	.1033777	.1488058	.0587984	113.7337	.5774126
#2	.2121065	-.135787	.1033265	.1472460	.0660056	115.6086	.5905056
#3	.2120359	-.128588	.1041079	.1415600	.0606165	111.7418	.5714554

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0083377	.0024887	41.41019	.2970012	.1854653	.4816592	288.5069
Stddev	.0001916	.0001877	.80952	.0052092	.0005413	.0162640	5.1442
%RSD	2.297763	7.542638	1.954880	1.753932	.2918702	3.376665	1.783053
#1	.0084992	.0023270	41.56448	.2947342	.1849199	.4943581	288.3841
#2	.0083877	.0024445	42.13146	.2933096	.1854733	.4872920	293.7115
#3	.0081260	.0026945	40.53463	.3029598	.1860025	.4633276	283.4252

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.896734	75.71271	.2349122	.0156872	1.414691	.6617947	.3442792
Stddev	.099358	1.31818	.0015885	.0004196	.568225	.0184932	.0108592
%RSD	1.684973	1.741024	.6762270	2.675021	40.16598	2.794401	3.154178
#1	5.897040	75.55683	.2338614	.0157660	.760481	.6590772	.3435502
#2	5.995939	77.10189	.2341356	.0160619	1.785224	.6814963	.3338030
#3	5.797223	74.47940	.2367396	.0152338	1.698369	.6448106	.3554846

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.57939	5.494595	.0616974	.0005183	.6915116	.7993791	.0136974
Stddev	.40161	.024269	.0067404	.0001772	.0015069	.0116871	.0006925
%RSD	1.703243	.4416801	10.92499	34.18300	.2179089	1.462018	5.055496
#1	23.54664	5.468246	.0595654	.0003856	.6932497	.8022082	.0132136
#2	23.99638	5.499507	.0692460	.0007195	.6905726	.8093919	.0144906
#3	23.19516	5.516032	.0562808	.0004498	.6907125	.7865372	.0133880

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-15DLX2 Acquired: 12/21/2024 5:18:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.982428	-.143335	.0686077
Stddev	.031460	.002738	.0018304
%RSD	1.586960	1.910181	2.667979
#1	1.978646	-.142952	.0671359
#2	2.015608	-.146244	.0706573
#3	1.953029	-.140809	.0680300

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1975.378	24037.39	2484.908	1662.397	2070.367
Stddev	9.750	314.18	40.441	23.997	10.662
%RSD	.4935520	1.307042	1.627454	1.443518	.5149585
#1	1986.628	24237.04	2466.717	1675.605	2082.674
#2	1969.407	24199.90	2456.757	1676.890	2063.932
#3	1970.097	23675.24	2531.249	1634.698	2064.496

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-16DLX2 Acquired: 12/21/2024 5:22:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2191052	-.133953	.0906584	.1453285	.0633662	121.6131	.4107508
Stddev	.0027831	.001314	.0022650	.0003636	.0004202	.8572	.0027771
%RSD	1.270215	.9810501	2.498346	.2502240	.6630746	.7048718	.6760900
#1	.2222952	-.134017	.0893387	.1455829	.0631329	120.6774	.4082918
#2	.2171734	-.135233	.0893628	.1454907	.0638512	121.8012	.4101980
#3	.2178469	-.132607	.0932737	.1449120	.0631145	122.3606	.4137627

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0078794	.0026174	50.19378	.3448855	.2322722	.6122734	301.5330
Stddev	.0001662	.0000677	.24895	.0021500	.0004847	.0090062	1.6043
%RSD	2.108612	2.586159	.4959745	.6233935	.2086987	1.470951	.5320436
#1	.0080050	.0026486	49.97866	.3452032	.2317568	.6046523	300.2044
#2	.0079422	.0026639	50.13620	.3425944	.2323407	.6099561	301.0791
#3	.0076910	.0025397	50.46647	.3468590	.2327190	.6222119	303.3152

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.073771	88.78435	.2796811	.0167447	1.188203	.7237944	.2967759
Stddev	.050776	.55510	.0006173	.0003904	.724574	.0101524	.0058442
%RSD	.7178070	.6252222	.2207062	2.331629	60.98063	1.402662	1.969226
#1	7.044779	88.34214	.2803873	.0162939	.391818	.7121399	.3034982
#2	7.044133	88.60363	.2794117	.0169655	1.364281	.7307172	.2939277
#3	7.132401	89.40729	.2792443	.0169747	1.808510	.7285262	.2929020

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.78338	4.222070	.0643056	.0007094	.6096369	1.183777	.0153136
Stddev	.09461	.011071	.0053396	.0007970	.0046924	.007784	.0017625
%RSD	.5636971	.2622151	8.303513	112.3431	.7696983	.6575259	11.50931
#1	16.69342	4.209486	.0694229	-.000206	.6046710	1.174870	.0132824
#2	16.77470	4.226409	.0587685	.001088	.6102426	1.187190	.0164385
#3	16.88204	4.230314	.0647256	.001246	.6139969	1.189272	.0162199

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-16DLX2 Acquired: 12/21/2024 5:22:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.905042	-.173541	.0658821
Stddev	.014506	.000635	.0029744
%RSD	.7614328	.3657625	4.514728
#1	1.895879	-.173283	.0677241
#2	1.897481	-.173076	.0624507
#3	1.921766	-.174264	.0674715

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1958.431	24150.20	2508.831	1672.685	2065.038
Stddev	3.619	132.17	9.190	4.795	3.216
%RSD	.1847675	.5472709	.3663019	.2866388	.1557388
#1	1955.686	24211.62	2515.133	1677.629	2061.849
#2	1957.076	24240.47	2513.073	1672.371	2064.985
#3	1962.532	23998.49	2498.286	1668.055	2068.281

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-17DLX2 Acquired: 12/21/2024 5:25:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1520806	-.086203	.1573240	.0913390	.0371055	68.22639	.7771031
Stddev	.0042299	.002334	.0024508	.0024126	.0011656	.28451	.0033979
%RSD	2.781323	2.707158	1.557796	2.641373	3.141202	.4170121	.4372584
#1	.1495374	-.085172	.1545209	.0930326	.0377921	67.90418	.7732477
#2	.1497410	-.084563	.1583894	.0885766	.0377646	68.44303	.7796618
#3	.1569634	-.088875	.1590619	.0924078	.0357597	68.33196	.7783997

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0068601	.0026345	57.40485	.1781987	.1233580	.2716253	200.6170
Stddev	.0000941	.0001288	.27636	.0005849	.0005029	.0012941	.6358
%RSD	1.371820	4.890477	.4814201	.3282107	.4077063	.4764317	.3169069
#1	.0069545	.0027098	57.11157	.1776112	.1233385	.2730943	200.0327
#2	.0067663	.0024857	57.66042	.1787809	.1238704	.2711279	201.2940
#3	.0068594	.0027080	57.44257	.1782040	.1228651	.2706536	200.5242

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.831809	39.93233	.1654679	.0115371	1.630509	.4876142	.4660772
Stddev	.014013	.03131	.0011069	.0010934	.367228	.0119516	.0090979
%RSD	.3657112	.0783981	.6689763	9.477466	22.52232	2.451041	1.952013
#1	3.815636	39.90483	.1651073	.0105447	1.206912	.4780046	.4751417
#2	3.840332	39.96640	.1667102	.0113573	1.859069	.5009970	.4569462
#3	3.839460	39.92577	.1645863	.0127093	1.825546	.4838408	.4661437

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.33211	5.630184	.0535086	.0013127	1.049850	.9407021	.0086354
Stddev	.19665	.004596	.0013956	.0006040	.006103	.0057610	.0019732
%RSD	1.204076	.0816358	2.608218	46.01581	.5813369	.6124169	22.85025
#1	16.12882	5.625254	.0524442	.0020062	1.049152	.9394687	.0107972
#2	16.52137	5.630947	.0529928	.0009016	1.044125	.9469799	.0081779
#3	16.34616	5.634352	.0550887	.0010302	1.056272	.9356577	.0069312

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-17DLX2 Acquired: 12/21/2024 5:25:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.934590	.0011815	.0561628
Stddev	.005574	.0001079	.0027617
%RSD	.2880998	9.135643	4.917378
#1	1.932340	.0012211	.0589789
#2	1.940937	.0010594	.0560508
#3	1.930493	.0012641	.0534588

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1991.065	24522.40	2537.150	1688.728	2109.961
Stddev	2.693	69.17	8.415	7.060	1.004
%RSD	.1352564	.2820624	.3316653	.4180662	.0475912
#1	1988.252	24443.07	2530.284	1682.458	2110.033
#2	1993.619	24570.06	2534.629	1687.351	2110.927
#3	1991.324	24554.07	2546.538	1696.375	2108.922

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-18DLX2 Acquired: 12/21/2024 5:29:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1463454	-.071728	.1481700	.0790318	.0318001	60.32557	.6755681
Stddev	.0002176	.002550	.0047847	.0051608	.0011136	.24784	.0051621
%RSD	.1487066	3.555705	3.229202	6.530012	3.501921	.4108400	.7641097
#1	.1465632	-.074540	.1484566	.0755391	.0307593	60.03972	.6698612
#2	.1463452	-.071080	.1432485	.0765968	.0329745	60.45653	.6769314
#3	.1461279	-.069564	.1528050	.0849596	.0316666	60.48047	.6799118

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0061977	.0024904	47.24568	.1591635	.1083624	.2489080	174.6547
Stddev	.0001013	.0000208	.15473	.0014212	.0003721	.0066983	.7585
%RSD	1.634878	.8346436	.3275040	.8929065	.3434196	2.691096	.4342637
#1	.0063146	.0025108	47.12922	.1606384	.1083919	.2560831	173.7835
#2	.0061438	.0024693	47.42125	.1590492	.1079764	.2478216	175.0131
#3	.0061348	.0024910	47.18655	.1578029	.1087190	.2428192	175.1676

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.274064	35.04142	.1398854	.0101032	1.897176	.4044659	.6681140
Stddev	.021006	.16788	.0005558	.0008728	.699282	.0069531	.0134081
%RSD	.6415870	.4790911	.3973329	8.638588	36.85910	1.719092	2.006851
#1	3.250011	34.85043	.1405230	.0091016	2.669077	.4077208	.6538228
#2	3.288798	35.10814	.1395033	.0105079	1.305989	.4091945	.6701026
#3	3.283384	35.16568	.1396299	.0107002	1.716462	.3964823	.6804167

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.50293	4.312219	.0409816	.0016718	.6470845	1.398119	.0049375
Stddev	.09450	.003627	.0023036	.0001619	.0020820	.008722	.0007648
%RSD	.8215696	.0841059	5.620938	9.681704	.3217535	.6238112	15.48991
#1	11.60571	4.310264	.0387609	.0015098	.6483920	1.405056	.0041954
#2	11.48327	4.309989	.0408239	.0016720	.6446836	1.400973	.0048939
#3	11.41980	4.316404	.0433599	.0018335	.6481779	1.388328	.0057231

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-18DLX2 Acquired: 12/21/2024 5:29:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.892869	-.003328	.0447039
Stddev	.012183	.000802	.0067708
%RSD	.6436518	24.08741	15.14593
#1	1.878867	-.003106	.0408910
#2	1.901056	-.002661	.0525214
#3	1.898684	-.004217	.0406993

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1971.935	24400.49	2523.307	1684.915	2118.778
Stddev	4.845	39.30	6.719	1.574	4.135
%RSD	.2456989	.1610459	.2662664	.0934307	.1951607
#1	1968.741	24442.61	2523.467	1686.552	2118.930
#2	1977.510	24394.04	2516.510	1684.783	2122.836
#3	1969.554	24364.82	2529.944	1683.411	2114.570

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-19DLX2 Acquired: 12/21/2024 5:33:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1467246	-.083548	.1216120	.0889978	.0364665	67.22903	.7093616
Stddev	.0036111	.001689	.0008540	.0022624	.0011064	.41970	.0068045
%RSD	2.461154	2.021465	.7022105	2.542118	3.034073	.6242905	.9592478
#1	.1433487	-.082393	.1206891	.0915935	.0377270	66.81987	.7018384
#2	.1505321	-.082764	.1223742	.0879547	.0360160	67.20867	.7111602
#3	.1462931	-.085486	.1217726	.0874450	.0356563	67.65854	.7150861

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065839	.0022398	49.25092	.1755806	.1180192	.2726199	194.9279
Stddev	.0001859	.0000387	.33498	.0003019	.0004943	.0122154	1.2223
%RSD	2.824275	1.727772	.6801574	.1719488	.4188368	4.480739	.6270455
#1	.0064007	.0022838	48.92272	.1757925	.1174775	.2665770	193.9048
#2	.0065785	.0022110	49.23773	.1757144	.1181343	.2866790	194.5974
#3	.0067725	.0022247	49.59230	.1752349	.1184458	.2646039	196.2814

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.629859	39.08262	.1571182	.0103730	1.484860	.4644798	.3676159
Stddev	.019607	.23188	.0016364	.0010699	.345566	.0073129	.0056576
%RSD	.5401457	.5933171	1.041501	10.31386	23.27265	1.574420	1.539003
#1	3.612441	38.95441	.1556927	.0095646	1.128795	.4561172	.3723984
#2	3.626043	38.94315	.1589051	.0099682	1.506913	.4696748	.3613705
#3	3.651093	39.35030	.1567570	.0115862	1.818872	.4676475	.3690786

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.26625	4.824850	.0477777	.0013614	.7376785	1.655774	.0093165
Stddev	.07830	.011808	.0019580	.0000950	.0029375	.013114	.0019653
%RSD	.5902055	.2447298	4.098056	6.976838	.3982102	.7920069	21.09489
#1	13.17790	4.816844	.0490175	.0014516	.7391847	1.649326	.0074424
#2	13.29383	4.819297	.0455205	.0013702	.7395574	1.647132	.0091453
#3	13.32703	4.838411	.0487952	.0012623	.7342934	1.670863	.0113619

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-19DLX2 Acquired: 12/21/2024 5:33:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.084890	-.009303	.0505289
Stddev	.022337	.000133	.0018870
%RSD	1.071378	1.426735	3.734432
#1	2.063165	-.009389	.0517864
#2	2.083713	-.009369	.0483592
#3	2.107793	-.009150	.0514412

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1980.270	24310.83	2518.782	1676.409	2113.244
Stddev	5.352	55.18	7.458	10.990	3.725
%RSD	.2702417	.2269844	.2960955	.6555482	.1762878
#1	1975.300	24247.37	2522.999	1663.724	2111.433
#2	1979.576	24337.55	2523.177	1683.052	2110.770
#3	1985.935	24347.56	2510.171	1682.452	2117.529

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-20DLX2 Acquired: 12/21/2024 5:37:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1679995	-.101653	.1423455	.1011042	.0415079	74.96434	.7335167
Stddev	.0053674	.001335	.0020190	.0010778	.0005269	.22282	.0015114
%RSD	3.194884	1.313210	1.418383	1.066029	1.269482	.2972338	.2060440
#1	.1630994	-.100298	.1417941	.0999146	.0421141	74.70987	.7319549
#2	.1671633	-.102967	.1445829	.1020157	.0411596	75.12450	.7336233
#3	.1737360	-.101695	.1406595	.1013824	.0412499	75.05863	.7349720

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0073409	.0024722	52.30980	.1956972	.1366285	.3066541	221.4847
Stddev	.0001620	.0000467	.21615	.0007782	.0003351	.0006122	.7137
%RSD	2.206265	1.890673	.4132185	.3976408	.2452774	.1996386	.3222200
#1	.0074042	.0024535	52.07502	.1956646	.1363235	.3066665	220.6931
#2	.0071569	.0024378	52.50055	.1949358	.1365748	.3072600	221.6821
#3	.0074617	.0025254	52.35384	.1964911	.1369872	.3060357	222.0788

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.008978	44.08978	.1756641	.0127721	1.475027	.5362171	.5064346
Stddev	.006311	.13786	.0012635	.0001396	.584959	.0042302	.0136219
%RSD	.1574216	.3126909	.7192932	1.092636	39.65751	.7888881	2.689768
#1	4.005133	43.97447	.1766808	.0126156	1.952102	.5361633	.5074769
#2	4.005540	44.05238	.1742495	.0128168	1.650588	.5320141	.5195054
#3	4.016262	44.24248	.1760620	.0128838	.822392	.5404739	.4923215

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.07966	5.057862	.0509303	.0012017	.6608353	1.267729	.0107566
Stddev	.12422	.005783	.0015349	.0005388	.0063137	.006423	.0007549
%RSD	.8822718	.1143304	3.013698	44.83622	.9554093	.5066700	7.017582
#1	14.08137	5.057614	.0508239	.0012702	.6536099	1.260385	.0099261
#2	14.20301	5.052208	.0494514	.0017029	.6652892	1.270503	.0109425
#3	13.95459	5.063765	.0525156	.0006319	.6636068	1.272299	.0114011

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-20DLX2 Acquired: 12/21/2024 5:37:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.224414	-.024801	.0560455
Stddev	.006947	.000380	.0046532
%RSD	.3122927	1.530907	8.302561
#1	2.223934	-.024388	.0543906
#2	2.217719	-.025135	.0612999
#3	2.231588	-.024879	.0524459

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1991.587	24558.73	2533.005	1701.508	2105.374
Stddev	2.603	63.06	7.499	6.871	2.401
%RSD	.1307022	.2567574	.2960414	.4038274	.1140310
#1	1989.831	24492.72	2540.519	1697.875	2102.644
#2	1990.351	24565.14	2525.522	1697.216	2107.157
#3	1994.577	24618.34	2532.975	1709.433	2106.320

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-21DLX2 Acquired: 12/21/2024 5:41:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM8D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1628456	-.093645	.1386592	.0984036	.0424165	73.31458	.7197557
Stddev	.0061291	.002529	.0010092	.0054683	.0010938	.41249	.0042240
%RSD	3.763730	2.700202	.7278332	5.557046	2.578835	.5626326	.5868619
#1	.1570062	-.094103	.1376274	.0966554	.0414930	73.01960	.7168439
#2	.1623025	-.090919	.1387060	.0940231	.0421320	73.13820	.7178230
#3	.1692282	-.095913	.1396442	.1045322	.0436245	73.78594	.7246003

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0072981	.0024752	51.28916	.1917734	.1339266	.2964315	216.7480
Stddev	.0000826	.0000538	.30058	.0008688	.0005326	.0103815	1.5329
%RSD	1.132014	2.173711	.5860557	.4530358	.3976758	3.502171	.7072169
#1	.0073391	.0025368	51.10551	.1927040	.1337160	.2996663	215.9300
#2	.0073523	.0024514	51.12592	.1909836	.1335316	.2848176	215.7976
#3	.0072030	.0024374	51.63604	.1916327	.1345323	.3048105	218.5163

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.929259	43.13246	.1732591	.0114511	1.652077	.5256518	.4859715
Stddev	.025209	.27475	.0007864	.0005514	.075286	.0093144	.0110107
%RSD	.6415650	.6369958	.4539012	4.815605	4.557030	1.771976	2.265700
#1	3.910763	43.02804	.1729129	.0117489	1.630593	.5303354	.4779133
#2	3.919041	42.92523	.1741592	.0108148	1.589868	.5316949	.4814839
#3	3.957972	43.44412	.1727052	.0117896	1.735769	.5149251	.4985173

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.73985	4.941044	.0473600	.0008379	.6467483	1.085553	.0089766
Stddev	.15659	.006576	.0003807	.0001287	.0034950	.005236	.0001990
%RSD	1.139695	.1330914	.8039124	15.36299	.5403885	.4822966	2.216753
#1	13.71258	4.933620	.0470268	.0007377	.6500635	1.090191	.0092028
#2	13.59869	4.943371	.0472783	.0007930	.6470835	1.086592	.0088987
#3	13.90829	4.946139	.0477750	.0009831	.6430978	1.079876	.0088284

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-21DLX2 Acquired: 12/21/2024 5:41:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM8D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.156400	-.024181	.0550629
Stddev	.010005	.000547	.0034061
%RSD	.4639550	2.262186	6.185757
#1	2.152827	-.024509	.0548447
#2	2.148672	-.023549	.0517712
#3	2.167701	-.024484	.0585728

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1981.465	24452.60	2512.300	1690.249	2097.328
Stddev	2.381	99.37	15.482	5.103	2.636
%RSD	.1201570	.4063592	.6162470	.3019090	.1257016
#1	1983.072	24440.17	2502.282	1685.181	2100.142
#2	1978.729	24557.60	2530.132	1695.386	2094.916
#3	1982.592	24360.04	2504.486	1690.182	2096.926

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-20LDLX10 Acquired: 12/21/2024 5:45:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM8L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0338567	-.016662	.0278091	.0218035	.0065260	15.58690	.1529136
Stddev	.0027007	.002248	.0008343	.0013223	.0010984	.03033	.0003566
%RSD	7.976833	13.49197	3.000084	6.064820	16.83095	.1945695	.2332315
#1	.0307531	-.015844	.0269485	.0232283	.0052799	15.58637	.1526925
#2	.0356724	-.019204	.0286144	.0215665	.0069443	15.55684	.1527232
#3	.0351445	-.014937	.0278643	.0206157	.0073537	15.61749	.1533250

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017246	.0005133	10.95873	.0407474	.0296757	.0664570	46.47408
Stddev	.0001127	.0000772	.07253	.0004920	.0007684	.0029782	.10600
%RSD	6.535502	15.04055	.6618144	1.207534	2.589195	4.481418	.2280752
#1	.0016144	.0005375	10.99054	.0403273	.0291029	.0630235	46.48659
#2	.0018396	.0004269	10.87574	.0412887	.0305489	.0683410	46.36239
#3	.0017199	.0005755	11.00992	.0406261	.0293753	.0680064	46.57328

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8414013	9.231578	.0336377	.0029137	1.118378	.1055131	.1126636
Stddev	.0019291	.118171	.0004370	.0006567	.621127	.0052992	.0044259
%RSD	.2292679	1.280076	1.299261	22.53877	55.53822	5.022332	3.928419
#1	.8421700	9.095192	.0336465	.0026637	1.276123	.1106695	.1086058
#2	.8392063	9.296070	.0340702	.0036587	.433588	.1057880	.1173831
#3	.8428274	9.303471	.0331962	.0024187	1.645423	.1000818	.1120019

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.471787	.9837463	.0109324	-.000087	.1227748	.4022020	-.008265
Stddev	.082694	.0064169	.0030899	.000408	.0020595	.0048326	.000049
%RSD	3.345522	.6522947	28.26357	468.2395	1.677431	1.201541	.5904798
#1	2.426460	.9802939	.0083991	.000045	.1212830	.4008663	-.008301
#2	2.421667	.9797947	.0143749	.000239	.1219168	.3981777	-.008285
#3	2.567234	.9911504	.0100233	-.000545	.1251245	.4075620	-.008210

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-20LDLX10 Acquired: 12/21/2024 5:45:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM8L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4833443	-.005469	.0161081
Stddev	.0010757	.000379	.0004233
%RSD	.2225571	6.937716	2.628129
#1	.4832491	-.005376	.0165366
#2	.4844645	-.005887	.0160975
#3	.4823194	-.005145	.0156901

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1866.282	22990.28	2351.267	1588.807	2138.400
Stddev	3.606	247.60	8.777	14.022	5.279
%RSD	.1932290	1.076967	.3733013	.8825513	.2468586
#1	1864.871	22835.56	2342.766	1576.514	2137.825
#2	1870.381	22859.43	2360.297	1585.828	2143.943
#3	1863.595	23275.85	2350.740	1604.079	2133.432

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-22DLX2 Acquired: 12/21/2024 5:49:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM8S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2555185	-.007560	.1807965	.2641472	.2049375	76.91831	4.535396
Stddev	.0043389	.002620	.0022252	.0036519	.0032099	.39865	.020001
%RSD	1.698093	34.65261	1.230768	1.382534	1.566275	.5182779	.4410005
#1	.2512372	-.006309	.1783703	.2675107	.2033911	76.50081	4.519983
#2	.2599129	-.010571	.1812769	.2646681	.2086279	77.29497	4.557998
#3	.2554054	-.005800	.1827422	.2602628	.2027935	76.95917	4.528208

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1026498	.1011588	51.43227	.5906671	1.115090	.7450076	218.2559
Stddev	.0006447	.0002281	.16061	.0012196	.001171	.0096255	1.2704
%RSD	.6280604	.2254684	.3122816	.2064719	.1050024	1.291994	.5820598
#1	.1019055	.1009783	51.24707	.5920698	1.114574	.7350020	216.9190
#2	.1030343	.1010829	51.51630	.5900735	1.114266	.7542015	219.4471
#3	.1030096	.1014152	51.53343	.5898579	1.116430	.7458193	218.4016

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.876535	42.96282	1.171691	.0795848	.9813587	1.483182	1.325702
Stddev	.032753	.34944	.001297	.0001690	.4289290	.003359	.009507
%RSD	.6716367	.8133527	.1106560	.2123356	43.70767	.2265008	.7171327
#1	4.838885	42.61260	1.171030	.0794033	.8196195	1.486983	1.336340
#2	4.898462	43.31148	1.170858	.0797376	1.467642	1.480611	1.318037
#3	4.892257	42.96439	1.173185	.0796133	.656814	1.481950	1.322727

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.61801	4.961388	.0474561	.0015403	.6509242	1.525562	.0087951
Stddev	.12638	.007675	.0046380	.0003650	.0057269	.004550	.0006544
%RSD	.9280229	.1547025	9.773206	23.69768	.8798111	.2982795	7.440206
#1	13.62786	4.964149	.0427177	.0019368	.6465322	1.520307	.0082302
#2	13.48699	4.952714	.0476637	.0012181	.6574016	1.528158	.0095122
#3	13.73917	4.967300	.0519867	.0014662	.6488389	1.528219	.0086429

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P5190-22DLX2 Acquired: 12/21/2024 5:49:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZM8S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.204512	-.026458	.0561019
Stddev	.012952	.000568	.0040901
%RSD	.5875080	2.145733	7.290502
#1	2.189890	-.026545	.0540192
#2	2.209103	-.026977	.0608142
#3	2.214543	-.025851	.0534723

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1975.017	24500.13	2513.556	1684.815	2096.471
Stddev	3.769	115.10	9.018	4.354	3.690
%RSD	.1908288	.4697920	.3587613	.2584248	.1760240
#1	1977.712	24411.47	2519.223	1682.846	2098.329
#2	1976.630	24458.70	2503.157	1681.793	2098.862
#3	1970.710	24630.20	2518.287	1689.806	2092.221

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165691BL Acquired: 12/21/2024 5:53:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS691 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001337	.0004875	-.004423	-.001588	-.005403	-.013063
Stddev	.0017944	.0010559	.000624	.000606	.001469	.001905
%RSD	1342.113	216.5863	14.10538	38.17336	27.19217	14.58734
#1	-.001629	.0011017	-.005123	-.001515	-.006350	-.015259
#2	.001959	.0010925	-.003926	-.002227	-.003710	-.012083
#3	.000071	-.000732	-.004220	-.001021	-.006148	-.011846

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010671	.0000265	-.000006	.0344577	-.000529	.0001738
Stddev	.0000742	.0000946	.000073	.0143590	.000523	.0002678
%RSD	6.957724	356.5590	1305.959	41.67141	98.82277	154.0464
#1	.0011482	-.000038	.000013	.0509562	.000075	-.000001
#2	.0010505	-.000017	-.000086	.0247834	-.000827	.000040
#3	.0010025	.000135	.000057	.0276335	-.000836	.000482

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003590	.0189718	.0009290	.0720525	.0004681	.0008586
Stddev	.004780	.0156267	.0008594	.0240473	.0004172	.0001228
%RSD	133.1387	82.36836	92.50642	33.37467	89.11871	14.30129
#1	-.000789	.0291352	.0014776	.0493535	.0006220	.0008337
#2	-.000872	.0009779	-.000061	.0972525	.0007865	.0007503
#3	-.009110	.0268022	.001371	.0695515	-.000004	.0009920

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6562378	-.005294	.0032532	-.491556	-.004627	-.000116
Stddev	.4769323	.009920	.0053237	.159956	.000962	.001538
%RSD	72.67675	187.3842	163.6460	32.54073	20.79930	1324.276
#1	.5327290	.003717	.0092808	-.307563	-.003679	-.001521
#2	1.182776	-.003674	-.000806	-.569562	-.004598	-.000354
#3	.253209	-.015925	.001285	-.597544	-.005603	.001527

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165691BL Acquired: 12/21/2024 5:53:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS691 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000028	-.005947	-.003854	F -.014026	.0047972	.0000546
Stddev	.000797	.003423	.001054	.001476	.0023627	.0000579
%RSD	2815.917	57.55477	27.34570	10.52023	49.25216	105.9713
#1	-.000931	-.002898	-.005049	-.013578	.0075250	.0000967
#2	.000579	-.009650	-.003452	-.015673	.0034767	-.000011
#3	.000267	-.005294	-.003059	-.012826	.0033899	.000079

Elem	Li6707
Units	ppm
Avg	.0067144
Stddev	.0011020
%RSD	16.41305
#1	.0071218
#2	.0054666
#3	.0075547

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1821.048	22537.38	2277.432	1556.002	2145.139
Stddev	2.081	56.51	19.509	4.296	1.772
%RSD	.1142854	.2507251	.8566037	.2761169	.0826083
#1	1821.734	22502.15	2280.641	1556.403	2143.096
#2	1822.700	22507.43	2256.517	1551.519	2146.068
#3	1818.711	22602.56	2295.137	1560.084	2146.254

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165691BS Acquired: 12/21/2024 5:57:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS691 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0243237	.0520835	.0187006	.0584308	.1045247	.3955106
Stddev	.0026642	.0007996	.0012797	.0024535	.0015235	.0267176
%RSD	10.95316	1.535232	6.843293	4.199002	1.457538	6.755230
#1	.0266755	.0512004	.0195323	.0598972	.1062722	.4263244
#2	.0214303	.0522918	.0172270	.0597968	.1038259	.3814131
#3	.0248653	.0527584	.0193426	.0555983	.1034759	.3787942

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4095159	.0104611	.0098589	10.00278	.0198201	.0997742
Stddev	.0024769	.0001502	.0000319	.05087	.0004783	.0005743
%RSD	.6048380	1.436010	.3231605	.5085695	2.413051	.5756266
#1	.4118905	.0105599	.0098956	10.02715	.0199762	.1003077
#2	.4069480	.0105352	.0098392	10.03689	.0202009	.0998486
#3	.4097092	.0102882	.0098417	9.94431	.0192833	.0991663

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0515066	.2021127	.0309370	10.29207	.0773550	.0189501
Stddev	.0018080	.0324714	.0006968	.02974	.0001279	.0006177
%RSD	3.510164	16.06601	2.252275	.2889343	.1652930	3.259599
#1	.0496730	.2133273	.0309383	10.32063	.0773073	.0188429
#2	.0515590	.2274904	.0316331	10.26128	.0772579	.0196145
#3	.0532878	.1655205	.0302396	10.29430	.0774999	.0183931

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.55945	.0959509	.1118815	8.977868	F .0134105	F .0013024
Stddev	.54431	.0019240	.0077061	.305225	.0021813	.0014685
%RSD	5.154685	2.005160	6.887739	3.399745	16.26557	112.7508
#1	10.34688	.0974165	.1132755	9.239426	.0149902	.0017251
#2	11.17796	.0966641	.1035736	8.642510	.0143197	-.000331
#3	10.15350	.0937722	.1187955	9.051668	.0109217	.002513

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165691BS Acquired: 12/21/2024 5:57:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS691 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0186567	.1688958	F .4815351	F -.000816	.1988705	.2086662
Stddev	.0000699	.0042004	.0011322	.001373	.0017901	.0008508
%RSD	.3748430	2.486956	.2351244	168.3225	.9001343	.4077302
#1	.0185768	.1701440	.4813653	-.000097	.1980365	.2095864
#2	.0186862	.1642127	.4804973	-.002399	.1976496	.2079082
#3	.0187069	.1723305	.4827426	.000049	.2009254	.2085041

Elem	Li6707
Units	ppm
Avg	F .0410264
Stddev	.0019332
%RSD	4.712127
#1	.0426481
#2	.0388871
#3	.0415441

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1850.364	22800.97	2331.308	1575.722	2171.698
Stddev	4.292	113.57	10.603	13.862	6.251
%RSD	.2319385	.4980829	.4548170	.8797278	.2878484
#1	1851.123	22741.09	2319.097	1560.042	2170.449
#2	1845.744	22729.88	2336.650	1580.775	2166.166
#3	1854.226	22931.95	2338.178	1586.348	2178.479

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165691BSD Acquired: 12/21/2024 6:01:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD691 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0142604	.0262470	.0078573	.0277463	.0506605	.1737174	.2101730
Stddev	.0020718	.0015236	.0008298	.0027363	.0025580	.0325488	.0006662
%RSD	14.52833	5.804683	10.56058	9.861953	5.049290	18.73663	.3169699
#1	.0164196	.0247166	.0069881	.0247292	.0520405	.2111604	.2108671
#2	.0122888	.0262606	.0079430	.0284421	.0477088	.1578132	.2101132
#3	.0140728	.0277636	.0086410	.0300675	.0522320	.1521785	.2095387

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054100	.0050342	5.172351	.0095844	.0514106	.0245272	.1054979
Stddev	.0001486	.0000213	.066466	.0003979	.0003424	.0038107	.0077702
%RSD	2.746859	.4237045	1.285031	4.151624	.6660586	15.53668	7.365255
#1	.0055506	.0050589	5.225080	.0096935	.0515041	.0248809	.0967144
#2	.0052545	.0050218	5.097690	.0091433	.0510311	.0205520	.1083045
#3	.0054249	.0050220	5.194282	.0099164	.0516966	.0281488	.1114749

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0143153	5.327088	.0391305	.0102739	5.690402	.0484981	.0518212
Stddev	.0004178	.081465	.0004160	.0015390	.253774	.0040688	.0038649
%RSD	2.918901	1.529255	1.063170	14.97995	4.459681	8.389518	7.458097
#1	.0138976	5.421012	.0395605	.0103043	5.507730	.0462612	.0561246
#2	.0143149	5.275633	.0387300	.0117974	5.583308	.0460385	.0486460
#3	.0147333	5.284618	.0391012	.0087199	5.980168	.0531945	.0506930

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.507644	.0060314	.0003662	.0093249	.0827550	.2447002	-.006629
Stddev	.072913	.0021878	.0007453	.0001619	.0031185	.0043218	.001313
%RSD	1.617542	36.27357	203.5431	1.736529	3.768344	1.766177	19.80296
#1	4.452032	.0085575	-.000184	.0093754	.0811702	.2486324	-.007474
#2	4.480706	.0047431	.001214	.0094556	.0807471	.2400730	-.005117
#3	4.590193	.0047936	.000069	.0091437	.0863476	.2453953	-.007296

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: PB165691BSD Acquired: 12/21/2024 6:01:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD691 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1017748	.1078216	.0294475
Stddev	.0036704	.0004666	.0003933
%RSD	3.606412	.4328025	1.335724
#1	.0980758	.1082910	.0294989
#2	.1018328	.1073577	.0298126
#3	.1054159	.1078162	.0290310

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1840.419	22675.14	2295.021	1562.078	2175.066
Stddev	6.769	182.18	25.129	8.751	9.309
%RSD	.3677909	.8034510	1.094936	.5601959	.4279774
#1	1835.032	22826.40	2268.679	1563.309	2169.104
#2	1848.017	22472.90	2318.730	1552.776	2185.792
#3	1838.208	22726.12	2297.653	1570.147	2170.300

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4941-06DLX2 Acquired: 12/21/2024 6:05:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ43 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0286128	.0104257	.8426708	-.002573	-.006119	26.18502	.3018898
Stddev	.0021364	.0024993	.0028634	.001899	.001181	.07358	.0022933
%RSD	7.466452	23.97215	.3398025	73.82296	19.29602	.2810041	.7596351
#1	.0263705	.0133114	.8437052	-.004037	-.007118	26.25347	.3045269
#2	.0288436	.0089527	.8394339	-.003255	-.004816	26.10720	.3007795
#3	.0306245	.0090130	.8448733	-.000427	-.006422	26.19438	.3003630

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026429	.0035716	606.8431	.0417547	.0672037	.1561113	68.36600
Stddev	.0001261	.0000416	1.2676	.0008342	.0002798	.0014116	.15114
%RSD	4.771193	1.164510	.2088805	1.997886	.4163721	.9042477	.2210813
#1	.0025116	.0035268	608.2018	.0412147	.0675252	.1572579	68.24529
#2	.0027631	.0036090	605.6924	.0427155	.0670144	.1565414	68.53552
#3	.0026541	.0035789	606.6350	.0413339	.0670716	.1545347	68.31719

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.554331	306.2113	.0653844	.0059901	1.177214	.0592347	.8429626
Stddev	.010109	.2956	.0003106	.0003162	.772432	.0108233	.0184987
%RSD	.1820105	.0965300	.4751081	5.278268	65.61527	18.27189	2.194489
#1	5.547468	306.0676	.0652149	.0056711	.285818	.0693196	.8231439
#2	5.565941	306.5513	.0651954	.0059959	1.596234	.0605848	.8597726
#3	5.549586	306.0150	.0657429	.0063033	1.649590	.0477997	.8459712

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.959720	2.915826	.0519155	.0020557	6.766048	5.342396	.0271277
Stddev	.082263	.009006	.0019442	.0000895	.019276	.014881	.0017808
%RSD	2.077492	.3088730	3.744913	4.354751	.2848972	.2785540	6.564418
#1	4.046964	2.905572	.0538920	.0019544	6.776282	5.325994	.0269046
#2	3.948634	2.919450	.0500054	.0021240	6.743813	5.346160	.0254689
#3	3.883563	2.922455	.0518490	.0020888	6.778049	5.355033	.0290094

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4941-06DLX2 Acquired: 12/21/2024 6:05:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ43 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4600597	.2936051	.0649416
Stddev	.0007946	.0004467	.0033780
%RSD	.1727113	.1521337	5.201535
#1	.4599090	.2933863	.0677689
#2	.4593513	.2941190	.0612009
#3	.4609189	.2933100	.0658552

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1823.155	22608.27	2415.036	1543.449	1833.068
Stddev	4.690	141.14	4.032	10.059	3.395
%RSD	.2572552	.6242874	.1669626	.6517365	.1852029
#1	1818.834	22448.36	2410.860	1534.218	1829.170
#2	1822.487	22660.99	2415.341	1541.958	1834.655
#3	1828.143	22715.46	2418.907	1554.170	1835.379

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4941-07DLX2 Acquired: 12/21/2024 6:08:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ44 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0328743	-.005499	.9566746	.0132552	.0022289	40.22096	.5131901
Stddev	.0064608	.003224	.0051973	.0039514	.0012764	.06224	.0028693
%RSD	19.65294	58.62888	.5432666	29.80979	57.26380	.1547454	.5591169
#1	.0366904	-.009218	.9557811	.0088828	.0007705	40.23679	.5143389
#2	.0365179	-.003774	.9622607	.0143124	.0031421	40.27375	.5153071
#3	.0254147	-.003505	.9519819	.0165704	.0027741	40.15233	.5099244

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038682	.0032388	340.6731	.0611917	.0749518	.1726630	88.13198
Stddev	.0001714	.0000631	.1422	.0003243	.0001449	.0039417	.31015
%RSD	4.430330	1.948826	.0417411	.5299195	.1932861	2.282879	.3519141
#1	.0040637	.0033065	340.6364	.0614295	.0751191	.1737892	87.98580
#2	.0037974	.0031816	340.8300	.0613234	.0748689	.1682808	88.48820
#3	.0037437	.0032283	340.5528	.0608223	.0748674	.1759190	87.92193

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.750408	129.6209	.0940551	.0067691	1.315663	.0811594	.7629782
Stddev	.011387	.4114	.0012484	.0014513	.636531	.0063855	.0173998
%RSD	.2397076	.3174075	1.327266	21.43963	48.38100	7.867857	2.280511
#1	4.748045	129.1488	.0945230	.0080433	2.047041	.0752205	.7525698
#2	4.762792	129.8106	.0950019	.0051894	1.013116	.0879133	.7532994
#3	4.740388	129.9032	.0926404	.0070746	.886833	.0803445	.7830653

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.231615	6.645505	.0506755	.0023118	2.602433	3.167259	.0535532
Stddev	.119542	.012079	.0009357	.0006983	.012091	.010340	.0020945
%RSD	2.285001	.1817625	1.846348	30.20753	.4645947	.3264750	3.911052
#1	5.272741	6.659425	.0509616	.0025400	2.612305	3.156376	.0518715
#2	5.096938	6.639302	.0514346	.0028674	2.588947	3.168448	.0528888
#3	5.325165	6.637787	.0496302	.0015279	2.606046	3.176954	.0558993

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4941-07DLX2 Acquired: 12/21/2024 6:08:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ44 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7944063	.2300796	.0807254
Stddev	.0042872	.0004741	.0008184
%RSD	.5396705	.2060525	1.013843
#1	.7973042	.2296667	.0806978
#2	.7964332	.2305973	.0815572
#3	.7894815	.2299747	.0799211

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1896.765	23659.26	2485.667	1615.812	1891.444
Stddev	.371	89.37	11.172	8.348	1.984
%RSD	.0195828	.3777469	.4494504	.5166348	.1048900
#1	1896.364	23560.58	2473.677	1606.744	1889.223
#2	1896.834	23682.45	2487.541	1623.177	1892.068
#3	1897.097	23734.75	2495.784	1617.513	1893.041

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4941-10DLX2 Acquired: 12/21/2024 6:12:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ47 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0538270	-.002473	.2537720	.0126185	-.001591	44.19184	.5330203
Stddev	.0015168	.005854	.0020079	.0030098	.003643	.06861	.0028068
%RSD	2.818002	236.7067	.7912196	23.85204	228.9826	.1552470	.5265876
#1	.0528625	.003265	.2556342	.0128288	-.000525	44.17418	.5328513
#2	.0530431	-.008436	.2540371	.0155175	.001401	44.26755	.5359078
#3	.0555754	-.002249	.2516447	.0095090	-.005649	44.13379	.5303018

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0045133	.0056909	640.0116	.0660381	.0794933	.0985446	100.0659
Stddev	.0001686	.0001202	1.9281	.0001883	.0002895	.0059620	.4707
%RSD	3.735218	2.111335	.3012634	.2851278	.3642066	6.050080	.4704082
#1	.0046873	.0055648	641.4953	.0661472	.0795462	.0959048	100.4994
#2	.0043507	.0057038	640.7072	.0658206	.0791809	.0943581	100.1331
#3	.0045019	.0058041	637.8322	.0661464	.0797527	.1053708	99.5652

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.447784	284.5451	.1061029	.0074400	.9524932	.0940817	1.139580
Stddev	.013294	.5343	.0006253	.0012370	.1403596	.0108676	.014137
%RSD	.2989015	.1877692	.5893052	16.62614	14.73602	11.55120	1.240544
#1	4.457958	284.8848	.1058084	.0061944	1.093618	.1044424	1.155902
#2	4.452653	284.8212	.1068210	.0074574	.950951	.0950329	1.131598
#3	4.432742	283.9292	.1056792	.0086682	.812911	.0827698	1.131239

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.097258	2.336210	.0531692	.0032688	5.456178	5.077556	.0106201
Stddev	.196656	.002896	.0022061	.0005696	.019832	.024579	.0012976
%RSD	3.858076	.1239580	4.149236	17.42517	.3634751	.4840647	12.21865
#1	4.947482	2.339531	.0507651	.0033413	5.478764	5.072688	.0114542
#2	5.024333	2.334211	.0551008	.0026664	5.448156	5.104204	.0091250
#3	5.319960	2.334887	.0536417	.0037987	5.441613	5.055775	.0112810

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4941-10DLX2 Acquired: 12/21/2024 6:12:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ47 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4892904	.3572033	.0883741
Stddev	.0035205	.0007842	.0022226
%RSD	.7195056	.2195369	2.514971
#1	.4918708	.3580932	.0867185
#2	.4852799	.3566131	.0875037
#3	.4907205	.3569037	.0909001

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1802.120	22446.11	2397.132	1533.853	1801.180
Stddev	5.435	112.56	4.255	6.504	3.258
%RSD	.3016003	.5014593	.1774948	.4240519	.1808719
#1	1805.108	22425.37	2392.463	1530.913	1799.190
#2	1805.405	22567.60	2398.144	1541.309	1804.940
#3	1795.846	22345.37	2400.790	1529.338	1799.411

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4941-22DLX2 Acquired: 12/21/2024 6:16:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0316397	-.002244	.8911799	.0165870	.0017086	41.91827	.5209983
Stddev	.0038745	.001368	.0054015	.0041570	.0015158	.59760	.0093306
%RSD	12.24584	60.97102	.6061022	25.06150	88.71286	1.425637	1.790909
#1	.0271664	-.003263	.8952242	.0168936	.0026174	42.60768	.5317365
#2	.0339434	-.002778	.8850458	.0205822	.0025497	41.59924	.5163902
#3	.0338092	-.000689	.8932697	.0122853	-.000041	41.54788	.5148683

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036975	.0031691	372.9876	.0553031	.0762651	.1839341	89.48400
Stddev	.0001236	.0000884	5.2161	.0008207	.0003049	.0081394	1.40092
%RSD	3.342032	2.788125	1.398463	1.484014	.3997973	4.425144	1.565548
#1	.0037751	.0030717	378.9878	.0544433	.0765451	.1885503	91.07819
#2	.0035550	.0031914	369.5339	.0553877	.0759403	.1745360	88.92462
#3	.0037624	.0032441	370.4412	.0560781	.0763100	.1887159	88.44921

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.695743	146.5847	.0885640	.0073754	1.474862	.0938400	.7692260
Stddev	.074588	1.7451	.0005442	.0002362	.208730	.0061470	.0112669
%RSD	1.588407	1.190533	.6145173	3.202171	14.15254	6.550548	1.464707
#1	4.781216	148.5839	.0890076	.0075023	1.238894	.0880989	.7817523
#2	4.662170	145.8044	.0879567	.0071029	1.635366	.0930960	.7660062
#3	4.643841	145.3659	.0887277	.0075211	1.550325	.1003252	.7599195

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.332991	4.856403	.0436751	.0020551	2.477936	4.791665	.0327070
Stddev	.191284	.009131	.0003951	.0003717	.009423	.061007	.0007843
%RSD	4.414588	.1880293	.9045591	18.08762	.3802815	1.273197	2.397890
#1	4.535186	4.865701	.0432568	.0022684	2.469381	4.856044	.0318339
#2	4.154904	4.847448	.0437267	.0022710	2.476390	4.784243	.0333518
#3	4.308885	4.856059	.0440419	.0016259	2.488036	4.734709	.0329353

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4941-22DLX2 Acquired: 12/21/2024 6:16:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7849002	.2199697	.0769295
Stddev	.0128551	.0037178	.0041477
%RSD	1.637803	1.690148	5.391551
#1	.7997158	.2242572	.0723081
#2	.7782852	.2180142	.0781515
#3	.7766997	.2176378	.0803289

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1880.656	23270.56	2452.856	1595.606	1876.546
Stddev	5.463	36.32	38.315	12.674	5.190
%RSD	.2905098	.1560708	1.562076	.7943109	.2765714
#1	1875.903	23237.43	2409.249	1594.628	1870.753
#2	1886.625	23264.86	2468.185	1583.450	1880.771
#3	1879.439	23309.39	2481.134	1608.741	1878.114

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4978-01DLX2 Acquired: 12/21/2024 6:20:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ49 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0167270	.0204141	.1622502	-.012255	-.009688	15.62293	.1226705
Stddev	.0040912	.0023054	.0008243	.005488	.001843	.00338	.0015250
%RSD	24.45895	11.29332	.5080354	44.78179	19.02441	.0216603	1.243135
#1	.0134673	.0189612	.1613522	-.016086	-.011146	15.61977	.1209907
#2	.0153956	.0230724	.1629724	-.005968	-.007616	15.62251	.1230526
#3	.0213181	.0192089	.1624260	-.014711	-.010301	15.62650	.1239680

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017026	.0028278	701.2552	.0444913	.0561275	.0373462	48.09475
Stddev	.0001605	.0000689	.5945	.0007967	.0001637	.0051465	.22169
%RSD	9.423762	2.437738	.0847770	1.790717	.2916266	13.78047	.4609394
#1	.0015318	.0027565	701.0727	.0436358	.0561910	.0349293	47.85445
#2	.0018502	.0028941	700.7734	.0446260	.0562499	.0338530	48.29131
#3	.0017258	.0028329	701.9196	.0452120	.0559416	.0432562	48.13850

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.291905	327.6152	.0422607	.0036746	1.139084	.0421182	.5084895
Stddev	.012823	.6793	.0007982	.0002894	.179109	.0078866	.0136644
%RSD	.2987643	.2073344	1.888830	7.874907	15.72397	18.72500	2.687262
#1	4.281360	326.8314	.0430876	.0038219	.992050	.0400601	.4955231
#2	4.288175	328.0324	.0422000	.0033412	1.086642	.0354646	.5071866
#3	4.306179	327.9819	.0414946	.0038607	1.338561	.0508298	.5227587

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.992661	2.345912	.0633842	.0013173	11.67688	5.121504	.0050677
Stddev	.146534	.010296	.0028812	.0001497	.03535	.050752	.0018558
%RSD	3.670071	.4389120	4.545543	11.36317	.3027719	.9909569	36.61979
#1	3.843187	2.356324	.0608786	.0012182	11.69617	5.180093	.0044788
#2	4.136065	2.335735	.0665324	.0012442	11.63608	5.093339	.0071465
#3	3.998732	2.345676	.0627417	.0014895	11.69840	5.091080	.0035779

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4978-01DLX2 Acquired: 12/21/2024 6:20:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ49 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2935871	.3941054	.0455655
Stddev	.0034065	.0021013	.0038294
%RSD	1.160294	.5331845	8.404060
#1	.2930676	.3926427	.0499575
#2	.2972234	.3965133	.0438128
#3	.2904701	.3931602	.0429261

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1753.760	21842.90	2322.947	1480.582	1798.791
Stddev	6.846	58.40	11.886	8.316	7.711
%RSD	.3903894	.2673490	.5116598	.5616779	.4286540
#1	1748.334	21895.81	2309.675	1490.154	1793.568
#2	1761.452	21852.63	2326.557	1475.135	1807.647
#3	1751.493	21780.24	2332.608	1476.457	1795.157

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV089 Acquired: 12/21/2024 6:24:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV089 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.074454	4.766342	24.81392	4.873221	4.907525	412.7488	10.31328
Stddev	.008105	.012069	.05198	.010214	.006322	1.1164	.02875
%RSD	.1597294	.2532146	.2094722	.2095857	.1288256	.2704840	.2787680
#1	5.069892	4.757917	24.76040	4.879884	4.914699	411.8162	10.28515
#2	5.069658	4.760940	24.81714	4.861463	4.902765	413.9859	10.34261
#3	5.083813	4.780168	24.86421	4.878317	4.905113	412.4444	10.31209

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5185511	2.491730	409.0086	15.53255	2.483928	15.19041	412.0668
Stddev	.0014834	.005112	.9737	.01514	.004628	.02456	1.1869
%RSD	.2860704	.2051525	.2380601	.0974928	.1863219	.1616943	.2880442
#1	.5194258	2.486464	408.1206	15.54950	2.479111	15.17038	410.9691
#2	.5193892	2.492052	410.0498	15.52778	2.484332	15.21782	413.3263
#3	.5168384	2.496673	408.8553	15.52036	2.488340	15.18305	411.9050

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.21579	407.6993	2.498692	1.302110	409.2404	2.525644	15.28425
Stddev	.03380	1.3698	.005351	.001123	1.1920	.014031	.16328
%RSD	.2221705	.3359924	.2141548	.0862589	.2912796	.5555557	1.068260
#1	15.18302	406.1231	2.492544	1.302333	407.8640	2.527967	15.20377
#2	15.25054	408.3727	2.501233	1.303104	409.9361	2.510596	15.17684
#3	15.21380	408.6021	2.502299	1.300891	409.9211	2.538368	15.47215

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	152.7248	4.944664	5.003976	4.814344	4.947241	4.968071	4.944469
Stddev	.5214	.014546	.019376	.003033	.009148	.015068	.012543
%RSD	.3413710	.2941775	.3872098	.0629911	.1849040	.3033036	.2536756
#1	152.2155	4.929161	4.999668	4.816644	4.936951	4.966105	4.932870
#2	153.2574	4.946816	5.025143	4.815482	4.954451	4.984026	4.942757
#3	152.7015	4.958014	4.987116	4.810907	4.950322	4.954082	4.957780

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV089 Acquired: 12/21/2024 6:24:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV089 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.039623	4.884613	5.251279
Stddev	.009560	.016542	.006345
%RSD	.1897011	.3386629	.1208285
#1	5.036904	4.867719	5.245141
#2	5.050249	4.900780	5.257812
#3	5.031717	4.885339	5.250883

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1548.082	20539.86	2239.318	1301.454	1774.102
Stddev	2.901	52.66	5.186	10.245	3.906
%RSD	.1874192	.2563606	.2315740	.7872003	.2201705
#1	1547.130	20486.68	2234.514	1296.987	1778.142
#2	1545.775	20591.97	2238.622	1313.175	1770.345
#3	1551.339	20540.93	2244.816	1294.201	1773.820

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCB089 Acquired: 12/21/2024 6:27:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB089 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000238	-.001296	.0011967	.0018681	-.003249	.0285011
Stddev	.002339	.000793	.0006629	.0020125	.000334	.0123890
%RSD	982.6167	61.18641	55.39125	107.7307	10.29168	43.46855
#1	.000266	-.001288	.0019378	.0002769	-.003100	.0145004
#2	-.002788	-.000507	.0006602	.0011969	-.003632	.0380455
#3	.001808	-.002093	.0009922	.0041304	-.003015	.0329574

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017954	.0001464	.0001222	.0283322	.0001559	.0000802
Stddev	.0013370	.0001155	.0001136	.0496163	.0005455	.0001021
%RSD	74.46751	78.91349	92.95487	175.1233	349.8898	127.2957
#1	.0007792	.0000587	.0002462	-.004841	.0006674	.0001616
#2	.0033099	.0001032	.0000230	.004466	-.000418	-.000034
#3	.0012970	.0002773	.0000975	.085372	.000219	.000113

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019494	.0081804	.0004696	.1400377	.0002815	.0008426
Stddev	.0034020	.0254396	.0001286	.0533773	.0004006	.0000966
%RSD	174.5145	310.9817	27.37871	38.11638	142.3097	11.45794
#1	-.001796	.0247620	.0005581	.0793078	.0003993	.0008709
#2	.004848	.0208887	.0003221	.1795157	-.000165	.0007351
#3	.002796	-.021109	.0005286	.1612896	.000610	.0009218

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.136787	-.010886	.0031945	-.220760	-.002271	.0136587
Stddev	.483485	.011246	.0054478	.161264	.000219	.0017171
%RSD	42.53080	103.3053	170.5345	73.04942	9.621121	12.57153
#1	1.529478	-.001210	.0087855	-.157621	-.002511	.0121082
#2	.596781	-.008224	-.002098	-.404041	-.002220	.0155042
#3	1.284103	-.023224	.002896	-.100619	-.002083	.0133639

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCB089 Acquired: 12/21/2024 6:27:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB089 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003073	-.007120	-.002793	F -.010675	.0017533	.0003969
Stddev	.0003046	.003764	.000886	.000600	.0017750	.0000836
%RSD	99.13846	52.86331	31.73924	5.619775	101.2382	21.06310
#1	.0005072	-.003408	-.001820	-.010019	.0036307	.0004856
#2	-.000043	-.010933	-.003002	-.010812	.0015269	.0003855
#3	.000458	-.007019	-.003556	-.011196	.0001024	.0003196

Elem	Li6707
Units	ppm
Avg	F .0228426
Stddev	.0038521
%RSD	16.86389
#1	.0265244
#2	.0231632
#3	.0188402

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1832.219	22699.59	2296.668	1566.822	2157.234
Stddev	1.069	181.22	10.880	10.129	2.329
%RSD	.0583355	.7983440	.4737308	.6464819	.1079845
#1	1832.092	22600.86	2292.551	1557.625	2154.751
#2	1831.219	22589.17	2309.006	1565.161	2157.579
#3	1833.346	22908.74	2288.448	1577.678	2159.371

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4978-02DLX2 Acquired: 12/21/2024 6:31:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ49D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0102397	.0223541	.1556991	-.015624	-.010054	15.21202	.1194266
Stddev	.0032079	.0046878	.0037530	.002409	.003596	.09792	.0015691
%RSD	31.32798	20.97052	2.410443	15.41579	35.76478	.6437202	1.313841
#1	.0073385	.0169941	.1583295	-.014135	-.008285	15.12615	.1179291
#2	.0096958	.0243799	.1514012	-.014335	-.007686	15.31866	.1210586
#3	.0136848	.0256883	.1573665	-.018403	-.014192	15.19125	.1192922

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017236	.0026915	683.3711	.0438236	.0559924	.0399242	46.68740
Stddev	.0003076	.0001561	3.4251	.0009520	.0002582	.0048000	.30250
%RSD	17.84801	5.799992	.5012115	2.172324	.4612020	12.02276	.6479354
#1	.0018678	.0027753	680.0162	.0444606	.0558920	.0359113	46.36347
#2	.0019327	.0027877	686.8624	.0442809	.0557994	.0386198	46.73620
#3	.0013704	.0025113	683.2346	.0427292	.0562857	.0452416	46.96254

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.177197	319.0098	.0402644	.0052600	1.111956	.0396989	.4896091
Stddev	.029576	1.8092	.0009614	.0005934	.925443	.0036687	.0123207
%RSD	.7080340	.5671155	2.387796	11.28112	83.22664	9.241363	2.516426
#1	4.146677	316.9583	.0410491	.0055712	1.329670	.0358073	.4761037
#2	4.205729	320.3770	.0405522	.0056330	.097065	.0430943	.4924886
#3	4.179184	319.6941	.0391920	.0045757	1.909131	.0401951	.5002349

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.810310	2.286583	.0665425	.0009339	11.42355	4.951444	.0047572
Stddev	.066440	.013061	.0011436	.0008232	.03651	.050661	.0014994
%RSD	1.743687	.5712153	1.718598	88.13936	.3195949	1.023158	31.51775
#1	3.808485	2.284404	.0674406	.0011325	11.42537	4.905638	.0052835
#2	3.877644	2.274748	.0669319	.0016397	11.38616	5.005858	.0059225
#3	3.744802	2.300597	.0652551	.0000297	11.45911	4.942838	.0030657

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4978-02DLX2 Acquired: 12/21/2024 6:31:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ49D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2880606	.3833706	.0538062
Stddev	.0038048	.0020155	.0018329
%RSD	1.320829	.5257335	3.406463
#1	.2850668	.3816628	.0526077
#2	.2867728	.3855938	.0528949
#3	.2923421	.3828553	.0559162

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1752.857	21857.60	2343.210	1485.853	1799.668
Stddev	3.980	126.44	12.452	4.333	1.988
%RSD	.2270700	.5784854	.5314030	.2915841	.1104590
#1	1752.946	21754.35	2356.559	1482.507	1797.733
#2	1748.834	21998.62	2331.909	1490.747	1799.565
#3	1756.792	21819.82	2341.162	1484.306	1801.705

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4978-01LDLX10 Acquired: 12/21/2024 6:35:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ49L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007574	.0209414	.0389239	-.017496	-.013531	3.096077	.0255669
Stddev	.0031482	.0028108	.0003725	.002745	.001911	.018395	.0018259
%RSD	415.6589	13.42215	.9569004	15.68884	14.12646	.5941473	7.141721
#1	.0041161	.0212777	.0393468	-.016200	-.015301	3.113435	.0269271
#2	.0002823	.0179776	.0387804	-.020649	-.011504	3.076796	.0234916
#3	-.002126	.0235689	.0386446	-.015639	-.013788	3.097999	.0262819

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004800	.0005923	143.3411	.0090764	.0312911	.0072756	9.914848
Stddev	.0001299	.0000303	.1388	.0001268	.0005369	.0109539	.016755
%RSD	27.06269	5.106069	.0968320	1.396798	1.715877	150.5573	.1689867
#1	.0004364	.0006251	143.4764	.0089300	.0315796	-.005001	9.923870
#2	.0003775	.0005866	143.1991	.0091470	.0306717	.010777	9.895515
#3	.0006261	.0005654	143.3479	.0091520	.0316222	.016051	9.925158

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8909095	67.25380	.0051413	.0000475	.7043677	.0074853	.0965856
Stddev	.0033404	.19886	.0007549	.0003521	.2992250	.0071941	.0098095
%RSD	.3749422	.2956877	14.68300	741.3123	42.48136	96.10936	10.15624
#1	.8897095	67.18832	.0058595	.0001328	.5927122	.0010996	.0856483
#2	.8883349	67.09594	.0043544	.0003491	1.043366	.0152795	.1046054
#3	.8946841	67.47715	.0052100	-.000339	.477025	.0060769	.0995029

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3620592	.4248539	.0161381	.0019410	2.141958	1.050912	-.007792
Stddev	.0964293	.0015987	.0019212	.0003240	.007887	.005024	.000426
%RSD	26.63356	.3762823	11.90471	16.69288	.3682064	.4780999	5.462220
#1	.4732026	.4233299	.0173013	.0020863	2.150097	1.054372	-.007303
#2	.3123156	.4247138	.0171923	.0015698	2.134350	1.053215	-.008078
#3	.3006595	.4265180	.0139206	.0021669	2.141427	1.045149	-.007995

Reviewed By:Jaswal
On:12/23/2024
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Inst Id :P5

Sample Name: P4978-01LDLX10 Acquired: 12/21/2024 6:35:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ49L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0593733	.0788500	.0209798
Stddev	.0029471	.0000379	.0051378
%RSD	4.963661	.0480426	24.48922
#1	.0588440	.0788163	.0161741
#2	.0625491	.0788910	.0203700
#3	.0567267	.0788426	.0263952

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1834.007	22638.06	2332.913	1553.443	2052.924
Stddev	4.628	34.07	9.374	7.141	4.059
%RSD	.2523197	.1505073	.4018178	.4596956	.1977210
#1	1833.762	22614.56	2331.605	1545.246	2054.288
#2	1838.751	22622.48	2324.262	1556.766	2056.126
#3	1829.506	22677.13	2342.872	1558.317	2048.359

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4978-03DLX2 Acquired: 12/21/2024 6:39:38 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ49S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0604519	.0663320	.1821959	.0684169	.0753168	17.22419	2.083017
Stddev	.0020116	.0048225	.0008777	.0039603	.0005611	.11649	.013766
%RSD	3.327597	7.270308	.4817604	5.788546	.7450178	.6763331	.6608468
#1	.0622999	.0650703	.1815499	.0639977	.0759620	17.11872	2.070838
#2	.0583092	.0716599	.1818424	.0716450	.0749425	17.34923	2.097952
#3	.0607468	.0622657	.1831952	.0696081	.0750459	17.20462	2.080263

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0494931	.0526083	691.3994	.2433793	.5442836	.2660572	48.19750
Stddev	.0001863	.0001637	3.6167	.0009575	.0011771	.0129938	.38079
%RSD	.3763196	.3112488	.5231038	.3934285	.2162664	4.883824	.7900663
#1	.0492880	.0526247	687.2248	.2444658	.5435745	.2511619	47.79465
#2	.0495397	.0524370	693.5900	.2426585	.5436339	.2750656	48.55153
#3	.0496517	.0527633	693.3833	.2430137	.5456423	.2719442	48.24631

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.693923	321.8859	.5390344	.0413680	1.714216	.5218833	.9490958
Stddev	.026457	2.4394	.0012352	.0006515	.335046	.0072551	.0108465
%RSD	.5636342	.7578350	.2291469	1.574883	19.54513	1.390178	1.142825
#1	4.665809	319.2217	.5376090	.0410119	1.331018	.5138765	.9495400
#2	4.718332	324.0099	.5397043	.0409721	1.859711	.5280210	.9597135
#3	4.697629	322.4261	.5397898	.0421199	1.951917	.5237524	.9380341

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.718262	2.326532	.0673224	.0012939	11.58521	5.015672	.0054408
Stddev	.100699	.002266	.0017491	.0005947	.01414	.024557	.0015745
%RSD	2.708216	.0973905	2.598057	45.96280	.1220381	.4896018	28.93879
#1	3.833356	2.323924	.0690827	.0010095	11.57267	5.044026	.0069651
#2	3.675045	2.327658	.0672996	.0008948	11.58242	5.001783	.0038205
#3	3.646386	2.328014	.0655848	.0019774	11.60053	5.001207	.0055370

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4978-03DLX2 Acquired: 12/21/2024 6:39:38 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ49S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2829546	.3865218	.0500383
Stddev	.0040561	.0027752	.0002158
%RSD	1.433492	.7180065	.4312367
#1	.2813958	.3842280	.0499641
#2	.2875589	.3896067	.0498693
#3	.2799092	.3857306	.0502813

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1737.750	21741.75	2328.403	1477.719	1787.447
Stddev	4.065	76.94	11.285	7.273	3.260
%RSD	.2339393	.3538621	.4846610	.4921666	.1824047
#1	1735.139	21671.30	2319.008	1469.680	1787.029
#2	1735.679	21730.11	2325.281	1479.636	1784.416
#3	1742.434	21823.85	2340.920	1483.841	1790.896

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4978-04DLX2 Acquired: 12/21/2024 6:43:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ50 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0147443	.0195773	.1733613	-.017772	-.010504	14.29182	.1289579
Stddev	.0038250	.0021530	.0006747	.002244	.001875	.09682	.0009024
%RSD	25.94241	10.99763	.3891803	12.62696	17.85308	.6774746	.6997928
#1	.0116351	.0194538	.1737655	-.019890	-.008974	14.19199	.1299694
#2	.0135821	.0174886	.1725824	-.015420	-.012596	14.38532	.1282353
#3	.0190156	.0217893	.1737359	-.018007	-.009943	14.29814	.1286691

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016576	.0024972	678.1572	.0574680	.0545224	.0330246	45.00410
Stddev	.0000573	.0000771	2.6269	.0005278	.0003943	.0039335	.22445
%RSD	3.457970	3.088010	.3873515	.9184537	.7232075	11.91085	.4987253
#1	.0017183	.0024249	675.6421	.0572136	.0542819	.0299362	44.89124
#2	.0016504	.0025784	680.8831	.0571156	.0543078	.0374530	45.26258
#3	.0016043	.0024884	677.9463	.0580748	.0549774	.0316846	44.85849

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.718864	332.6758	.0416691	.0040050	1.095639	.0507267	.4697385
Stddev	.013607	1.5287	.0005858	.0008815	.423286	.0123543	.0012346
%RSD	.3658987	.4595056	1.405897	22.00912	38.63370	24.35456	.2628253
#1	3.703319	331.6418	.0419466	.0030828	1.195665	.0598271	.4703211
#2	3.728619	334.4317	.0420646	.0040932	1.459954	.0366626	.4683204
#3	3.724653	331.9539	.0409961	.0048391	.631299	.0556905	.4705739

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.912404	1.956881	.0570980	.0016428	10.83610	4.803063	.0055253
Stddev	.255481	.008431	.0017999	.0007437	.03638	.011706	.0020836
%RSD	8.772180	.4308159	3.152366	45.27143	.3357250	.2437290	37.71044
#1	2.865044	1.960795	.0577825	.0024363	10.87118	4.816524	.0069926
#2	3.188252	1.947205	.0550562	.0009616	10.79855	4.795267	.0064430
#3	2.683917	1.962643	.0584553	.0015306	10.83858	4.797396	.0031404

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4978-04DLX2 Acquired: 12/21/2024 6:43:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ50 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3771867	.3296046	.0367865
Stddev	.0051295	.0013597	.0036858
%RSD	1.359948	.4125212	10.01939
#1	.3721618	.3284891	.0397889
#2	.3824148	.3311192	.0378976
#3	.3769835	.3292055	.0326730

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1744.830	21760.33	2326.101	1483.238	1802.024
Stddev	3.370	15.72	5.506	1.006	2.761
%RSD	.1931206	.0722311	.2367125	.0678359	.1532213
#1	1748.637	21759.50	2322.295	1482.093	1805.212
#2	1742.231	21745.04	2332.414	1483.639	1800.476
#3	1743.621	21776.44	2323.593	1483.981	1800.385

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4978-05DLX2 Acquired: 12/21/2024 6:47:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ51 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0132299	.0282384	.2018211	-.015668	-.014398	8.305742
Stddev	.0006003	.0010878	.0004984	.001466	.001278	.052937
%RSD	4.537627	3.852220	.2469497	9.357134	8.879308	.6373525
#1	.0126258	.0275758	.2013399	-.014217	-.015848	8.255395
#2	.0138264	.0294939	.2023351	-.015638	-.013912	8.300896
#3	.0132375	.0276456	.2017883	-.017148	-.013434	8.360936

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0674160	.0013660	.0074642	F 1034.827	.0252889	.0555207
Stddev	.0011234	.0000080	.0000322	5.635	.0003558	.0004497
%RSD	1.666358	.5853181	.4309083	.5445764	1.406830	.8100216
#1	.0678242	.0013584	.0074664	1030.314	.0249848	.0559957
#2	.0661455	.0013743	.0074953	1033.024	.0252017	.0554652
#3	.0682781	.0013652	.0074311	1041.143	.0256801	.0551014

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0203269	45.12224	4.996844	575.7113	.0325619	.0049520
Stddev	.0098502	.07173	.024624	2.9817	.0015490	.0011521
%RSD	48.45891	.1589626	.4927814	.5179225	4.757169	23.26590
#1	.0119945	45.13639	4.982466	574.7220	.0336040	.0059878
#2	.0177883	45.04449	4.982790	573.3500	.0307818	.0051572
#3	.0311979	45.18584	5.025276	579.0620	.0332997	.0037111

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.031515	.0182935	1.377237	3.259704	.7090387	.0698217
Stddev	.724212	.0031186	.027892	.173067	.0007877	.0032400
%RSD	70.20861	17.04785	2.025198	5.309287	.1110946	4.640331
#1	.374051	.0160734	1.397118	3.237373	.7082624	.0696988
#2	1.807784	.0169480	1.345353	3.098886	.7090162	.0666450
#3	.912709	.0218590	1.389240	3.442852	.7098374	.0731214

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4978-05DLX2 Acquired: 12/21/2024 6:47:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ51 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004560	10.78971	4.370511	.0031882	.0683211	.2988066
Stddev	.0006107	.01213	.012224	.0010088	.0011777	.0020038
%RSD	133.9333	.1124222	.2796970	31.64159	1.723814	.6705943
#1	-.000214	10.78239	4.356433	.0020404	.0680380	.2982443
#2	.000602	10.78304	4.378444	.0039343	.0673108	.2971439
#3	.000981	10.80372	4.376655	.0035899	.0696146	.3010314

Elem	Li6707
Units	ppm
Avg	.0394656
Stddev	.0009382
%RSD	2.377393
#1	.0394630
#2	.0385287
#3	.0404052

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1678.921	20886.26	2260.272	1418.628	1715.393
Stddev	3.674	21.40	7.081	7.783	2.627
%RSD	.2188343	.1024451	.3132860	.5486358	.1531676
#1	1676.258	20910.95	2268.432	1409.767	1712.736
#2	1683.112	20874.71	2255.744	1421.763	1717.990
#3	1677.392	20873.13	2256.639	1424.355	1715.453

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4978-06DLX2 Acquired: 12/21/2024 6:51:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ52 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0085615	.0329356	.1776220	-.018393	-.016163	6.437187
Stddev	.0044514	.0024905	.0009192	.004472	.001118	.056741
%RSD	51.99363	7.561813	.5175217	24.31614	6.916138	.8814499
#1	.0082203	.0325155	.1785189	-.014779	-.015580	6.449329
#2	.0131737	.0306818	.1766820	-.017005	-.017451	6.486873
#3	.0042905	.0356094	.1776650	-.023395	-.015457	6.375358

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0782959	.0011764	.0052590	F 1013.449	.0180306	.0562276
Stddev	.0010937	.0001246	.0001103	7.306	.0004506	.0007006
%RSD	1.396846	10.59118	2.096762	.7209153	2.499371	1.246024
#1	.0788521	.0010452	.0051605	1015.674	.0184857	.0566615
#2	.0770359	.0012931	.0052384	1019.384	.0180216	.0554193
#3	.0789997	.0011911	.0053781	1005.289	.0175845	.0566019

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0163783	42.94685	5.864389	559.7460	.0287423	.0046914
Stddev	.0109872	.24346	.040746	3.0548	.0003492	.0017054
%RSD	67.08374	.5668886	.6948014	.5457553	1.214816	36.35157
#1	.0259393	43.19262	5.877560	560.9797	.0288043	.0048724
#2	.0188200	42.94216	5.896921	561.9910	.0290563	.0062992
#3	.0043757	42.70576	5.818687	556.2672	.0283663	.0029028

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6552361	.0173809	.9091522	2.814841	.6257730	.0640486
Stddev	.9527862	.0091387	.0187004	.072154	.0105288	.0017196
%RSD	145.4111	52.57910	2.056905	2.563352	1.682526	2.684864
#1	-.442259	.0279324	.8881594	2.885319	.6370957	.0655383
#2	1.137431	.0119735	.9240281	2.818084	.6162771	.0621668
#3	1.270537	.0122370	.9152693	2.741120	.6239464	.0644408

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4978-06DLX2 Acquired: 12/21/2024 6:51:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ52 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000215	10.33574	3.418995	.0076194	.0372849	.2928712
Stddev	.000558	.04440	.055820	.0012871	.0018928	.0018736
%RSD	259.8283	.4295672	1.632637	16.89237	5.076533	.6397472
#1	.000427	10.35785	3.470541	.0090567	.0364068	.2933505
#2	-.000581	10.28463	3.426734	.0065734	.0394573	.2944586
#3	-.000490	10.36474	3.359709	.0072280	.0359907	.2908044

Elem	Li6707
Units	ppm
Avg	.0388993
Stddev	.0061243
%RSD	15.74412
#1	.0319006
#2	.0415201
#3	.0432771

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1669.320	20989.04	2294.492	1425.330	1708.639
Stddev	9.693	110.52	25.676	8.706	8.512
%RSD	.5806584	.5265679	1.119037	.6108283	.4981591
#1	1658.969	21111.60	2273.028	1434.651	1700.691
#2	1678.183	20958.61	2287.511	1417.408	1717.620
#3	1670.807	20896.93	2322.937	1423.930	1707.605

Reviewed By:Jaswal
On:12/23/2024
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Inst Id :P5

Sample Name: P4978-07DLX2 Acquired: 12/21/2024 6:55:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ53 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066069	.0306800	.1801381	-.018989	-.017018	5.836838
Stddev	.0044304	.0025003	.0025460	.004628	.003457	.063707
%RSD	67.05710	8.149510	1.413337	24.37056	20.31718	1.091464
#1	.0048652	.0309860	.1788521	-.022596	-.020392	5.763288
#2	.0116434	.0330131	.1784916	-.013771	-.013483	5.874761
#3	.0033120	.0280408	.1830705	-.020602	-.017177	5.872466

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0459625	.0010382	.0026319	F 997.3099	.0172453	.0552853
Stddev	.0013626	.0001875	.0000913	3.8320	.0001763	.0002647
%RSD	2.964505	18.05785	3.468269	.3842331	1.022013	.4787837
#1	.0446149	.0010180	.0026066	993.1836	.0173396	.0555877
#2	.0459328	.0012350	.0027331	997.9894	.0170420	.0550959
#3	.0473396	.0008617	.0025558	1000.757	.0173544	.0551722

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0120589	41.84818	7.221205	556.9677	.0246463	.0044424
Stddev	.0060641	.16297	.030957	2.5363	.0002870	.0018571
%RSD	50.28691	.3894346	.4287000	.4553797	1.164609	41.80420
#1	.0145120	41.66381	7.188496	554.2632	.0249194	.0050615
#2	.0165122	41.90771	7.225072	557.3469	.0246725	.0059109
#3	.0051526	41.97302	7.250048	559.2931	.0243471	.0023548

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.402001	.0119183	.4493138	2.676737	.5861454	.0583109
Stddev	.397264	.0058573	.0118032	.077856	.0020428	.0041375
%RSD	28.33548	49.14548	2.626935	2.908628	.3485146	7.095648
#1	1.850939	.0186695	.4367088	2.592761	.5837875	.0539480
#2	1.259138	.0081918	.4601053	2.746521	.5872674	.0621784
#3	1.095927	.0088935	.4511272	2.690928	.5873812	.0588063

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4978-07DLX2 Acquired: 12/21/2024 6:55:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ53 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000217	9.094037	3.441887	.0021021	.0235999	.2685086
Stddev	.000352	.019113	.007528	.0025112	.0029907	.0021093
%RSD	162.3513	.2101733	.2187114	119.4616	12.67251	.7855570
#1	-.000106	9.111889	3.444180	.0049734	.0219221	.2662245
#2	.000067	9.073873	3.433480	.0010167	.0270528	.2689185
#3	-.000611	9.096350	3.448002	.0003161	.0218249	.2703829

Elem	Li6707
Units	ppm
Avg	.0319359
Stddev	.0036036
%RSD	11.28380
#1	.0278962
#2	.0348196
#3	.0330918

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1678.296	20910.47	2274.072	1417.052	1721.208
Stddev	6.717	45.86	3.540	4.106	9.125
%RSD	.4002535	.2193082	.1556782	.2897380	.5301540
#1	1670.571	20960.01	2269.994	1421.513	1710.685
#2	1681.559	20901.88	2275.865	1416.209	1726.927
#3	1682.759	20869.51	2276.356	1413.433	1726.013

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4978-08DLX2 Acquired: 12/21/2024 6:58:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ54 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0283447	.0197236	.3217429	-.014712	-.012181	33.01978	.2253453
Stddev	.0007286	.0019842	.0006345	.000819	.001939	.13643	.0011324
%RSD	2.570627	10.05999	.1972133	5.565903	15.91405	.4131815	.5025272
#1	.0291395	.0198467	.3224282	-.015446	-.012939	33.17652	.2260572
#2	.0281863	.0216434	.3211758	-.014860	-.013626	32.92767	.2240395
#3	.0277083	.0176807	.3216246	-.013829	-.009978	32.95516	.2259392

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025229	.0023726	665.4189	.0302275	.0574702	.0236571	49.55931
Stddev	.0002327	.0001396	2.7758	.0005420	.0003382	.0027649	.17881
%RSD	9.221740	5.882616	.4171499	1.793216	.5885033	11.68745	.3607905
#1	.0022991	.0022370	668.5824	.0301255	.0578579	.0219668	49.71967
#2	.0025061	.0025159	664.2837	.0297437	.0573175	.0221568	49.36650
#3	.0027635	.0023650	663.3906	.0308133	.0572353	.0268479	49.59175

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.986083	363.8477	.0385117	.0038138	5.071793	.0516803	.5164454
Stddev	.015710	1.1648	.0005922	.0002920	.518461	.0005852	.0069036
%RSD	.3941090	.3201389	1.537604	7.655500	10.22245	1.132424	1.336761
#1	4.000066	364.7825	.0384058	.0040213	4.554635	.0521339	.5234181
#2	3.969084	362.5428	.0379797	.0034800	5.591548	.0510197	.5163051
#3	3.989101	364.2179	.0391497	.0039402	5.069196	.0518873	.5096130

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.946403	1.585009	.0590536	.0008525	6.458866	5.260887	.0114964
Stddev	.171468	.005678	.0014864	.0005581	.023437	.041868	.0012826
%RSD	5.819567	.3582321	2.516964	65.46347	.3628631	.7958364	11.15677
#1	2.902199	1.586423	.0606873	.0014629	6.479158	5.307890	.0118480
#2	2.801365	1.578757	.0586923	.0007264	6.433213	5.227588	.0100747
#3	3.135645	1.589846	.0577812	.0003683	6.464227	5.247183	.0125666

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4978-08DLX2 Acquired: 12/21/2024 6:58:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ54 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4342207	.2563302	.0343096
Stddev	.0028554	.0014127	.0029665
%RSD	.6575944	.5511062	8.646278
#1	.4372489	.2564011	.0334811
#2	.4338362	.2548835	.0376023
#3	.4315771	.2577061	.0318455

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1745.730	21735.97	2332.269	1482.916	1783.696
Stddev	3.307	60.55	19.110	7.306	.674
%RSD	.1894337	.2785480	.8193933	.4926545	.0377700
#1	1743.194	21668.38	2311.010	1474.585	1782.943
#2	1744.524	21785.24	2348.023	1485.934	1783.906
#3	1749.470	21754.31	2337.773	1488.230	1784.241

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4978-09DLX2 Acquired: 12/21/2024 7:02:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ55 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0240758	.0180201	.2744612	-.007496	-.004181	19.10152	.1903346
Stddev	.0031618	.0018399	.0024483	.002741	.001895	.08010	.0017705
%RSD	13.13250	10.21012	.8920437	36.57031	45.31482	.4193549	.9301962
#1	.0217938	.0169198	.2748479	-.010471	-.003842	19.01615	.1888950
#2	.0276848	.0201442	.2718426	-.006946	-.002478	19.11339	.1897973
#3	.0227488	.0169964	.2766932	-.005071	-.006222	19.17503	.1923115

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027080	.0025023	652.2617	.0320924	.0656800	.0659004	55.51383
Stddev	.0001162	.0001037	3.4523	.0004843	.0009881	.0073201	.29799
%RSD	4.290842	4.145331	.5292839	1.509144	1.504402	11.10787	.5367916
#1	.0028288	.0024258	648.8423	.0315360	.0645915	.0737907	55.23347
#2	.0026980	.0026204	655.7460	.0323216	.0659283	.0645805	55.48125
#3	.0025971	.0024607	652.1967	.0324195	.0665203	.0593301	55.82678

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.942698	215.5760	.0591387	.0047196	1.529615	.0434336	.5216924
Stddev	.029085	1.0268	.0011572	.0010268	.929367	.0076490	.0099656
%RSD	.7376893	.4763201	1.956752	21.75610	60.75825	17.61073	1.910249
#1	3.909850	214.3909	.0591308	.0038075	.673000	.0421046	.5130214
#2	3.953065	216.1350	.0602998	.0045195	2.517728	.0516600	.5325795
#3	3.965179	216.2020	.0579855	.0058316	1.398118	.0365362	.5194764

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.992409	2.141507	.0627103	.0010230	4.891806	5.064998	.0361884
Stddev	.108204	.003568	.0024098	.0001407	.014999	.017988	.0013089
%RSD	2.710247	.1666055	3.842743	13.75130	.3066093	.3551431	3.617026
#1	3.879372	2.139407	.0600175	.0008776	4.877613	5.083254	.0350403
#2	4.002830	2.145626	.0646639	.0011584	4.890308	5.064449	.0376137
#3	4.095026	2.139486	.0634496	.0010329	4.907498	5.047291	.0359110

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4978-09DLX2 Acquired: 12/21/2024 7:02:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ55 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3090504	.3183209	.0495904
Stddev	.0055307	.0011272	.0046642
%RSD	1.789592	.3541172	9.405498
#1	.3096932	.3173893	.0442616
#2	.3032263	.3179995	.0529317
#3	.3142316	.3195739	.0515778

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1780.496	22180.56	2373.891	1509.498	1813.435
Stddev	6.356	73.74	5.590	6.706	5.760
%RSD	.3569552	.3324474	.2354832	.4442310	.3176352
#1	1787.608	22254.06	2370.686	1517.026	1819.928
#2	1775.373	22181.04	2380.346	1507.303	1808.940
#3	1778.506	22106.59	2370.642	1504.165	1811.438

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4979-03DLX2 Acquired: 12/21/2024 7:06:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ68 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0394327	-.009127	.1689799	.0470021	.0117435	43.30420	.5884187
Stddev	.0034628	.002272	.0017550	.0051172	.0031700	.05335	.0004663
%RSD	8.781555	24.89459	1.038585	10.88717	26.99344	.1231965	.0792520
#1	.0379591	-.006504	.1706622	.0514866	.0146157	43.36378	.5885409
#2	.0369505	-.010392	.1671603	.0414278	.0083423	43.26086	.5888117
#3	.0433886	-.010485	.1691173	.0480920	.0122724	43.28795	.5879034

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034400	.0035308	42.00048	.0460018	.0759549	.0747223	94.18346
Stddev	.0000420	.0000927	.09916	.0009926	.0001989	.0027511	.30055
%RSD	1.219608	2.624456	.2361027	2.157786	.2618278	3.681816	.3191148
#1	.0034437	.0034243	42.09315	.0449683	.0758745	.0763153	94.37398
#2	.0033963	.0035749	41.89590	.0460894	.0761814	.0715456	93.83699
#3	.0034799	.0035931	42.01238	.0469478	.0758089	.0763061	94.33941

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.21371	10.36334	.0777429	.0087068	1.054534	.0888162	.1694776
Stddev	.03344	.13634	.0006090	.0011970	.425054	.0066285	.0128891
%RSD	.1836073	1.315630	.7833321	13.74743	40.30728	7.463211	7.605184
#1	18.23551	10.45768	.0776629	.0088238	.565220	.0892913	.1552722
#2	18.17521	10.42533	.0783880	.0074557	1.266029	.0951944	.1727355
#3	18.23041	10.20702	.0771779	.0098410	1.332353	.0819629	.1804251

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8522768	3.051351	.0266510	.0012320	1.038503	5.065589	.0001876
Stddev	.0727248	.004989	.0008621	.0003912	.000822	.019004	.0013628
%RSD	8.533008	.1634970	3.234611	31.75667	.0791179	.3751573	726.2943
#1	.7699862	3.045685	.0259162	.0013621	1.038316	5.082468	-.001237
#2	.9079168	3.053286	.0276000	.0007922	1.039402	5.045005	.001479
#3	.8789276	3.055083	.0264370	.0015415	1.037791	5.069293	.000321

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4979-03DLX2 Acquired: 12/21/2024 7:06:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ68 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5335806	-.004586	.0312597
Stddev	.0011387	.000238	.0019832
%RSD	.2134132	5.180872	6.344158
#1	.5347813	-.004650	.0323990
#2	.5334442	-.004323	.0289698
#3	.5325161	-.004784	.0324105

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2203.239	27215.11	2762.125	1870.907	2100.489
Stddev	7.105	130.23	16.689	16.666	6.598
%RSD	.3224752	.4785054	.6042087	.8907779	.3140991
#1	2198.392	27140.46	2744.732	1860.400	2097.057
#2	2211.395	27139.39	2763.637	1862.199	2108.095
#3	2199.930	27365.48	2778.007	1890.123	2096.315

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4979-04DLX2 Acquired: 12/21/2024 7:10:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ68D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0368171	-.007886	.1691022	.0502579	.0109479	42.80857	.5839909
Stddev	.0037122	.005373	.0011252	.0016133	.0029496	.22659	.0041013
%RSD	10.08289	68.13130	.6654055	3.210137	26.94247	.5293073	.7022841
#1	.0386451	-.009986	.1702440	.0489299	.0102430	42.57340	.5793588
#2	.0392608	-.001780	.1679944	.0497903	.0084146	42.82684	.5854536
#3	.0325453	-.011891	.1690682	.0520533	.0141861	43.02547	.5871603

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034425	.0036008	41.71045	.0458904	.0758011	.0669937	93.09830
Stddev	.0000899	.0001122	.14766	.0002373	.0005064	.0052523	.44359
%RSD	2.611901	3.116833	.3540133	.5171031	.6680148	7.839966	.4764767
#1	.0035401	.0035440	41.59138	.0457161	.0755352	.0719299	92.59409
#2	.0034242	.0035282	41.66430	.0457945	.0754831	.0675772	93.27230
#3	.0033630	.0037300	41.87568	.0461607	.0763850	.0614740	93.42852

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.02066	10.12375	.0765213	.0098937	1.433598	.0844460	.1747262
Stddev	.10024	.10969	.0005867	.0005124	.659390	.0053863	.0090654
%RSD	.5562736	1.083513	.7667437	5.179148	45.99546	6.378366	5.188361
#1	17.91706	10.09387	.0765663	.0095400	2.190636	.0800201	.1642843
#2	18.02775	10.03210	.0770842	.0096598	.984613	.0904432	.1805861
#3	18.11717	10.24529	.0759134	.0104813	1.125546	.0828747	.1793080

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8940555	3.021520	.0252224	.0014431	1.025583	5.017630	-.000031
Stddev	.0721492	.005366	.0028234	.0000355	.004093	.043128	.001524
%RSD	8.069876	.1775808	11.19394	2.463499	.3990644	.8595362	4882.131
#1	.8113817	3.027714	.0220603	.0014401	1.021575	5.044553	-.001746
#2	.9442964	3.018568	.0274907	.0014800	1.025419	4.967886	.000482
#3	.9264885	3.018279	.0261162	.0014091	1.029756	5.040451	.001170

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4979-04DLX2 Acquired: 12/21/2024 7:10:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ68D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5323939	-.004677	.0265393
Stddev	.0029509	.000153	.0037406
%RSD	.5542775	3.272169	14.09465
#1	.5307673	-.004822	.0272422
#2	.5306142	-.004693	.0298786
#3	.5358002	-.004517	.0224971

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2189.081	26949.19	2746.208	1857.088	2084.315
Stddev	2.588	77.63	14.051	5.808	1.349
%RSD	.1182113	.2880633	.5116468	.3127546	.0647428
#1	2190.334	26984.05	2734.218	1862.717	2085.823
#2	2186.105	26860.24	2761.669	1851.116	2083.220
#3	2190.802	27003.27	2742.736	1857.432	2083.903

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4979-03LDLX10 Acquired: 12/21/2024 7:14:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ68L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080811	-.003175	.0326903	.0107838	-.000077	10.30761	.1403011
Stddev	.0050036	.001745	.0021221	.0008728	.001128	.01524	.0023315
%RSD	61.91764	54.94559	6.491443	8.093337	1458.991	.1478877	1.661762
#1	.0135470	-.001233	.0346753	.0100008	.000922	10.29573	.1417905
#2	.0037268	-.003685	.0304536	.0117248	.000146	10.32480	.1376143
#3	.0069694	-.004609	.0329419	.0106259	-.001300	10.30231	.1414986

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009447	.0007241	10.13502	.0104606	.0176411	.0180564	22.49111
Stddev	.0000048	.0000715	.07860	.0003566	.0006186	.0091285	.22295
%RSD	.5058327	9.867482	.7755112	3.409317	3.506523	50.55523	.9912977
#1	.0009428	.0006791	10.17257	.0100805	.0183261	.0078792	22.71729
#2	.0009412	.0008065	10.04469	.0107879	.0171232	.0207686	22.27153
#3	.0009501	.0006866	10.18780	.0105135	.0174740	.0255214	22.48452

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.380039	2.476066	.0155736	.0029103	.4507825	.0191311	.0416937
Stddev	.016160	.062810	.0007062	.0003005	.5252165	.0076403	.0081210
%RSD	.3689351	2.536679	4.534634	10.32527	116.5122	39.93642	19.47785
#1	4.397353	2.412339	.0162436	.0025644	.5284108	.0103276	.0475747
#2	4.365357	2.537917	.0148361	.0031069	.9328645	.0230357	.0450786
#3	4.377408	2.477941	.0156411	.0030596	-.108928	.0240301	.0324277

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.282225	.6145280	.0053853	.0000355	.2015894	1.243976	-.009316
Stddev	.214651	.0120287	.0019582	.0004675	.0064471	.011128	.000493
%RSD	76.05671	1.957381	36.36113	1317.977	3.198154	.8945732	5.287738
#1	-.503053	.6269632	.0075855	.0004846	.2081955	1.256788	-.008806
#2	-.269287	.6029520	.0047370	-.000448	.1953140	1.238422	-.009352
#3	-.074336	.6136689	.0038335	.000070	.2012587	1.236718	-.009790

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4979-03LDLX10 Acquired: 12/21/2024 7:14:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ68L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1273973	-.001016	.0083691
Stddev	.0032171	.000215	.0064361
%RSD	2.525216	21.19920	76.90313
#1	.1262144	-.001262	.0009373
#2	.1249393	-.000918	.0120990
#3	.1310384	-.000866	.0120710

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1963.909	23775.28	2388.977	1636.756	2201.395
Stddev	36.397	5.84	24.327	5.298	43.477
%RSD	1.853307	.0245729	1.018305	.3236689	1.974963
#1	1924.290	23769.70	2366.898	1635.940	2153.269
#2	1995.864	23774.80	2384.977	1631.914	2237.833
#3	1971.574	23781.35	2415.056	1642.415	2213.083

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4979-05DLX2 Acquired: 12/21/2024 7:18:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ68S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0799481	.0342321	.1899161	.1151269	.0791211	44.80256	2.264113
Stddev	.0016696	.0012955	.0014653	.0014211	.0014755	.15627	.012639
%RSD	2.088325	3.784617	.7715708	1.234377	1.864852	.3488045	.5582482
#1	.0818739	.0340855	.1882407	.1138180	.0797126	44.62282	2.249817
#2	.0790621	.0330161	.1905484	.1166385	.0774416	44.87860	2.273803
#3	.0789083	.0355947	.1909591	.1149241	.0802091	44.90626	2.268720

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0452747	.0515474	42.12503	.2216881	.5540354	.2707735	94.78674
Stddev	.0005046	.0001996	.10788	.0008388	.0007191	.0042519	.44760
%RSD	1.114509	.3871826	.2560976	.3783720	.1297949	1.570286	.4722188
#1	.0457823	.0513946	42.02227	.2226345	.5543692	.2710793	94.27174
#2	.0447732	.0514743	42.11543	.2210366	.5532100	.2663770	95.08205
#3	.0452687	.0517732	42.23739	.2213930	.5545269	.2748643	95.00643

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.58838	10.26222	.5682876	.0391987	.8436307	.5072118	.5393607
Stddev	.08809	.09506	.0007182	.0006416	.5170060	.0056299	.0128291
%RSD	.4739007	.9262821	.1263759	1.636751	61.28345	1.109969	2.378570
#1	18.48719	10.22978	.5687171	.0384680	.3168351	.5009180	.5258832
#2	18.64797	10.18763	.5686871	.0396697	1.350257	.5117683	.5514242
#3	18.62997	10.36925	.5674585	.0394584	.863800	.5089491	.5407747

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9348771	3.064987	.0240581	.0012224	1.039466	5.088545	.0004634
Stddev	.1332751	.016577	.0025859	.0004652	.006571	.012950	.0008562
%RSD	14.25590	.5408472	10.74849	38.05842	.6321866	.2544934	184.7784
#1	.9568809	3.069717	.0212712	.0016165	1.037601	5.098978	-.000502
#2	1.055781	3.046559	.0245233	.0013415	1.034029	5.074051	.001130
#3	.791969	3.078684	.0263798	.0007092	1.046768	5.092605	.000763

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4979-05DLX2 Acquired: 12/21/2024 7:18:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ68S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5323969	-.005721	.0285343
Stddev	.0032979	.000208	.0021673
%RSD	.6194468	3.633354	7.595549
#1	.5315165	-.005923	.0291717
#2	.5360457	-.005508	.0261197
#3	.5296286	-.005733	.0303114

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2194.685	27138.05	2761.658	1869.148	2089.444
Stddev	7.419	80.24	.342	6.457	8.497
%RSD	.3380389	.2956660	.0123994	.3454510	.4066562
#1	2186.364	27189.54	2762.049	1876.574	2079.815
#2	2197.081	27045.59	2761.513	1866.009	2095.890
#3	2200.609	27179.01	2761.412	1864.860	2092.627

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4979-06DLX2 Acquired: 12/21/2024 7:22:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ69 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0360271	.0095015	.1583238	.0223428	.0026406	37.25706	.4520784
Stddev	.0023047	.0013069	.0023899	.0007464	.0015249	.15673	.0018851
%RSD	6.397103	13.75425	1.509526	3.340764	57.74748	.4206790	.4169935
#1	.0380032	.0107227	.1610834	.0217453	.0022860	37.10982	.4501331
#2	.0334954	.0081232	.1569433	.0231795	.0043115	37.23956	.4522051
#3	.0365827	.0096585	.1569446	.0221036	.0013243	37.42181	.4538970

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032545	.0028663	455.7250	.0431304	.0898309	.0838325	92.09548
Stddev	.0000390	.0001045	1.0872	.0005629	.0006860	.0080755	.24807
%RSD	1.198063	3.647203	.2385566	1.305146	.7636619	9.632958	.2693576
#1	.0032915	.0027918	455.4801	.0437415	.0900686	.0764029	92.04780
#2	.0032581	.0028212	454.7812	.0430165	.0890577	.0924273	91.87472
#3	.0032138	.0029858	456.9137	.0426331	.0903665	.0826671	92.36393

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.80817	14.00177	.0758942	.0083836	.7773919	.0888612	.1628581
Stddev	.05724	.11063	.0006840	.0009056	.1807571	.0014349	.0206698
%RSD	.3865629	.7900803	.9012705	10.80202	23.25173	1.614790	12.69191
#1	14.77904	13.87406	.0751879	.0073942	.7797992	.0876901	.1569393
#2	14.77134	14.06805	.0759414	.0091714	.9569332	.0884316	.1457934
#3	14.87412	14.06319	.0765534	.0085854	.5954432	.0904618	.1858417

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.161521	3.607970	.0270921	.0013130	.9134708	4.470623	.0064427
Stddev	.133259	.036936	.0040339	.0003471	.0140635	.023755	.0008664
%RSD	11.47280	1.023727	14.88955	26.43656	1.539571	.5313606	13.44748
#1	1.243525	3.599308	.0250714	.0012380	.9067359	4.483341	.0068462
#2	1.007760	3.576135	.0244679	.0016915	.9040412	4.485312	.0070336
#3	1.233277	3.648467	.0317370	.0010095	.9296353	4.443217	.0054481

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4979-06DLX2 Acquired: 12/21/2024 7:22:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ69 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5633498	.1968750	.0359182
Stddev	.0034219	.0005181	.0005552
%RSD	.6074278	.2631653	1.545862
#1	.5606881	.1962776	.0358281
#2	.5621517	.1972010	.0354135
#3	.5672097	.1971464	.0365130

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2060.851	25464.59	2687.991	1748.858	1931.565
Stddev	10.137	206.58	10.784	16.480	13.386
%RSD	.4918805	.8112315	.4011755	.9423052	.6930235
#1	2064.079	25267.25	2675.568	1734.746	1939.325
#2	2068.981	25679.31	2693.466	1766.969	1939.262
#3	2049.493	25447.22	2694.938	1744.859	1916.108

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4979-14DLX2 Acquired: 12/21/2024 7:26:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJA2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0316330	.0177972	.1839268	.0092437	-.000846	18.02703
Stddev	.0025320	.0026194	.0011608	.0045525	.000648	.02140
%RSD	8.004403	14.71778	.6311242	49.24937	76.65732	.1187235
#1	.0344673	.0208176	.1825871	.0039940	-.001566	18.01492
#2	.0295942	.0164257	.1846337	.0116338	-.000311	18.05175
#3	.0308376	.0161484	.1845596	.0121034	-.000659	18.01444

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3827199	.0020389	.0022258	F 967.6537	.0922139	.0697192
Stddev	.0013085	.0000607	.0000649	1.3973	.0001992	.0005076
%RSD	.3418941	2.977984	2.915818	.1444041	.2160528	.7280906
#1	.3820548	.0019887	.0022888	966.1085	.0920194	.0691341
#2	.3842273	.0020217	.0021592	968.0240	.0924176	.0700422
#3	.3818775	.0021064	.0022294	968.8285	.0922047	.0699813

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1653499	83.18988	13.49397	16.18379	.0600955	.0079561
Stddev	.0091505	.12829	.03475	.00812	.0006000	.0010744
%RSD	5.534021	.1542135	.2575491	.0501907	.9983336	13.50406
#1	.1588290	83.05474	13.50288	16.18024	.0596212	.0091331
#2	.1758103	83.31000	13.52340	16.19308	.0607699	.0077071
#3	.1614103	83.20491	13.45563	16.17803	.0598953	.0070281

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.203029	.0543432	.2226600	1.320713	3.503008	.0330970
Stddev	.684385	.0105522	.0114009	.105181	.004768	.0014572
%RSD	56.88847	19.41775	5.120294	7.963971	.1361156	4.402727
#1	1.471329	.0664146	.2336568	1.421952	3.498259	.0347630
#2	.425145	.0497431	.2234290	1.211990	3.502969	.0320604
#3	1.712614	.0468719	.2108941	1.328197	3.507795	.0324675

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4979-14DLX2 Acquired: 12/21/2024 7:26:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJA2 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0073457	.7381925	5.314901	.0103972	.2145565	.5377289
Stddev	.0006432	.0053733	.023490	.0019642	.0030194	.0009529
%RSD	8.756717	.7279000	.4419634	18.89162	1.407279	.1772154
#1	.0067447	.7329278	5.287850	.0126401	.2150702	.5387523
#2	.0080242	.7436682	5.330155	.0095674	.2113132	.5375671
#3	.0072681	.7379814	5.326697	.0089841	.2172861	.5368672

Elem	Li6707
Units	ppm
Avg	.0364792
Stddev	.0031266
%RSD	8.570814
#1	.0349421
#2	.0400768
#3	.0344187

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1929.273	23768.98	2552.994	1627.245	1883.084
Stddev	2.806	71.82	.645	7.705	4.169
%RSD	.1454200	.3021779	.0252548	.4735262	.2214101
#1	1930.892	23688.87	2553.737	1618.348	1886.718
#2	1930.892	23827.63	2552.575	1631.675	1884.000
#3	1926.033	23790.43	2552.672	1631.713	1878.532

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4979-15DLX2 Acquired: 12/21/2024 7:29:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJA3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0467004	.0125975	.2338834	.0144123	-.001441	25.88612	.4093995
Stddev	.0069339	.0019066	.0005809	.0054432	.002278	.08115	.0027333
%RSD	14.84754	15.13441	.2483721	37.76759	158.1257	.3134706	.6676400
#1	.0387677	.0138883	.2332149	.0184782	-.002812	25.79348	.4063238
#2	.0516059	.0134966	.2341699	.0082285	.001189	25.92028	.4103237
#3	.0497278	.0104077	.2342653	.0165301	-.002698	25.94460	.4115508

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026961	.0024276	538.5488	.0475844	.0732127	.2155597	76.70637
Stddev	.0000612	.0001518	1.6960	.0008979	.0007733	.0010806	.39069
%RSD	2.268531	6.253920	.3149117	1.886870	1.056259	.5012873	.5093363
#1	.0026700	.0023594	536.6825	.0465477	.0741044	.2162333	76.26350
#2	.0027660	.0026016	539.9958	.0481093	.0728062	.2161324	76.85336
#3	.0026524	.0023220	538.9682	.0480963	.0727274	.2143133	77.00225

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.62265	19.07477	.0722891	.0062198	.9105542	.0579348	.2669588
Stddev	.05594	.06617	.0013957	.0005209	.1739282	.0083190	.0110604
%RSD	.4813338	.3468921	1.930673	8.375039	19.10136	14.35920	4.143119
#1	11.55819	19.06425	.0733707	.0064399	.8080463	.0569884	.2601962
#2	11.65121	19.01448	.0707137	.0056249	1.111375	.0501294	.2609576
#3	11.65854	19.14556	.0727829	.0065945	.812242	.0666864	.2797227

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.998565	4.423124	.0333578	.0071075	.8896498	5.199552	.0089029
Stddev	.159394	.016223	.0017652	.0005727	.0080394	.014297	.0013906
%RSD	7.975444	.3667686	5.291602	8.057206	.9036619	.2749719	15.61911
#1	1.827609	4.406703	.0332935	.0075150	.8804354	5.214968	.0076270
#2	2.024993	4.423528	.0316257	.0073548	.8932811	5.186728	.0086967
#3	2.143095	4.439141	.0351542	.0064528	.8952330	5.196960	.0103851

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4979-15DLX2 Acquired: 12/21/2024 7:29:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJA3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3282432	.3328339	.0412888
Stddev	.0010572	.0018761	.0035034
%RSD	.3220878	.5636686	8.485162
#1	.3271580	.3307634	.0384383
#2	.3283016	.3333176	.0452000
#3	.3292700	.3344208	.0402281

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1946.065	24108.46	2540.318	1653.417	1912.070
Stddev	5.540	39.79	9.974	5.154	4.173
%RSD	.2846682	.1650320	.3926396	.3117262	.2182362
#1	1939.705	24066.91	2529.327	1648.617	1907.389
#2	1949.837	24112.26	2548.795	1652.770	1913.419
#3	1948.653	24146.21	2542.831	1658.864	1915.401

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4979-16DLX2 Acquired: 12/21/2024 7:33:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJA4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0312656	.0266561	.1156135	.0021318	-.008716	14.87615
Stddev	.0045616	.0036481	.0015438	.0053711	.000771	.08981
%RSD	14.58979	13.68576	1.335345	251.9496	8.850902	.6037167
#1	.0260979	.0286382	.1138622	.0065327	-.008183	14.77495
#2	.0329667	.0224460	.1162008	.0037160	-.008364	14.94634
#3	.0347322	.0288839	.1167775	-.003853	-.009601	14.90717

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3425154	.0017428	.0015124	F 964.2391	.0255427	.0723768
Stddev	.0008070	.0000513	.0000409	4.9182	.0010142	.0007742
%RSD	.2356214	2.944027	2.704311	.5100573	3.970611	1.069713
#1	.3416332	.0017159	.0015593	959.3071	.0263390	.0719156
#2	.3432166	.0017105	.0014838	969.1433	.0258881	.0719441
#3	.3426964	.0018020	.0014941	964.2669	.0244009	.0732706

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1501012	72.27124	12.23743	16.43427	.0490692	.0070986
Stddev	.0006043	.40572	.05230	.06929	.0006666	.0001378
%RSD	.4026019	.5613812	.4273839	.4216340	1.358532	1.941777
#1	.1496336	71.81524	12.18229	16.35620	.0492862	.0072349
#2	.1507836	72.59226	12.28633	16.48847	.0496003	.0071017
#3	.1498864	72.40621	12.24368	16.45815	.0483212	.0069592

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8585319	.0374042	.1489996	1.294893	3.358465	.0286532
Stddev	1.172201	.0073314	.0084939	.223468	.009032	.0029897
%RSD	136.5356	19.60048	5.700638	17.25765	.2689427	10.43404
#1	.761602	.0293242	.1433797	1.036956	3.349961	.0252778
#2	2.076189	.0436315	.1448483	1.417576	3.357488	.0297139
#3	-.262195	.0392569	.1587708	1.430147	3.367946	.0309680

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4979-16DLX2 Acquired: 12/21/2024 7:33:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJA4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0055950	.6843164	6.036127	.0074161	.2004232	.4997469
Stddev	.0006303	.0092585	.027384	.0012890	.0079148	.0022868
%RSD	11.26552	1.352952	.4536643	17.38177	3.949059	.4575854
#1	.0062079	.6939511	6.064979	.0069387	.2007358	.4973857
#2	.0049486	.6835114	6.032907	.0088758	.1923567	.5019511
#3	.0056287	.6754867	6.010496	.0064338	.2081772	.4999038

Elem	Li6707
Units	ppm
Avg	.0282579
Stddev	.0063093
%RSD	22.32765
#1	.0308107
#2	.0210722
#3	.0328908

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1863.676	23011.99	2462.124	1575.662	1856.062
Stddev	2.326	63.04	8.488	4.396	1.350
%RSD	.1247968	.2739492	.3447468	.2789931	.0727372
#1	1861.552	23067.22	2464.371	1571.706	1854.506
#2	1863.315	22943.31	2452.738	1580.395	1856.747
#3	1866.161	23025.45	2469.262	1574.885	1856.932

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4979-17DLX2 Acquired: 12/21/2024 7:37:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0218592	.0207151	.2621178	-.015791	-.013280	11.11883	.1785596
Stddev	.0012111	.0045726	.0045741	.003971	.002746	.04744	.0012654
%RSD	5.540398	22.07362	1.745048	25.14939	20.67755	.4266629	.7086461
#1	.0219959	.0161705	.2614936	-.020237	-.010202	11.11194	.1770990
#2	.0229962	.0253152	.2578879	-.012596	-.014158	11.07522	.1792576
#3	.0205856	.0206597	.2669719	-.014538	-.015479	11.16934	.1793224

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015792	.0069402	792.2110	.0237679	.0559843	.1266251	50.47039
Stddev	.0000184	.0001050	4.6272	.0003451	.0009218	.0075319	.28136
%RSD	1.164327	1.513347	.5840900	1.452040	1.646451	5.948161	.5574817
#1	.0015999	.0070608	788.7860	.0237803	.0560606	.1256727	50.26945
#2	.0015649	.0068693	790.3720	.0241067	.0550268	.1196147	50.34976
#3	.0015727	.0068904	797.4750	.0234168	.0568655	.1345878	50.79195

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.872247	403.9289	.0393815	.0069251	2.122666	.0215351	1.111816
Stddev	.032340	2.1526	.0011033	.0010157	.397103	.0102566	.018411
%RSD	.6637692	.5329065	2.801637	14.66763	18.70774	47.62718	1.655962
#1	4.843432	401.8188	.0382301	.0068439	1.915875	.0161220	1.091635
#2	4.866084	403.8465	.0394849	.0079789	1.871633	.0151191	1.116118
#3	4.907226	406.1216	.0404295	.0059523	2.580488	.0333642	1.127696

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.276008	1.025711	.0533768	.0001376	11.17153	4.966657	.0215838
Stddev	.208088	.007778	.0021391	.0007201	.07088	.037133	.0011960
%RSD	9.142665	.7583174	4.007586	523.2459	.6344725	.7476451	5.541348
#1	2.058614	1.025458	.0545621	-.000458	11.13957	4.979512	.0229639
#2	2.473336	1.018062	.0546608	.000938	11.12225	4.924805	.0209384
#3	2.296075	1.033613	.0509074	-.000067	11.25276	4.995655	.0208490

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4979-17DLX2 Acquired: 12/21/2024 7:37:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1729197	.3476471	.0373642
Stddev	.0039396	.0017337	.0049714
%RSD	2.278282	.4986817	13.30522
#1	.1689120	.3459022	.0325924
#2	.1730597	.3476697	.0369866
#3	.1767875	.3493693	.0425136

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1766.861	22158.46	2379.534	1499.986	1811.901
Stddev	12.265	52.29	11.862	4.093	13.336
%RSD	.6941562	.2359663	.4985128	.2728814	.7360296
#1	1770.314	22218.17	2375.723	1497.982	1817.645
#2	1777.030	22120.87	2392.833	1504.695	1821.402
#3	1753.241	22136.34	2370.045	1497.282	1796.655

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-01DLX2 Acquired: 12/21/2024 7:41:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ70 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0258899	.0141496	.6417765	-.004833	-.005038	17.77757	.2158389
Stddev	.0017152	.0042848	.0016974	.005246	.002041	.27298	.0031647
%RSD	6.624841	30.28233	.2644837	108.5280	40.50715	1.535536	1.466220
#1	.0278628	.0164313	.6437158	-.010877	-.007313	17.76204	.2149059
#2	.0250540	.0168107	.6410522	-.001470	-.004430	17.51269	.2132456
#3	.0247530	.0092067	.6405613	-.002152	-.003370	18.05799	.2193652

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022664	.0038645	535.0969	.0522393	.0592336	.1245965	57.46685
Stddev	.0000818	.0001164	7.1876	.0002584	.0004158	.0045133	.66010
%RSD	3.609071	3.010752	1.343226	.4946551	.7020210	3.622348	1.148663
#1	.0022839	.0038965	535.3830	.0522081	.0587590	.1273146	57.49196
#2	.0023380	.0037354	527.7706	.0525119	.0595340	.1193866	56.79455
#3	.0021773	.0039614	542.1371	.0519979	.0594077	.1270883	58.11404

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.422096	286.7580	.0926439	.0055823	1.178448	.0491132	.8173811
Stddev	.061927	4.2246	.0008436	.0010545	.097201	.0021770	.0116908
%RSD	1.400392	1.473225	.9106260	18.88925	8.248205	4.432618	1.430275
#1	4.430875	286.6700	.0935358	.0067931	1.227329	.0515976	.8054115
#2	4.356248	282.5780	.0925375	.0048651	1.241507	.0482032	.8287715
#3	4.479164	291.0258	.0918586	.0050889	1.066509	.0475390	.8179604

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.280840	3.073832	.0528206	.0033095	8.495248	5.400402	.0334528
Stddev	.085528	.006992	.0024037	.0004464	.007684	.041188	.0015465
%RSD	2.606904	.2274542	4.550619	13.48908	.0904549	.7626904	4.623005
#1	3.195511	3.066757	.0501820	.0037010	8.496105	5.421537	.0348470
#2	3.280442	3.074002	.0548855	.0028233	8.487171	5.352936	.0337219
#3	3.366566	3.080737	.0533944	.0034043	8.502468	5.426732	.0317893

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-01DLX2 Acquired: 12/21/2024 7:41:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ70 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3052245	.1760978	.0361254
Stddev	.0096843	.0025658	.0034001
%RSD	3.172838	1.457012	9.412037
#1	.3091130	.1765570	.0365027
#2	.2942003	.1733334	.0325523
#3	.3123602	.1784029	.0393211

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1760.366	21924.59	2342.574	1492.093	1825.955
Stddev	3.245	62.20	23.299	3.883	1.217
%RSD	.1843144	.2837219	.9946083	.2602672	.0666448
#1	1763.602	21855.06	2329.771	1490.688	1827.350
#2	1760.385	21974.97	2369.467	1489.108	1825.112
#3	1757.112	21943.74	2328.483	1496.483	1825.403

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-02DLX2 Acquired: 12/21/2024 7:45:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ71 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0258013	.0211232	.4681502	-.017124	-.009681	12.85338	.1542380
Stddev	.0041959	.0015111	.0010333	.004254	.000902	.08678	.0020922
%RSD	16.26242	7.153943	.2207147	24.84047	9.311785	.6751329	1.356487
#1	.0302151	.0194888	.4669825	-.013798	-.010539	12.76328	.1518292
#2	.0218640	.0224697	.4685219	-.021917	-.008742	12.86045	.1552821
#3	.0253247	.0214110	.4689463	-.015657	-.009763	12.93641	.1556027

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017854	.0041072	768.4324	.0377656	.0594580	.0786342	53.21253
Stddev	.0001294	.0001072	2.6640	.0007129	.0008476	.0075489	.28178
%RSD	7.250002	2.609861	.3466856	1.887837	1.425554	9.599963	.5295361
#1	.0018315	.0041079	765.4944	.0369990	.0589827	.0811161	52.90974
#2	.0018855	.0042140	769.1120	.0384087	.0604366	.0846297	53.26077
#3	.0016392	.0039997	770.6908	.0378891	.0589547	.0701569	53.46707

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.460506	422.9559	.0708415	.0051803	1.303289	.0350639	.8632098
Stddev	.029386	2.2798	.0013979	.0017327	.600463	.0069505	.0130834
%RSD	.5381630	.5390108	1.973340	33.44814	46.07291	19.82223	1.515672
#1	5.427408	420.9679	.0716779	.0040219	.755646	.0429711	.8734888
#2	5.470580	422.4556	.0692277	.0071723	1.945379	.0323003	.8676584
#3	5.483531	425.4443	.0716190	.0043467	1.208843	.0299204	.8484821

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.357615	2.507833	.0542387	.0019560	9.689621	5.123499	.0240878
Stddev	.144532	.003196	.0014852	.0005762	.020061	.045052	.0020098
%RSD	6.130419	.1274251	2.738221	29.45921	.2070387	.8793269	8.343662
#1	2.223208	2.509769	.0538477	.0019992	9.693299	5.105252	.0220049
#2	2.339142	2.504145	.0529881	.0025094	9.667976	5.090433	.0242429
#3	2.510495	2.509585	.0558803	.0013594	9.707589	5.174813	.0260155

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-02DLX2 Acquired: 12/21/2024 7:45:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ71 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1962043	.2201222	.0371500
Stddev	.0024031	.0009476	.0007290
%RSD	1.224808	.4304656	1.962387
#1	.1934659	.2193099	.0373950
#2	.1979622	.2198936	.0363301
#3	.1971847	.2211632	.0377250

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1724.377	21613.89	2303.743	1465.189	1772.080
Stddev	2.848	62.67	20.388	8.463	2.644
%RSD	.1651843	.2899644	.8849899	.5776179	.1491772
#1	1724.250	21543.23	2301.058	1455.532	1772.398
#2	1727.286	21662.74	2325.340	1471.311	1774.550
#3	1721.594	21635.72	2284.831	1468.725	1769.292

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV090 Acquired: 12/21/2024 7:49:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV090 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.796093	4.669315	24.25163	4.693474	4.705216	398.7147	9.987893
Stddev	.014836	.010778	.04385	.015228	.016159	3.5763	.068201
%RSD	.3093266	.2308366	.1808213	.3244570	.3434281	.8969582	.6828391
#1	4.781000	4.656911	24.20462	4.680200	4.696839	394.6340	9.909144
#2	4.796622	4.674638	24.29142	4.690125	4.694965	400.2069	10.02671
#3	4.810657	4.676396	24.25886	4.710099	4.723843	401.3033	10.02782

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5038222	2.444011	398.6434	15.21929	2.433027	14.80830	398.8209
Stddev	.0037125	.003621	3.3712	.03725	.006255	.14608	3.4909
%RSD	.7368741	.1481643	.8456558	.2447329	.2570717	.9864460	.8753152
#1	.4996254	2.439830	394.7891	15.21058	2.425860	14.64409	394.8618
#2	.5051638	2.446020	400.0983	15.18716	2.435844	14.85703	400.1442
#3	.5066775	2.446181	401.0427	15.26011	2.437378	14.92379	401.4568

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.67530	395.1916	2.450613	1.271437	394.4453	2.442136	14.85014
Stddev	.13758	3.6829	.004043	.001030	2.3909	.029048	.05698
%RSD	.9374932	.9319269	.1649705	.0810451	.6061451	1.189435	.3836984
#1	14.51645	390.9757	2.446345	1.271314	391.7181	2.410718	14.80169
#2	14.75624	396.8163	2.451109	1.270474	396.1807	2.447674	14.91292
#3	14.75321	397.7827	2.454385	1.272524	395.4372	2.468015	14.83583

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	148.4550	4.826759	4.900997	4.700236	4.761091	4.931867	4.807243
Stddev	.9041	.009828	.032912	.011014	.001997	.034649	.008339
%RSD	.6089919	.2036088	.6715442	.2343324	.0419388	.7025554	.1734669
#1	147.4179	4.817121	4.873819	4.689490	4.759286	4.897077	4.798433
#2	148.8707	4.826390	4.891580	4.699717	4.763236	4.932151	4.815014
#3	149.0765	4.836766	4.937591	4.711500	4.760751	4.966373	4.808280

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV090 Acquired: 12/21/2024 7:49:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV090 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	4.860207	4.723295	5.067242
Stddev	.044130	.036379	.044019
%RSD	.9079765	.7702015	.8686879
#1	4.810045	4.681538	5.017582
#2	4.877524	4.740212	5.082690
#3	4.893051	4.748136	5.101455

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1535.944	20360.99	2227.092	1293.311	1758.779
Stddev	3.085	15.95	11.216	3.491	5.169
%RSD	.2008656	.0783417	.5036308	.2699645	.2939159
#1	1536.001	20345.72	2239.977	1296.013	1758.663
#2	1532.830	20377.54	2221.781	1289.368	1753.668
#3	1539.000	20359.70	2219.518	1294.550	1764.005

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCB090 Acquired: 12/21/2024 7:52:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB090 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035787	.0034294	.0030703	.0012365	-.002719	.0147938
Stddev	.0025421	.0027632	.0029912	.0011575	.001851	.0133753
%RSD	71.03328	80.57282	97.42406	93.60678	68.08705	90.41150
#1	.0006573	.0039160	.0054490	.0018183	-.004840	.0121826
#2	.0052868	.0004553	.0040497	.0019877	-.001427	.0029167
#3	.0047921	.0059170	-.000288	-.000096	-.001890	.0292822

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013672	.0002024	.0002669	.0454892	.0009969	.0003349
Stddev	.0014546	.0000318	.0000263	.0127608	.0004383	.0004533
%RSD	106.3894	15.73434	9.835298	28.05229	43.96708	135.3738
#1	.0010960	.0002390	.0002881	.0309021	.0005300	.0003396
#2	.0000674	.0001863	.0002375	.0545854	.0013996	-.000121
#3	.0029384	.0001817	.0002750	.0509800	.0010612	.000786

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003986	.0285965	.0013073	.0269256	.0007575	.0004767
Stddev	.000138	.0269421	.0017200	.0707681	.0004014	.0012245
%RSD	3.473797	94.21466	131.5759	262.8281	52.98878	256.8629
#1	-.004023	.0054091	-.000334	.0719681	.0004367	.0018789
#2	-.003833	.0581522	.003096	.0634510	.0012076	-.000382
#3	-.004102	.0222281	.001160	-.054642	.0006282	-.000067

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8406936	-.004856	-.002117	-.488027	-.002864	.0123882
Stddev	1.168992	.005109	.011795	.033759	.001091	.0021407
%RSD	139.0509	105.2181	557.2372	6.917436	38.08802	17.28015
#1	-.153175	-.008552	.010982	-.507343	-.002018	.0100165
#2	2.128647	-.006990	-.011897	-.449046	-.004095	.0141772
#3	.546609	.000974	-.005435	-.507692	-.002480	.0129710

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCB090 Acquired: 12/21/2024 7:52:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB090 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004104	-.007440	-.003374	F -.012702	.0043529	.0003194
Stddev	.0003928	.006417	.000528	.000593	.0024733	.0001000
%RSD	95.70365	86.25132	15.63628	4.668223	56.82055	31.31043
#1	-.000026	-.010611	-.002765	-.013186	.0015102	.0004297
#2	.000735	-.011653	-.003689	-.012041	.0055359	.0002348
#3	.000522	-.000055	-.003668	-.012880	.0060125	.0002936

Elem	Li6707
Units	ppm
Avg	F .0187353
Stddev	.0032741
%RSD	17.47543
#1	.0216715
#2	.0193295
#3	.0152048

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1850.308	22890.78	2323.391	1578.020	2178.720
Stddev	1.940	20.64	19.823	7.701	2.171
%RSD	.1048255	.0901507	.8531764	.4880282	.0996339
#1	1848.174	22871.46	2303.371	1586.475	2179.728
#2	1851.963	22888.35	2343.010	1571.407	2176.228
#3	1850.787	22912.52	2323.792	1576.177	2180.203

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-03DLX2 Acquired: 12/21/2024 7:56:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ72 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0286396	.0266233	.4203458	-.015309	-.013656	11.84962
Stddev	.0043594	.0028453	.0030871	.001732	.003448	.05724
%RSD	15.22174	10.68729	.7344305	11.31685	25.24855	.4830956
#1	.0253910	.0277167	.4218947	-.016780	-.010009	11.90034
#2	.0335940	.0233934	.4223518	-.015746	-.016863	11.86097
#3	.0269337	.0287597	.4167908	-.013399	-.014097	11.78755

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1282987	.0016813	.0072529	F 992.2677	.0338663	.0607059
Stddev	.0004007	.0000689	.0000885	1.6911	.0007118	.0004137
%RSD	.3122810	4.094923	1.219757	.1704321	2.101913	.6814152
#1	.1279560	.0017602	.0073294	991.8851	.0342621	.0608039
#2	.1282009	.0016499	.0071560	994.1174	.0330445	.0610617
#3	.1287392	.0016337	.0072733	990.8006	.0342923	.0602520

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0756234	57.10810	6.994488	547.2548	.0580691	.0076153
Stddev	.0049851	.06562	.020608	.9454	.0006107	.0008295
%RSD	6.591971	.1149039	.2946378	.1727561	1.051587	10.89303
#1	.0700091	57.09221	7.010716	547.4754	.0577213	.0067852
#2	.0773301	57.18021	7.001448	548.0704	.0587742	.0076165
#3	.0795309	57.05189	6.971301	546.2186	.0577117	.0084443

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.486071	.0325134	1.505956	3.695465	1.697955	.0743609
Stddev	.766841	.0047073	.026423	.190045	.010733	.0030777
%RSD	51.60195	14.47820	1.754584	5.142641	.6321207	4.138913
#1	2.228172	.0272072	1.507330	3.526281	1.708452	.0725032
#2	1.533363	.0341455	1.531666	3.901092	1.698414	.0779135
#3	.696678	.0361875	1.478873	3.659022	1.687000	.0726659

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-03DLX2 Acquired: 12/21/2024 7:56:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ72 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012837	13.53862	4.601549	.0293231	.1484898	.2932737
Stddev	.0008062	.05065	.047303	.0025098	.0021058	.0002747
%RSD	62.80695	.3740904	1.027989	8.559231	1.418177	.0936547
#1	.0018619	13.59483	4.646215	.0294335	.1507423	.2932525
#2	.0016263	13.52449	4.551989	.0317759	.1465704	.2935583
#3	.0003627	13.49654	4.606443	.0267599	.1481567	.2930102

Elem	Li6707
Units	ppm
Avg	.0482478
Stddev	.0054911
%RSD	11.38102
#1	.0521410
#2	.0506352
#3	.0419671

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1691.116	21151.19	2296.919	1439.752	1712.575
Stddev	7.418	120.77	20.687	3.256	7.592
%RSD	.4386375	.5709863	.9006483	.2261530	.4433366
#1	1688.427	21200.58	2274.862	1439.695	1708.691
#2	1685.418	21013.55	2315.890	1436.525	1707.710
#3	1699.504	21239.43	2300.004	1443.037	1721.324

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-05DLX2 Acquired: 12/21/2024 8:00:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ74 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0434153	-.009177	2.157936	.0148509	.0011958	38.79664	.8563625
Stddev	.0010953	.005147	.013643	.0018197	.0028936	.03816	.0026213
%RSD	2.522890	56.07921	.6322409	12.25331	241.9807	.0983525	.3060995
#1	.0446577	-.007268	2.171734	.0127912	.0038792	38.79486	.8593848
#2	.0429991	-.005258	2.157622	.0162408	-.001870	38.83566	.8547082
#3	.0425891	-.015006	2.144453	.0155208	.001578	38.75940	.8549944

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0037832	.0083041	429.7553	.0998893	.0745025	.8352937	95.30079
Stddev	.0002109	.0001663	.9475	.0008596	.0010923	.0015375	.26504
%RSD	5.574526	2.002684	.2204667	.8605352	1.466171	.1840614	.2781044
#1	.0039800	.0083498	430.3343	.1003150	.0755143	.8335189	95.41933
#2	.0035606	.0084427	430.2697	.1004530	.0746488	.8361456	94.99717
#3	.0038090	.0081197	428.6619	.0989000	.0733444	.8362167	95.48587

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.333536	207.3599	.1231269	.0111948	1.790531	.0883249	2.549140
Stddev	.013173	.1829	.0007461	.0003764	.265113	.0021415	.018002
%RSD	.3039807	.0881969	.6059871	3.362522	14.80640	2.424592	.7062029
#1	4.348360	207.5494	.1239389	.0116151	2.096327	.0907423	2.563980
#2	4.329077	207.3458	.1229703	.0110804	1.625327	.0875670	2.554326
#3	4.323172	207.1844	.1224715	.0108888	1.649938	.0866654	2.529114

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.227545	3.360061	.0533392	.0051804	4.579345	6.122520	.4315389
Stddev	.065866	.022087	.0038170	.0005595	.045330	.023698	.0006073
%RSD	1.558014	.6573259	7.156157	10.80034	.9898893	.3870600	.1407344
#1	4.249990	3.381768	.0575548	.0057694	4.631687	6.124701	.4322399
#2	4.279255	3.360802	.0523459	.0051160	4.552836	6.145052	.4311727
#3	4.153391	3.337613	.0501171	.0046560	4.553513	6.097807	.4312040

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-05DLX2 Acquired: 12/21/2024 8:00:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ74 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6432962	.2129196	.0763009
Stddev	.0042128	.0000236	.0046216
%RSD	.6548757	.0110692	6.057009
#1	.6420626	.2128983	.0711635
#2	.6398378	.2129449	.0801202
#3	.6479880	.2129155	.0776189

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1802.619	22500.22	2381.008	1542.627	1865.433
Stddev	7.509	100.97	11.735	11.033	5.193
%RSD	.4165491	.4487524	.4928401	.7152288	.2784001
#1	1810.874	22444.76	2378.148	1537.585	1871.241
#2	1796.195	22439.13	2370.968	1535.016	1861.238
#3	1800.789	22616.76	2393.908	1555.281	1863.819

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-10DLX2 Acquired: 12/21/2024 8:04:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ86 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1621975	.0172240	.4286178	-.004810	-.009555	15.63497
Stddev	.0038256	.0029774	.0008797	.003754	.003127	.15587
%RSD	2.358634	17.28658	.2052405	78.03356	32.72379	.9969378
#1	.1666082	.0137862	.4295494	-.004596	-.006856	15.46597
#2	.1602038	.0189099	.4285029	-.008666	-.012981	15.77309
#3	.1597805	.0189759	.4278013	-.001168	-.008828	15.66585

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3594996	.0022419	.0146694	F 853.3539	.0357367	.0633179
Stddev	.0028634	.0001038	.0001093	7.6559	.0002414	.0004087
%RSD	.7965073	4.631454	.7448947	.8971569	.6754219	.6455581
#1	.3562186	.0021647	.0147734	844.5172	.0354640	.0631085
#2	.3614946	.0022011	.0145555	857.9901	.0358231	.0630562
#3	.3607857	.0023600	.0146793	857.5545	.0359229	.0637889

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0862725	64.73647	5.563678	447.6200	.0593701	.0057016
Stddev	.0048471	.50394	.042173	3.3161	.0004346	.0010531
%RSD	5.618418	.7784448	.7580018	.7408403	.7320230	18.46975
#1	.0901693	64.15458	5.516011	443.9472	.0596038	.0050542
#2	.0808447	65.02670	5.596140	450.3944	.0588686	.0069167
#3	.0878036	65.02814	5.578884	448.5184	.0596378	.0051338

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8409031	.0381019	3.078264	2.682264	1.579617	.0583100
Stddev	.7264110	.0017882	.010079	.105207	.001029	.0017322
%RSD	86.38463	4.693106	.3274242	3.922326	.0651628	2.970624
#1	.7188105	.0360839	3.074549	2.702762	1.580291	.0584774
#2	1.620624	.0394893	3.070570	2.775714	1.580127	.0565002
#3	.183275	.0387326	3.089673	2.568316	1.578432	.0599524

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-10DLX2 Acquired: 12/21/2024 8:04:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ86 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031930	11.83015	5.945137	.0122243	.2037120	.2899737
Stddev	.0003283	.00787	.018113	.0005026	.0008024	.0026881
%RSD	10.28334	.0664862	.3046728	4.111753	.3939084	.9270051
#1	.0030481	11.82111	5.924236	.0121245	.2030874	.2871425
#2	.0029620	11.83388	5.956252	.0117791	.2034315	.2924911
#3	.0035688	11.83546	5.954924	.0127694	.2046170	.2902875

Elem	Li6707
Units	ppm
Avg	.0409241
Stddev	.0016592
%RSD	4.054405
#1	.0428210
#2	.0402093
#3	.0397421

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1721.657	21470.50	2305.060	1459.759	1750.767
Stddev	7.285	17.40	8.013	3.341	5.420
%RSD	.4231203	.0810614	.3476063	.2288695	.3095935
#1	1725.032	21475.84	2314.213	1462.365	1753.152
#2	1713.297	21484.61	2299.314	1460.919	1744.564
#3	1726.643	21451.06	2301.653	1455.993	1754.586

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-11DLX2 Acquired: 12/21/2024 8:08:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ87 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0435304	-.022255	.2637461	.0273022	.0076731	56.45363	.8225111
Stddev	.0022154	.001334	.0007510	.0020601	.0018625	.21011	.0043782
%RSD	5.089284	5.991987	.2847579	7.545656	24.27341	.3721880	.5322987
#1	.0457208	-.021028	.2645968	.0250438	.0098224	56.29544	.8195236
#2	.0412909	-.022063	.2631750	.0290786	.0066635	56.37341	.8204728
#3	.0435795	-.023674	.2634664	.0277841	.0065333	56.69203	.8275368

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054757	.0045498	524.3752	.0827407	.0833953	.1361932	115.5816
Stddev	.0001623	.0000130	2.4160	.0002434	.0006893	.0020977	.4678
%RSD	2.964562	.2854229	.4607462	.2941977	.8265760	1.540244	.4047757
#1	.0055220	.0045373	521.8866	.0830217	.0827794	.1342008	115.3219
#2	.0056099	.0045632	524.5276	.0825927	.0832665	.1383824	115.3012
#3	.0052953	.0045487	526.7115	.0826078	.0841399	.1359964	116.1217

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.925299	183.3833	.1290541	.0091314	1.463607	.1096756	.7556286
Stddev	.023261	1.0849	.0007053	.0007124	1.215520	.0172410	.0071785
%RSD	.5925985	.5916212	.5464896	7.801035	83.04962	15.71996	.9500041
#1	3.904259	182.6436	.1298599	.0083090	1.089702	.0943193	.7474359
#2	3.921360	182.8775	.1287532	.0095292	.478964	.1063815	.7608164
#3	3.950279	184.6288	.1285492	.0095561	2.822154	.1283259	.7586335

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.202601	2.181165	.0520186	.0040427	3.586484	5.567689	.0098675
Stddev	.143633	.002979	.0022964	.0009009	.014592	.021563	.0017669
%RSD	3.417716	.1365928	4.414503	22.28393	.4068657	.3872932	17.90600
#1	4.059884	2.182485	.0515374	.0034507	3.573631	5.589743	.0117764
#2	4.200786	2.177754	.0545174	.0050794	3.583474	5.546653	.0095367
#3	4.347132	2.183257	.0500009	.0035978	3.602346	5.566672	.0082894

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-11DLX2 Acquired: 12/21/2024 8:08:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ87 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5184150	.6332129	.0998824
Stddev	.0007429	.0027645	.0024266
%RSD	.1433022	.4365803	2.429432
#1	.5177509	.6311460	.1025782
#2	.5192173	.6321397	.0978728
#3	.5182769	.6363531	.0991964

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1830.154	22737.97	2416.568	1560.299	1858.589
Stddev	4.206	41.55	4.341	5.191	2.276
%RSD	.2298237	.1827374	.1796518	.3326662	.1224374
#1	1833.272	22783.90	2419.333	1560.330	1860.075
#2	1825.370	22702.98	2418.806	1565.474	1855.969
#3	1831.819	22727.04	2411.564	1555.093	1859.722

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-15DLX2 Acquired: 12/21/2024 8:12:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ89 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0466445	-.024431	.2730032	.0348579	.0127594	67.25917	.9130978
Stddev	.0026661	.003939	.0016149	.0038165	.0017880	.40886	.0043524
%RSD	5.715685	16.12367	.5915184	10.94874	14.01280	.6078936	.4766669
#1	.0483755	-.028916	.2748367	.0374581	.0107197	66.81835	.9091811
#2	.0479837	-.022840	.2723806	.0366391	.0140555	67.62597	.9177835
#3	.0435743	-.021536	.2717923	.0304764	.0135032	67.33320	.9123289

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0069032	.0042137	546.6131	.0981139	.0943631	.1830258	134.4888
Stddev	.0000986	.0001284	3.4504	.0008277	.0001216	.0089386	1.0443
%RSD	1.428531	3.048147	.6312283	.8436024	.1288110	4.883773	.7764910
#1	.0068893	.0043608	543.3629	.0983289	.0942701	.1738716	133.5961
#2	.0068122	.0041560	550.2337	.0988129	.0943186	.1917319	135.6372
#3	.0070080	.0041241	546.2427	.0972000	.0945006	.1834738	134.2331

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.285185	133.2084	.1628270	.0104301	.7896136	.1252481	.7166795
Stddev	.021052	.8544	.0006714	.0005699	.3412437	.0034747	.0192374
%RSD	.6408210	.6414331	.4123458	5.464113	43.21654	2.774222	2.684241
#1	3.267517	132.4310	.1632250	.0102778	.8658290	.1213020	.6982599
#2	3.308478	134.1232	.1632041	.0099519	1.086305	.1265930	.7151368
#3	3.279558	133.0711	.1620518	.0110607	.416706	.1278493	.7366419

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.279496	2.508594	.0513111	.0048952	3.240254	6.446505	.0244764
Stddev	.039105	.005057	.0018056	.0002691	.013496	.058133	.0002919
%RSD	1.192417	.2015969	3.518981	5.496431	.4165081	.9017717	1.192377
#1	3.260943	2.511940	.0529207	.0049566	3.255547	6.414483	.0241916
#2	3.253121	2.502776	.0493586	.0046007	3.235202	6.513608	.0244629
#3	3.324425	2.511065	.0516541	.0051282	3.230012	6.411425	.0247748

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-15DLX2 Acquired: 12/21/2024 8:12:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ89 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5452841	1.081946	.1161521
Stddev	.0038830	.006724	.0031195
%RSD	.7121119	.6214793	2.685707
#1	.5408258	1.075392	.1126772
#2	.5479265	1.088828	.1187111
#3	.5470999	1.081618	.1170681

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1859.092	23017.58	2450.160	1569.948	1874.248
Stddev	2.346	73.23	7.892	11.831	2.261
%RSD	.1261673	.3181671	.3221138	.7535705	.1206586
#1	1857.966	22954.62	2457.118	1563.236	1872.132
#2	1861.788	23097.95	2441.584	1583.608	1876.631
#3	1857.522	23000.18	2451.779	1563.000	1873.981

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-16DLX2 Acquired: 12/21/2024 8:16:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ90 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0348037	.0098625	.3789305	-.006572	-.006306	23.08326
Stddev	.0020154	.0042916	.0042773	.001869	.004327	.29447
%RSD	5.790874	43.51472	1.128780	28.44317	68.61058	1.275689
#1	.0371231	.0145303	.3740702	-.008414	-.009128	22.74888
#2	.0338092	.0060876	.3821215	-.004676	-.008466	23.19699
#3	.0334788	.0089695	.3805996	-.006627	-.001325	23.30390

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2622639	.0033037	.0152519	F 824.4850	.0410434	.0742655
Stddev	.0033366	.0001236	.0001453	9.4086	.0006397	.0003885
%RSD	1.272236	3.740102	.9528347	1.141148	1.558491	.5231259
#1	.2590991	.0031876	.0152653	815.3158	.0412629	.0745986
#2	.2619433	.0032900	.0153901	824.0231	.0403229	.0743592
#3	.2657492	.0034336	.0151003	834.1160	.0415444	.0738387

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1123747	72.15609	3.591973	371.1897	.0787907	.0061565
Stddev	.0057541	.99124	.039777	5.1335	.0002741	.0007096
%RSD	5.120409	1.373740	1.107376	1.382995	.3479081	11.52571
#1	.1065034	71.06942	3.549317	365.6880	.0785041	.0053944
#2	.1126169	72.38812	3.598552	372.0298	.0788177	.0062769
#3	.1180038	73.01073	3.628049	375.8514	.0790504	.0067982

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.219095	.0494706	1.749846	4.199408	1.888386	.0777927
Stddev	.364152	.0073891	.026031	.063984	.010797	.0012449
%RSD	29.87066	14.93642	1.487644	1.523640	.5717362	1.600315
#1	1.228237	.0565691	1.720807	4.205343	1.900080	.0785653
#2	1.578588	.0418216	1.757644	4.260218	1.886280	.0763566
#3	.850457	.0500209	1.771088	4.132664	1.878797	.0784563

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-16DLX2 Acquired: 12/21/2024 8:16:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ90 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015962	9.690828	6.309064	.0487784	.2986520	.4098850
Stddev	.0006280	.056589	.038837	.0009349	.0029967	.0053507
%RSD	39.34430	.5839445	.6155723	1.916566	1.003425	1.305404
#1	.0015887	9.753045	6.282564	.0490578	.2974811	.4041061
#2	.0022279	9.677015	6.290984	.0477356	.2964175	.4108815
#3	.0009719	9.642424	6.353645	.0495416	.3020574	.4146673

Elem	Li6707
Units	ppm
Avg	.0652512
Stddev	.0047321
%RSD	7.252177
#1	.0602918
#2	.0697175
#3	.0657442

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1749.332	21802.70	2330.962	1489.301	1764.197
Stddev	1.332	46.80	16.612	4.033	1.405
%RSD	.0761348	.2146464	.7126486	.2707920	.0796498
#1	1750.560	21748.90	2346.042	1490.149	1763.073
#2	1749.521	21834.01	2333.688	1492.842	1765.772
#3	1747.916	21825.19	2313.156	1484.911	1763.744

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-17DLX2 Acquired: 12/21/2024 8:19:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0207721	.0234423	.2366989	-.009888	-.011274	11.71566
Stddev	.0060467	.0045793	.0026059	.003141	.003102	.06643
%RSD	29.10952	19.53444	1.100929	31.76143	27.51697	.5670344
#1	.0256654	.0188840	.2370645	-.013505	-.014247	11.73338
#2	.0226387	.0234004	.2339295	-.008302	-.011518	11.64217
#3	.0140122	.0280424	.2391027	-.007857	-.008057	11.77144

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1006609	.0019880	.0031796	F 1120.375	.0301024	.0648630
Stddev	.0010251	.0000629	.0001219	3.806	.0000577	.0007746
%RSD	1.018364	3.162760	3.833932	.3396770	.1915661	1.194129
#1	.1014497	.0020116	.0031377	1120.104	.0300358	.0641195
#2	.0995022	.0019167	.0033169	1116.712	.0301371	.0648044
#3	.1010308	.0020357	.0030841	1124.309	.0301343	.0656652

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0670366	60.55187	6.162993	588.4303	.0534248	.0075706
Stddev	.0042604	.33196	.042870	2.6812	.0010340	.0016305
%RSD	6.355319	.5482258	.6956035	.4556603	1.935379	21.53762
#1	.0699715	60.50760	6.165508	588.3860	.0541204	.0094251
#2	.0621500	60.24426	6.118920	585.7715	.0539174	.0063618
#3	.0689884	60.90374	6.204550	591.1334	.0522366	.0069250

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7782671	.0282083	.5533849	5.038064	1.173583	.0870011
Stddev	.3555708	.0107628	.0103555	.132540	.005729	.0017628
%RSD	45.68750	38.15469	1.871307	2.630766	.4881740	2.026133
#1	.3900883	.0322431	.5609194	4.945645	1.179440	.0888545
#2	1.088195	.0363706	.5415765	4.978628	1.167990	.0868032
#3	.856518	.0160111	.5576589	5.189918	1.173320	.0853457

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-17DLX2 Acquired: 12/21/2024 8:19:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009335	15.09640	5.980007	.0105496	.0839847	.3910736
Stddev	.0002053	.02056	.023879	.0016611	.0006753	.0021522
%RSD	21.98969	.1361609	.3993138	15.74514	.8041130	.5503406
#1	.0011125	15.10331	5.960020	.0120550	.0846849	.3906495
#2	.0009787	15.11260	5.973550	.0087676	.0833373	.3891650
#3	.0007094	15.07327	6.006450	.0108262	.0839320	.3934063

Elem	Li6707
Units	ppm
Avg	.0499373
Stddev	.0090213
%RSD	18.06519
#1	.0395646
#2	.0559533
#3	.0542941

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1699.225	21219.45	2307.885	1438.741	1695.754
Stddev	5.244	48.21	10.751	2.620	6.777
%RSD	.3085985	.2271778	.4658348	.1821250	.3996396
#1	1693.638	21265.61	2315.867	1438.099	1688.952
#2	1699.997	21169.43	2312.128	1441.623	1695.804
#3	1704.040	21223.30	2295.660	1436.502	1702.505

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-18DLX2 Acquired: 12/21/2024 8:23:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0212350	.0140184	.4156168	-.010792	-.007696	18.53724	.2304455
Stddev	.0028354	.0041315	.0014116	.002339	.003557	.12968	.0011990
%RSD	13.35243	29.47183	.3396493	21.67464	46.21495	.6995477	.5202934
#1	.0193272	.0171432	.4172359	-.008454	-.007357	18.40290	.2300667
#2	.0244932	.0155777	.4149708	-.013132	-.004321	18.54712	.2294817
#3	.0198847	.0093342	.4146438	-.010789	-.011410	18.66169	.2317882

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023063	.0028521	671.6763	.0328580	.0623455	.3847395	55.36551
Stddev	.0000984	.0000232	5.6404	.0008776	.0006548	.0059126	.38611
%RSD	4.266454	.8124519	.8397483	2.670846	1.050304	1.536772	.6973797
#1	.0023611	.0028773	667.6409	.0323465	.0620610	.3781806	54.96110
#2	.0021927	.0028318	669.2666	.0323562	.0630944	.3863776	55.40519
#3	.0023651	.0028472	678.1212	.0338714	.0618810	.3896603	55.73025

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.985964	241.1199	.0586604	.0045181	1.375691	.0390083	.7106286
Stddev	.028270	1.3697	.0000586	.0012465	.166456	.0029185	.0071007
%RSD	.7092349	.5680510	.0999694	27.58824	12.09979	7.481870	.9992184
#1	3.960971	240.1708	.0586258	.0041261	1.306090	.0420464	.7112870
#2	3.980274	240.4988	.0587281	.0035147	1.255333	.0362262	.7173771
#3	4.016645	242.6901	.0586272	.0059134	1.565651	.0387521	.7032215

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.277872	1.902221	.0472135	.0017044	4.993637	5.790420	.0906193
Stddev	.151522	.008364	.0002469	.0002889	.024198	.047179	.0007510
%RSD	4.622588	.4397011	.5228903	16.94751	.4845771	.8147741	.8287504
#1	3.349434	1.911124	.0470097	.0016659	5.019745	5.809267	.0897646
#2	3.103822	1.901011	.0471429	.0014367	4.989205	5.736731	.0909193
#3	3.380359	1.894528	.0474880	.0020105	4.971962	5.825262	.0911739

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-18DLX2 Acquired: 12/21/2024 8:23:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3611508	.3684895	.0490050
Stddev	.0028223	.0019995	.0045499
%RSD	.7814712	.5426112	9.284607
#1	.3579183	.3663336	.0443002
#2	.3624084	.3688520	.0493323
#3	.3631256	.3702829	.0533824

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1775.395	22170.03	2352.264	1515.333	1808.229
Stddev	1.227	90.55	22.890	5.743	2.638
%RSD	.0690977	.4084248	.9731252	.3789785	.1459003
#1	1776.367	22080.73	2337.189	1508.738	1808.282
#2	1775.803	22261.77	2378.604	1518.032	1805.565
#3	1774.017	22167.58	2340.999	1519.229	1810.840

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-20DLX2 Acquired: 12/21/2024 8:27:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0334775	-.006357	.6891220	.0127632	.0034694	53.69024	.4328983
Stddev	.0023706	.004906	.0027670	.0062028	.0020083	1.04396	.0076692
%RSD	7.081065	77.17405	.4015293	48.59891	57.88499	1.944413	1.771601
#1	.0310719	-.002135	.6861034	.0186625	.0051000	53.85523	.4340014
#2	.0335491	-.005197	.6897245	.0062960	.0012262	52.57361	.4247373
#3	.0358114	-.011739	.6915382	.0133310	.0040821	54.64188	.4399563

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052726	.0057672	496.4459	.0884516	.0920168	1.813793	97.60176
Stddev	.0000625	.0000912	8.2161	.0007708	.0010898	.028210	1.83948
%RSD	1.184724	1.581115	1.654994	.8714620	1.184308	1.555296	1.884682
#1	.0052011	.0057186	497.5168	.0880283	.0919650	1.821112	97.89748
#2	.0053165	.0058724	487.7468	.0879852	.0931315	1.782645	95.63234
#3	.0053002	.0057106	504.0741	.0893413	.0909538	1.837623	99.27547

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.813794	166.3581	.0887369	.0080340	2.321204	.1085320	2.391989
Stddev	.052176	2.8882	.0006501	.0012763	1.015957	.0050599	.034101
%RSD	1.854278	1.736132	.7326448	15.88647	43.76852	4.662174	1.425626
#1	2.816368	166.6460	.0894322	.0095077	2.055630	.1029084	2.358474
#2	2.760379	163.3367	.0881441	.0072862	1.464410	.1127166	2.426646
#3	2.864635	169.0915	.0886345	.0073080	3.443572	.1099710	2.390846

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.029359	1.833901	.0672575	.0064760	5.322702	10.37289	.1644950
Stddev	.113938	.007745	.0012297	.0004107	.022472	.21206	.0009412
%RSD	1.889725	.4223025	1.828407	6.341351	.4221944	2.044340	.5721553
#1	5.980464	1.828837	.0682801	.0069160	5.344774	10.50792	.1638374
#2	5.948030	1.830049	.0658930	.0061029	5.299850	10.12848	.1640745
#3	6.159584	1.842816	.0675995	.0064090	5.323481	10.48228	.1655731

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4980-20DLX2 Acquired: 12/21/2024 8:27:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.170490	.4969370	.0874355
Stddev	.018300	.0092638	.0018393
%RSD	1.563436	1.864179	2.103581
#1	1.177186	.4981344	.0858294
#2	1.149786	.4871328	.0870350
#3	1.184499	.5055439	.0894420

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1792.374	22264.44	2391.162	1522.757	1848.382
Stddev	1.791	92.26	43.746	11.563	4.204
%RSD	.0999077	.4143981	1.829483	.7593790	.2274458
#1	1793.226	22369.88	2369.505	1535.661	1847.349
#2	1793.580	22198.53	2441.512	1519.279	1853.006
#3	1790.316	22224.90	2362.469	1513.332	1844.791

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4982-02DLX2 Acquired: 12/21/2024 8:31:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ34 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1600958	.0002190	1.655299	.0229792	.0032513	23.79210	1.890736
Stddev	.0027454	.0023677	.000207	.0055596	.0013198	.48227	.039364
%RSD	1.714858	1081.194	.0125270	24.19409	40.59306	2.026999	2.081940
#1	.1632587	-.000562	1.655452	.0266664	.0037198	23.43505	1.861576
#2	.1583285	-.001660	1.655382	.0165845	.0042730	24.34072	1.935512
#3	.1587003	.002878	1.655063	.0256867	.0017612	23.60054	1.875119

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036822	.0071393	633.3743	.0543887	.0679250	.1479134	95.81422
Stddev	.0001367	.0000676	11.6022	.0003936	.0006733	.0078723	1.86685
%RSD	3.711591	.9471560	1.831808	.7236841	.9911814	5.322218	1.948404
#1	.0038291	.0070672	626.1656	.0539347	.0672138	.1388556	94.33215
#2	.0036586	.0072013	646.7581	.0546331	.0680089	.1517790	97.91088
#3	.0035588	.0071494	627.1994	.0545984	.0685524	.1531056	95.19963

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.082040	135.8732	.0885063	.0080056	.6441487	.0703569	2.013600
Stddev	.107889	2.8049	.0007168	.0012648	1.096135	.0036807	.031350
%RSD	2.122938	2.064322	.8098806	15.79837	170.1679	5.231528	1.556894
#1	4.999799	133.7706	.0877733	.0065521	.168357	.0692251	2.016353
#2	5.204199	139.0580	.0892057	.0088550	1.897784	.0744706	2.043484
#3	5.042121	134.7911	.0885401	.0086096	-.133695	.0673749	1.980966

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.940117	3.508129	.0550514	.0047801	5.859543	5.906169	.0529420
Stddev	.062547	.008817	.0024988	.0004209	.010855	.108940	.0007813
%RSD	1.587430	.2513237	4.539028	8.804270	.1852617	1.844510	1.475857
#1	3.924633	3.503979	.0521680	.0045036	5.860158	5.847240	.0523592
#2	4.008952	3.502153	.0565847	.0052644	5.870078	6.031881	.0538299
#3	3.886767	3.518255	.0564016	.0045722	5.848393	5.839387	.0526370

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4982-02DLX2 Acquired: 12/21/2024 8:31:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ34 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4826823	.3700962	.0411447
Stddev	.0071886	.0082908	.0008039
%RSD	1.489307	2.240172	1.953919
#1	.4776088	.3638592	.0415768
#2	.4909086	.3795046	.0402171
#3	.4795294	.3669250	.0416402

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1830.800	22578.74	2404.853	1541.482	1849.686
Stddev	4.010	129.16	39.700	8.869	1.738
%RSD	.2190300	.5720479	1.650835	.5753810	.0939740
#1	1835.046	22702.64	2427.301	1548.734	1851.496
#2	1827.077	22444.89	2359.014	1531.593	1849.530
#3	1830.278	22588.69	2428.244	1544.118	1848.030

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4982-03DLX2 Acquired: 12/21/2024 8:35:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ35 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1727827	-.004685	1.777353	.0251823	.0033214	26.50690	.5401230
Stddev	.0026666	.002049	.002315	.0016480	.0029667	.11701	.0007431
%RSD	1.543312	43.74566	.1302248	6.544234	89.32210	.4414157	.1375787
#1	.1734529	-.002326	1.777111	.0265492	.0012829	26.40071	.5392762
#2	.1750503	-.006028	1.775169	.0256456	.0067249	26.48766	.5404263
#3	.1698450	-.005701	1.779779	.0233523	.0019564	26.63233	.5406664

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0041855	.0088715	705.4390	.0559957	.0727331	.1602754	101.0607
Stddev	.0000887	.0000861	2.6983	.0005218	.0006845	.0021743	.3884
%RSD	2.119670	.9709585	.3824977	.9318130	.9411198	1.356603	.3843289
#1	.0040932	.0087915	702.9799	.0565626	.0730312	.1578727	100.7713
#2	.0041932	.0089627	705.0118	.0555356	.0719501	.1621074	100.9086
#3	.0042701	.0088604	708.3255	.0558889	.0732180	.1608462	101.5021

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.080254	146.5704	.0971243	.0072631	1.437157	.0739090	2.306949
Stddev	.012593	.3357	.0003542	.0007323	.802797	.0016321	.011320
%RSD	.2478717	.2290295	.3646980	10.08186	55.86010	2.208272	.4906859
#1	5.069991	146.6501	.0967348	.0080996	1.444114	.0745508	2.308069
#2	5.076465	146.2020	.0974271	.0069518	2.236454	.0720535	2.317667
#3	5.094306	146.8591	.0972110	.0067380	.630904	.0751226	2.295111

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.596131	3.447946	.0560728	.0050031	6.246162	5.582361	.0405373
Stddev	.089999	.012221	.0017018	.0003377	.020072	.010696	.0017557
%RSD	2.502666	.3544494	3.034948	6.750242	.3213506	.1916006	4.331084
#1	3.567434	3.453517	.0541908	.0053918	6.249607	5.589576	.0393540
#2	3.523981	3.433932	.0575032	.0048359	6.224590	5.570073	.0425545
#3	3.696980	3.456390	.0565245	.0047815	6.264288	5.587434	.0397034

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4982-03DLX2 Acquired: 12/21/2024 8:35:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ35 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5440513	.3810650	.0533126
Stddev	.0019157	.0017003	.0037897
%RSD	.3521169	.4462030	7.108507
#1	.5422686	.3792761	.0553897
#2	.5438084	.3812586	.0556096
#3	.5460768	.3826602	.0489385

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1842.467	22882.21	2424.891	1563.766	1834.782
Stddev	1.429	105.45	13.565	6.457	2.234
%RSD	.0775593	.4608456	.5594047	.4129167	.1217750
#1	1841.051	22788.71	2410.693	1557.070	1832.619
#2	1842.442	22861.41	2426.264	1564.275	1837.081
#3	1843.909	22996.51	2437.718	1569.954	1834.646

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4982-04DLX2 Acquired: 12/21/2024 8:39:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ36 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2752845	-.028143	2.311633	.0556168	.0148188	36.73632	.6793779
Stddev	.0049572	.002442	.002099	.0007851	.0012650	.26964	.0018632
%RSD	1.800760	8.678100	.0907904	1.411597	8.536397	.7339872	.2742485
#1	.2782209	-.025692	2.312585	.0561256	.0133909	36.48084	.6783842
#2	.2695611	-.028159	2.309227	.0560123	.0157991	36.70995	.6782222
#3	.2780716	-.030577	2.313087	.0547127	.0152664	37.01818	.6815273

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0055950	.0182236	540.6583	.0924019	.0836768	.2209142	147.1783
Stddev	.0001693	.0000616	2.6417	.0004766	.0003854	.0089023	.4924
%RSD	3.026503	.3380094	.4886135	.5157984	.4605327	4.029757	.3345887
#1	.0057846	.0182097	538.0869	.0927664	.0839173	.2139287	146.7251
#2	.0054589	.0181701	540.5228	.0918626	.0832324	.2178760	147.1075
#3	.0055416	.0182909	543.3651	.0925768	.0838809	.2309379	147.7023

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.272734	248.9556	.1424305	.0112960	1.384241	.1075455	4.470497
Stddev	.043246	.8908	.0007280	.0002665	.177947	.0086491	.019831
%RSD	.5946294	.3578322	.5111137	2.358894	12.85522	8.042293	.4435967
#1	7.233666	248.2549	.1428665	.0110591	1.279478	.1119467	4.465815
#2	7.265334	248.6539	.1415901	.0112446	1.283542	.0975809	4.453425
#3	7.319203	249.9582	.1428350	.0115845	1.589703	.1131088	4.492249

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.728102	3.633924	.0709204	.0082397	8.171400	4.844729	.0550141
Stddev	.078816	.002685	.0028159	.0001977	.007175	.007758	.0036971
%RSD	1.666974	.0738849	3.970563	2.398801	.0878081	.1601278	6.720309
#1	4.751311	3.631537	.0680272	.0084334	8.170166	4.837811	.0511197
#2	4.792708	3.633404	.0710818	.0082475	8.164922	4.843260	.0584759
#3	4.640287	3.636831	.0736522	.0080383	8.179112	4.853116	.0554465

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4982-04DLX2 Acquired: 12/21/2024 8:39:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ36 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6554930	.2135061	.0717251
Stddev	.0017356	.0019463	.0038194
%RSD	.2647808	.9115954	5.325046
#1	.6553283	.2120560	.0680515
#2	.6538456	.2127442	.0756752
#3	.6573051	.2157181	.0714486

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1853.347	22946.39	2442.148	1564.670	1830.683
Stddev	3.052	39.13	.354	5.327	2.607
%RSD	.1646890	.1705337	.0144777	.3404855	.1424225
#1	1849.897	22926.82	2442.531	1563.012	1829.291
#2	1854.449	22920.89	2441.833	1570.629	1833.691
#3	1855.695	22991.44	2442.081	1560.369	1829.067

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4982-05DLX2 Acquired: 12/21/2024 8:42:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ37 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0943704	.0146013	.9800286	-.002066	-.008430	15.28771
Stddev	.0021003	.0011591	.0023634	.001987	.002975	.02997
%RSD	2.225588	7.938058	.2411585	96.20366	35.28834	.1960259
#1	.0964431	.0133033	.9826984	-.001011	-.005052	15.26660
#2	.0922436	.0155328	.9782039	-.004358	-.009576	15.27453
#3	.0944244	.0149679	.9791835	-.000828	-.010661	15.32201

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3698143	.0025547	.0054235	F 851.6864	.0335740	.0663937
Stddev	.0029460	.0000941	.0000801	.9965	.0002884	.0001365
%RSD	.7966197	3.682847	1.477363	.1170021	.8591554	.2055241
#1	.3691064	.0024880	.0054871	851.4767	.0333066	.0662466
#2	.3672867	.0025139	.0054498	850.8113	.0338797	.0664186
#3	.3730498	.0026623	.0053335	852.7710	.0335357	.0665160

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1188249	63.61076	5.752790	100.4261	.0646346	.0058327
Stddev	.0113447	.13408	.008813	.2925	.0009950	.0006297
%RSD	9.547369	.2107890	.1531882	.2912596	1.539502	10.79697
#1	.1163783	63.60326	5.760226	100.6889	.0635003	.0064361
#2	.1311932	63.48059	5.743056	100.1110	.0653605	.0058824
#3	.1089031	63.74844	5.755087	100.4785	.0650430	.0051795

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.139090	.0587523	2.009450	1.549520	1.666926	.0297951
Stddev	.964918	.0089585	.024094	.141154	.003675	.0020460
%RSD	84.70957	15.24798	1.199051	9.109518	.2204605	6.867050
#1	.087227	.0665027	2.032131	1.525435	1.667391	.0276480
#2	1.983227	.0608105	2.012064	1.701166	1.663041	.0317223
#3	1.346815	.0489438	1.984155	1.421958	1.670347	.0300151

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4982-05DLX2 Acquired: 12/21/2024 8:42:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ37 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040555	2.072238	4.231144	.0185026	.2989183	.4605460
Stddev	.0002311	.011135	.019321	.0019946	.0021451	.0014247
%RSD	5.697118	.5373432	.4566365	10.78024	.7176295	.3093537
#1	.0038792	2.080918	4.237368	.0184697	.2991064	.4599587
#2	.0043171	2.059683	4.209478	.0165247	.2966854	.4595089
#3	.0039703	2.076113	4.246586	.0205135	.3009632	.4621705

Elem	Li6707
Units	ppm
Avg	.0388065
Stddev	.0043225
%RSD	11.13867
#1	.0428536
#2	.0342531
#3	.0393128

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1795.566	22234.08	2367.444	1521.072	1828.701
Stddev	3.342	19.25	10.339	6.686	6.112
%RSD	.1861039	.0865704	.4367278	.4395793	.3342130
#1	1794.240	22250.12	2365.641	1514.490	1827.222
#2	1799.367	22239.38	2378.566	1527.858	1835.417
#3	1793.091	22212.74	2358.125	1520.867	1823.465

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4982-06DLX2 Acquired: 12/21/2024 8:46:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ38 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0903345	.0059606	2.992813	.0100172	-.001531	30.99322	.6871733
Stddev	.0052608	.0042388	.010158	.0020841	.000516	.05549	.0006006
%RSD	5.823704	71.11236	.3394129	20.80509	33.69800	.1790302	.0874056
#1	.0848689	.0068680	2.983582	.0118627	-.001703	31.04730	.6875567
#2	.0953633	.0013417	2.991163	.0077569	-.000951	30.99593	.6864811
#3	.0907713	.0096723	3.003696	.0104321	-.001939	30.93643	.6874822

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0037502	.0026448	699.1898	.0403020	.0750058	.1250105	74.72847
Stddev	.0000708	.0001341	2.0438	.0009327	.0003634	.0094833	.08899
%RSD	1.888168	5.070681	.2923056	2.314409	.4845047	7.585975	.1190823
#1	.0036760	.0024967	701.4355	.0400550	.0751998	.1350179	74.77973
#2	.0037573	.0027579	697.4386	.0413335	.0745866	.1238567	74.77996
#3	.0038171	.0026800	698.6954	.0395177	.0752310	.1161570	74.62571

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.527008	47.34351	.0620097	.0056203	1.557198	.0849149	.6940698
Stddev	.026967	.11896	.0010243	.0003559	.176494	.0030828	.0160097
%RSD	.4131652	.2512686	1.651847	6.333009	11.33407	3.630450	2.306645
#1	6.554565	47.45595	.0625525	.0060289	1.744721	.0821229	.6891628
#2	6.525788	47.21896	.0626484	.0054538	1.394324	.0882233	.7119588
#3	6.500672	47.35563	.0608283	.0053781	1.532550	.0843984	.6810880

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.103907	3.079491	.0346076	.0030118	1.292530	5.578717	.0199329
Stddev	.013231	.008872	.0024077	.0004771	.011790	.035761	.0006297
%RSD	.6288925	.2881099	6.957141	15.84166	.9121408	.6410312	3.159276
#1	2.117987	3.070235	.0337641	.0033430	1.294067	5.618284	.0199341
#2	2.102003	3.080314	.0327352	.0024649	1.280047	5.548702	.0205621
#3	2.091731	3.087923	.0373236	.0032275	1.303475	5.569164	.0193026

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4982-06DLX2 Acquired: 12/21/2024 8:46:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ38 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8048777	.5529672	.0707048
Stddev	.0031972	.0006122	.0011920
%RSD	.3972266	.1107080	1.685875
#1	.8072967	.5536458	.0693539
#2	.8060834	.5527990	.0716087
#3	.8012529	.5524566	.0711517

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1905.125	23654.78	2506.020	1621.286	1885.936
Stddev	1.827	114.16	24.801	11.273	1.972
%RSD	.0959140	.4826118	.9896425	.6953379	.1045504
#1	1904.783	23556.16	2478.404	1616.678	1887.912
#2	1907.099	23628.32	2513.265	1613.046	1885.927
#3	1903.493	23779.84	2526.391	1634.134	1883.969

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4982-08DLX2 Acquired: 12/21/2024 8:50:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ40 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0387355	.0118087	4.882273	.0041237	-.003980	25.72028	.5735563
Stddev	.0046306	.0063674	.007807	.0025193	.001480	.19210	.0054669
%RSD	11.95453	53.92133	.1599051	61.09304	37.17748	.7468938	.9531580
#1	.0347781	.0133052	4.886869	.0056724	-.002463	25.59207	.5724358
#2	.0438282	.0172946	4.873259	.0054819	-.004057	25.62761	.5687364
#3	.0376001	.0048263	4.886691	.0012167	-.005420	25.94115	.5794966

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025931	.0016205	496.2324	.0356409	.0676733	.0725527	66.58639
Stddev	.0000697	.0000411	2.5583	.0005464	.0004425	.0060896	.44002
%RSD	2.686571	2.538140	.5155492	1.532965	.6539103	8.393331	.6608218
#1	.0026035	.0016600	494.9469	.0362251	.0672446	.0728235	66.61527
#2	.0025189	.0016235	494.5718	.0351425	.0676467	.0663323	66.13264
#3	.0026571	.0015779	499.1786	.0355552	.0681285	.0785024	67.01125

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.020795	22.15099	.0475245	.0053742	1.343022	.0593658	.2373941
Stddev	.035784	.18509	.0007261	.0008615	.269572	.0106697	.0073413
%RSD	.5096835	.8355933	1.527800	16.03106	20.07204	17.97280	3.092449
#1	7.004129	22.13022	.0466943	.0057350	1.243227	.0607507	.2300269
#2	6.996385	21.97716	.0478385	.0059967	1.137576	.0480713	.2374463
#3	7.061872	22.34559	.0480408	.0043909	1.648261	.0692755	.2447092

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.857801	2.151216	.0293036	.0026763	.7118254	5.168318	.0086315
Stddev	.049011	.002630	.0023676	.0003964	.0091714	.038409	.0014927
%RSD	2.638119	.1222793	8.079696	14.80990	1.288432	.7431662	17.29406
#1	1.801998	2.151552	.0319311	.0023022	.7053664	5.212136	.0071353
#2	1.877540	2.148433	.0273355	.0026349	.7223230	5.152344	.0101207
#3	1.893864	2.153662	.0286443	.0030917	.7077868	5.140474	.0086384

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4982-08DLX2 Acquired: 12/21/2024 8:50:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ40 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4514580	.3614204	.0509372
Stddev	.0038028	.0016256	.0036924
%RSD	.8423267	.4497833	7.248980
#1	.4487219	.3608660	.0481729
#2	.4498517	.3601445	.0495081
#3	.4558003	.3632507	.0551305

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1905.324	23509.95	2471.387	1614.172	1931.839
Stddev	5.322	131.43	10.613	12.015	8.350
%RSD	.2793234	.5590297	.4294201	.7443310	.4322522
#1	1899.424	23555.26	2460.969	1619.868	1922.725
#2	1909.762	23612.72	2482.184	1622.280	1939.121
#3	1906.785	23361.86	2471.007	1600.369	1933.672

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4982-15DLX2 Acquired: 12/21/2024 8:54:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJE9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0101732	.0185287	.0472496	-.005129	-.009738	18.21758
Stddev	.0049092	.0038915	.0016514	.001245	.002233	.05482
%RSD	48.25622	21.00279	3.494960	24.27123	22.92809	.3009399
#1	.0095074	.0227053	.0454309	-.004546	-.010705	18.25113
#2	.0056308	.0150048	.0486550	-.004283	-.007185	18.24729
#3	.0153813	.0178758	.0476629	-.006559	-.011324	18.15431

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2987627	.0018192	.0009566	F 872.0087	.0261384	.0675726
Stddev	.0013829	.0002137	.0000830	3.9200	.0003249	.0003797
%RSD	.4628851	11.74717	8.681357	.4495394	1.243144	.5618569
#1	.3002553	.0017105	.0010519	870.7337	.0259908	.0677197
#2	.2985077	.0020654	.0009186	876.4074	.0259135	.0678566
#3	.2975250	.0016816	.0008994	868.8848	.0265109	.0671414

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0716470	58.20290	7.765923	38.04554	.0511201	.0058052
Stddev	.0119284	.13981	.021547	.09665	.0007367	.0003942
%RSD	16.64881	.2402032	.2774540	.2540358	1.441149	6.790535
#1	.0651037	58.35731	7.787401	38.00261	.0517592	.0054720
#2	.0644222	58.16649	7.766062	37.97780	.0512867	.0057032
#3	.0854151	58.08490	7.744308	38.15622	.0503144	.0062403

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9903804	.0370747	.0890766	1.597687	2.371216	.0285621
Stddev	.8862003	.0075159	.0149688	.098972	.011737	.0027375
%RSD	89.48079	20.27240	16.80440	6.194696	.4949835	9.584278
#1	1.328164	.0358433	.0882506	1.518584	2.383474	.0262905
#2	1.658016	.0302506	.1044413	1.565808	2.370093	.0277943
#3	-.015038	.0451304	.0745379	1.708670	2.360081	.0316014

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4982-15DLX2 Acquired: 12/21/2024 8:54:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJE9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000669	.6029286	4.426755	.0026383	.3075850	.4863813
Stddev	.0003308	.0047518	.060425	.0010934	.0030367	.0001550
%RSD	494.7062	.7881208	1.364993	41.44299	.9872644	.0318704
#1	-.000246	.5975166	4.457038	.0033150	.3079641	.4863282
#2	.000033	.6048520	4.357177	.0013769	.3104142	.4865559
#3	.000413	.6064172	4.466050	.0032232	.3043765	.4862599

Elem	Li6707
Units	ppm
Avg	.0351629
Stddev	.0054593
%RSD	15.52560
#1	.0392470
#2	.0289623
#3	.0372794

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1830.241	22704.81	2420.744	1565.075	1867.773
Stddev	2.185	237.31	7.920	18.620	3.241
%RSD	.1194102	1.045219	.3271855	1.189717	.1735361
#1	1832.032	22430.93	2416.507	1545.000	1868.894
#2	1827.806	22834.05	2429.882	1581.780	1864.121
#3	1830.886	22849.46	2415.843	1568.445	1870.306

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4982-16DLX2 Acquired: 12/21/2024 8:58:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0224824	.0252228	.2039660	-.005339	-.007075	20.79696
Stddev	.0062797	.0060210	.0053601	.003497	.003405	.12719
%RSD	27.93188	23.87144	2.627943	65.49692	48.12583	.6115574
#1	.0205063	.0268680	.1978322	-.007809	-.003401	20.89371
#2	.0174284	.0185501	.2063166	-.001338	-.010125	20.65290
#3	.0295125	.0302501	.2077492	-.006872	-.007698	20.84426

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3529594	.0019725	.0018854	F 1295.686	.0273828	.0794040
Stddev	.0018375	.0000185	.0000741	15.475	.0006661	.0004660
%RSD	.5206066	.9373671	3.929247	1.194326	2.432406	.5868964
#1	.3549890	.0019526	.0019611	1280.191	.0270731	.0789231
#2	.3514089	.0019892	.0018130	1295.726	.0269279	.0798535
#3	.3524802	.0019756	.0018822	1311.141	.0281473	.0794355

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0717177	67.74435	11.08212	55.52695	.0556912	.0057074
Stddev	.0076466	.35983	.07087	.37593	.0007600	.0017268
%RSD	10.66214	.5311534	.6395100	.6770196	1.364689	30.25502
#1	.0717795	68.07507	11.15776	55.92940	.0557347	.0037172
#2	.0640404	67.36118	11.01725	55.18485	.0564285	.0068078
#3	.0793333	67.79681	11.07134	55.46659	.0549103	.0065971

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.350285	.0433093	.1670434	1.867249	2.867094	.0306849
Stddev	.793770	.0072425	.0182730	.186660	.004606	.0014110
%RSD	58.78539	16.72271	10.93909	9.996500	.1606434	4.598415
#1	2.266822	.0440181	.1755138	1.967119	2.864157	.0291504
#2	.898381	.0357384	.1795442	1.651902	2.872403	.0319264
#3	.885651	.0501713	.1460722	1.982727	2.864724	.0309779

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4982-16DLX2 Acquired: 12/21/2024 8:58:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000163	.8253035	4.665554	.0126646	.3503269	.6644495
Stddev	.000154	.0061010	.054716	.0014987	.0006993	.0031644
%RSD	94.59369	.7392475	1.172772	11.83371	.1996010	.4762391
#1	.000006	.8319172	4.728490	.0137297	.3502863	.6672870
#2	-.000199	.8240984	4.638905	.0133133	.3510456	.6610371
#3	-.000295	.8198950	4.629268	.0109509	.3496489	.6650242

Elem	Li6707
Units	ppm
Avg	.0429920
Stddev	.0051236
%RSD	11.91759
#1	.0376476
#2	.0434665
#3	.0478619

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1848.554	22874.79	2483.909	1569.584	1790.576
Stddev	4.053	90.51	16.418	7.530	1.543
%RSD	.2192616	.3956947	.6609764	.4797747	.0861471
#1	1844.004	22968.50	2465.004	1573.525	1790.686
#2	1849.877	22868.01	2494.588	1574.326	1788.982
#3	1851.780	22787.86	2492.135	1560.901	1792.061

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4983-20DLX10 Acquired: 12/21/2024 9:02:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJH0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009876	.0380076	.0903176	-.027285	-.018974	10.69046
Stddev	.0018393	.0028636	.0011607	.002094	.002163	.17727
%RSD	186.2445	7.534412	1.285141	7.672937	11.40098	1.658169
#1	.0015824	.0408084	.0901806	-.026932	-.018064	10.52857
#2	-.001076	.0350849	.0915408	-.025390	-.017414	10.87988
#3	.002456	.0381293	.0892315	-.029533	-.021443	10.66294

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1363892	.0010945	.0016064	F 1618.164	.0184345	.0669404
Stddev	.0017794	.0001825	.0000772	16.987	.0004664	.0007296
%RSD	1.304687	16.66989	4.802589	1.049793	2.530178	1.089930
#1	.1361222	.0008978	.0015228	1599.143	.0181611	.0673497
#2	.1382870	.0012582	.0016749	1623.524	.0189730	.0660981
#3	.1347583	.0011276	.0016213	1631.824	.0181693	.0673735

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0697584	38.37501	7.361363	107.3490	.0343699	.0040692
Stddev	.0059087	.61260	.113731	1.5310	.0014698	.0024357
%RSD	8.470192	1.596353	1.544975	1.426167	4.276514	59.85657
#1	.0755563	37.83721	7.253920	105.9269	.0351319	.0013522
#2	.0699740	39.04185	7.480482	108.9695	.0353023	.0060569
#3	.0637449	38.24598	7.349686	107.1506	.0326756	.0047984

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.775324	.0243299	.2324014	1.610599	1.802825	.0411064
Stddev	.238342	.0025203	.0047010	.093177	.012481	.0015370
%RSD	13.42527	10.35872	2.022790	5.785243	.6923272	3.739064
#1	1.785948	.0271813	.2274608	1.560391	1.813866	.0393408
#2	2.008176	.0234082	.2368191	1.553294	1.805326	.0418326
#3	1.531847	.0224003	.2329243	1.718113	1.789282	.0421457

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4983-20DLX10 Acquired: 12/21/2024 9:02:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJH0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001712	2.194104	5.172388	.0064367	.1346566	1.254806
Stddev	.000308	.023354	.068833	.0009539	.0066387	.018662
%RSD	17.98499	1.064381	1.330775	14.81965	4.930067	1.487220
#1	-.001693	2.216605	5.165036	.0055315	.1413425	1.238322
#2	-.001414	2.195727	5.244602	.0063459	.1345612	1.275067
#3	-.002029	2.169982	5.107526	.0074328	.1280662	1.251029

Elem	Li6707
Units	ppm
Avg	.0366809
Stddev	.0061731
%RSD	16.82909
#1	.0315344
#2	.0349831
#3	.0435251

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1744.692	21811.17	2347.224	1486.714	1721.371
Stddev	5.197	194.38	20.341	11.158	5.788
%RSD	.2978529	.8911992	.8666077	.7505396	.3362473
#1	1741.841	21700.23	2356.666	1484.606	1716.501
#2	1750.690	21697.66	2323.878	1476.759	1727.770
#3	1741.545	22035.62	2361.129	1498.776	1719.842

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4984-06DLX2 Acquired: 12/21/2024 9:06:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJT1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0292797	-.000839	.0738756	.0093908	.0005516	36.26659	.2743446
Stddev	.0030705	.001726	.0035538	.0043434	.0027447	.10934	.0026874
%RSD	10.48672	205.6067	4.810535	46.25139	497.5923	.3014877	.9795838
#1	.0319436	-.002592	.0700383	.0056353	-.002404	36.14795	.2754476
#2	.0299740	-.000785	.0745349	.0141473	.001038	36.28851	.2712812
#3	.0259215	.000859	.0770536	.0083898	.003021	36.36331	.2763051

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032010	.0017982	488.2898	.0576617	.0778134	.1021788	84.20066
Stddev	.0000770	.0000590	1.1968	.0006364	.0003085	.0030761	.21999
%RSD	2.405711	3.280863	.2451055	1.103633	.3964790	3.010515	.2612693
#1	.0032324	.0018265	486.9864	.0569513	.0781697	.0991431	83.96715
#2	.0031132	.0017304	488.5435	.0581796	.0776363	.1052938	84.23080
#3	.0032573	.0018377	489.3393	.0578541	.0776343	.1020995	84.40402

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.553782	112.8347	.0888941	.0068551	1.852546	.0895363	.2161173
Stddev	.014889	.2857	.0007457	.0004886	.942257	.0016665	.0054084
%RSD	.2680851	.2531716	.8389188	7.127281	50.86282	1.861264	2.502510
#1	5.536998	112.5386	.0893396	.0074101	2.767550	.0901181	.2186812
#2	5.565400	113.1087	.0880332	.0064898	1.904874	.0876569	.2099038
#3	5.558948	112.8570	.0893096	.0066654	.885216	.0908339	.2197670

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.470632	3.895570	.0327210	.0025978	.5981895	4.770151	.0047142
Stddev	.107085	.003595	.0041643	.0007042	.0099596	.041278	.0013410
%RSD	2.395305	.0922884	12.72663	27.10634	1.664951	.8653324	28.44590
#1	4.347474	3.891570	.0279478	.0033695	.6019630	4.816821	.0049585
#2	4.541767	3.896611	.0346040	.0024338	.5868946	4.738433	.0032678
#3	4.522656	3.898530	.0356112	.0019901	.6057109	4.755200	.0059162

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4984-06DLX2 Acquired: 12/21/2024 9:06:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJT1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7856442	.3775725	.0828652
Stddev	.0074643	.0012428	.0038842
%RSD	.9500841	.3291672	4.687318
#1	.7773855	.3761871	.0785352
#2	.7876378	.3779411	.0840177
#3	.7919092	.3785894	.0860427

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1888.909	23533.64	2481.163	1606.892	1878.933
Stddev	4.966	156.48	21.950	4.580	4.904
%RSD	.2629223	.6649058	.8846484	.2849958	.2609907
#1	1893.841	23640.20	2471.672	1611.770	1882.271
#2	1883.909	23606.71	2506.261	1606.221	1873.303
#3	1888.978	23353.99	2465.556	1602.685	1881.225

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4984-07DLX2 Acquired: 12/21/2024 9:10:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJT4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0154742	-.011760	.0386297	.0134935	.0027855	41.67667	.4278609
Stddev	.0058972	.006460	.0020114	.0050403	.0014567	.95614	.0100054
%RSD	38.11026	54.93717	5.206822	37.35390	52.29629	2.294177	2.338474
#1	.0222818	-.011929	.0372420	.0083678	.0012756	40.62628	.4167967
#2	.0119285	-.018134	.0377107	.0136687	.0041825	42.49634	.4362733
#3	.0122123	-.005216	.0409364	.0184439	.0028985	41.90738	.4305127

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053169	.0029779	737.6374	.0823487	.0815455	.0260354	101.8177
Stddev	.0000158	.0001500	17.8817	.0011907	.0002335	.0008460	2.3887
%RSD	.2971758	5.038480	2.424185	1.445942	.2863515	3.249492	2.346072
#1	.0053118	.0031175	718.7445	.0826637	.0816390	.0254519	99.2672
#2	.0053043	.0028192	754.2983	.0810322	.0812798	.0256485	104.0025
#3	.0053346	.0029968	739.8694	.0833502	.0817179	.0270056	102.1834

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.789919	26.19933	.1090639	.0069739	1.626203	.0787086	.1734832
Stddev	.072469	.56555	.0006245	.0002293	.314316	.0079572	.0056977
%RSD	2.597531	2.158653	.5726120	3.288425	19.32821	10.10969	3.284267
#1	2.710987	25.57947	.1095503	.0067661	1.947461	.0701545	.1775788
#2	2.853449	26.68724	.1092817	.0069355	1.319323	.0858904	.1758944
#3	2.805320	26.33127	.1083596	.0072199	1.611825	.0800810	.1669764

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.867977	1.692385	.0604502	.0001279	.5818191	4.879775	.0078626
Stddev	.329425	.004956	.0009460	.0004318	.0003647	.063257	.0003438
%RSD	3.338327	.2928635	1.564864	337.4438	.0626841	1.296310	4.372671
#1	9.513051	1.698060	.0594605	.0000160	.5822403	4.818111	.0081955
#2	9.926943	1.690191	.0613454	-.000237	.5816090	4.944513	.0075088
#3	10.16394	1.688905	.0605447	.000605	.5816082	4.876701	.0078836

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: P4984-07DLX2 Acquired: 12/21/2024 9:10:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJT4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9446954	.2574854	.1060463
Stddev	.0268937	.0062937	.0033243
%RSD	2.846814	2.444306	3.134756
#1	.9160269	.2510561	.1028143
#2	.9693670	.2636342	.1094558
#3	.9486924	.2577658	.1058688

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1851.751	22928.72	2440.831	1574.408	1886.951
Stddev	3.308	165.28	47.893	5.875	2.737
%RSD	.1786353	.7208320	1.962172	.3731797	.1450737
#1	1848.020	23118.46	2492.693	1580.532	1883.802
#2	1852.906	22816.10	2398.271	1568.817	1888.760
#3	1854.326	22851.60	2431.529	1573.874	1888.291

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV091 Acquired: 12/21/2024 9:14:07 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV091 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.790308	4.686821	24.36523	4.718198	4.716292	401.4660	10.04971
Stddev	.019568	.011426	.04234	.006551	.003750	1.7764	.04577
%RSD	.4084878	.2437869	.1737847	.1388467	.0795070	.4424881	.4554324
#1	4.811750	4.681673	24.40312	4.722895	4.712396	403.3619	10.09343
#2	4.785760	4.678875	24.31952	4.710714	4.716605	399.8398	10.00214
#3	4.773416	4.699915	24.37305	4.720984	4.719876	401.1965	10.05357

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5050873	2.456545	400.9795	15.30536	2.439299	14.96032	400.7878
Stddev	.0027646	.003785	2.2365	.03842	.006327	.09837	2.2321
%RSD	.5473565	.1540878	.5577595	.2510370	.2593646	.6575183	.5569389
#1	.5082720	2.459624	403.4905	15.31899	2.445089	15.06649	403.1752
#2	.5033039	2.452319	399.2015	15.33510	2.432546	14.87228	398.7528
#3	.5036861	2.457693	400.2463	15.26198	2.440261	14.94218	400.4355

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.74813	397.7479	2.458373	1.278211	397.3571	2.461417	14.88550
Stddev	.08385	1.7414	.004569	.001851	1.3997	.023868	.01590
%RSD	.5685766	.4378098	.1858508	.1447831	.3522542	.9696817	.1068063
#1	14.84223	399.2703	2.462267	1.280072	398.8537	2.488904	14.88691
#2	14.68132	395.8491	2.453343	1.278191	396.0804	2.445926	14.90064
#3	14.72084	398.1242	2.459509	1.276371	397.1372	2.449422	14.86894

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	149.5954	4.857194	4.907237	4.718989	4.782717	4.961661	4.820237
Stddev	.6937	.001491	.027133	.002065	.005001	.031227	.008820
%RSD	.4637119	.0306946	.5529124	.0437541	.1045579	.6293685	.1829879
#1	150.3350	4.857799	4.936086	4.719599	4.780045	4.995449	4.827726
#2	148.9593	4.855496	4.903396	4.716688	4.779620	4.955669	4.810515
#3	149.4919	4.858288	4.882230	4.720680	4.788486	4.933863	4.822471

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCV091 Acquired: 12/21/2024 9:14:07 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV091 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	4.882023	4.739684	5.116865
Stddev	.017172	.026183	.020241
%RSD	.3517405	.5524151	.3955667
#1	4.901739	4.765399	5.138904
#2	4.870344	4.713057	5.099108
#3	4.873984	4.740595	5.112583

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1528.145	20188.38	2213.106	1281.072	1749.143
Stddev	3.192	64.13	17.438	4.813	1.568
%RSD	.2088524	.3176748	.7879641	.3756812	.0896503
#1	1531.751	20138.81	2193.102	1276.052	1750.793
#2	1525.684	20165.51	2221.115	1281.519	1748.965
#3	1526.999	20260.81	2225.101	1285.647	1747.672

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

Sample Name: CCB091 Acquired: 12/21/2024 9:17:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB091 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007041	.0042773	.0041039	.0029061	-.001529	.0031758
Stddev	.0021657	.0017502	.0043843	.0024714	.002260	.0200700
%RSD	307.5656	40.91769	106.8326	85.03935	147.8177	631.9765
#1	.0030828	.0045215	.0082147	.0030878	.001005	.0048998
#2	-.001154	.0024178	.0046073	.0003490	-.002256	.0223281
#3	.000183	.0058925	-.000510	.0052816	-.003336	-.017701

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019492	.0002752	.0002097	.0584131	-.000630	.0000850
Stddev	.0017295	.0000352	.0000680	.0489393	.000444	.0004047
%RSD	88.72933	12.80384	32.41432	83.78132	70.45832	476.0796
#1	.0005923	.0002869	.0002313	.0787569	-.001108	.0005406
#2	.0038966	.0002356	.0001336	.0938992	-.000232	-.000233
#3	.0013587	.0003032	.0002643	.0025832	-.000549	-.000053

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002609	.0366397	-.000078	.0639035	.0003037	.0003995
Stddev	.007034	.0328386	.001191	.0101657	.0008682	.0011022
%RSD	269.6653	89.62587	1528.217	15.90792	285.9041	275.9289
#1	-.008155	.0691713	-.000130	.0751281	.0007352	.0007487
#2	.005304	.0372454	-.001242	.0553168	-.000696	-.000835
#3	-.004974	.0035024	.001138	.0612655	.000871	.001285

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8578580	-.005871	.0049743	-.346782	-.005202	.0121611
Stddev	.3102189	.003924	.0090852	.135063	.002383	.0019563
%RSD	36.16203	66.83516	182.6410	38.94747	45.80902	16.08630
#1	1.002071	-.010174	.0012566	-.219971	-.007622	.0120080
#2	.501784	-.004946	-.001662	-.488808	-.002857	.0141894
#3	1.069720	-.002492	.015329	-.331568	-.005128	.0102859

Reviewed By:Jaswal
On:12/23/2024
12:39:29 AM
Inst Id :P5

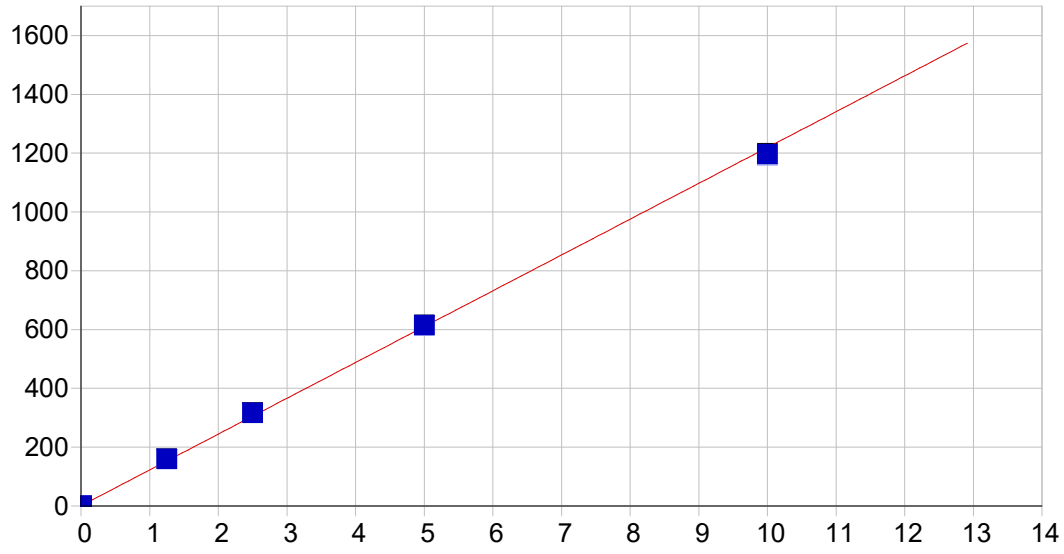
Sample Name: CCB091 Acquired: 12/21/2024 9:17:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v36) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB091 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002686	-.008092	-.003417	F -.011443	.0033882	.0002017
Stddev	.0001331	.003102	.000535	.000115	.0014116	.0001717
%RSD	49.53931	38.33393	15.65481	1.004337	41.66280	85.11494
#1	.0001978	-.011570	-.003876	-.011554	.0022591	.0000838
#2	.0004221	-.005612	-.002830	-.011451	.0049709	.0001227
#3	.0001859	-.007094	-.003545	-.011325	.0029347	.0003987

Elem	Li6707
Units	ppm
Avg	F .0164506
Stddev	.0061718
%RSD	37.51727
#1	.0098599
#2	.0220940
#3	.0173980

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1822.563	22720.16	2276.204	1563.236	2152.292
Stddev	7.605	22.32	17.285	5.005	8.116
%RSD	.4172600	.0982340	.7593786	.3201783	.3770817
#1	1818.501	22743.11	2259.238	1558.373	2148.295
#2	1831.336	22698.53	2293.791	1568.372	2161.631
#3	1817.851	22718.84	2275.584	1562.961	2146.950

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



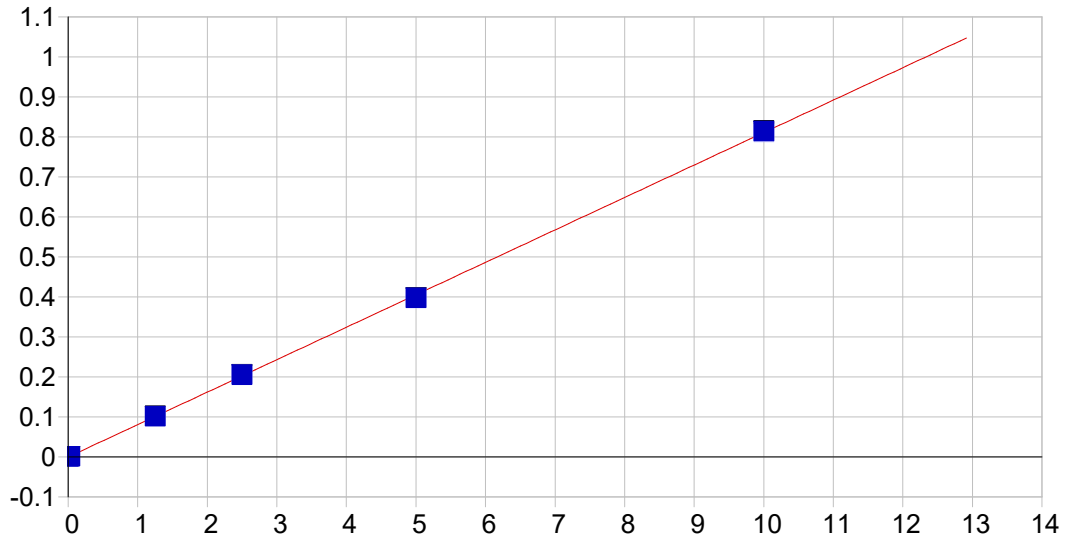
As 189.042 {478}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.707428	Re-Slope:	1.000000
A1 (Gain):	121.845964	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999711	Status:	OK.
Std Error of Est:	0.048899		
Predicted MDL:	0.006339		
Predicted MQL:	0.021131		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.70768	.190	1
S1	.01000	.00719	-.003	-28.1	1.5820	.224	1
S2	1.2500	1.3043	.054	4.34	158.99	.366	1
S3	2.5000	2.5966	.097	3.86	315.81	.865	1
S4	5.0000	5.0403	.040	.807	612.29	.382	1
S5	10.000	9.8116	-.188	-1.88	1191.1	2.71	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



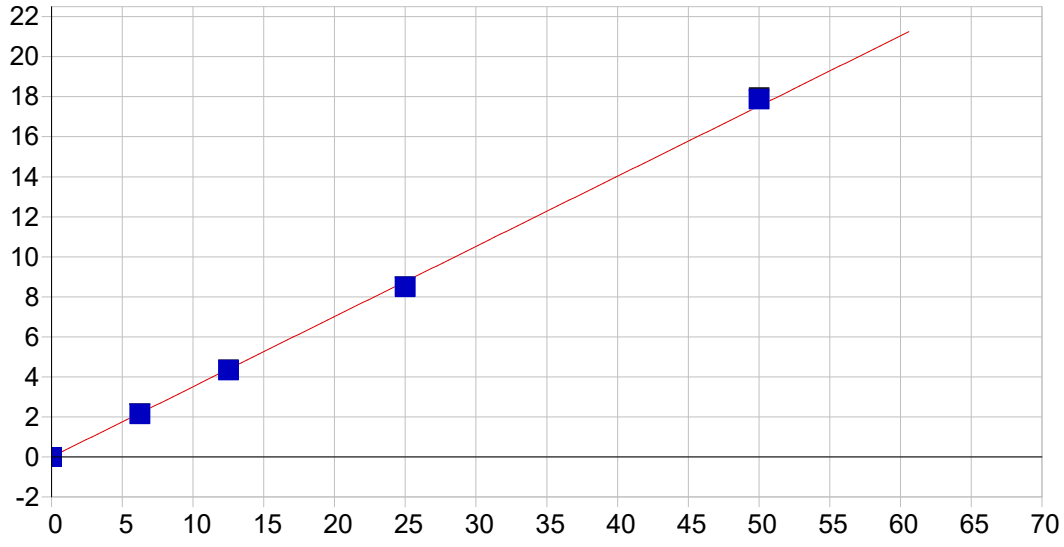
Tl 190.856 {477}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000342	Re-Slope:	1.000000
A1 (Gain):	0.081117	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999927	Status:	OK.
Std Error of Est:	0.000026		
Predicted MDL:	0.003623		
Predicted MQL:	0.012076		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00034	.000	1
S1	.02500	.02736	.002	9.46	.00181	.000	1
S2	1.2500	1.2605	.011	.841	.10164	.000	1
S3	2.5000	2.5389	.039	1.56	.20508	.001	1
S4	5.0000	4.9090	-.091	-1.82	.39682	.001	1
S5	10.000	10.039	.039	.393	.81192	.002	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



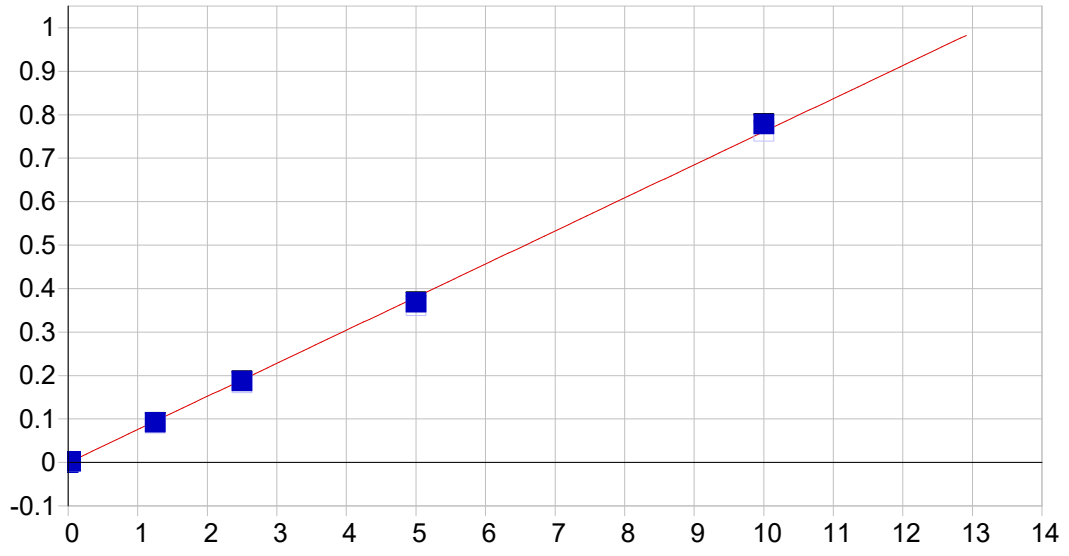
Pb 220.353 {453}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000135	Re-Slope:	1.000000
A1 (Gain):	0.350619	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999747	Status:	OK.
Std Error of Est:	0.000295		
Predicted MDL:	0.002288		
Predicted MQL:	0.007628		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00014	.001	1
S1	.01000	.00842	-.002	-15.8	.00307	.001	1
S2	6.2500	6.1312	-.119	-1.90	2.1475	.003	1
S3	12.500	12.375	-.125	-.997	4.3345	.001	1
S4	25.000	24.238	-.762	-3.05	8.4889	.010	1
S5	50.000	51.007	1.01	2.01	17.865	.055	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



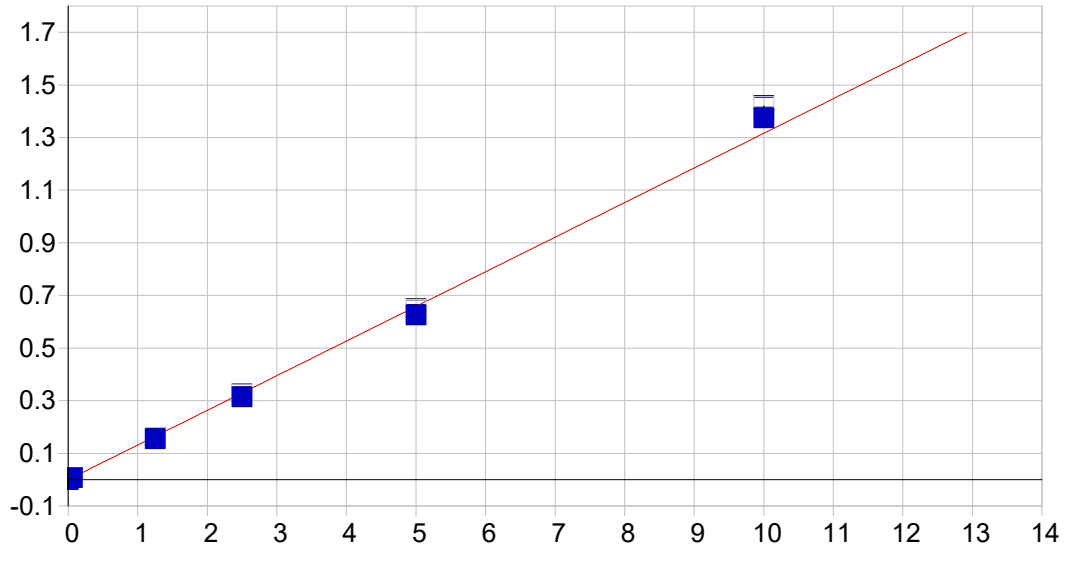
Se 196.090 {472}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000252	Re-Slope:	1.000000
A1 (Gain):	0.076112	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999668	Status:	OK.
Std Error of Est:	0.000060		
Predicted MDL:	0.004410		
Predicted MQL:	0.014700		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00025	.000	1
S1	.03500	.03245	-.003	-7.28	.00221	.000	1
S2	1.2500	1.2142	-.036	-2.86	.09002	.000	1
S3	2.5000	2.4639	-.036	-1.44	.18300	.001	1
S4	5.0000	4.8440	-.156	-3.12	.35987	.001	1
S5	10.000	10.230	.230	2.30	.76128	.002	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



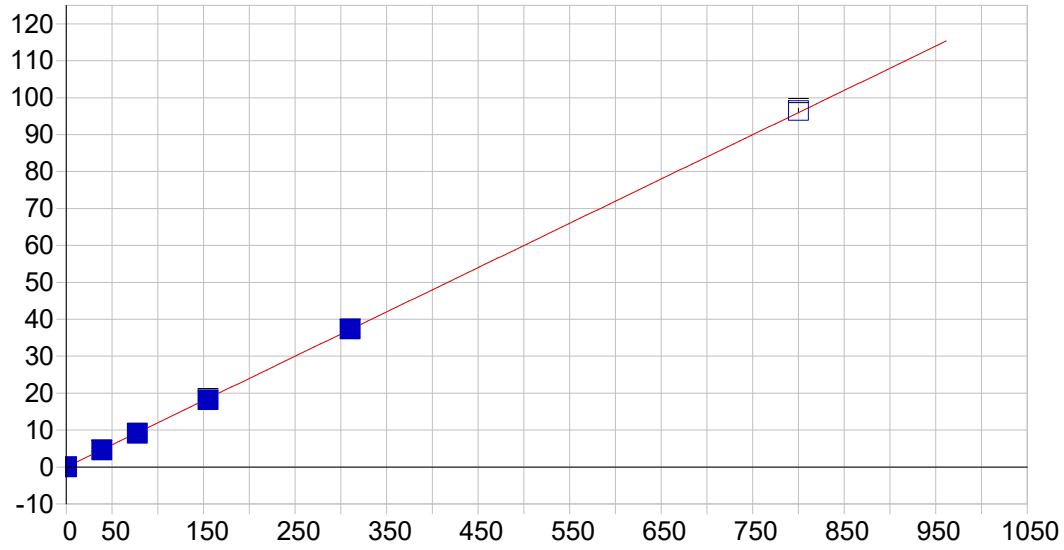
Sb 206.833 {463}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000155	Re-Slope:	1.000000
A1 (Gain):	0.131601	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998944	Status:	OK.
Std Error of Est:	0.000257		
Predicted MDL:	0.003267		
Predicted MQL:	0.010890		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00016	.000	1
S1	.06000	.05665	-.003	-5.58	.00761	.000	1
S2	1.2500	1.1714	-.079	-6.29	.15981	.001	1
S3	2.5000	2.3857	-.114	-4.57	.32512	.001	1
S4	5.0000	4.7515	-.248	-4.97	.64746	.002	1
S5	10.000	10.445	.445	4.45	1.4187	.003	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



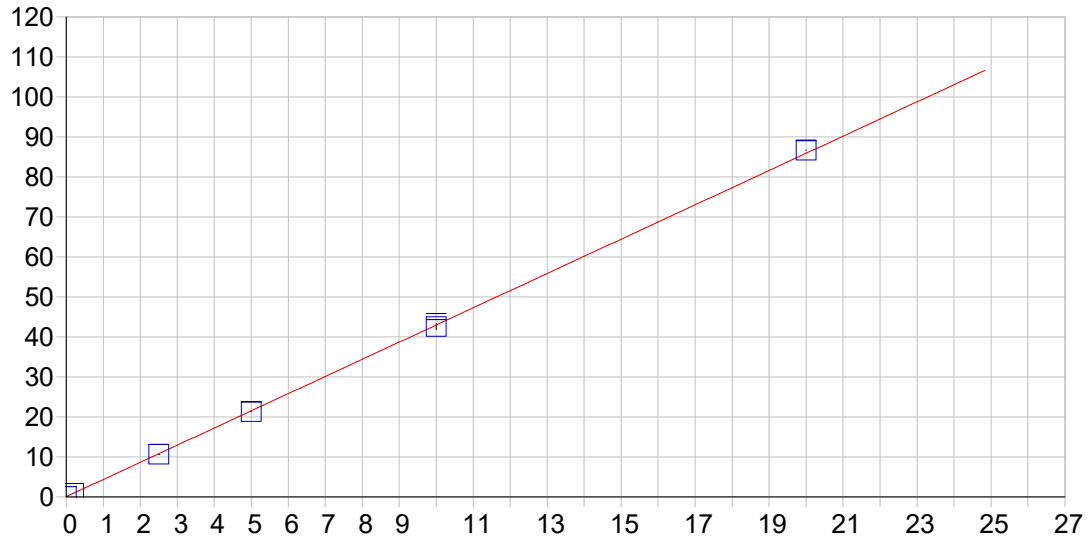
Al 396.152 { 85}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.005186	Re-Slope:	1.000000
A1 (Gain):	0.119963	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999943	Status:	OK.
Std Error of Est:	0.000795		
Predicted MDL:	0.025668		
Predicted MQL:	0.085559		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.00519	.002	1
S1	.20000	.22162	.022	10.8	.02144	.003	1
S2	38.750	37.875	-.875	-2.26	4.5435	.006	1
S3	77.500	75.880	-1.62	-2.09	9.1077	.034	1
S4	155.00	151.71	-3.29	-2.13	18.214	.292	1
S5	310.00	311.10	1.10	.356	37.356	.034	1
S6	800.00	804.67	4.67	.583	96.525	.559	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



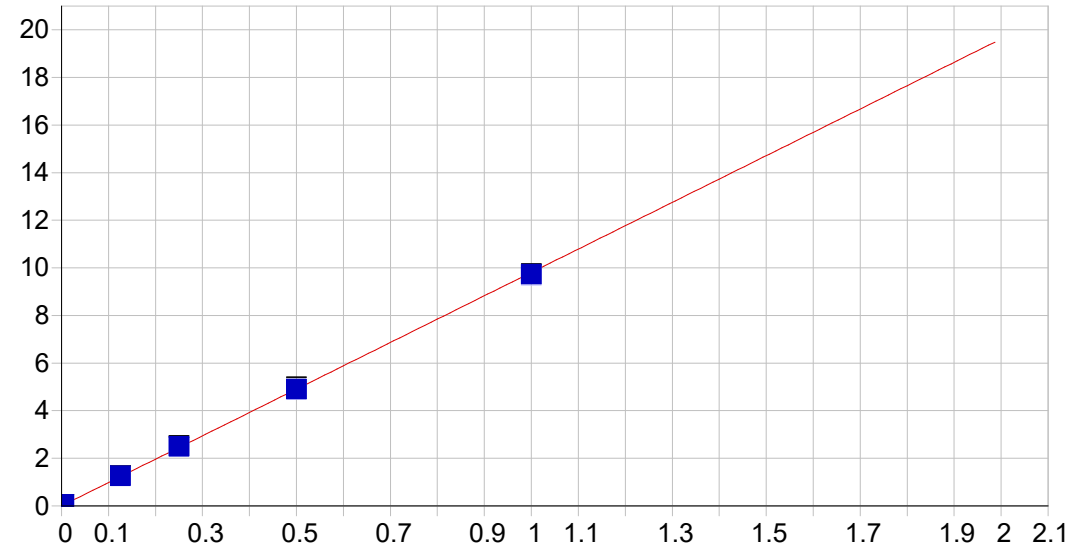
Ba 493.409 { 68}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.059957	Re-Slope:	1.000000
A1 (Gain):	4.291399	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999957	Status:	OK.
Std Error of Est:	0.004244		
Predicted MDL:	0.001517		
Predicted MQL:	0.005057		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.05997	.014	1
S1	.20000	.20102	.001	.512	.92263	.004	1
S2	2.5000	2.4644	-.036	-1.42	10.636	.006	1
S3	5.0000	4.9503	-.050	-.993	21.304	.056	1
S4	10.000	9.9119	-.088	-.881	42.596	.742	1
S5	20.000	20.172	.172	.861	86.627	.094	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



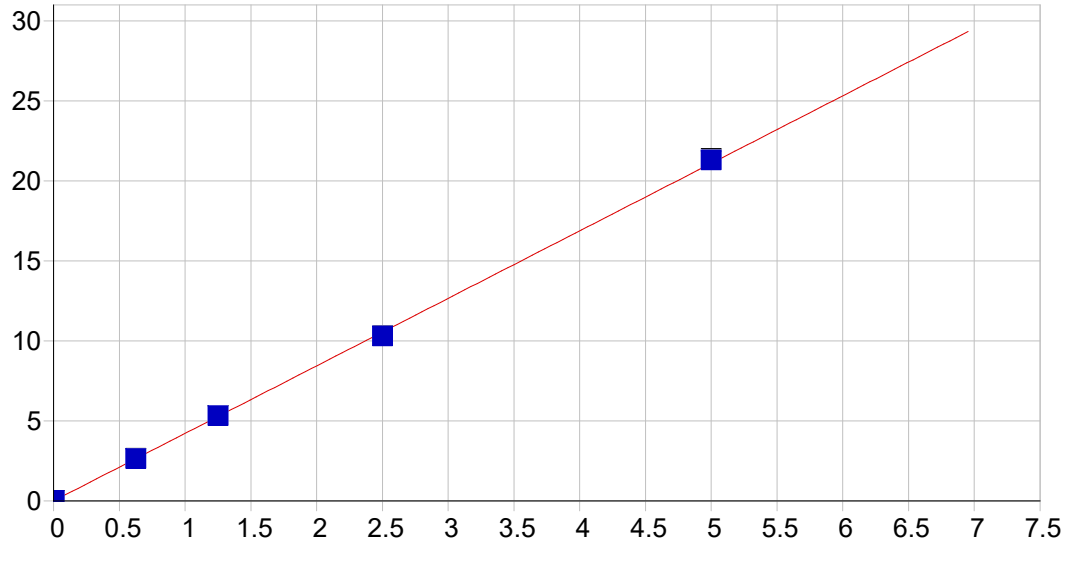
Be 234.861 {144}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001631	Re-Slope:	1.000000
A1 (Gain):	9.807787	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999925	Status:	OK.
Std Error of Est:	0.000450		
Predicted MDL:	0.000131		
Predicted MQL:	0.000437		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00163	.001	1
S1	.00500	.00525	.000	5.07	.05311	.000	1
S2	.12500	.12852	.004	2.82	1.2565	.009	1
S3	.25000	.25497	.005	1.99	2.4911	.031	1
S4	.50000	.49956	-.000	-.088	4.8787	.099	1
S5	1.0000	.99169	-.008	-.831	9.6829	.038	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



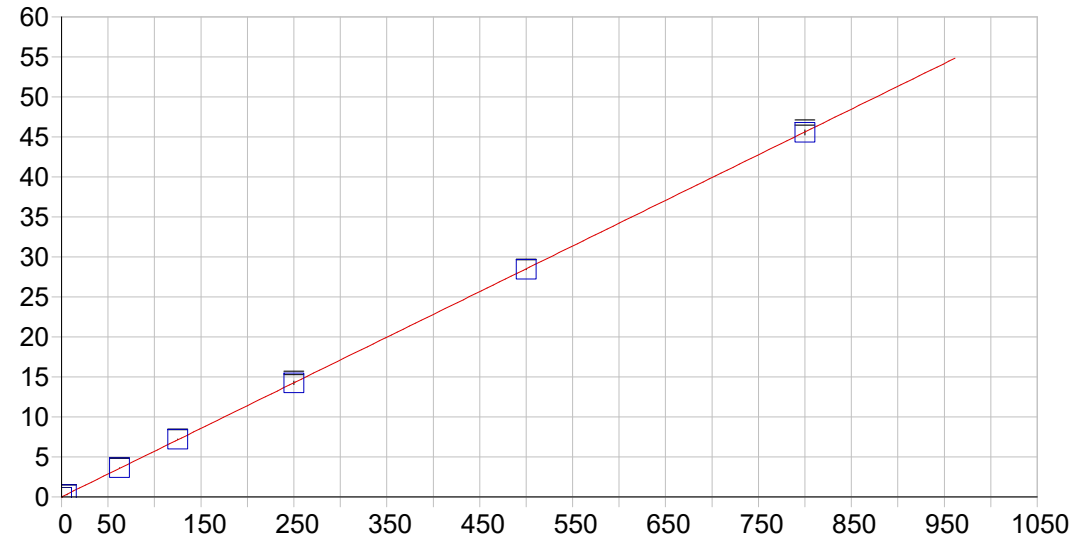
Cd 214.438 {457}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000638	Re-Slope:	1.000000
A1 (Gain):	4.219567	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999897	Status:	OK.
Std Error of Est:	0.000509		
Predicted MDL:	0.000118		
Predicted MQL:	0.000394		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00064	.000	1
S1	.00500	.00496	-.000	-.769	.02165	.001	1
S2	.62500	.62670	.002	.272	2.6491	.006	1
S3	1.2500	1.2615	.011	.919	5.3317	.010	1
S4	2.5000	2.4407	-.059	-2.37	10.316	.011	1
S5	5.0000	5.0461	.046	.923	21.326	.065	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



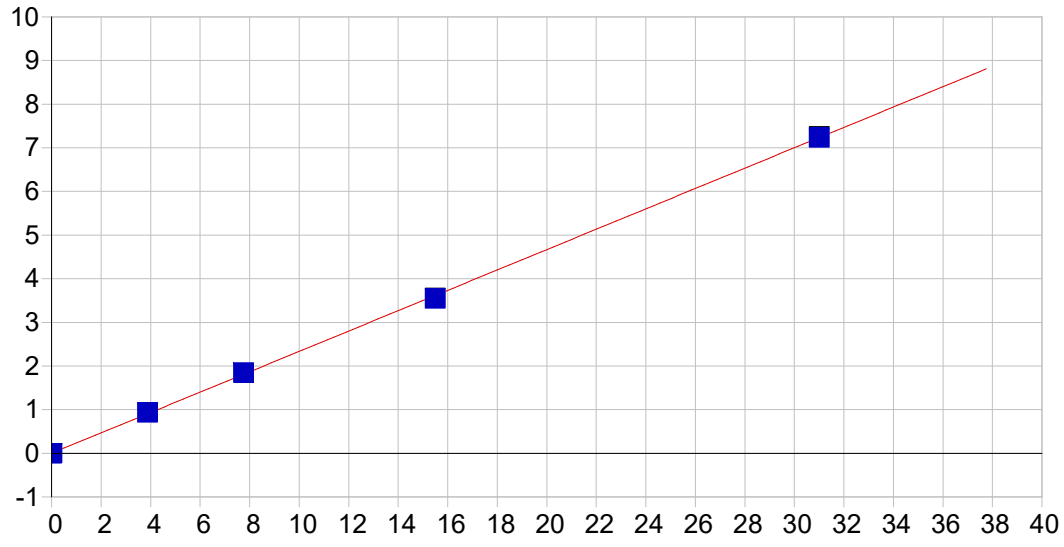
Ca 373.690 { 90}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.008027	Re-Slope:	1.000000
A1 (Gain):	0.057013	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999993	Status:	OK.
Std Error of Est:	0.000759		
Predicted MDL:	0.036050		
Predicted MQL:	0.120167		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00014	-.000	.000	.00802	.001	1
S1	5.0000	5.0495	.050	.991	.29592	.001	1
S2	62.500	63.377	.877	1.40	3.6213	.010	1
S3	125.00	126.08	1.08	.866	7.1963	.035	1
S4	250.00	249.84	-.159	-.063	14.252	.216	1
S5	500.00	498.92	-1.08	-.216	28.453	.037	1
S6	800.00	799.23	-.769	-.096	45.574	.315	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



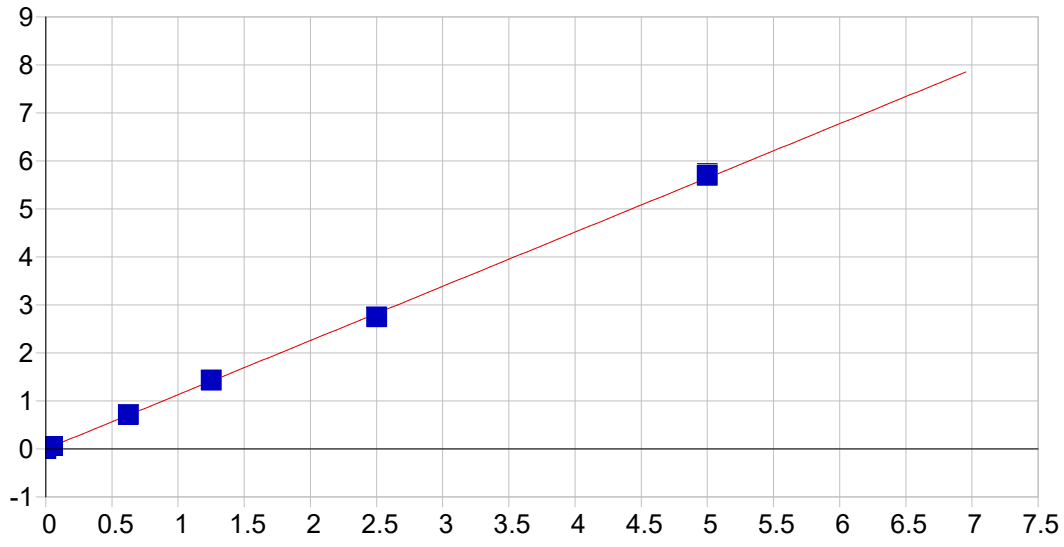
Cr 267.716 {126}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000231	Re-Slope:	1.000000
A1 (Gain):	0.233353	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999881	Status:	OK.
Std Error of Est:	0.000106		
Predicted MDL:	0.000934		
Predicted MQL:	0.003115		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00023	.000	1
S1	.01000	.00956	-.000	-4.40	.00246	.000	1
S2	3.8750	4.0070	.132	3.41	.93598	.002	1
S3	7.7500	7.9207	.171	2.20	1.8499	.002	1
S4	15.500	15.205	-.295	-1.90	3.5511	.005	1
S5	31.000	30.993	-.007	-.023	7.2381	.018	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



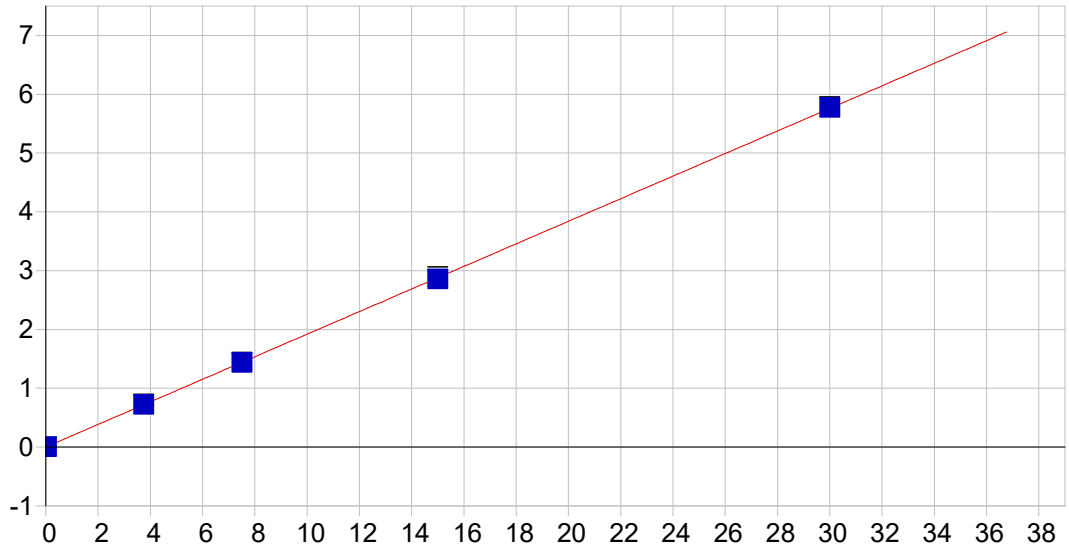
Co 228.616 {448}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000360	Re-Slope:	1.000000
A1 (Gain):	1.129159	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999875	Status:	OK.
Std Error of Est:	0.000476		
Predicted MDL:	0.000483		
Predicted MQL:	0.001611		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00036	.000	1
S1	.05000	.05108	.001	2.15	.05750	.001	1
S2	.62500	.63130	.006	1.01	.71475	.001	1
S3	1.2500	1.2642	.014	1.13	1.4316	.001	1
S4	2.5000	2.4342	-.066	-2.63	2.7573	.005	1
S5	5.0000	5.0443	.044	.886	5.7137	.022	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



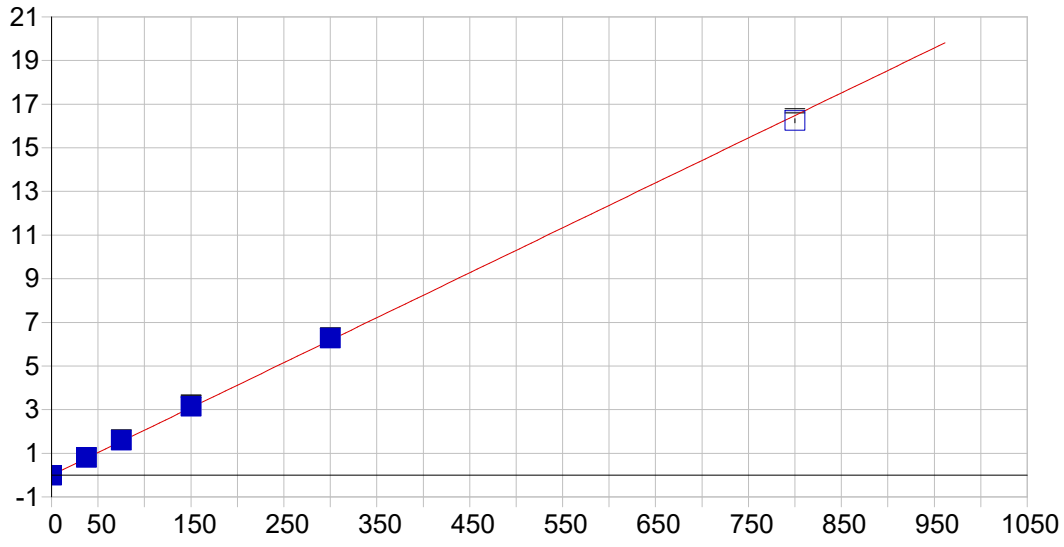
Cu 324.754 {104}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001468	Re-Slope:	1.000000
A1 (Gain):	0.191957	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999982	Status:	OK.
Std Error of Est:	0.000052		
Predicted MDL:	0.008087		
Predicted MQL:	0.026956		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00147	.002	1
S1	.02500	.02886	.004	15.4	.00700	.001	1
S2	3.7500	3.7833	.033	.888	.72761	.004	1
S3	7.5000	7.4874	-.013	-.168	1.4386	.004	1
S4	15.000	14.889	-.111	-.737	2.8593	.036	1
S5	30.000	30.086	.086	.287	5.7760	.012	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



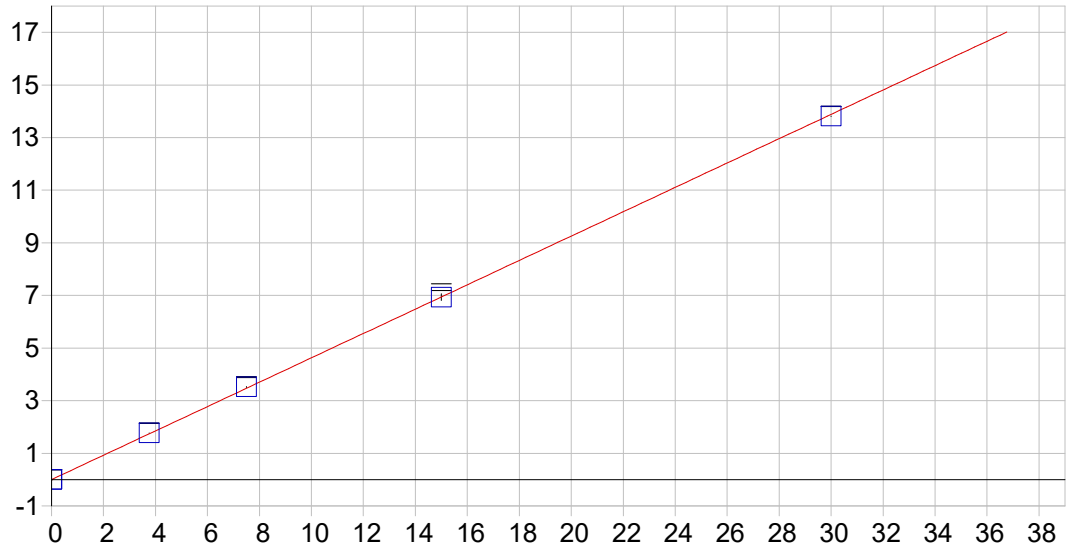
Fe 259.837 {130}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000159	Re-Slope:	1.000000
A1 (Gain):	0.020604	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999837	Status:	OK.
Std Error of Est:	0.000163		
Predicted MDL:	0.036143		
Predicted MQL:	0.120477		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00003	-.000	.000	-.00016	.001	1
S1	.10000	.12137	.021	21.4	.00234	.000	1
S2	37.500	38.887	1.39	3.70	.80125	.003	1
S3	75.000	77.537	2.54	3.38	1.5977	.006	1
S4	150.00	153.06	3.06	2.04	3.1543	.054	1
S5	300.00	304.63	4.63	1.54	6.2779	.012	1
S6	800.00	788.35	-11.6	-1.46	16.243	.095	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



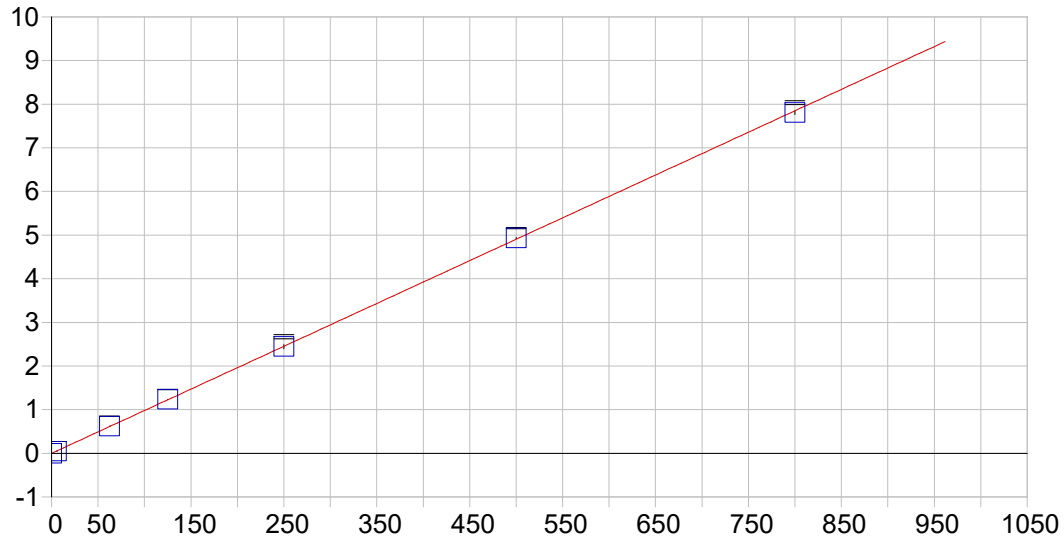
Mn 257.610 {131}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000226	Re-Slope:	1.000000
A1 (Gain):	0.462809	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999966	Status:	OK.
Std Error of Est:	0.000135		
Predicted MDL:	0.001420		
Predicted MQL:	0.004733		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00023	.000	1
S1	.01500	.01673	.002	11.5	.00797	.000	1
S2	3.7500	3.8189	.069	1.84	1.7676	.007	1
S3	7.5000	7.6060	.106	1.41	3.5204	.017	1
S4	15.000	14.980	-.020	-.134	6.9331	.130	1
S5	30.000	29.843	-.157	-.522	13.812	.007	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



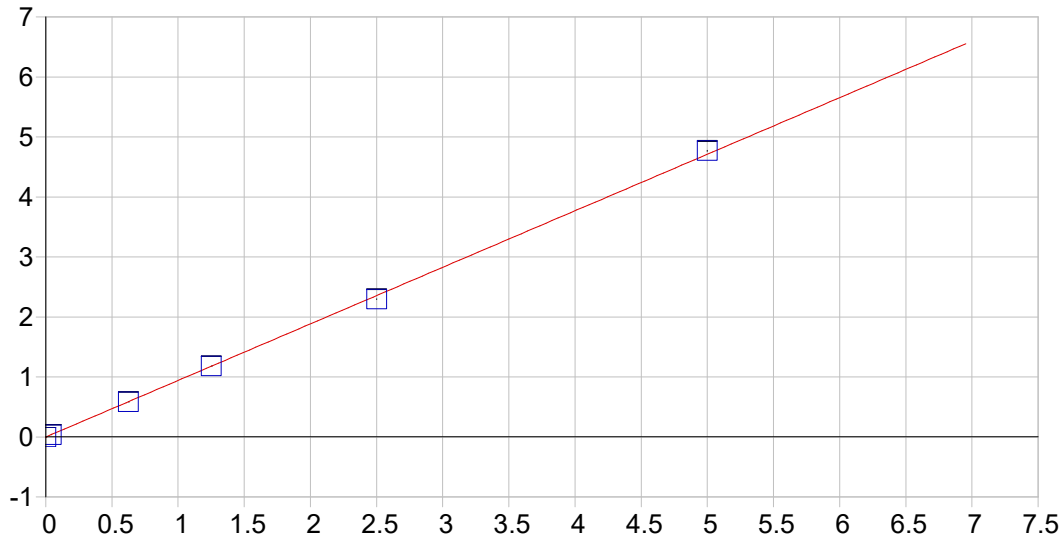
Mg 279.079 {121}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001515	Re-Slope:	1.000000
A1 (Gain):	0.009812	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999981	Status:	OK.
Std Error of Est:	0.000210		
Predicted MDL:	0.096315		
Predicted MQL:	0.321051		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00031	-.000	.000	-.00152	.000	1
S1	5.0000	5.2308	.231	4.62	.04981	.001	1
S2	62.500	63.176	.676	1.08	.61839	.001	1
S3	125.00	125.91	.906	.725	1.2339	.006	1
S4	250.00	249.38	-.620	-.248	2.4455	.048	1
S5	500.00	502.99	2.99	.598	4.9340	.014	1
S6	800.00	795.82	-4.18	-.523	7.8074	.041	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



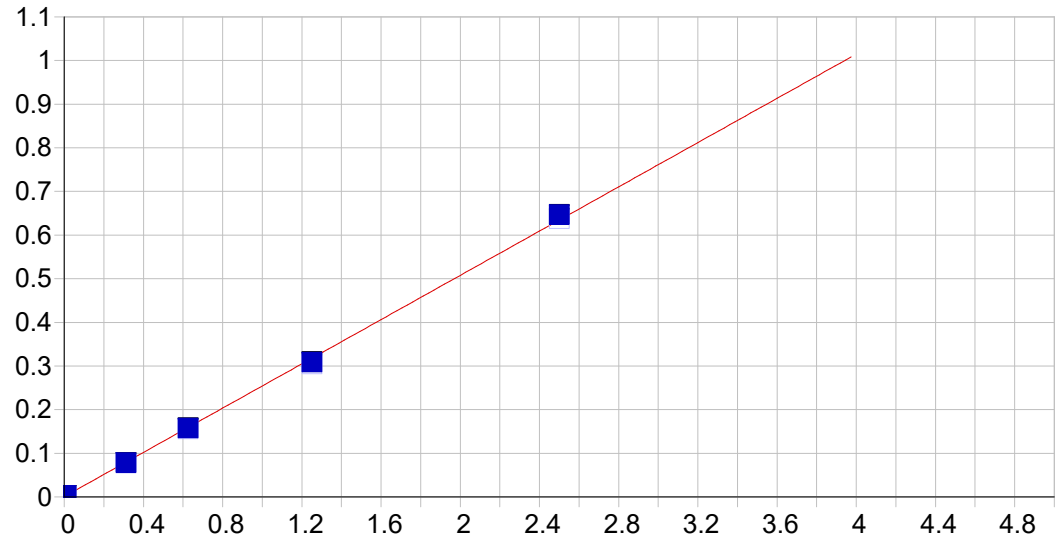
Ni 231.604 {446}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001258	Re-Slope:	1.000000
A1 (Gain):	0.942511	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999874	Status:	OK.
Std Error of Est:	0.000356		
Predicted MDL:	0.000650		
Predicted MQL:	0.002168		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00126	.001	1
S1	.04000	.04094	.001	2.35	.03733	.000	1
S2	.62500	.62074	-.004	-.682	.58379	.000	1
S3	1.2500	1.2550	.005	.404	1.1816	.001	1
S4	2.5000	2.4374	-.063	-2.50	2.2960	.003	1
S5	5.0000	5.0609	.061	1.22	4.7687	.009	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



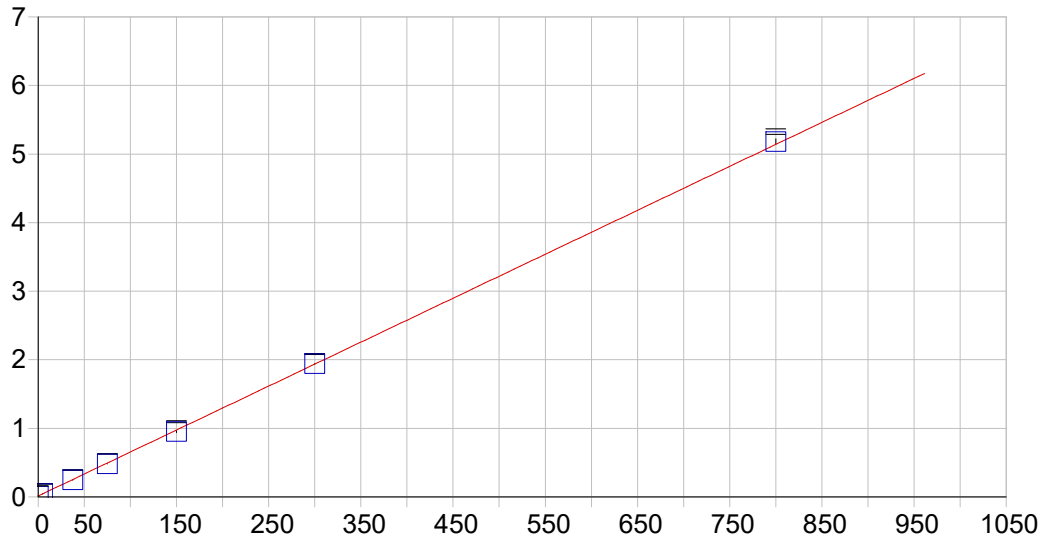
Ag 328.068 {103}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000720	Re-Slope:	1.000000
A1 (Gain):	0.253538	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999779	Status:	OK.
Std Error of Est:	0.000044		
Predicted MDL:	0.001501		
Predicted MQL:	0.005003		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00072	.000	1
S1	.01000	.00980	-.000	-2.03	.00320	.000	1
S2	.31250	.30606	-.006	-2.06	.07718	.000	1
S3	.62500	.61847	-.007	-1.05	.15524	.001	1
S4	1.2500	1.2160	-.034	-2.72	.30445	.001	1
S5	2.5000	2.5472	.047	1.89	.63740	.001	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

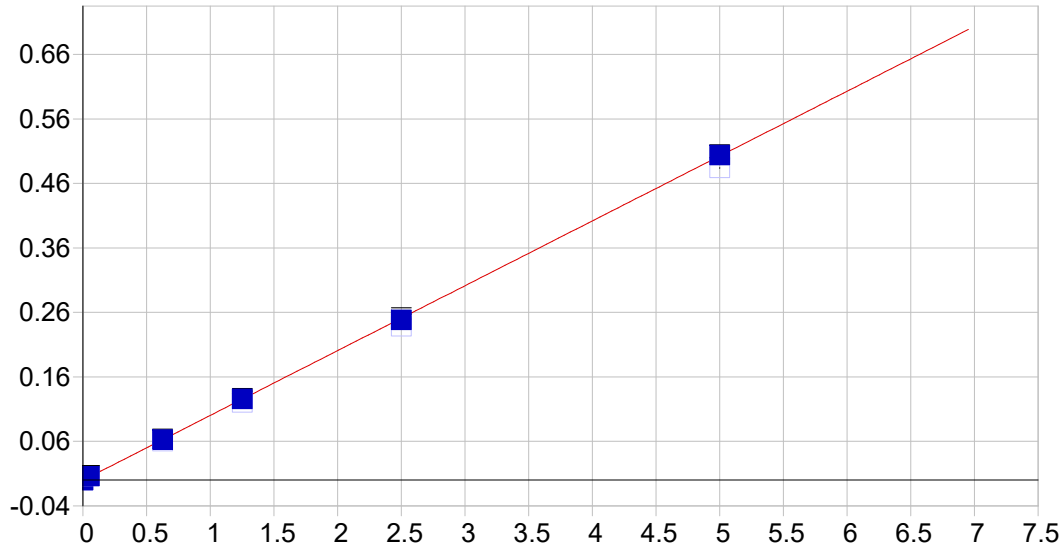


Na 818.326 { 41}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.014106	Re-Slope:	1.000000
A1 (Gain):	0.006408	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999918	Status:	OK.
Std Error of Est:	0.000254		
Predicted MDL:	0.802267		
Predicted MQL:	2.674224		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00037	.000	.000	.01411	.005	1
S1	5.0000	4.9699	-.030	-.602	.04596	.006	1
S2	37.500	36.499	-1.00	-2.67	.24801	.005	1
S3	75.000	73.037	-1.96	-2.62	.48216	.004	1
S4	150.00	146.22	-3.78	-2.52	.95112	.013	1
S5	300.00	300.43	.430	.143	1.9394	.005	1
S6	800.00	806.35	6.35	.793	5.1815	.040	1



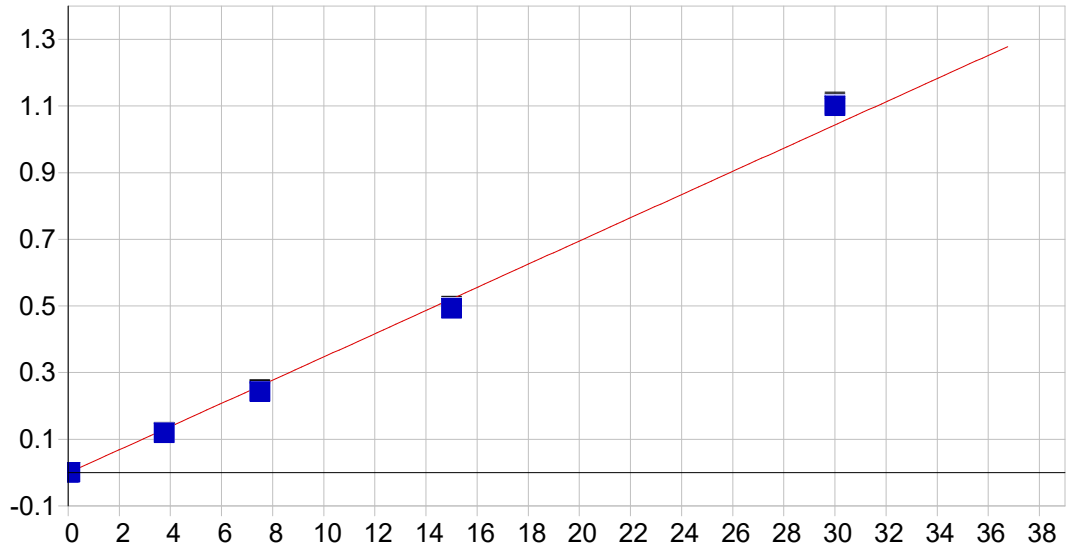
V 292.402 {115}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000210	Re-Slope:	1.000000
A1 (Gain):	0.100527	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999791	Status:	OK.
Std Error of Est:	0.000052		
Predicted MDL:	0.009268		
Predicted MQL:	0.030895		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.00021	.000	1
S1	.05000	.06274	.013	25.5	.00608	.001	1
S2	.62500	.62384	-.001	-.185	.05999	.001	1
S3	1.2500	1.2505	.000	.036	.12046	.001	1
S4	2.5000	2.4716	-.028	-1.14	.23818	.004	1
S5	5.0000	5.0159	.016	.318	.48388	.000	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



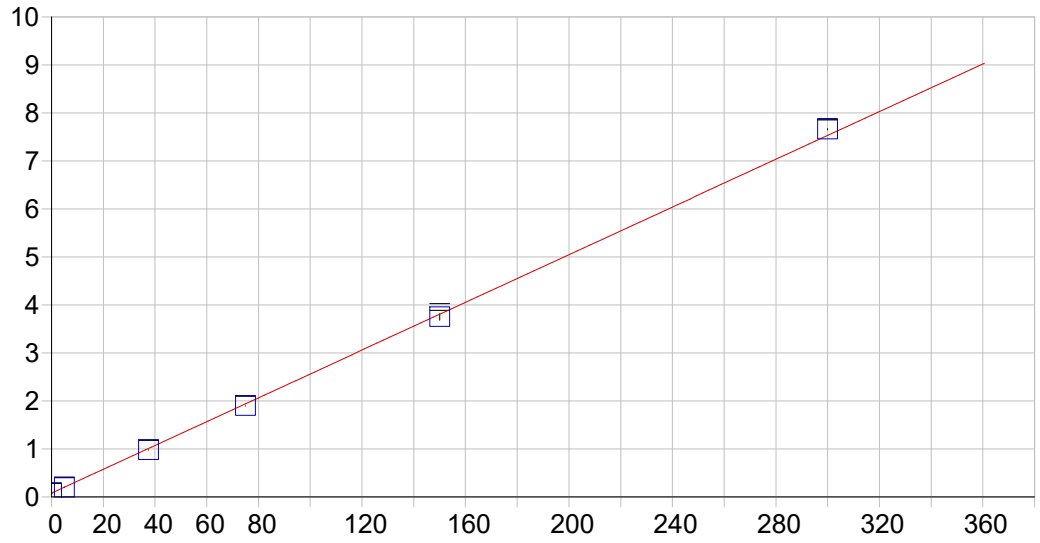
Zn 213.856 {158}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001112	Re-Slope:	1.000000
A1 (Gain):	0.034810	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998287	Status:	OK.
Std Error of Est:	0.000146		
Predicted MDL:	0.012124		
Predicted MQL:	0.040414		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00003	.000	.000	-.00111	.000	1
S1	.06000	.04210	-.018	-29.8	.00036	.001	1
S2	3.7500	3.4468	-.303	-8.08	.11951	.001	1
S3	7.5000	7.0070	-.493	-6.57	.24408	.004	1
S4	15.000	14.184	-.816	-5.44	.49517	.004	1
S5	30.000	31.630	1.63	5.43	1.1050	.007	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



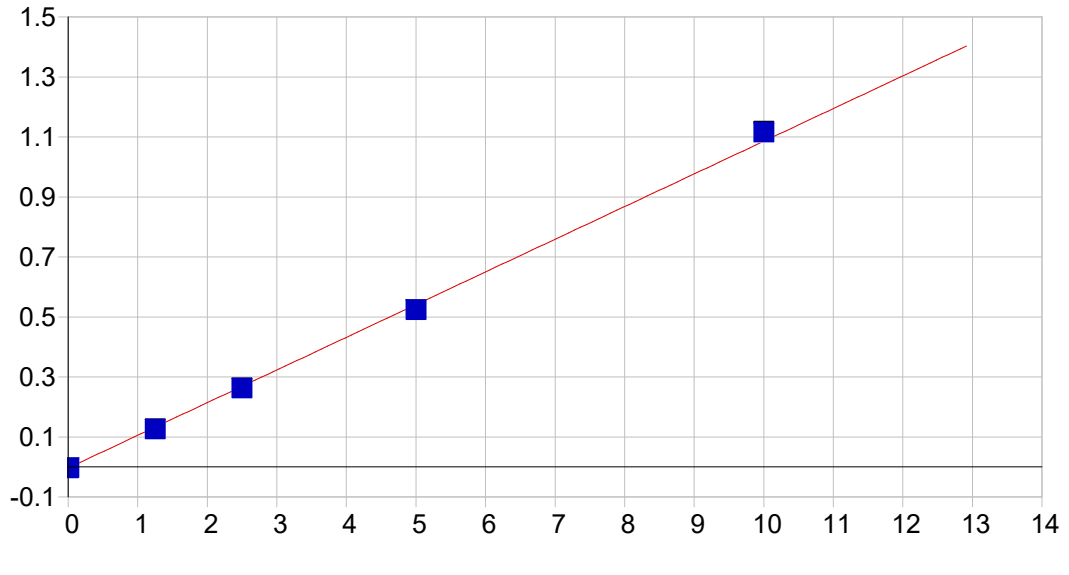
K 769.896 { 44}

Date of Fit: 12/23/2024 13:53:26 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.077346	Re-Slope:	1.000000
A1 (Gain):	0.024844	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999813	Status:	OK.
Std Error of Est:	0.000991		
Predicted MDL:	0.162277		
Predicted MQL:	0.540923		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00038	.000	.000	.07736	.006	1
S1	5.0000	4.8971	-.103	-2.06	.19901	.006	1
S2	37.500	36.211	-1.29	-3.44	.97697	.003	1
S3	75.000	73.238	-1.76	-2.35	1.8969	.006	1
S4	150.00	147.85	-2.15	-1.43	3.7506	.069	1
S5	300.00	305.30	5.30	1.77	7.6624	.013	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



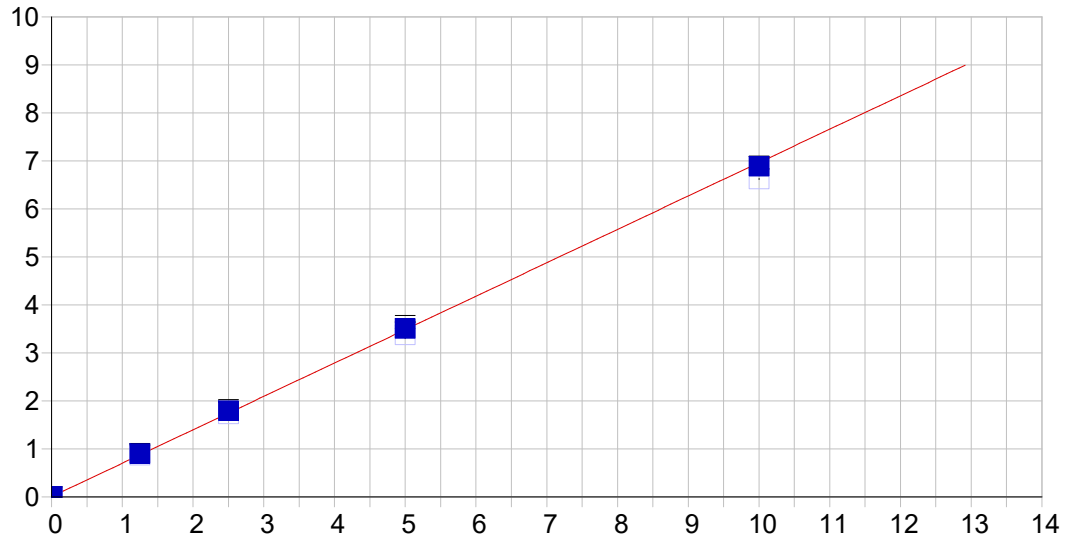
P 177.495 {490}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.003606	Re-Slope:	1.000000
A1 (Gain):	0.108914	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999540	Status:	OK.
Std Error of Est:	0.000055		
Predicted MDL:	0.002310		
Predicted MQL:	0.007699		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00361	.000	1
S1	.01000	.00967	-.000	-3.33	-.00255	.000	1
S2	1.2500	1.1873	-.063	-5.01	.12551	.000	1
S3	2.5000	2.4420	-.058	-2.32	.26197	.001	1
S4	5.0000	4.8424	-.158	-3.15	.52301	.001	1
S5	10.000	10.279	.279	2.79	1.1143	.004	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



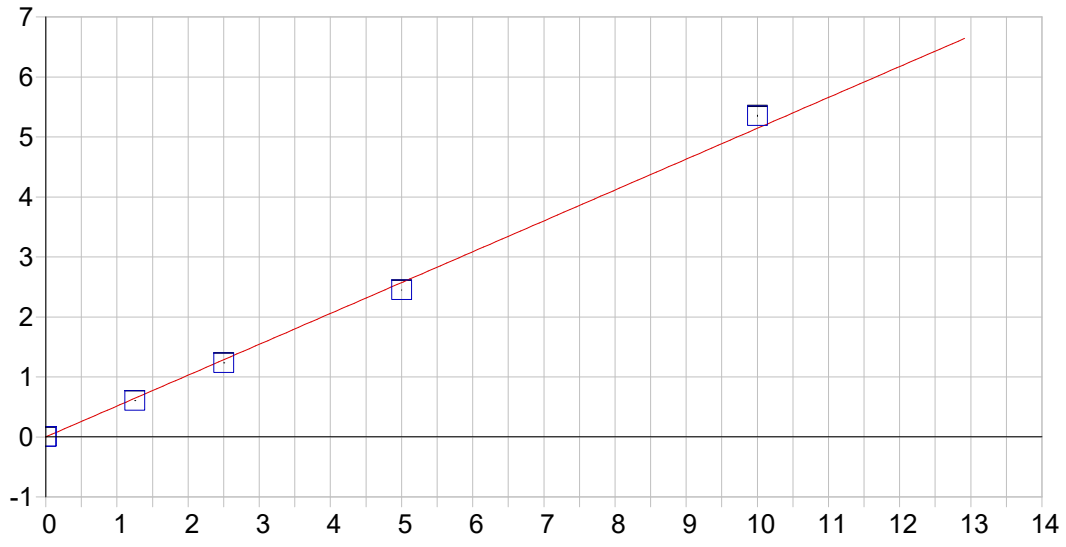
B 249.678 {135}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.006362	Re-Slope:	1.000000
A1 (Gain):	0.695827	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999482	Status:	OK.
Std Error of Est:	0.000361		
Predicted MDL:	0.002653		
Predicted MQL:	0.008845		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00637	.002	1
S1	.01000	-.00184	-.012	-118.	.00504	.002	1
S2	1.2500	1.2828	.033	2.63	.86591	.007	1
S3	2.5000	2.5651	.065	2.60	1.7251	.026	1
S4	5.0000	5.0263	.026	.527	3.3715	.068	1
S5	10.000	9.8880	-.112	-1.12	6.6221	.008	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



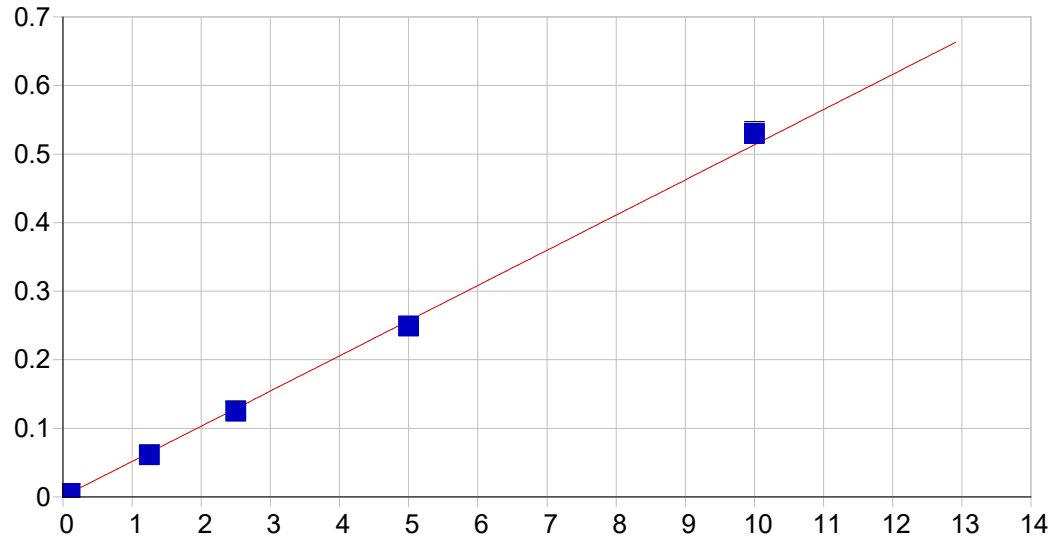
Mo 202.030 {467}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000060	Re-Slope:	1.000000
A1 (Gain):	0.514327	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999031	Status:	OK.
Std Error of Est:	0.000380		
Predicted MDL:	0.000669		
Predicted MQL:	0.002230		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00006	.000	1
S1	.01000	.01089	.001	8.95	.00566	.000	1
S2	1.2500	1.1787	-.071	-5.71	.60628	.000	1
S3	2.5000	2.4008	-.099	-3.97	1.2349	.002	1
S4	5.0000	4.7599	-.240	-4.80	2.4482	.002	1
S5	10.000	10.410	.410	4.10	5.3540	.011	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



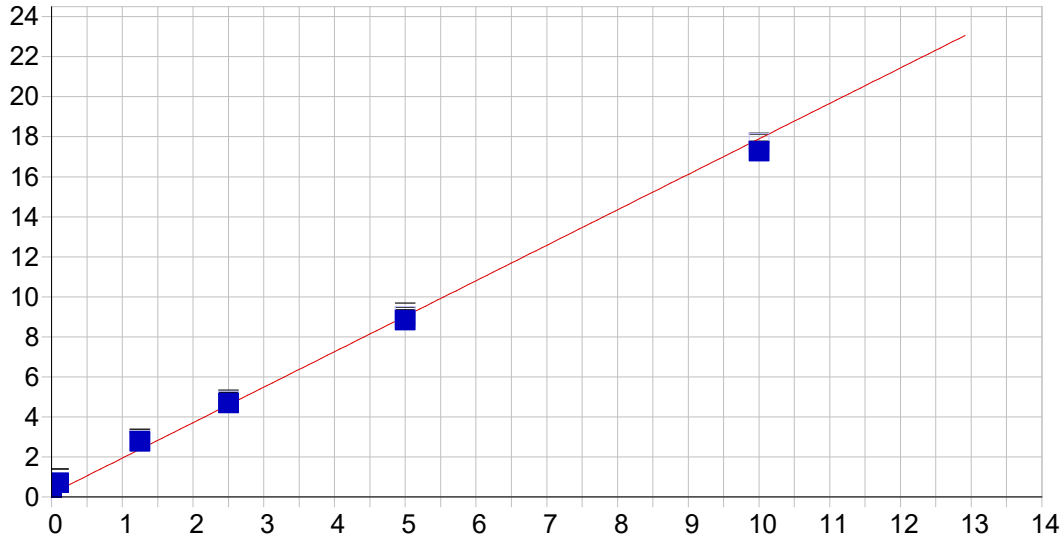
S 182.034 {485}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000493	Re-Slope:	1.000000
A1 (Gain):	0.051305	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999414	Status:	OK.
Std Error of Est:	0.000094		
Predicted MDL:	0.005236		
Predicted MQL:	0.017452		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00049	.000	1
S1	.10000	.09031	-.010	-9.69	.00513	.000	1
S2	1.2500	1.1800	-.070	-5.60	.06124	.000	1
S3	2.5000	2.4215	-.078	-3.14	.12514	.000	1
S4	5.0000	4.8424	-.158	-3.15	.24976	.000	1
S5	10.000	10.316	.316	3.16	.53139	.001	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



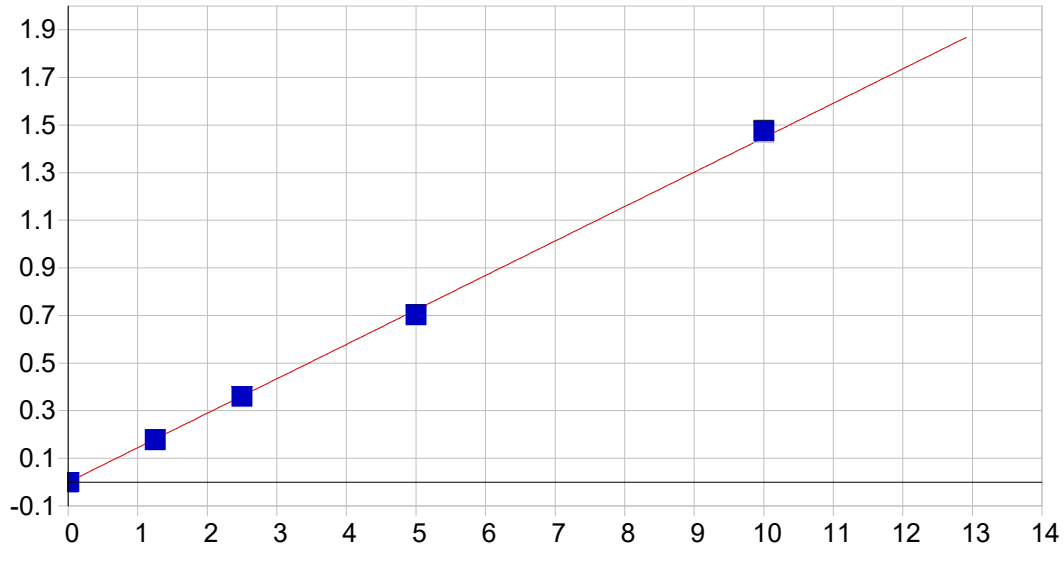
Si 251.611 {134}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.164857	Re-Slope:	1.000000
A1 (Gain):	1.772742	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.988066	Status:	OK.
Std Error of Est:	0.015018		
Predicted MDL:	0.000946		
Predicted MQL:	0.003154		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00022	-.000	.000	.16447	.003	1
S1	.10000	.30592	.206	206.	.70968	.194	1
S2	1.2500	1.4690	.219	17.5	2.8193	.079	1
S3	2.5000	2.5471	.047	1.88	4.7808	.064	1
S4	5.0000	4.8835	-.117	-2.33	9.0232	.167	1
S5	10.000	9.6462	-.354	-3.54	17.668	.027	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



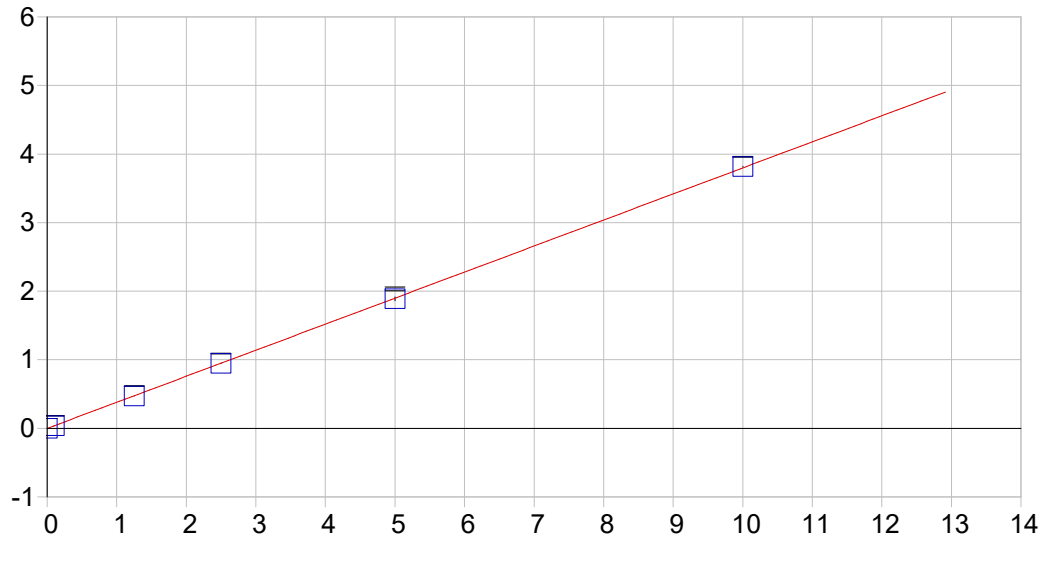
Sn 189.989 {478}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000003	Re-Slope:	1.000000
A1 (Gain):	0.144693	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999769	Status:	OK.
Std Error of Est:	0.000043		
Predicted MDL:	0.001676		
Predicted MQL:	0.005585		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00000	.000	1
S1	.00700	.00724	.000	3.47	.00101	.000	1
S2	1.2500	1.2245	-.025	-2.04	.17628	.001	1
S3	2.5000	2.4849	-.015	-.603	.35774	.000	1
S4	5.0000	4.8517	-.148	-2.97	.69839	.002	1
S5	10.000	10.189	.189	1.89	1.4670	.004	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



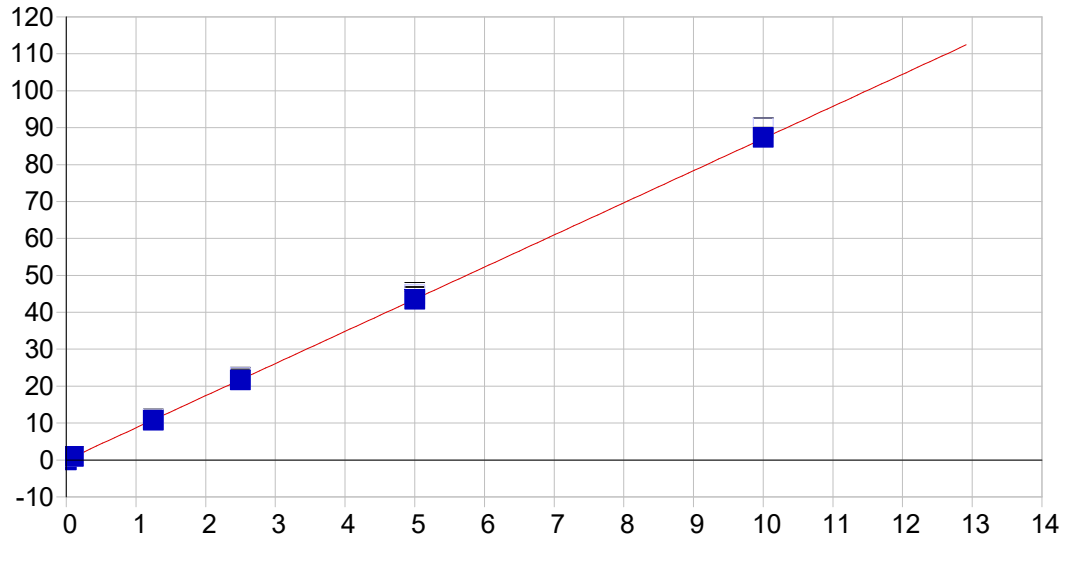
Ti 336.121 {100}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000042	Re-Slope:	1.000000
A1 (Gain):	0.379794	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999989	Status:	OK.
Std Error of Est:	0.000094		
Predicted MDL:	0.003669		
Predicted MQL:	0.012231		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00004	.002	1
S1	.10000	.09999	-.000	-.014	.03793	.001	1
S2	1.2500	1.2434	-.007	-.525	.47221	.002	1
S3	2.5000	2.4877	-.012	-.491	.94479	.005	1
S4	5.0000	4.9754	-.025	-.493	1.8896	.027	1
S5	10.000	10.043	.043	.435	3.8144	.005	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



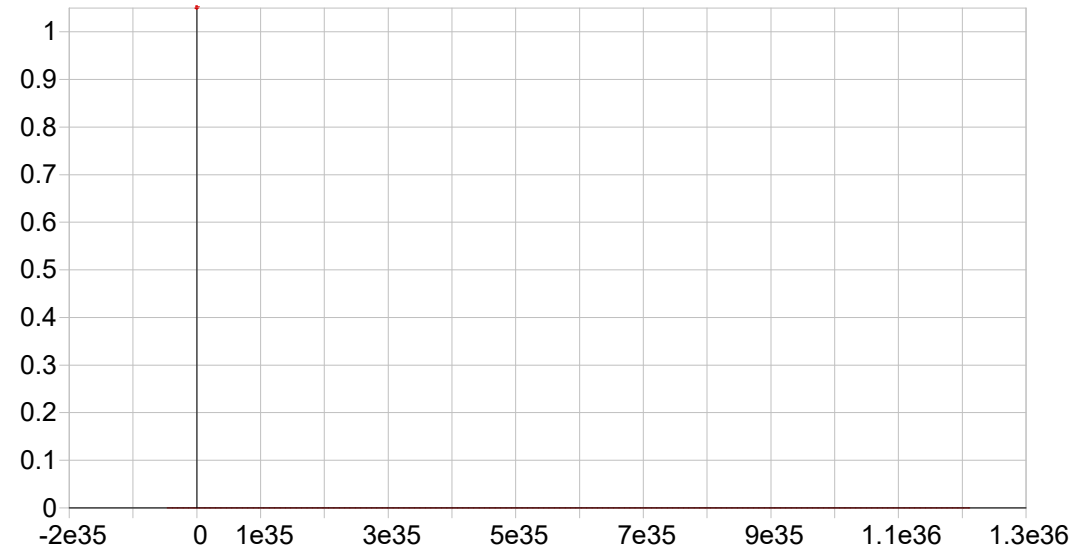
Sr 407.771 { 83}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.003722	Re-Slope:	1.000000
A1 (Gain):	8.705836	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999987	Status:	OK.
Std Error of Est:	0.002466		
Predicted MDL:	0.000269		
Predicted MQL:	0.000897		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00374	.001	1
S1	.10000	.10403	.004	4.03	.90284	.007	1
S2	1.2500	1.2331	-.017	-1.35	11.058	.041	1
S3	2.5000	2.4871	-.013	-.515	22.302	.084	1
S4	5.0000	4.9982	-.002	-.036	44.815	.548	1
S5	10.000	10.028	.028	.277	89.908	.078	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

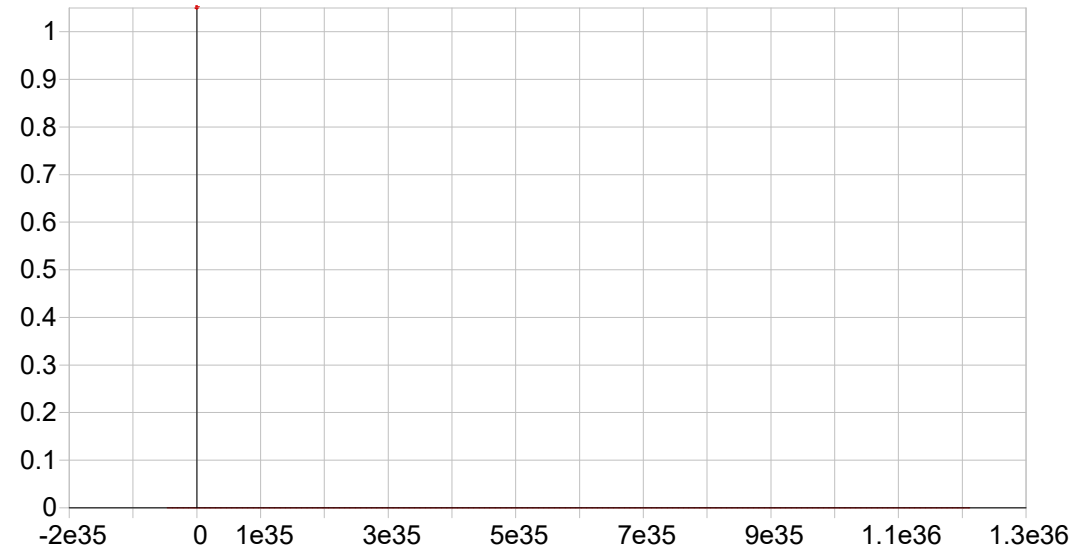


Y 224.306 {450}*

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		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

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

Reviewed By:Mohan
On:12/25/2024
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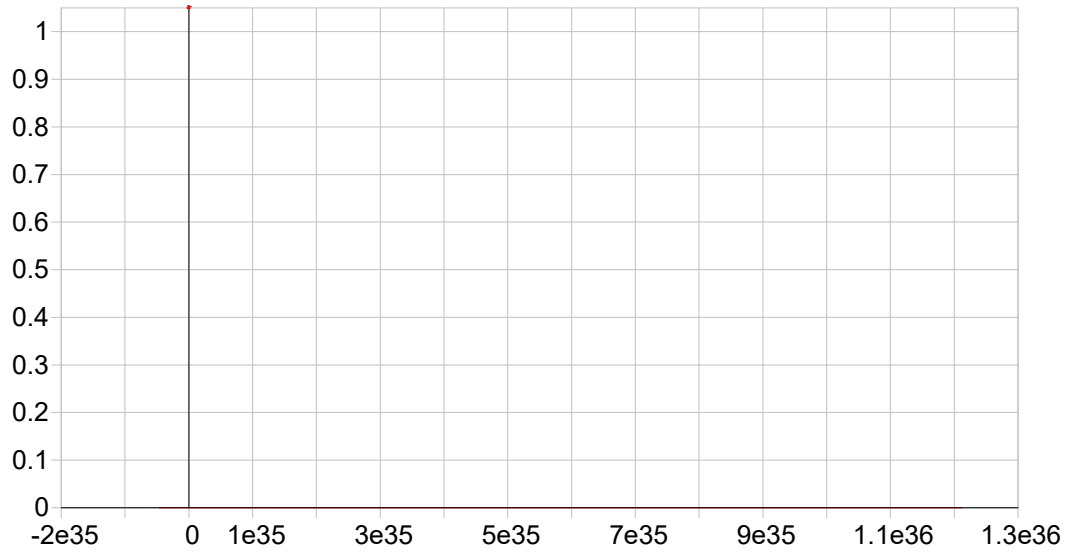
Inst Id :P5

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

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



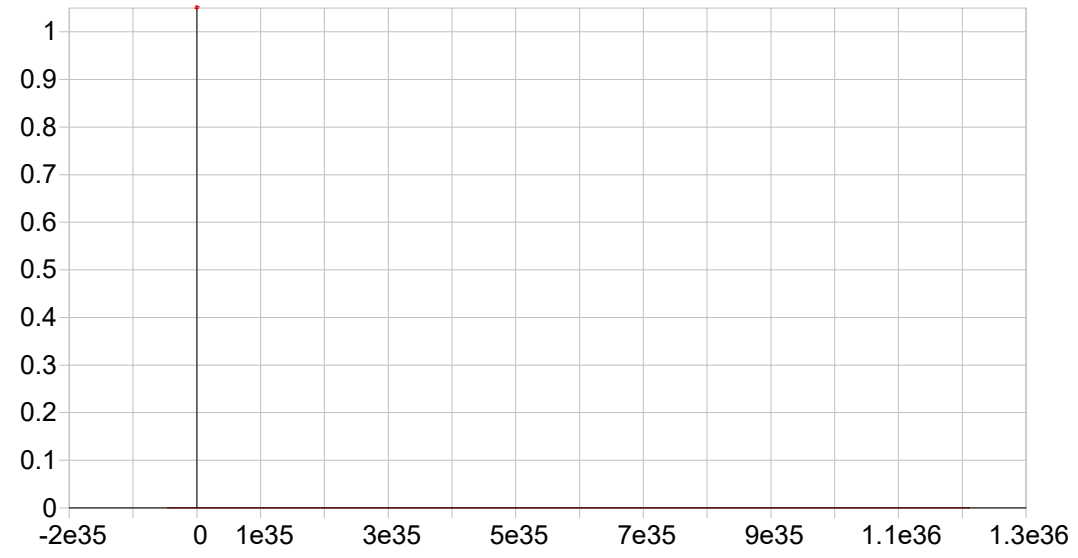
Y 371.030 { 91}*

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

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

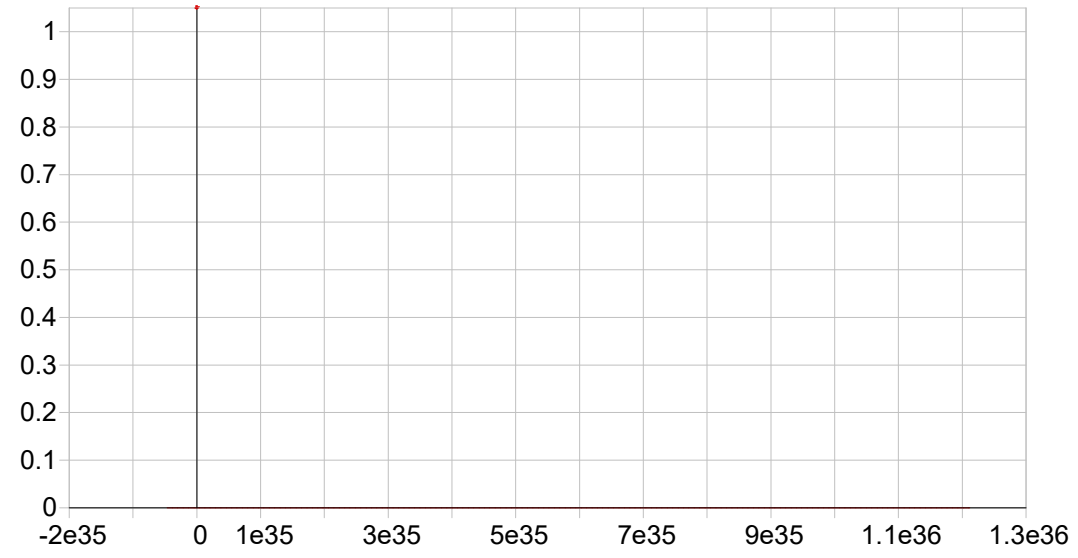
Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5



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				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

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



In 230.606 {446}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	

Reviewed By:Mohan
On:12/25/2024
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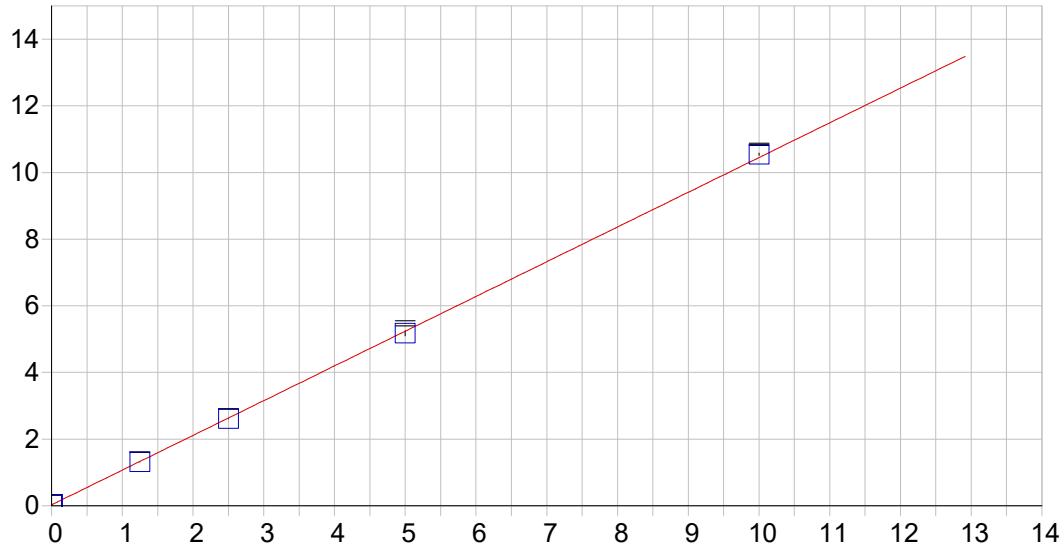
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000	Status:	Warning	Zero Gain	
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

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



Li 670.784 { 50}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.027254		Re-Slope:	1.000000	
A1 (Gain):	1.042196		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.999943	Status:	OK.		
Std Error of Est:	0.000229				
Predicted MDL:	0.004384				
Predicted MQL:	0.014613				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.02725	.004	1
S5	10.000	10.094	.094	.942	10.547	.033	1
S4	5.0000	4.9437	-.056	-1.13	5.1796	.078	1
S3	2.5000	2.4767	-.023	-.933	2.6084	.006	1
S2	1.2500	1.2337	-.016	-1.31	1.3130	.004	1
S1	.01500	.01673	.002	11.5	.04469	.003	1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: S0 Acquired: 12/23/2024 13:14:46 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S0 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	.70768	-.00034	.00014	-.00025	.00016	-.00519	.05997	.00163
Stddev	.19001	.00029	.00063	.00019	.00032	.00177	.01352	.00112
%RSD	26.850	85.141	461.10	75.935	206.33	34.166	22.540	68.875
#1	.51993	-.00006	.00022	-.00026	-.00005	-.00562	.07097	.00166
#2	.89988	-.00032	.00071	-.00044	-.00001	-.00670	.06407	.00273
#3	.70324	-.00064	-.00053	-.00006	.00053	-.00324	.04488	.00049

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	.00064	.00802	.00023	-.00036	.00147	-.00016	.00023	-.00152
Stddev	.00024	.00084	.00028	.00028	.00189	.00079	.00028	.00026
%RSD	38.236	10.441	123.12	76.052	128.86	493.88	123.53	17.300
#1	.00090	.00830	.00023	-.00005	.00210	-.00031	.00051	-.00131
#2	.00041	.00868	.00052	-.00058	.00296	.00070	-.00004	-.00181
#3	.00060	.00708	-.00005	-.00046	-.00066	-.00086	.00020	-.00143

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	-.00126	.00072	.01411	-.00021	-.00111	.07736	-.00361	.00637
Stddev	.00050	.00020	.00454	.00007	.00006	.00617	.00015	.00178
%RSD	39.834	27.169	32.194	35.390	5.0425	7.9755	4.0572	27.994
#1	-.00154	.00077	.00963	-.00030	-.00106	.07547	-.00344	.00445
#2	-.00155	.00050	.01871	-.00016	-.00117	.08425	-.00372	.00798
#3	-.00068	.00088	.01398	-.00018	-.00110	.07235	-.00366	.00667

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00006	.00049	.16447	.00000	-.00004	-.00374	.02725
Stddev	.00037	.00023	.00263	.00007	.00161	.00108	.00374
%RSD	615.56	46.421	1.6015	2062.3	3848.8	28.978	13.718
#1	.00018	.00036	.16470	.00003	.00039	-.00392	.02999
#2	-.00035	.00036	.16698	.00005	-.00183	-.00473	.02877
#3	.00035	.00076	.16172	-.00007	.00132	-.00258	.02299

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: S0 Acquired: 12/23/2024 13:14:46 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S0 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1973.1	25641.	2057.2	1695.9	1769.4
Stddev	1.7	420.	40.0	24.4	3.3
%RSD	.08470	1.6362	1.9451	1.4406	.18520
#1	1975.0	26075.	2073.7	1722.2	1765.6
#2	1971.9	25238.	2011.6	1673.9	1770.9
#3	1972.4	25610.	2086.4	1691.6	1771.5

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: S1 Acquired: 12/23/2024 13:18:52 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S01 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	1.5820	.00181	.00307	.00221	.00761	.02144	.92263	.05311
Stddev	.2244	.00010	.00075	.00040	.00007	.00265	.00446	.00047
%RSD	14.186	5.7191	24.336	17.979	.89782	12.346	.48377	.88778
#1	1.7598	.00187	.00292	.00242	.00767	.01903	.92440	.05341
#2	1.3298	.00186	.00241	.00175	.00754	.02102	.92593	.05257
#3	1.6564	.00169	.00388	.00247	.00763	.02427	.91755	.05336

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	.02165	.29592	.00246	.05750	.00700	.00234	.00797	.04981
Stddev	.00054	.00136	.00020	.00103	.00109	.00031	.00021	.00107
%RSD	2.5035	.46022	8.0777	1.7839	15.619	13.229	2.6040	2.1558
#1	.02150	.29526	.00248	.05837	.00814	.00206	.00796	.04947
#2	.02226	.29500	.00226	.05637	.00689	.00267	.00776	.04895
#3	.02120	.29748	.00265	.05775	.00596	.00229	.00818	.05102

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	.03733	.00320	.04596	.00608	.00036	.19901	-.00255	.00504
Stddev	.00019	.00026	.00557	.00102	.00052	.00569	.00008	.00183
%RSD	.51293	8.1318	12.125	16.756	144.49	2.8571	3.3172	36.217
#1	.03746	.00319	.05238	.00720	.00096	.20551	-.00261	.00655
#2	.03711	.00295	.04250	.00584	.00004	.19658	-.00245	.00301
#3	.03742	.00347	.04298	.00521	.00008	.19494	-.00258	.00557

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00566	.00513	.70968	.00101	.03793	.90284	.04469
Stddev	.00021	.00028	.19423	.00024	.00099	.00737	.00271
%RSD	3.7365	5.3727	27.368	24.063	2.6216	.81599	6.0705
#1	.00560	.00504	.60388	.00128	.03685	.91134	.04759
#2	.00549	.00490	.59133	.00094	.03815	.89870	.04221
#3	.00590	.00543	.93384	.00081	.03880	.89847	.04427

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: S1 Acquired: 12/23/2024 13:18:52 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S01 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1994.3	25796.	2073.0	1701.0	1804.2
Stddev	2.3	141.	21.0	7.1	2.0
%RSD	.11614	.54656	1.0121	.41528	.11158
#1	1995.1	25948.	2048.8	1708.7	1804.7
#2	1991.7	25670.	2084.1	1699.3	1802.0
#3	1996.2	25769.	2086.1	1694.9	1805.9

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: S2 Acquired: 12/23/2024 13:23:00 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S02 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	158.99	.10164	2.1475	.09002	.15981	4.5435	10.636	1.2565
Stddev	.37	.00032	.0028	.00028	.00055	.0064	.006	.0086
%RSD	.23046	.31539	.13124	.31178	.34300	.14045	.05518	.68764
#1	159.39	.10128	2.1460	.09034	.15920	4.5442	10.630	1.2579
#2	158.69	.10180	2.1456	.08981	.15996	4.5495	10.641	1.2644
#3	158.87	.10186	2.1507	.08992	.16027	4.5368	10.637	1.2473

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	2.6491	3.6213	.93598	.71475	.72761	.80125	1.7676	.61839
Stddev	.0060	.0103	.00165	.00127	.00378	.00255	.0074	.00058
%RSD	.22472	.28298	.17587	.17787	.51977	.31801	.42008	.09348
#1	2.6492	3.6234	.93787	.71414	.72559	.80337	1.7630	.61772
#2	2.6431	3.6304	.93488	.71389	.73198	.80196	1.7762	.61871
#3	2.6550	3.6102	.93518	.71621	.72528	.79842	1.7638	.61874

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	.58379	.07718	.24801	.05999	.11951	.97697	.12551	.86591
Stddev	.00038	.00010	.00538	.00099	.00132	.00265	.00040	.00654
%RSD	.06489	.13203	2.1677	1.6422	1.1022	.27128	.32171	.75540
#1	.58423	.07715	.24468	.05951	.11938	.97990	.12510	.86834
#2	.58359	.07709	.24514	.06112	.11826	.97628	.12552	.87090
#3	.58356	.07729	.25421	.05933	.12089	.97473	.12591	.85851

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.60628	.06124	2.8193	.17628	.47221	11.058	1.3130
Stddev	.00011	.00028	.0787	.00067	.00222	.041	.0042
%RSD	.01876	.45521	2.7902	.38221	.47057	.36902	.32260
#1	.60640	.06154	2.8989	.17665	.47041	11.026	1.3090
#2	.60625	.06100	2.8175	.17550	.47469	11.104	1.3175
#3	.60618	.06118	2.7416	.17669	.47153	11.043	1.3125

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: S2 Acquired: 12/23/2024 13:23:00 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S02 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1942.5	25366.	2090.0	1658.5	1702.8
Stddev	.6	94.	8.9	15.3	3.3
%RSD	.03338	.37229	.42678	.92523	.19305
#1	1943.2	25320.	2083.9	1654.1	1704.0
#2	1941.9	25474.	2085.8	1675.5	1705.4
#3	1942.3	25302.	2100.2	1645.8	1699.1

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: S3 Acquired: 12/23/2024 13:26:51 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S03 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	315.81	.20508	4.3345	.18300	.32512	9.1077	21.304	2.4911
Stddev	.86	.00088	.0013	.00053	.00089	.0345	.056	.0315
%RSD	.27376	.42785	.03034	.29159	.27326	.37839	.26325	1.2643
#1	315.23	.20471	4.3330	.18273	.32492	9.1275	21.345	2.5272
#2	315.40	.20445	4.3348	.18265	.32434	9.0679	21.240	2.4693
#3	316.81	.20609	4.3356	.18361	.32609	9.1278	21.326	2.4768

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	5.3317	7.1963	1.8499	1.4316	1.4386	1.5977	3.5204	1.2339
Stddev	.0104	.0349	.0019	.0014	.0044	.0062	.0166	.0055
%RSD	.19541	.48478	.10272	.09480	.30774	.38553	.47243	.44765
#1	5.3229	7.2193	1.8509	1.4321	1.4435	1.5997	3.5281	1.2368
#2	5.3289	7.1562	1.8512	1.4301	1.4351	1.5909	3.5013	1.2276
#3	5.3432	7.2136	1.8478	1.4327	1.4371	1.6027	3.5317	1.2374

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	1.1816	.15524	.48216	.12046	.24408	1.8969	.26197	1.7251
Stddev	.0013	.00061	.00355	.00127	.00407	.0060	.00065	.0261
%RSD	.11356	.39321	.73629	1.0509	1.6686	.31505	.24916	1.5135
#1	1.1801	.15491	.48506	.12178	.23946	1.8999	.26121	1.7552
#2	1.1820	.15595	.48322	.12033	.24715	1.8900	.26231	1.7099
#3	1.1827	.15487	.47820	.11926	.24562	1.9008	.26238	1.7101

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.2349	.12514	4.7808	.35774	.94479	22.302	2.6084
Stddev	.0022	.00018	.0638	.00041	.00514	.084	.0062
%RSD	.17641	.14180	1.3340	.11411	.54430	.37712	.23831
#1	1.2332	.12522	4.8544	.35786	.95057	22.390	2.6122
#2	1.2340	.12494	4.7431	.35729	.94305	22.222	2.6013
#3	1.2373	.12526	4.7449	.35808	.94074	22.293	2.6118

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: S3 Acquired: 12/23/2024 13:26:51 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S03 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1892.2	25131.	2092.8	1617.5	1650.8
Stddev	1.4	133.	15.7	10.9	1.0
%RSD	.07322	.53051	.74986	.67645	.05805
#1	1893.8	25257.	2074.7	1630.0	1650.1
#2	1891.1	24991.	2101.3	1610.1	1650.5
#3	1891.9	25146.	2102.4	1612.2	1651.9

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: S4 Acquired: 12/23/2024 13:30:38 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S04 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	612.29	.39682	8.4889	.35987	.64746	18.214	42.596	4.8787
Stddev	.38	.00066	.0103	.00104	.00151	.292	.742	.0992
%RSD	.06242	.16642	.12111	.28870	.23301	1.6027	1.7413	2.0330
#1	612.51	.39738	8.4947	.36104	.64597	18.417	43.137	4.9660
#2	611.85	.39698	8.4771	.35904	.64741	18.345	42.901	4.8993
#3	612.52	.39609	8.4950	.35955	.64899	17.880	41.751	4.7709

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	10.316	14.252	3.5511	2.7573	2.8593	3.1543	6.9331	2.4455
Stddev	.011	.216	.0051	.0055	.0360	.0544	.1298	.0475
%RSD	.10672	1.5159	.14407	.19861	1.2607	1.7237	1.8714	1.9425
#1	10.327	14.403	3.5483	2.7636	2.8801	3.1929	7.0322	2.4782
#2	10.305	14.349	3.5480	2.7534	2.8801	3.1779	6.9808	2.4673
#3	10.316	14.005	3.5570	2.7549	2.8176	3.0921	6.7862	2.3910

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	2.2960	.30445	.95112	.23818	.49517	3.7506	.52301	3.3715
Stddev	.0027	.00130	.01336	.00372	.00399	.0695	.00056	.0684
%RSD	.11915	.42771	1.4044	1.5621	.80573	1.8522	.10730	2.0284
#1	2.2990	.30546	.95979	.24022	.49402	3.8009	.52365	3.4209
#2	2.2936	.30298	.95783	.24043	.49188	3.7796	.52273	3.4002
#3	2.2956	.30492	.93574	.23389	.49961	3.6713	.52264	3.2935

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.4482	.24976	9.0232	.69839	1.8896	44.815	5.1796
Stddev	.0016	.00029	.1674	.00177	.0274	.548	.0777
%RSD	.06614	.11809	1.8549	.25346	1.4480	1.2234	1.5000
#1	2.4478	.25007	9.1503	.69980	1.9079	45.173	5.2234
#2	2.4468	.24948	9.0856	.69640	1.9026	45.089	5.2255
#3	2.4500	.24971	8.8336	.69897	1.8581	44.184	5.0899

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: S4 Acquired: 12/23/2024 13:30:38 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S04 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1840.7	25059.	2069.3	1564.5	1617.1
Stddev	1.1	19.	41.5	1.4	.4
%RSD	.06219	.07559	2.0037	.09139	.02169
#1	1842.0	25080.	2037.6	1566.1	1616.9
#2	1839.8	25044.	2054.2	1563.6	1617.5
#3	1840.2	25052.	2116.2	1563.8	1617.0

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: S5 Acquired: 12/23/2024 13:34:24 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S05 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	1191.1	.81192	17.865	.76128	1.4187	37.356	86.627	9.6829
Stddev	2.7	.00198	.055	.00176	.0027	.034	.094	.0384
%RSD	.22715	.24340	.30602	.23065	.19361	.09097	.10811	.39675
#1	1189.7	.81146	17.832	.76107	1.4183	37.352	86.709	9.6835
#2	1194.2	.81021	17.835	.75964	1.4161	37.325	86.525	9.7210
#3	1189.4	.81408	17.928	.76313	1.4216	37.392	86.648	9.6441

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	21.326	28.453	7.2381	5.7137	5.7760	6.2779	13.812	4.9340
Stddev	.065	.037	.0179	.0220	.0116	.0117	.007	.0143
%RSD	.30403	.13090	.24678	.38437	.20035	.18647	.04965	.28965
#1	21.298	28.447	7.2357	5.7008	5.7646	6.2666	13.809	4.9261
#2	21.279	28.418	7.2216	5.7012	5.7757	6.2771	13.807	4.9255
#3	21.400	28.492	7.2571	5.7390	5.7877	6.2900	13.820	4.9505

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	4.7687	.63740	1.9394	.48388	1.1050	7.6624	1.1143	6.6221
Stddev	.0094	.00084	.0052	.00044	.0068	.0128	.0037	.0084
%RSD	.19647	.13236	.26806	.09192	.61653	.16680	.33344	.12630
#1	4.7638	.63758	1.9428	.48343	1.1024	7.6560	1.1142	6.6151
#2	4.7627	.63648	1.9334	.48432	1.0999	7.6540	1.1106	6.6197
#3	4.7795	.63814	1.9420	.48388	1.1128	7.6771	1.1180	6.6313

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.3540	.53139	17.668	1.4670	3.8144	89.908	10.547
Stddev	.0106	.00141	.027	.0043	.0054	.078	.033
%RSD	.19809	.26491	.15534	.29500	.14160	.08658	.31474
#1	5.3570	.53101	17.681	1.4665	3.8133	89.880	10.561
#2	5.3423	.53022	17.685	1.4629	3.8097	89.847	10.510
#3	5.3629	.53295	17.636	1.4715	3.8203	89.996	10.571

Reviewed By:Mohan
On:12/25/2024
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Inst Id :P5

Sample Name: S5 Acquired: 12/23/2024 13:34:24 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S05 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1634.7	23577.	2036.8	1373.0	1480.6
Stddev	7.0	32.	6.9	5.4	6.2
%RSD	.42581	.13406	.33647	.39292	.42003
#1	1631.9	23549.	2035.5	1369.6	1480.6
#2	1642.6	23611.	2030.6	1379.2	1486.8
#3	1629.5	23570.	2044.2	1370.2	1474.3

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: S6 Acquired: 12/23/2024 13:38:17 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S06 Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3736	Fe2598	Mg2790	Na8183
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	96.525	45.574	16.243	7.8074	5.1815
Stddev	.559	.315	.095	.0410	.0403
%RSD	.57887	.69185	.58431	.52533	.77686
#1	96.948	45.768	16.294	7.8359	5.2229
#2	95.892	45.210	16.134	7.7604	5.1425
#3	96.736	45.744	16.302	7.8259	5.1791

Int. Std.	Y_3710
Units	Cts/S
Avg	1999.3
Stddev	14.5
%RSD	.72647
#1	1983.3
#2	2011.7
#3	2003.0

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: ICV001 Acquired: 12/23/2024 13:56:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.097705	1.009504	.9904277	.9805424	.9066308	2.443882
Stddev	.002451	.004636	.0032467	.0029034	.0033667	.025575
%RSD	.2233201	.4592311	.3278049	.2960991	.3713419	1.046477
#1	1.099905	1.014729	.9927212	.9798775	.9029474	2.435952
#2	1.098146	1.007902	.9918492	.9780292	.9095491	2.423212
#3	1.095063	1.005881	.9867127	.9837206	.9073958	2.472483

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5206880	.5265912	.5121546	10.21306	.5547057	.5097208
Stddev	.0039120	.0046471	.0002879	.05874	.0013900	.0009832
%RSD	.7513106	.8824801	.0562055	.5751161	.2505833	.1928990
#1	.5192724	.5261751	.5119337	10.17669	.5554431	.5095012
#2	.5176810	.5221661	.5124802	10.18168	.5555716	.5107953
#3	.5251108	.5314323	.5120500	10.28082	.5531023	.5088660

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5028334	10.58304	.5318669	6.327666	.5215067	.2467561
Stddev	.0142278	.03737	.0072838	.218736	.0004380	.0014089
%RSD	2.829521	.3531366	1.369473	3.456821	.0839888	.5709741
#1	.5011987	10.54076	.5237633	6.147006	.5215685	.2454262
#2	.4894936	10.59672	.5339685	6.265134	.5219106	.2482326
#3	.5178079	10.61165	.5378688	6.570858	.5210411	.2466094

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.650437	.5109738	.9069055	8.866641	F .0027338	F .0016169
Stddev	.401675	.0016811	.0077157	.091244	.0008418	.0015939
%RSD	4.162245	.3290068	.8507769	1.029065	30.79337	98.58114
#1	10.08316	.5113681	.9151831	8.782866	.0034030	.0024636
#2	9.57866	.5124228	.9056205	8.963861	.0017886	.0026087
#3	9.28949	.5091306	.8999129	8.853196	.0030097	-.000222

Reviewed By:Mohan
On:12/25/2024
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Inst Id :P5

Sample Name: ICV001 Acquired: 12/23/2024 13:56:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV001 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0009926	F .0055932	F -.012064	F .0014148	F .0003059	F -.009186
Stddev	.0006746	.0021417	.000981	.0020685	.0012174	.000113
%RSD	67.95988	38.29081	8.130862	146.2025	397.9983	1.227982
#1	.0015541	.0031306	-.011971	.0022120	.0016757	-.009073
#2	.0011794	.0070209	-.013088	.0029662	-.000105	-.009298
#3	.0002443	.0066280	-.011133	-.000934	-.000653	-.009186

Elem	Li6707
Units	ppm
Avg	F .0037256
Stddev	.0059965
%RSD	160.9541
#1	.0058862
#2	.0083423
#3	-.003052

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2029.388	26343.11	2140.188	1740.604	1822.592
Stddev	1.217	67.48	23.552	10.265	1.560
%RSD	.0599480	.2561403	1.100465	.5897588	.0856190
#1	2029.951	26418.49	2140.669	1740.891	1820.855
#2	2030.222	26288.36	2163.496	1750.722	1823.047
#3	2027.992	26322.48	2116.399	1730.198	1823.875

Reviewed By:Mohan
On:12/25/2024
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Inst Id :P5

Sample Name: ICB001 Acquired: 12/23/2024 14:00:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003310	-.001601	-.001366	.0048692	.0006039	.0370921	-.001654
Stddev	.005994	.000820	.001181	.0013263	.0021066	.0263886	.001975
%RSD	181.0692	51.24100	86.50156	27.23961	348.8074	71.14333	119.4467
#1	-.009343	-.002537	-.000033	.0047871	-.001803	.0488166	.000296
#2	.002643	-.001258	-.002285	.0035858	.001501	.0555868	-.001604
#3	-.003231	-.001008	-.001779	.0062346	.002113	.0068730	-.003654

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000002	-.000029	-.016150	-.000513	-.000190	-.003490	-.003411
Stddev	.000016	.000123	.037108	.000715	.000167	.010339	.058460
%RSD	686.6488	432.6773	229.7738	139.5119	87.68182	296.2715	1713.859
#1	-.000017	-.000077	-.019499	-.000879	-.000318	-.014298	-.068760
#2	.000015	.000112	-.051469	-.000971	-.000250	.006304	.014609
#3	-.000005	-.000120	.022519	.000312	-.000002	-.002475	.043917

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011009	-.001647	.0008901	-.000408	-.231366	-.004941	-.004143
Stddev	.0007370	.103436	.0003304	.002012	.184844	.003898	.006325
%RSD	66.94802	6279.909	37.11793	493.5170	79.89251	78.89524	152.6425
#1	.0004190	-.102843	.0005669	-.002376	-.426916	-.005804	.003110
#2	.0010008	.103892	.0008761	.001646	-.207669	-.000683	-.008504
#3	.0018828	-.005990	.0012272	-.000493	-.059513	-.008335	-.007036

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.490042	-.002035	-.000443	.0006349	-.006083	-.017388	.0000172
Stddev	.039956	.001447	.002643	.0003115	.006338	.000991	.0010353
%RSD	8.153624	71.07581	596.7517	49.06358	104.2011	5.699089	6022.351
#1	-.448229	-.001815	-.003235	.0009291	-.008127	-.018300	-.000420
#2	-.494059	-.003579	-.000115	.0003086	-.011147	-.016333	.001199
#3	-.527838	-.000711	.002021	.0006671	.001025	-.017530	-.000727

Reviewed By:Mohan
On:12/25/2024
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Inst Id :P5

Sample Name: ICB001 Acquired: 12/23/2024 14:00:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB001 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0007898	.0002543	.0057534
Stddev	.0028597	.0000156	.0010639
%RSD	362.0821	6.129717	18.49102
#1	.0039038	.0002373	.0069385
#2	-.001719	.0002679	.0054412
#3	.000184	.0002576	.0048806

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2021.490	26277.58	2113.547	1737.924	1820.832
Stddev	1.896	91.96	4.502	5.628	2.351
%RSD	.0937862	.3499554	.2130264	.3238464	.1291343
#1	2019.376	26171.50	2109.568	1731.425	1819.942
#2	2022.054	26334.72	2118.434	1741.212	1823.499
#3	2023.040	26326.53	2112.640	1741.134	1819.056

Reviewed By:Mohan
On:12/25/2024
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Inst Id :P5

Sample Name: ICSA001 Acquired: 12/23/2024 14:04:46 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.009508	-.010812	.0055747	.0244191	.0238240	236.4366
Stddev	.003015	.004417	.0014368	.0078781	.0011857	.9851
%RSD	31.70506	40.85655	25.77368	32.26220	4.976829	.4166594
#1	-.006624	-.015680	.0051257	.0165621	.0249401	235.4856
#2	-.009262	-.007058	.0044160	.0323182	.0239527	237.4526
#3	-.012638	-.009697	.0071824	.0243770	.0225793	236.3715

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028451	.0020196	.0010455	242.1648	.0521193	.0364007
Stddev	.0026461	.0001208	.0000499	1.2307	.0006230	.0003283
%RSD	93.00402	5.982478	4.769726	.5081931	1.195302	.9018821
#1	.0027269	.0018898	.0010579	241.2717	.0517763	.0362282
#2	.0002602	.0021288	.0010879	243.5686	.0528384	.0361947
#3	.0055484	.0020402	.0009905	241.6541	.0517432	.0367793

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001171	100.7543	.0123397	257.1051	.0038986	.0026556
Stddev	.006184	.1511	.0014035	.8350	.0002715	.0007506
%RSD	528.2150	.1499542	11.37420	.3247538	6.964331	28.26443
#1	-.003578	100.5890	.0139189	256.1442	.0039558	.0028919
#2	.005855	100.8852	.0118654	257.6543	.0036031	.0032595
#3	-.005790	100.7888	.0112348	257.5167	.0041370	.0018153

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.84089	.0089735	-.015816	-.855043	-.001025	F -.011812
Stddev	.65846	.0158117	.004204	.131253	.001462	.003901
%RSD	35.76858	176.2040	26.58355	15.35046	142.7257	33.02341
#1	-2.17277	.0171335	-.019343	-.995124	-.002578	-.010715
#2	-1.08253	.0190383	-.011163	-.835106	-.000821	-.008578
#3	-2.26737	-.009251	-.016941	-.734899	.000325	-.016144

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: ICSA001 Acquired: 12/23/2024 14:04:46 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA001 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035359	.0200226	-.026184	F .0129833	-.004881	.0015312
Stddev	.0008416	.0010926	.000930	.0009306	.002391	.0006983
%RSD	23.80170	5.456612	3.552547	7.167600	48.97955	45.60576
#1	.0038233	.0188216	-.025751	.0130218	-.002560	.0018082
#2	.0025883	.0209575	-.025550	.0120341	-.004747	.0020484
#3	.0041962	.0202887	-.027252	.0138941	-.007336	.0007369

Elem	Li6707
Units	ppm
Avg	.0084396
Stddev	.0016651
%RSD	19.72960
#1	.0103596
#2	.0073926
#3	.0075665

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1929.079	24812.76	2093.846	1646.319	1647.136
Stddev	1.737	100.46	2.577	7.764	.803
%RSD	.0900649	.4048901	.1230788	.4716181	.0487221
#1	1931.046	24858.16	2093.584	1644.090	1648.062
#2	1927.754	24882.51	2096.545	1654.954	1646.650
#3	1928.437	24697.61	2091.411	1639.913	1646.694

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: ICSAB001 Acquired: 12/23/2024 14:08:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0982024	.0831045	.0572344	.0693546	.5832036	236.9457
Stddev	.0048223	.0101188	.0023294	.0035492	.0044597	2.2810
%RSD	4.910592	12.17602	4.069987	5.117508	.7646963	.9626512
#1	.0930094	.0823399	.0560167	.0671594	.5791173	238.7269
#2	.0990587	.0733897	.0599203	.0734493	.5879608	237.7354
#3	.1025393	.0935840	.0557662	.0674551	.5825328	234.3749

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5258380	.5251327	1.019382	242.5419	.5961679	.5307926
Stddev	.0049631	.0048217	.003271	2.5055	.0018312	.0020734
%RSD	.9438458	.9181903	.3208646	1.033031	.3071629	.3906261
#1	.5285457	.5283708	1.016827	244.2667	.5969659	.5292143
#2	.5288584	.5274360	1.018252	243.6910	.5974646	.5300226
#3	.5201100	.5195913	1.023068	239.6679	.5940731	.5331408

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4788955	101.3140	.5265784	258.1679	1.016280	.1847340
Stddev	.0042526	1.1393	.0073320	2.6874	.004354	.0008688
%RSD	.8879930	1.124525	1.392392	1.040942	.4284452	.4703018
#1	.4806117	102.0543	.5324628	259.7154	1.014028	.1856135
#2	.4820218	101.8857	.5289078	259.7234	1.013512	.1847120
#3	.4740530	100.0021	.5183647	255.0648	1.021298	.1838763

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.944968	.5172710	.9267439	-1.24301	-.002438	F -.011429
Stddev	.925273	.0113762	.0172517	.22769	.002183	.004662
%RSD	97.91576	2.199266	1.861535	18.31793	89.54633	40.79375
#1	-.387888	.5221363	.9327057	-1.17258	-.004937	-.013747
#2	-.433966	.5042713	.9402239	-1.05886	-.000904	-.006062
#3	-2.01305	.5254055	.9073020	-1.49760	-.001473	-.014479

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: ICSAB001 Acquired: 12/23/2024 14:08:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB001 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042221	.0162405	-.029529	F .0130058	-.006371	.0013206
Stddev	.0015429	.0018697	.000671	.0033935	.001406	.0003761
%RSD	36.54334	11.51262	2.273004	26.09247	22.07108	28.48045
#1	.0024482	.0146393	-.028756	.0166358	-.005125	.0008904
#2	.0052518	.0157868	-.029865	.0124688	-.006092	.0015871
#3	.0049665	.0182952	-.029966	.0099128	-.007895	.0014843

Elem	Li6707
Units	ppm
Avg	.0071303
Stddev	.0013110
%RSD	18.38596
#1	.0080136
#2	.0056240
#3	.0077532

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1923.948	24876.11	2110.058	1648.195	1649.141
Stddev	6.458	91.79	12.560	7.017	6.484
%RSD	.3356581	.3690069	.5952391	.4257640	.3931609
#1	1929.337	24923.63	2104.831	1651.352	1655.745
#2	1925.718	24934.41	2100.957	1653.079	1648.893
#3	1916.790	24770.30	2124.388	1640.154	1642.784

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: CCV001 Acquired: 12/23/2024 14:12:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.005187	4.860599	24.94315	5.001554	4.953275	403.6886	10.16410
Stddev	.022926	.006987	.07643	.029779	.003855	4.5583	.10684
%RSD	.4580396	.1437556	.3064262	.5953896	.0778284	1.129150	1.051169
#1	5.031459	4.858332	24.87374	5.000786	4.957560	404.7458	10.20522
#2	4.989231	4.855026	24.93064	4.972166	4.950089	398.6946	10.04280
#3	4.994872	4.868438	25.02506	5.031709	4.952175	407.6253	10.24426

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5155738	2.503588	410.4360	15.79103	2.526658	15.21268	413.3318
Stddev	.0069292	.006451	4.2911	.04763	.007530	.18976	4.6911
%RSD	1.343973	.2576859	1.045510	.3016516	.2980340	1.247365	1.134956
#1	.5137668	2.499709	411.0921	15.84344	2.520650	15.24028	414.4449
#2	.5097272	2.500018	405.8546	15.75037	2.524218	15.01064	408.1843
#3	.5232275	2.511035	414.3614	15.77927	2.535106	15.38713	417.3663

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.06966	408.3939	2.533485	1.305511	404.7655	2.533295	15.08649
Stddev	.15941	4.5774	.004572	.003742	4.2368	.009711	.11288
%RSD	1.057812	1.120819	.1804656	.2866187	1.046718	.3833256	.7481963
#1	15.09623	410.1387	2.532527	1.309499	406.7292	2.542490	15.19944
#2	14.89863	403.2008	2.529468	1.302078	399.9032	2.523140	15.08635
#3	15.21411	411.8423	2.538460	1.304955	407.6641	2.534256	14.97369

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	153.1964	5.043375	4.994342	4.916126	5.035171	4.936523	5.066555
Stddev	1.5133	.010945	.076278	.012741	.010884	.068101	.017358
%RSD	.9877856	.2170197	1.527284	.2591630	.2161681	1.379534	.3425956
#1	153.4537	5.038795	4.982612	4.920150	5.022996	4.919038	5.054688
#2	151.5711	5.035464	4.924609	4.901859	5.038558	4.878869	5.058500
#3	154.5646	5.055866	5.075806	4.926369	5.043960	5.011662	5.086477

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: CCV001 Acquired: 12/23/2024 14:12:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV001 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.055174	4.832406	5.113268
Stddev	.050991	.056893	.057730
%RSD	1.008689	1.177331	1.129021
#1	5.046159	4.825273	5.131326
#2	5.009291	4.779416	5.048668
#3	5.110071	4.892530	5.159810

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1757.337	23869.46	2053.477	1497.352	1533.736
Stddev	6.884	122.32	23.871	8.652	8.212
%RSD	.3917553	.5124659	1.162486	.5778446	.5354069
#1	1763.377	23730.69	2052.914	1489.283	1542.133
#2	1758.793	23916.07	2077.625	1496.284	1533.350
#3	1749.841	23961.63	2029.893	1506.488	1525.724

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: CCB001 Acquired: 12/23/2024 14:16:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028919	.0012033	.0036605	.0022437	-.000066	.0378423	-.000999
Stddev	.0053961	.0027323	.0023915	.0047833	.002072	.0462896	.001053
%RSD	186.5908	227.0678	65.33412	213.1937	3161.328	122.3222	105.3644
#1	.0029740	-.001499	.0047063	.0057142	-.001379	.0020892	-.001494
#2	.0082466	.003965	.0053509	.0042296	.002323	.0901283	.000210
#3	-.002545	.001144	.0009241	-.003213	-.001141	.0213095	-.001713

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000053	-.000054	.0018350	.0003506	-.000032	.0083635	.0330278
Stddev	.000092	.000051	.0068233	.0002243	.000240	.0097983	.0279130
%RSD	174.7336	93.98517	371.8346	63.97844	746.8645	117.1554	84.51380
#1	-.000076	.000001	.0017088	.0005087	.000216	.0098373	.0335555
#2	-.000131	-.000064	.0087205	.0000939	-.000264	-.002088	.0048546
#3	.000049	-.000099	-.004924	.0004494	-.000048	.017341	.0606732

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015270	.1197950	.0009785	.0008518	-.110412	.0081163	-.004226
Stddev	.0012417	.0279895	.0002351	.0010047	.490852	.0045776	.009262
%RSD	81.31457	23.36450	24.02574	117.9483	444.5638	56.39959	219.1728
#1	.0009140	.1062140	.0012217	.0015575	-.040363	.0109801	-.012809
#2	.0007110	.1519839	.0009612	.0012965	-.632526	.0105320	.005591
#3	.0029560	.1011870	.0007525	-.000298	.341652	.0028369	-.005459

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.497514	-.001293	.0126564	.0006421	-.001531	-.034101	.0016355
Stddev	.106479	.001161	.0002901	.0004300	.004945	.001152	.0013538
%RSD	21.40219	89.79830	2.292122	66.97069	323.0139	3.377829	82.77380
#1	-.401480	-.000179	.0129475	.0001496	.000647	-.033500	.0022749
#2	-.479040	-.001203	.0126544	.0008337	.001951	-.033374	.0025512
#3	-.612020	-.002495	.0123673	.0009430	-.007190	-.035429	.0000805

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: CCB001 Acquired: 12/23/2024 14:16:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB001 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.002682	.0003368	.0137388
Stddev	.002457	.0003157	.0049226
%RSD	91.62129	93.72576	35.83009
#1	-.000289	.0003768	.0141281
#2	-.002558	.0006306	.0184552
#3	-.005199	.0000031	.0086330

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2039.177	26411.95	2124.655	1747.132	1835.178
Stddev	6.115	166.23	26.214	6.429	4.564
%RSD	.2998608	.6293683	1.233788	.3680006	.2486739
#1	2036.919	26220.01	2114.761	1739.810	1836.437
#2	2046.100	26508.37	2104.828	1751.857	1838.981
#3	2034.513	26507.48	2154.376	1749.729	1830.117

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5033-04DLX2 Acquired: 12/23/2024 14:28:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK96 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0225509	.0015843	.0967704	.0108569	.0157128	27.98752	.4098541
Stddev	.0020264	.0048151	.0039473	.0046679	.0022530	.09991	.0010734
%RSD	8.985976	303.9283	4.079081	42.99461	14.33855	.3569716	.2619049
#1	.0202405	.0031102	.1002274	.0122511	.0145192	28.06200	.4107968
#2	.0233851	-.003809	.0976146	.0146689	.0183115	27.87399	.4086858
#3	.0240271	.005452	.0924693	.0056508	.0143077	28.02658	.4100797

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028621	.0015438	518.5643	.0452803	.0863384	.1030168	75.14285
Stddev	.0000973	.0000555	2.9479	.0008518	.0002785	.0143462	.33207
%RSD	3.399787	3.592972	.5684711	1.881137	.3225240	13.92607	.4419160
#1	.0029082	.0015262	520.8992	.0462589	.0862617	.0916435	75.42370
#2	.0027503	.0014993	515.2518	.0448764	.0861063	.0982728	74.77635
#3	.0029279	.0016060	519.5418	.0447056	.0866472	.1191341	75.22850

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.375428	85.12960	.0893618	.0022448	-1.45629	.0619682	.2544435
Stddev	.016630	.46639	.0008427	.0011614	.11314	.0031410	.0115419
%RSD	.4926813	.5478544	.9429967	51.73555	7.769249	5.068746	4.536140
#1	3.389644	84.94112	.0886647	.0009045	-1.58662	.0615064	.2653029
#2	3.357140	84.78695	.0891224	.0029542	-1.39894	.0590836	.2557049
#3	3.379499	85.66073	.0902983	.0028756	-1.38331	.0653145	.2423227

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.072825	2.918575	.0139432	.0045159	.8867764	4.970236	.0157657
Stddev	.173509	.006818	.0029766	.0004357	.0124083	.077247	.0008414
%RSD	5.646575	.2336007	21.34826	9.647462	1.399256	1.554197	5.336884
#1	3.074881	2.920230	.0135529	.0047274	.8898991	5.047162	.0150254
#2	2.898297	2.911081	.0170956	.0048054	.8731051	4.892672	.0166808
#3	3.245297	2.924412	.0111809	.0040148	.8973251	4.970874	.0155911

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5033-04DLX2 Acquired: 12/23/2024 14:28:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK96 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3927391	.3931578	.0727012
Stddev	.0069193	.0011924	.0019639
%RSD	1.761796	.3032739	2.701282
#1	.3963474	.3935260	.0706844
#2	.3847615	.3918248	.0728117
#3	.3971084	.3941227	.0746075

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2067.811	26933.92	2260.024	1771.166	1633.616
Stddev	5.926	207.25	26.236	16.888	4.490
%RSD	.2866022	.7694621	1.160865	.9534794	.2748446
#1	2061.296	26946.58	2232.075	1772.105	1628.439
#2	2072.883	26720.64	2284.121	1753.829	1635.967
#3	2069.254	27134.55	2263.877	1787.565	1636.443

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5033-12DLX2 Acquired: 12/23/2024 14:32:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKA2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0685572	-.007129	.3279795	.0247713	.0228690	40.27653	.5503356
Stddev	.0024173	.003066	.0027664	.0012352	.0015264	.18870	.0026067
%RSD	3.525982	43.00628	.8434687	4.986572	6.674709	.4685138	.4736558
#1	.0695690	-.008162	.3281848	.0246228	.0242659	40.13950	.5476945
#2	.0703042	-.009544	.3306375	.0260740	.0231014	40.49176	.5529065
#3	.0657984	-.003680	.3251161	.0236169	.0212397	40.19834	.5504058

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043265	.0034828	485.2011	.0718956	.0922161	4.972718	104.4086
Stddev	.0001382	.0000279	1.8880	.0007118	.0006207	.022594	.5301
%RSD	3.195107	.7998045	.3891209	.9900394	.6731489	.4543660	.5076793
#1	.0041753	.0034519	483.3545	.0710738	.0916216	4.946804	103.9214
#2	.0044464	.0034906	487.1280	.0723170	.0928602	4.988292	104.9730
#3	.0043578	.0035060	485.1209	.0722960	.0921665	4.983058	104.3315

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.632948	80.50361	.1082767	.0044035	-.833074	.0877204	1.614655
Stddev	.030613	.46196	.0013918	.0009811	.449729	.0045909	.026128
%RSD	.4615281	.5738351	1.285386	22.27928	53.98428	5.233588	1.618171
#1	6.613998	80.37664	.1071184	.0050511	-.313827	.0876500	1.643314
#2	6.668266	81.01578	.1078910	.0032747	-1.09928	.0923461	1.608490
#3	6.616582	80.11842	.1098206	.0048845	-1.08611	.0831651	1.592161

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.948969	3.591317	.0289138	.0034962	1.238999	5.290007	.0401240
Stddev	.059543	.014479	.0020456	.0003115	.004655	.019833	.0015784
%RSD	.8568560	.4031616	7.074859	8.909209	.3757200	.3749179	3.933899
#1	6.924454	3.575829	.0265733	.0037229	1.240827	5.278913	.0383538
#2	6.905597	3.604513	.0303599	.0031410	1.242463	5.278204	.0406335
#3	7.016856	3.593609	.0298083	.0036248	1.233708	5.312905	.0413848

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5033-12DLX2 Acquired: 12/23/2024 14:32:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKA2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4297152	.3487660	.0839816
Stddev	.0022779	.0007799	.0042315
%RSD	.5300873	.2236265	5.038620
#1	.4283641	.3481212	.0792208
#2	.4284364	.3485438	.0854097
#3	.4323451	.3496329	.0873143

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2175.155	28345.97	2378.325	1855.985	1655.674
Stddev	7.730	165.57	2.001	13.960	4.677
%RSD	.3553836	.5841216	.0841480	.7521438	.2824668
#1	2177.674	28210.65	2376.805	1844.238	1658.041
#2	2181.312	28296.65	2377.578	1852.300	1658.694
#3	2166.480	28530.59	2380.593	1871.418	1650.287

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5033-13DLX2 Acquired: 12/23/2024 14:36:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKA3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0170614	.0086901	.1110210	-.004688	.0114631	27.20762	.3449406
Stddev	.0026694	.0019361	.0032133	.001580	.0038816	.15917	.0030894
%RSD	15.64581	22.27964	2.894268	33.69923	33.86215	.5850138	.8956408
#1	.0154059	.0079394	.1106485	-.003979	.0117245	27.38523	.3484385
#2	.0156374	.0108891	.1080103	-.006498	.0074573	27.07789	.3437983
#3	.0201408	.0072417	.1144043	-.003587	.0152074	27.15972	.3425849

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030642	.0014239	593.5666	.0480336	.0741249	.1473819	64.21548
Stddev	.0002328	.0000959	2.3498	.0017720	.0006748	.0021805	.42670
%RSD	7.598406	6.737580	.3958820	3.689107	.9103957	1.479477	.6644747
#1	.0031586	.0013134	596.2646	.0462669	.0744958	.1457198	64.65024
#2	.0027990	.0014722	592.4673	.0498109	.0745328	.1465751	63.79733
#3	.0032350	.0014861	591.9679	.0480230	.0733459	.1498508	64.19889

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.188343	57.18041	.0708181	.0029453	-.609537	.0542027	.2813171
Stddev	.020175	.42621	.0008111	.0003769	.540099	.0064759	.0184335
%RSD	.6327814	.7453856	1.145347	12.79823	88.60807	11.94757	6.552569
#1	3.210695	57.67053	.0715681	.0027844	-1.17807	.0600855	.2873333
#2	3.182853	56.89670	.0709290	.0026755	-.54727	.0552590	.2959908
#3	3.171482	56.97400	.0699573	.0033760	-.10327	.0472636	.2606271

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.737038	1.798972	.0444419	.0030749	1.209467	4.737006	.0152007
Stddev	.111546	.012552	.0004256	.0002749	.006838	.034029	.0003777
%RSD	1.655719	.6977531	.9576425	8.940638	.5654096	.7183560	2.484581
#1	6.614106	1.798860	.0447570	.0032188	1.205273	4.750888	.0149306
#2	6.831798	1.811580	.0439578	.0032481	1.217359	4.698231	.0150392
#3	6.765209	1.786476	.0446110	.0027579	1.205770	4.761900	.0156323

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5033-13DLX2 Acquired: 12/23/2024 14:36:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKA3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1428217	.4526459	.0639584
Stddev	.0026572	.0010219	.0046635
%RSD	1.860523	.2257704	7.291411
#1	.1426804	.4537068	.0586079
#2	.1455468	.4525628	.0671598
#3	.1402379	.4516680	.0661076

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2059.757	26897.91	2240.570	1764.765	1624.485
Stddev	7.384	85.02	9.672	11.027	7.548
%RSD	.3584653	.3160739	.4316841	.6248388	.4646519
#1	2053.291	26888.06	2231.324	1759.168	1617.385
#2	2058.177	26818.24	2250.619	1757.659	1623.656
#3	2067.802	26987.42	2239.767	1777.468	1632.413

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5034-03DLX2 Acquired: 12/23/2024 14:40:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKB6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0913763	-.015451	.3342841	.0587225	.0241963	43.46176	1.023358
Stddev	.0044129	.003258	.0014848	.0014166	.0010895	.05516	.002245
%RSD	4.829389	21.08776	.4441741	2.412298	4.502941	.1269146	.2193443
#1	.0951338	-.015517	.3334173	.0573751	.0247594	43.52374	1.024415
#2	.0865168	-.018675	.3334365	.0601993	.0248892	43.41804	1.020780
#3	.0924781	-.012160	.3359986	.0585930	.0229405	43.44351	1.024879

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040685	.0059184	122.8441	.0679909	.0968196	.1552627	122.1707
Stddev	.0001572	.0000784	.0105	.0010387	.0014970	.0045443	.3028
%RSD	3.863679	1.325380	.0085198	1.527731	1.546144	2.926830	.2478104
#1	.0042388	.0059194	122.8333	.0680584	.0951032	.1506666	122.2351
#2	.0040380	.0058395	122.8449	.0689942	.0978549	.1553682	121.8409
#3	.0039289	.0059963	122.8542	.0669201	.0975006	.1597533	122.4361

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.17656	47.68016	.1092877	.0077402	-.815263	.0989152	.4203638
Stddev	.02675	.33326	.0007741	.0010907	.503830	.0058982	.0112897
%RSD	.1471471	.6989541	.7083317	14.09088	61.79970	5.962930	2.685695
#1	18.17552	47.37241	.1097622	.0080656	-.283585	.0923786	.4207347
#2	18.15035	47.63397	.1083944	.0086311	-1.28563	.1005271	.4314635
#3	18.20381	48.03411	.1097064	.0065239	-.87657	.1038400	.4088933

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.321977	3.506004	.0068564	.0058242	1.327975	6.685938	.0247767
Stddev	.091078	.020252	.0030702	.0006007	.012903	.039520	.0030377
%RSD	2.741690	.5776478	44.77896	10.31429	.9716606	.5910847	12.26046
#1	3.401966	3.485904	.0088213	.0062131	1.313717	6.715834	.0271278
#2	3.222851	3.505703	.0084294	.0061272	1.331362	6.641133	.0258556
#3	3.341113	3.526406	.0033184	.0051323	1.338848	6.700848	.0213468

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5034-03DLX2 Acquired: 12/23/2024 14:40:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKB6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2260622	.0028587	.0490084
Stddev	.0036854	.0002350	.0031843
%RSD	1.630257	8.220947	6.497533
#1	.2231597	.0028719	.0526043
#2	.2248183	.0026174	.0478753
#3	.2302086	.0030868	.0465455

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2364.691	30717.03	2526.814	2027.673	1759.972
Stddev	10.631	148.15	18.743	13.781	10.524
%RSD	.4495663	.4823135	.7417806	.6796378	.5979589
#1	2375.413	30636.43	2507.484	2020.151	1770.188
#2	2364.505	30626.65	2544.910	2019.290	1760.564
#3	2354.154	30888.01	2528.047	2043.578	1749.165

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5034-04DLX2 Acquired: 12/23/2024 14:44:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKB6D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0949371	-.015931	.3331671	.0575795	.0228122	44.14331	1.035129
Stddev	.0089612	.001231	.0001360	.0012995	.0037237	.16217	.001652
%RSD	9.439047	7.728332	.0408068	2.256861	16.32325	.3673652	.1596219
#1	.0979759	-.017185	.3330277	.0590540	.0205683	44.11291	1.033412
#2	.1019837	-.015882	.3332994	.0566013	.0271105	44.31853	1.036709
#3	.0848517	-.014725	.3331741	.0570832	.0207576	43.99849	1.035265

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040808	.0058577	123.6537	.0681909	.0970610	.1516273	123.5096
Stddev	.0000473	.0001092	.5156	.0008108	.0003779	.0024672	.5012
%RSD	1.157931	1.863801	.4169534	1.188999	.3893069	1.627123	.4058359
#1	.0040619	.0059216	123.5345	.0685584	.0974434	.1539265	123.3657
#2	.0041345	.0057316	124.2185	.0672614	.0966879	.1519346	124.0671
#3	.0040459	.0059199	123.2083	.0687528	.0970518	.1490210	123.0961

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.36340	48.11956	.1095808	.0068832	-1.09421	.0980086	.3964953
Stddev	.07764	.19554	.0010852	.0020425	.21900	.0076312	.0056487
%RSD	.4227876	.4063525	.9903154	29.67443	20.01432	7.786296	1.424666
#1	18.33302	48.13184	.1108326	.0061075	-.91241	.1027065	.3901238
#2	18.45163	48.30866	.1089058	.0091999	-1.03288	.0892034	.3984724
#3	18.30554	47.91817	.1090040	.0053421	-1.33733	.1021159	.4008897

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.283067	3.517788	.0123863	.0061984	1.324999	7.042350	.0223670
Stddev	.162526	.006957	.0014244	.0004509	.002103	.036295	.0029960
%RSD	4.950437	.1977727	11.49949	7.274362	.1587127	.5153772	13.39475
#1	3.095449	3.522064	.0140252	.0064955	1.326588	7.058704	.0192264
#2	3.373063	3.509760	.0114476	.0056796	1.322614	7.067589	.0226808
#3	3.380688	3.521540	.0116861	.0064202	1.325794	7.000755	.0251938

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5034-04DLX2 Acquired: 12/23/2024 14:44:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKB6D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2417732	.0026123	.0475375
Stddev	.0057566	.0002234	.0059253
%RSD	2.380992	8.553533	12.46451
#1	.2364273	.0024964	.0541340
#2	.2478673	.0024706	.0458126
#3	.2410249	.0028699	.0426661

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2333.127	30203.68	2475.487	2002.694	1738.367
Stddev	1.789	123.54	14.257	14.727	2.591
%RSD	.0766853	.4090364	.5759199	.7353577	.1490663
#1	2332.568	30260.58	2476.851	2000.128	1738.334
#2	2335.129	30061.94	2460.597	1989.419	1740.976
#3	2331.684	30288.52	2489.013	2018.536	1735.793

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5034-03LDLX10 Acquired: 12/23/2024 14:48:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKB6L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0149961	-.000043	.0676067	.0065681	.0048629	9.893973	.2300490
Stddev	.0032764	.005534	.0025452	.0004418	.0042014	.038846	.0020520
%RSD	21.84816	12738.54	3.764779	6.726772	86.39835	.3926185	.8919670
#1	.0182010	-.004666	.0694798	.0069865	.0042441	9.853286	.2289762
#2	.0116527	-.001552	.0686315	.0061061	.0010051	9.930669	.2287557
#3	.0151346	.006088	.0647088	.0066118	.0093394	9.897963	.2324149

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009116	.0010301	27.97978	.0144381	.0274655	.0372169	27.92818
Stddev	.0001665	.0000545	.15100	.0008136	.0001099	.0017663	.07924
%RSD	18.26792	5.293761	.5396816	5.635136	.4002674	4.746035	.2837120
#1	.0008676	.0009920	27.86609	.0148430	.0273580	.0377095	27.91811
#2	.0010957	.0010057	28.15112	.0135015	.0274608	.0386847	28.01197
#3	.0007715	.0010926	27.92214	.0149697	.0275778	.0352566	27.85446

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.172565	11.04984	.0212191	.0013163	-1.78878	.0261593	.0802138
Stddev	.014864	.05356	.0005015	.0010658	.94026	.0049255	.0245343
%RSD	.3562406	.4847085	2.363232	80.96868	52.56435	18.82870	30.58611
#1	4.158574	11.01241	.0210230	.0002057	-2.35016	.0209083	.1083949
#2	4.188171	11.02591	.0217889	.0023308	-2.31290	.0306769	.0686328
#3	4.170951	11.11119	.0208453	.0014125	-.70327	.0268927	.0636136

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1613107	.6891325	.0021971	.0026400	.2565638	1.558592	.0047072
Stddev	.0490577	.0032152	.0032372	.0008581	.0008291	.021355	.0020565
%RSD	30.41196	.4665583	147.3394	32.50401	.3231480	1.370124	43.68955
#1	.1321083	.6855681	.0013025	.0030743	.2562729	1.538846	.0062496
#2	.1338753	.6918140	.0057876	.0031941	.2559194	1.581255	.0023723
#3	.2179486	.6900155	-.000499	.0016516	.2574991	1.555674	.0054996

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5034-03LDLX10 Acquired: 12/23/2024 14:48:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKB6L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0523613	.0004488	.0119954
Stddev	.0048933	.0002448	.0043832
%RSD	9.345246	54.54919	36.54057
#1	.0477547	.0003661	.0167945
#2	.0574981	.0002560	.0082033
#3	.0518312	.0007243	.0109885

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2105.632	27527.67	2230.203	1819.669	1818.403
Stddev	4.053	150.28	20.751	9.697	.702
%RSD	.1925017	.5459381	.9304671	.5329261	.0386087
#1	2108.944	27356.52	2244.869	1809.965	1819.214
#2	2101.112	27638.06	2206.460	1829.360	1817.999
#3	2106.841	27588.44	2239.281	1819.681	1817.997

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5034-05DLX2 Acquired: 12/23/2024 14:52:07 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKB6S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1372985	.0300452	.3363727	.1308802	.0998256	43.30071	2.654654
Stddev	.0032025	.0032815	.0013230	.0013456	.0022400	.25665	.022931
%RSD	2.332517	10.92189	.3933003	1.028111	2.243900	.5927174	.8637860
#1	.1368991	.0280014	.3357195	.1293432	.0974113	43.03339	2.629715
#2	.1406820	.0338303	.3355034	.1318457	.1002293	43.54516	2.674828
#3	.1343145	.0283039	.3378952	.1314518	.1018363	43.32357	2.659418

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0464084	.0535060	117.4575	.2433279	.5617803	.3506155	118.0658
Stddev	.0004114	.0001079	.8207	.0003713	.0002330	.0142779	1.0316
%RSD	.8865114	.2015956	.6986936	.1525860	.0414668	4.072232	.8737130
#1	.0461189	.0534090	116.6026	.2433427	.5617639	.3355293	116.9921
#2	.0468793	.0534869	118.2390	.2436915	.5615560	.3524001	119.0492
#3	.0462270	.0536222	117.5309	.2429494	.5620210	.3639172	118.1562

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.85743	45.75406	.5891337	.0363584	-1.12716	.5190420	.7708917
Stddev	.16308	.41242	.0010258	.0017955	.60620	.0016054	.0168099
%RSD	.9132266	.9013944	.1741265	4.938249	53.78104	.3092986	2.180584
#1	17.68119	45.37819	.5882358	.0343482	-.54645	.5183683	.7749381
#2	18.00300	46.19524	.5902517	.0378028	-1.07905	.5178833	.7524279
#3	17.88808	45.68875	.5889136	.0369242	-1.75598	.5208745	.7853091

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.982016	3.349533	.0073533	.0051312	1.264832	6.439987	.0207771
Stddev	.139254	.012175	.0027534	.0006550	.003278	.059354	.0009292
%RSD	4.669789	.3634822	37.44523	12.76439	.2591323	.9216418	4.472337
#1	2.992003	3.344813	.0064339	.0047394	1.261679	6.393156	.0197048
#2	2.838038	3.340425	.0051771	.0047668	1.264596	6.506739	.0213458
#3	3.116008	3.363361	.0104488	.0058873	1.268221	6.420067	.0212807

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5034-05DLX2 Acquired: 12/23/2024 14:52:07 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKB6S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2204833	.0016975	.0477828
Stddev	.0014149	.0002463	.0042014
%RSD	.6417048	14.51058	8.792742
#1	.2190034	.0016601	.0509711
#2	.2218226	.0014721	.0430219
#3	.2206238	.0019604	.0493552

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2407.635	31295.87	2575.721	2070.106	1804.561
Stddev	5.629	84.39	23.854	4.136	1.954
%RSD	.2337832	.2696383	.9261060	.1997906	.1082876
#1	2414.114	31369.15	2599.520	2066.089	1806.816
#2	2404.848	31314.84	2551.812	2074.352	1803.505
#3	2403.944	31203.61	2575.831	2069.877	1803.362

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5034-13DLX5 Acquired: 12/23/2024 14:56:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010123	.0132804	.0363928	-.011459	.0060540	11.65384	.0884583
Stddev	.0031095	.0032516	.0005693	.001886	.0014995	.00853	.0013012
%RSD	307.1576	24.48444	1.564309	16.46206	24.76947	.0731920	1.470986
#1	.0044659	.0164240	.0366766	-.010913	.0073166	11.66163	.0889005
#2	.0001361	.0099305	.0367644	-.013559	.0064488	11.65516	.0894808
#3	-.001565	.0134867	.0357374	-.009907	.0043965	11.64473	.0869936

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014162	.0006404	206.5279	.0217319	.0460503	.0439594	35.80746
Stddev	.0001915	.0000756	.1720	.0009236	.0004696	.0033948	.10175
%RSD	13.52399	11.80793	.0832849	4.250079	1.019774	7.722677	.2841627
#1	.0015395	.0006656	206.6803	.0209357	.0462750	.0478104	35.91354
#2	.0011955	.0007001	206.3414	.0227445	.0455105	.0413995	35.71067
#3	.0015135	.0005554	206.5620	.0215154	.0463653	.0426683	35.79816

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.775902	42.89046	.0282005	.0011821	-1.03903	.0349418	.0868453
Stddev	.006662	.25181	.0002734	.0009719	.36711	.0089214	.0095669
%RSD	.3751336	.5871063	.9695299	82.22388	35.33248	25.53206	11.01608
#1	1.781462	43.16593	.0278921	.0018574	-.89959	.0411261	.0954074
#2	1.777728	42.83331	.0284133	.0016206	-1.45543	.0247148	.0886094
#3	1.768518	42.67213	.0282960	.0000681	-.76206	.0389846	.0765190

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.253466	1.042007	.0086369	.0042177	.3128784	1.931247	.0090324
Stddev	.032361	.004644	.0027850	.0003042	.0037205	.018620	.0031861
%RSD	2.581717	.4456312	32.24540	7.212130	1.189112	.9641593	35.27373
#1	1.274355	1.045666	.0069424	.0041903	.3129229	1.927248	.0093279
#2	1.216189	1.036783	.0071171	.0045346	.3091359	1.951542	.0057089
#3	1.269854	1.043571	.0118512	.0039281	.3165764	1.914952	.0120605

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5034-13DLX5 Acquired: 12/23/2024 14:56:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2888712	.1364957	.0213223
Stddev	.0012916	.0007288	.0029431
%RSD	.4471186	.5338963	13.80275
#1	.2873825	.1359803	.0179666
#2	.2896938	.1361774	.0234648
#3	.2895372	.1373294	.0225355

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2028.446	26731.64	2185.702	1764.496	1703.514
Stddev	5.075	111.36	8.893	4.085	5.682
%RSD	.2502150	.4165784	.4068705	.2314863	.3335386
#1	2022.866	26784.33	2187.923	1765.853	1696.974
#2	2032.788	26603.72	2175.910	1759.906	1707.236
#3	2029.684	26806.89	2193.275	1767.729	1706.331

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5233-03DLX2 Acquired: 12/23/2024 15:00:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28R7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0351538	-.014196	.0974547	.0227531	.0229033	47.06037	.6103552
Stddev	.0021589	.002497	.0022433	.0051715	.0035355	.07746	.0011042
%RSD	6.141236	17.59002	2.301923	22.72878	15.43660	.1646032	.1809163
#1	.0374440	-.015193	.0965043	.0200758	.0191184	46.98072	.6096537
#2	.0331560	-.016040	.0958430	.0287144	.0261208	47.06497	.6097838
#3	.0348613	-.011354	.1000168	.0194692	.0234706	47.13544	.6116280

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048829	.0023868	415.8688	.0925597	.0866079	.0756606	106.6873
Stddev	.0000716	.0000741	.7694	.0006481	.0005397	.0024746	.1847
%RSD	1.466898	3.102671	.1850142	.7002206	.6232003	3.270655	.1731590
#1	.0049346	.0023496	415.2704	.0921711	.0860804	.0777190	106.5229
#2	.0049129	.0024721	415.5992	.0933079	.0871591	.0763477	106.6518
#3	.0048011	.0023389	416.7367	.0922001	.0865843	.0729150	106.8872

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.222240	121.6019	.1439966	.0021310	-.853073	.1229990	.3191396
Stddev	.001993	.4314	.0010357	.0018619	.508568	.0014253	.0116131
%RSD	.0896828	.3547626	.7192675	87.37322	59.61601	1.158790	3.638866
#1	2.220658	121.3623	.1430083	.0034829	-.520183	.1232425	.3238618
#2	2.221583	121.3434	.1439075	.0000073	-.600556	.1214677	.3276477
#3	2.224478	122.0999	.1450740	.0029027	-1.43848	.1242869	.3059093

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.240331	2.063535	.0159257	.0138281	2.930084	5.902586	.0175140
Stddev	.144309	.006600	.0025175	.0007041	.024963	.035304	.0005562
%RSD	2.753818	.3198626	15.80782	5.091602	.8519465	.5981177	3.175882
#1	5.400873	2.064475	.0150227	.0131126	2.931244	5.932486	.0169131
#2	5.121398	2.056515	.0187701	.0138516	2.904562	5.863638	.0180109
#3	5.198721	2.069616	.0139841	.0145201	2.954447	5.911633	.0176181

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5233-03DLX2 Acquired: 12/23/2024 15:00:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28R7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6923031	.7079578	.0893270
Stddev	.0020918	.0016220	.0032964
%RSD	.3021545	.2291157	3.690312
#1	.6901359	.7090778	.0931240
#2	.6924629	.7060977	.0871967
#3	.6943104	.7086978	.0876604

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2088.431	27109.98	2282.484	1781.842	1680.724
Stddev	2.487	176.03	4.246	7.560	3.030
%RSD	.1190735	.6492999	.1860137	.4242556	.1802908
#1	2088.981	27282.24	2282.769	1787.347	1677.414
#2	2085.715	26930.42	2286.579	1773.222	1683.361
#3	2090.597	27117.27	2278.102	1784.956	1681.398

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5233-04DLX2 Acquired: 12/23/2024 15:04:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28R8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056047	.0195158	.1100900	-.010341	.0089329	43.94582	.4122944
Stddev	.0043340	.0066155	.0010979	.003297	.0023513	.24160	.0017016
%RSD	77.32799	33.89802	.9972562	31.88735	26.32202	.5497646	.4127075
#1	.0065148	.0126569	.1103657	-.006966	.0062305	43.81222	.4114635
#2	.0094115	.0200331	.1088805	-.010502	.0100568	43.80052	.4111680
#3	.0008879	.0258575	.1110237	-.013555	.0105114	44.22471	.4142518

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0067967	.0011224	655.4018	.0687353	.0588710	.0515692	45.05707
Stddev	.0001734	.0002160	3.3447	.0004517	.0004727	.0040847	.24932
%RSD	2.550703	19.24230	.5103283	.6572020	.8029381	7.920863	.5533431
#1	.0069344	.0013587	652.7483	.0692100	.0594141	.0476717	44.91770
#2	.0066021	.0010734	654.2983	.0686851	.0586474	.0512173	44.90860
#3	.0068538	.0009351	659.1588	.0683107	.0585517	.0558184	45.34491

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.505404	196.6350	.0439795	.0006567	-.365704	.0665073	.2304782
Stddev	.020615	1.6000	.0004704	.0011427	.879041	.0053382	.0074408
%RSD	.5880973	.8136674	1.069475	173.9916	240.3696	8.026429	3.228442
#1	3.484544	195.3089	.0445017	-.000418	-.987938	.0618658	.2234243
#2	3.505902	196.1840	.0438477	.001857	-.749088	.0653155	.2297568
#3	3.525765	198.4120	.0435891	.000530	.639914	.0723406	.2382534

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.373692	1.016693	.1248064	.0076763	11.76877	5.798905	.0195787
Stddev	.099289	.015236	.0021019	.0004406	.10342	.038671	.0021517
%RSD	4.182888	1.498590	1.684134	5.740054	.8787759	.6668732	10.99009
#1	2.380764	1.031808	.1261477	.0081607	11.83138	5.843020	.0194654
#2	2.271056	1.016932	.1223840	.0075689	11.82552	5.770860	.0174858
#3	2.469256	1.001338	.1258875	.0072993	11.64940	5.782834	.0217847

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5233-04DLX2 Acquired: 12/23/2024 15:04:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28R8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.214214	1.246210	.0581521
Stddev	.001358	.007135	.0037340
%RSD	.1118386	.5725425	6.421159
#1	1.213143	1.242834	.0555629
#2	1.215741	1.241391	.0624325
#3	1.213757	1.254407	.0564610

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2043.187	26655.92	2265.617	1745.639	1623.209
Stddev	10.082	132.94	9.300	1.352	10.561
%RSD	.4934668	.4987421	.4104796	.0774701	.6506520
#1	2033.188	26785.27	2267.795	1746.926	1612.571
#2	2043.021	26662.84	2273.635	1745.761	1623.364
#3	2053.351	26519.65	2255.422	1744.229	1633.692

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5233-06DLX2 Acquired: 12/23/2024 15:08:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28R9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0401652	-.009007	.2632828	.0186186	.0209520	41.45703	.3964863
Stddev	.0021924	.001530	.0058293	.0039111	.0041236	.24720	.0011839
%RSD	5.458450	16.98786	2.214097	21.00621	19.68098	.5962750	.2985882
#1	.0393786	-.008404	.2687902	.0229487	.0213686	41.74132	.3977813
#2	.0426424	-.010747	.2571776	.0175646	.0166360	41.29270	.3954597
#3	.0384747	-.007870	.2638805	.0153426	.0248515	41.33707	.3962178

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046504	.0022092	547.2288	.0971208	.0827129	.1386178	97.83961
Stddev	.0001275	.0000601	2.3987	.0003451	.0002201	.0090332	.50364
%RSD	2.741855	2.722002	.4383432	.3553404	.2660506	6.516587	.5147629
#1	.0045032	.0022611	549.9700	.0970724	.0829320	.1288387	98.40458
#2	.0047241	.0022231	546.2022	.0974876	.0827147	.1403650	97.43768
#3	.0047240	.0021433	545.5143	.0968024	.0824919	.1466498	97.67659

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.709253	165.6885	.1389636	.0014557	.0785736	.1320381	.3385397
Stddev	.012451	.8302	.0008425	.0006391	.3945080	.0029904	.0163770
%RSD	.4595830	.5010335	.6062715	43.90425	502.0875	2.264790	4.837528
#1	2.720426	166.6453	.1398494	.0010685	.5336311	.1354810	.3212085
#2	2.695830	165.2602	.1381723	.0021934	-.130829	.1300886	.3406534
#3	2.711504	165.1599	.1388691	.0011053	-.167082	.1305446	.3537571

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.817348	2.122965	.0297802	.0208368	9.323190	6.898028	.0334333
Stddev	.068126	.003149	.0025937	.0003083	.006563	.043728	.0014513
%RSD	1.414181	.1483254	8.709617	1.479466	.0703977	.6339171	4.340877
#1	4.741978	2.119457	.0316752	.0208507	9.316495	6.930905	.0349841
#2	4.874543	2.123894	.0268242	.0211380	9.323463	6.914778	.0332077
#3	4.835523	2.125546	.0308413	.0205219	9.329613	6.848401	.0321080

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5233-06DLX2 Acquired: 12/23/2024 15:08:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28R9 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8446866	1.594024	.0661601
Stddev	.0081405	.006781	.0020569
%RSD	.9637362	.4253856	3.109027
#1	.8537753	1.601254	.0639605
#2	.8380650	1.593010	.0680359
#3	.8422195	1.587807	.0664839

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2058.421	26867.61	2251.442	1763.581	1651.196
Stddev	5.138	91.86	16.578	10.856	3.375
%RSD	.2496226	.3418996	.7363222	.6155586	.2043974
#1	2053.588	26765.27	2235.849	1751.273	1648.040
#2	2063.818	26942.95	2249.624	1767.681	1654.754
#3	2057.857	26894.60	2268.854	1771.790	1650.795

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5233-17DLX5 Acquired: 12/23/2024 15:11:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28T1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0567554	-.175448	1.420011	.2329077	.0952291	9.578620	.1548260
Stddev	.0069248	.004915	.002689	.0041844	.0014851	.037760	.0009056
%RSD	12.20118	2.801418	.1893781	1.796584	1.559455	.3942124	.5848874
#1	.0589673	-.169928	1.417301	.2377306	.0939924	9.621468	.1556637
#2	.0623040	-.177067	1.422678	.2302442	.0948187	9.564187	.1538652
#3	.0489948	-.179350	1.420055	.2307483	.0968762	9.550205	.1549491

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080878	.0125558	139.6329	1.252607	.0518852	.0816227	444.3348
Stddev	.0000200	.0001977	1.1053	.002557	.0004777	.0027486	2.9354
%RSD	.2469386	1.574780	.7915996	.2041744	.9207532	3.367459	.6606318
#1	.0080854	.0123993	140.9009	1.255521	.0519855	.0830949	447.6945
#2	.0081089	.0127781	139.1244	1.251564	.0523049	.0784515	443.0435
#3	.0080691	.0124901	138.8733	1.250735	.0513653	.0833215	442.2664

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.76173	21.94341	.4654375	.0208030	-.145524	.2126545	4.019313
Stddev	.12542	.12392	.0012792	.0007550	.739531	.0074712	.036713
%RSD	.6346637	.5647324	.2748353	3.629131	508.1856	3.513331	.9134181
#1	19.90414	22.08163	.4650990	.0206001	-.307385	.2189590	4.053290
#2	19.71338	21.84223	.4668519	.0216388	.661532	.2044023	4.024280
#3	19.66769	21.90637	.4643617	.0201703	-.790717	.2146021	3.980369

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.038886	1.897070	-.009492	.0249231	1.213727	2.174855	.0526410
Stddev	.048650	.008894	.002002	.0006229	.004056	.005371	.0008626
%RSD	125.1118	.4688135	21.09308	2.499176	.3342054	.2469571	1.638724
#1	-.093796	1.887949	-.011718	.0242493	1.213801	2.179964	.0535327
#2	-.021701	1.905718	-.008923	.0250424	1.217746	2.175346	.0518107
#3	-.001159	1.897541	-.007837	.0254777	1.209634	2.169256	.0525797

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5233-17DLX5 Acquired: 12/23/2024 15:11:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28T1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9520485	-.297050	.0648387
Stddev	.0091588	.002222	.0072589
%RSD	.9620123	.7480221	11.19525
#1	.9613736	-.299615	.0729723
#2	.9430656	-.295712	.0625254
#3	.9517065	-.295823	.0590185

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2027.270	26399.04	2152.628	1739.994	1813.680
Stddev	6.486	176.47	15.407	14.737	6.646
%RSD	.3199178	.6684631	.7157472	.8469544	.3664451
#1	2034.564	26219.97	2136.513	1728.747	1819.608
#2	2022.153	26404.37	2154.157	1734.558	1806.495
#3	2025.092	26572.79	2167.214	1756.677	1814.936

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5233-19DLX2 Acquired: 12/23/2024 15:15:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28T3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0911012	-.212715	1.748930	.2790690	.1236056	38.66287	.5244850
Stddev	.0034162	.005470	.001466	.0077616	.0045475	.05899	.0003947
%RSD	3.749930	2.571625	.0838262	2.781239	3.679061	.1525635	.0752507
#1	.0942118	-.215482	1.747897	.2781405	.1203523	38.72653	.5248208
#2	.0874450	-.216249	1.748286	.2872530	.1216627	38.65201	.5245839
#3	.0916468	-.206414	1.750608	.2718134	.1288019	38.61007	.5240502

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0126768	.0197000	340.7263	1.623918	.0818104	.1928078	545.0382
Stddev	.0001039	.0000441	.6920	.006177	.0009151	.0053633	.4695
%RSD	.8194668	.2240231	.2030895	.3804072	1.118531	2.781679	.0861345
#1	.0126663	.0196643	340.5044	1.620557	.0808207	.1917668	545.4922
#2	.0127856	.0196864	341.5020	1.631047	.0819849	.1986152	544.5547
#3	.0125786	.0197493	340.1724	1.620149	.0826257	.1880413	545.0678

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.00630	55.39403	.6902394	.0242803	1.070197	.2875560	6.771159
Stddev	.04463	.14280	.0025340	.0020175	.373615	.0049934	.024847
%RSD	.2230696	.2577805	.3671207	8.309299	34.91083	1.736505	.3669584
#1	20.04883	55.45340	.6931223	.0252196	.726698	.2848057	6.798974
#2	20.01025	55.23113	.6883642	.0219644	1.467988	.2845424	6.763347
#3	19.95983	55.49756	.6892319	.0256570	1.015906	.2933199	6.751157

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.127317	3.346313	.0407908	.0370933	5.400600	5.898293	.0848035
Stddev	.096973	.012036	.0052567	.0005395	.009088	.008505	.0034370
%RSD	1.891302	.3596725	12.88695	1.454589	.1682830	.1441869	4.052929
#1	5.069425	3.339463	.0419911	.0366313	5.403878	5.889640	.0868396
#2	5.239270	3.339266	.0453435	.0369622	5.390327	5.898599	.0808353
#3	5.073256	3.360211	.0350377	.0376863	5.407594	5.906641	.0867358

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5233-19DLX2 Acquired: 12/23/2024 15:15:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28T3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.431042	.2168574	.0590920
Stddev	.005094	.0030334	.0067101
%RSD	.3559392	1.398780	11.35529
#1	1.429142	.2139412	.0569528
#2	1.436812	.2199957	.0537124
#3	1.427171	.2166351	.0666109

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2045.733	26662.05	2244.333	1744.728	1750.976
Stddev	2.716	75.27	6.475	9.032	2.907
%RSD	.1327635	.2823253	.2885037	.5176551	.1660228
#1	2043.073	26632.81	2237.360	1734.328	1747.625
#2	2045.626	26605.78	2250.156	1750.609	1752.815
#3	2048.502	26747.56	2245.481	1749.245	1752.488

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5037-12DLX2 Acquired: 12/23/2024 15:29:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK75 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0188634	-.004027	.0621240	.0110028	.0140137	32.96734	.3569716
Stddev	.0045072	.004283	.0029956	.0006734	.0024245	.14936	.0011917
%RSD	23.89380	106.3450	4.822045	6.119964	17.30069	.4530666	.3338253
#1	.0219915	.000731	.0655584	.0116305	.0147708	32.81831	.3559918
#2	.0136972	-.005238	.0600500	.0110863	.0113010	33.11704	.3582981
#3	.0209016	-.007574	.0607635	.0102916	.0159692	32.96667	.3566248

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0029983	.0016549	445.7581	.0533893	.0729311	.0574128	79.49569
Stddev	.0000763	.0000442	1.6411	.0008547	.0007677	.0026989	.36547
%RSD	2.544143	2.672831	.3681628	1.600870	1.052569	4.700849	.4597363
#1	.0029269	.0016875	445.3806	.0533571	.0734490	.0551589	79.24077
#2	.0029892	.0016726	447.5550	.0525511	.0720492	.0566759	79.91441
#3	.0030787	.0016045	444.3386	.0542596	.0732952	.0604036	79.33190

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.810866	62.58761	.0856332	.0011348	-1.25217	.0703549	.1990824
Stddev	.015849	.41985	.0002530	.0011219	.65355	.0088637	.0190997
%RSD	.8752423	.6708215	.2954394	98.85935	52.19353	12.59849	9.593880
#1	1.795790	62.44009	.0856709	.0023793	-1.31027	.0715657	.1878157
#2	1.827390	63.06131	.0858651	.0002009	-.57151	.0785509	.2211352
#3	1.809420	62.26142	.0853634	.0008244	-1.87473	.0609481	.1882964

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.996817	3.327001	-.001460	.0033984	.8066062	5.270851	.0163056
Stddev	.153326	.003574	.001273	.0005005	.0050569	.012923	.0003137
%RSD	7.678526	.1074213	87.15459	14.72604	.6269329	.2451791	1.923573
#1	1.941195	3.331031	-.002831	.0028619	.8026696	5.285772	.0166669
#2	1.879065	3.324215	-.000316	.0038526	.8048395	5.263555	.0161464
#3	2.170191	3.325757	-.001234	.0034807	.8123094	5.263225	.0161035

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5037-12DLX2 Acquired: 12/23/2024 15:29:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK75 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5153909	.2768400	.0761942
Stddev	.0064741	.0009085	.0033084
%RSD	1.256154	.3281815	4.342022
#1	.5111499	.2774161	.0746604
#2	.5228429	.2773113	.0739311
#3	.5121800	.2757927	.0799911

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2073.052	26909.98	2260.721	1764.538	1680.224
Stddev	2.252	108.60	5.139	5.933	2.589
%RSD	.1086115	.4035602	.2273342	.3362214	.1540618
#1	2070.456	27032.96	2265.251	1770.445	1677.240
#2	2074.470	26869.69	2255.136	1758.580	1681.861
#3	2074.230	26827.28	2261.776	1764.588	1681.572

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5037-20DLX2 Acquired: 12/23/2024 15:33:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKG7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0267489	.0094735	.1812382	.0017300	.0135034	24.79956	.1427899
Stddev	.0031958	.0009258	.0031869	.0032960	.0017096	.09950	.0005253
%RSD	11.94732	9.772530	1.758408	190.5232	12.66056	.4012008	.3678954
#1	.0304374	.0105322	.1782683	.0037626	.0149520	24.68803	.1422188
#2	.0248093	.0090721	.1808414	.0035002	.0116176	24.87921	.1432524
#3	.0249999	.0088161	.1846049	-.002073	.0139404	24.83143	.1428987

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022970	.0022401	629.2614	.0407779	.0801947	.2152272	68.91455
Stddev	.0000824	.0001476	2.4539	.0010261	.0004647	.0070688	.33670
%RSD	3.587439	6.587456	.3899581	2.516396	.5794489	3.284343	.4885813
#1	.0022589	.0022298	626.8470	.0417944	.0802358	.2233606	68.58337
#2	.0023915	.0023926	631.7529	.0397424	.0806374	.2117553	68.90375
#3	.0022405	.0020980	629.1843	.0407968	.0797108	.2105657	69.25652

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.521039	83.19612	.0776823	.0011469	-.853488	.0581245	.2661666
Stddev	.029205	.67269	.0006112	.0010381	.557059	.0071449	.0179917
%RSD	.5289706	.8085555	.7868213	90.51079	65.26850	12.29250	6.759543
#1	5.492620	82.66683	.0769896	.0001421	-1.32790	.0533965	.2839543
#2	5.550970	83.95310	.0781457	.0022153	-.99246	.0663438	.2665678
#3	5.519526	82.96842	.0779116	.0010834	-.24010	.0546331	.2479778

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.939867	5.052917	.0085980	.0040785	.6813906	4.834214	.0160406
Stddev	.197113	.004868	.0012847	.0008735	.0045213	.027897	.0012388
%RSD	5.003048	.0963440	14.94141	21.41649	.6635326	.5770769	7.723049
#1	3.761318	5.049653	.0078467	.0047103	.6846222	4.829907	.0169864
#2	3.906895	5.058513	.0078660	.0044434	.6762238	4.864014	.0146383
#3	4.151387	5.050587	.0100814	.0030817	.6833256	4.808721	.0164972

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5037-20DLX2 Acquired: 12/23/2024 15:33:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKG7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4875103	.4468275	.0552302
Stddev	.0043246	.0027574	.0044499
%RSD	.8870759	.6170986	8.056949
#1	.4898188	.4444417	.0563611
#2	.4825213	.4498463	.0503240
#3	.4901908	.4461944	.0590055

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2136.853	27872.23	2348.170	1828.121	1653.077
Stddev	6.381	35.59	14.523	3.807	1.995
%RSD	.2986205	.1276843	.6184620	.2082474	.1206765
#1	2130.102	27893.22	2358.502	1832.273	1651.388
#2	2142.786	27831.13	2331.566	1827.298	1655.278
#3	2137.670	27892.32	2354.443	1824.793	1652.565

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5028-01DLX2 Acquired: 12/23/2024 15:37:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK34 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0163755	.0226201	.4181767	-.006794	.0060534	16.36175	.2403742
Stddev	.0030667	.0038375	.0015784	.002093	.0043102	.02843	.0021464
%RSD	18.72738	16.96490	.3774384	30.80842	71.20254	.1737635	.8929566
#1	.0190132	.0268771	.4179704	-.007395	.0093765	16.37380	.2381453
#2	.0130105	.0215569	.4198481	-.008521	.0011832	16.32927	.2405498
#3	.0171027	.0194263	.4167117	-.004466	.0076005	16.38216	.2424274

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018859	.0022983	595.1550	.0353136	.0620658	.0708749	50.60425
Stddev	.0001097	.0000814	.6956	.0015574	.0004708	.0066744	.05483
%RSD	5.817574	3.540576	.1168833	4.410080	.7585565	9.417151	.1083409
#1	.0017652	.0023370	595.5423	.0360766	.0616329	.0672553	50.57857
#2	.0019797	.0023531	594.3519	.0363423	.0625670	.0785772	50.56697
#3	.0019128	.0022048	595.5708	.0335218	.0619976	.0667922	50.66720

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.021823	285.0778	.0436538	.0024640	-.936904	.0501545	.4580016
Stddev	.010651	.3151	.0001932	.0002753	.028913	.0047297	.0038952
%RSD	.2648198	.1105363	.4425496	11.17167	3.086019	9.430159	.8504668
#1	4.015845	285.3390	.0436047	.0027800	-.968545	.0552391	.4538488
#2	4.034120	284.7278	.0438668	.0023355	-.911858	.0458861	.4585820
#3	4.015504	285.1665	.0434898	.0022764	-.930308	.0493383	.4615740

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.058842	3.106323	.0436722	.0039673	11.85081	3.745284	.0188528
Stddev	.047472	.010924	.0011926	.0002920	.01824	.027397	.0017354
%RSD	1.169599	.3516758	2.730847	7.359130	.1539159	.7315040	9.205272
#1	4.031274	3.116022	.0424835	.0042243	11.84078	3.776916	.0182137
#2	4.031595	3.108459	.0448687	.0036499	11.87187	3.729049	.0175276
#3	4.113658	3.094489	.0436642	.0040278	11.83979	3.729887	.0208172

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5028-01DLX2 Acquired: 12/23/2024 15:37:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK34 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2234811	.2971427	.0277512
Stddev	.0024395	.0017897	.0009298
%RSD	1.091594	.6022985	3.350512
#1	.2241748	.2989757	.0276582
#2	.2207698	.2970526	.0268714
#3	.2254985	.2953997	.0287241

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1996.187	26142.28	2201.655	1700.952	1612.197
Stddev	5.326	254.44	19.497	14.569	6.505
%RSD	.2668310	.9733037	.8855615	.8565311	.4034971
#1	2001.350	25986.82	2180.076	1689.490	1618.961
#2	1990.711	26004.10	2206.883	1696.018	1605.985
#3	1996.499	26435.92	2218.004	1717.347	1611.646

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5028-02DLX2 Acquired: 12/23/2024 15:41:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK35 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0468603	.0009497	.8856487	-.000983	.0150330	29.26238	.5068133
Stddev	.0008729	.0036231	.0025963	.002847	.0030816	.28448	.0052301
%RSD	1.862684	381.5199	.2931467	289.6401	20.49906	.9721581	1.031953
#1	.0478564	-.002907	.8870849	-.002358	.0122802	28.95443	.5014601
#2	.0464955	.001473	.8872096	.002290	.0144566	29.51536	.5119109
#3	.0462290	.004283	.8826517	-.002881	.0183621	29.31735	.5070690

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031350	.0042886	576.3378	.0556746	.0758277	.1380335	77.07323
Stddev	.0001570	.0000899	4.7398	.0002874	.0003059	.0149074	.87395
%RSD	5.007600	2.096609	.8223995	.5161239	.4034302	10.79988	1.133927
#1	.0029582	.0043710	570.9930	.0560056	.0755475	.1232225	76.19925
#2	.0032581	.0043022	580.0302	.0554893	.0757816	.1530356	77.94716
#3	.0031887	.0041927	577.9902	.0555290	.0761541	.1378423	77.07328

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.110212	244.1238	.0746664	.0039481	-.305440	.0758214	.8351000
Stddev	.065317	2.3215	.0004474	.0006443	.650099	.0074776	.0212498
%RSD	1.068987	.9509685	.5991563	16.31944	212.8406	9.862073	2.544585
#1	6.045155	241.6793	.0743841	.0040254	-.943778	.0813815	.8345621
#2	6.175787	246.2988	.0744329	.0045503	-.328355	.0673205	.8566136
#3	6.109694	244.3932	.0751822	.0032687	.355815	.0787622	.8141242

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.363118	3.430597	.0299642	.0088773	7.825870	4.741508	.0334921
Stddev	.141086	.006014	.0034771	.0001646	.012887	.007060	.0043907
%RSD	3.233604	.1753025	11.60415	1.853813	.1646759	.1489076	13.10964
#1	4.234551	3.435233	.0259553	.0090638	7.828313	4.736328	.0334683
#2	4.340753	3.432757	.0321608	.0087525	7.837361	4.749550	.0291134
#3	4.514051	3.423802	.0317765	.0088157	7.811936	4.738646	.0378947

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5028-02DLX2 Acquired: 12/23/2024 15:41:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK35 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3528922	.3129170	.0477139
Stddev	.0058608	.0020658	.0017898
%RSD	1.660789	.6601824	3.751057
#1	.3461768	.3105422	.0494755
#2	.3569759	.3139096	.0458972
#3	.3555238	.3142992	.0477692

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2049.530	26903.08	2252.208	1761.060	1619.822
Stddev	4.764	76.72	9.873	.659	3.715
%RSD	.2324620	.2851669	.4383497	.0374128	.2293766
#1	2054.385	26989.81	2262.507	1761.742	1623.909
#2	2049.344	26875.36	2242.826	1760.428	1616.647
#3	2044.862	26844.07	2251.290	1761.009	1618.912

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5009-21DLX2 Acquired: 12/23/2024 15:45:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJZ3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0310893	.0126268	.1105465	-.001562	.0086559	21.36778	.3013883
Stddev	.0023501	.0024541	.0023861	.000658	.0032944	.18578	.0031276
%RSD	7.559181	19.43602	2.158446	42.13528	38.06002	.8694422	1.037745
#1	.0327213	.0104881	.1130234	-.002203	.0121556	21.37010	.3018086
#2	.0283957	.0120859	.1082630	-.000887	.0081972	21.18085	.2980717
#3	.0321509	.0153062	.1103532	-.001597	.0056148	21.55239	.3042845

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023535	.0012433	705.2887	.0366832	.0751149	.1029151	62.69448
Stddev	.0000265	.0001656	6.7271	.0007661	.0005477	.0082124	.57114
%RSD	1.126138	13.31689	.9538131	2.088346	.7291705	7.979751	.9109966
#1	.0023838	.0013846	705.4105	.0369968	.0757319	.0946580	62.96031
#2	.0023424	.0010611	698.5014	.0372427	.0749267	.1030053	62.03887
#3	.0023344	.0012842	711.9541	.0358101	.0746861	.1110820	63.08426

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.183012	92.43127	.0532260	.0042685	-1.03467	.0574682	.2689804
Stddev	.067017	1.05816	.0003406	.0005343	.39304	.0052067	.0135159
%RSD	1.083887	1.144808	.6399547	12.51823	37.98642	9.060220	5.024860
#1	6.187272	92.67607	.0536191	.0048106	-.99210	.0604376	.2539500
#2	6.113967	91.27217	.0530198	.0042528	-.66466	.0514561	.2728561
#3	6.247798	93.34558	.0530390	.0037422	-1.44726	.0605108	.2801350

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.395309	3.541662	.0253063	.0039375	2.426365	5.491851	.0163962
Stddev	.026654	.006051	.0010752	.0002398	.012521	.057148	.0018291
%RSD	.6064168	.1708521	4.248641	6.090600	.5160221	1.040600	11.15559
#1	4.366551	3.538583	.0240851	.0036610	2.430326	5.534987	.0180429
#2	4.419183	3.548633	.0257232	.0040893	2.412343	5.427035	.0167182
#3	4.400193	3.537770	.0261106	.0040621	2.436426	5.513530	.0144275

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5009-21DLX2 Acquired: 12/23/2024 15:45:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJZ3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3423601	.5687549	.0446350
Stddev	.0031724	.0043384	.0028208
%RSD	.9266406	.7627919	6.319644
#1	.3428046	.5677076	.0475171
#2	.3389888	.5650360	.0418798
#3	.3452868	.5735211	.0445080

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2102.691	27479.27	2293.514	1790.876	1644.412
Stddev	1.176	167.77	22.062	10.262	2.893
%RSD	.0559499	.6105182	.9619311	.5730008	.1759165
#1	2103.208	27286.61	2276.678	1780.986	1646.584
#2	2103.520	27593.08	2318.489	1801.473	1641.128
#3	2101.344	27558.13	2285.374	1790.167	1645.523

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4984-08DLX5 Acquired: 12/23/2024 15:49:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJT5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004934	.0231649	.0946688	-.025313	.0026818	3.392508	.0334925
Stddev	.004728	.0040558	.0007924	.001597	.0016974	.036293	.0004745
%RSD	95.83581	17.50856	.8369832	6.310103	63.29431	1.069789	1.416592
#1	-.007796	.0266570	.0943428	-.023471	.0009908	3.379910	.0329918
#2	.000524	.0241213	.0955722	-.026322	.0043856	3.433422	.0335500
#3	-.007530	.0187163	.0940914	-.026145	.0026688	3.364194	.0339355

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005715	.0017217	351.3308	.0110466	.0415777	.0158378	19.94774
Stddev	.0000794	.0000971	1.0137	.0001583	.0008655	.0029046	.04502
%RSD	13.88542	5.637897	.2885245	1.433396	2.081647	18.33981	.2256688
#1	.0005368	.0017737	350.4365	.0111633	.0410641	.0191918	19.99912
#2	.0006623	.0016097	352.4319	.0111102	.0410920	.0141434	19.92882
#3	.0005154	.0017817	351.1239	.0108663	.0425769	.0141784	19.91527

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.139994	201.9476	.0144007	-.000318	-1.07556	.0170438	.3597119
Stddev	.006967	.8276	.0004961	.001266	.74918	.0070971	.0187595
%RSD	.3255789	.4098286	3.444652	398.4051	69.65513	41.64012	5.215141
#1	2.136269	202.2441	.0141631	-.000461	-.98607	.0208170	.3382365
#2	2.148032	202.5861	.0149709	.001014	-1.86546	.0088572	.3679951
#3	2.135681	201.0125	.0140681	-.001505	-.37514	.0214573	.3729040

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.110425	.5803411	.0170862	.0032693	3.737683	1.639552	.0067370
Stddev	.145241	.0062533	.0006441	.0003656	.032497	.009381	.0017241
%RSD	13.07973	1.077522	3.769684	11.18366	.8694382	.5721584	25.59164
#1	.957261	.5732729	.0169329	.0036190	3.705625	1.630879	.0047546
#2	1.127844	.5851536	.0177931	.0028896	3.736822	1.649509	.0078865
#3	1.246172	.5825967	.0165325	.0032994	3.770602	1.638269	.0075700

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4984-08DLX5 Acquired: 12/23/2024 15:49:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJT5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0393104	.0940777	.0112296
Stddev	.0019203	.0004765	.0017569
%RSD	4.884967	.5064540	15.64483
#1	.0373880	.0935322	.0114577
#2	.0412286	.0944124	.0093699
#3	.0393147	.0942885	.0128614

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1962.657	25740.75	2136.820	1682.692	1663.240
Stddev	15.363	87.30	19.484	9.842	12.681
%RSD	.7827578	.3391393	.9118135	.5849181	.7624233
#1	1979.414	25664.88	2149.641	1674.893	1677.624
#2	1949.238	25721.21	2114.399	1679.432	1653.676
#3	1959.317	25836.16	2146.420	1693.751	1658.421

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4983-20DLX5 Acquired: 12/23/2024 15:53:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJH0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005135	.0312685	.0422828	-.030817	.0014044	4.067683	.0481763
Stddev	.001956	.0046109	.0007382	.002536	.0042751	.013986	.0023402
%RSD	38.08330	14.74631	1.745814	8.228557	304.4156	.3438391	4.857589
#1	-.004524	.0259926	.0422413	-.030477	.0063251	4.083668	.0490037
#2	-.007323	.0332862	.0430409	-.033506	-.001397	4.061684	.0455347
#3	-.003558	.0345266	.0415663	-.028469	-.000715	4.057698	.0499903

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004490	.0006282	654.1922	.0078547	.0485784	.0321812	15.58177
Stddev	.0001616	.0000550	.9367	.0003466	.0001804	.0025583	.05397
%RSD	35.99084	8.749609	.1431807	4.412664	.3714398	7.949646	.3463869
#1	.0003949	.0006462	655.2725	.0074716	.0487620	.0297716	15.63890
#2	.0006307	.0005665	653.6069	.0079459	.0484013	.0348659	15.53164
#3	.0003214	.0006720	653.6971	.0081465	.0485718	.0319061	15.57475

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.952326	43.51719	.0131892	-.000461	-.965114	.0119867	.1031453
Stddev	.007419	.08663	.0002793	.000777	.577729	.0062541	.0013329
%RSD	.2512962	.1990813	2.117350	168.4451	59.86125	52.17527	1.292225
#1	2.949557	43.54618	.0128709	-.001065	-.970746	.0056472	.1036453
#2	2.946690	43.41977	.0133931	-.000733	-1.54001	.0121611	.1041558
#3	2.960731	43.58561	.0133035	.000415	-.38459	.0181518	.1016347

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3624774	.6679291	.0076609	.0025518	.8024161	1.898233	.0084816
Stddev	.0244771	.0036219	.0017353	.0003469	.0008384	.012595	.0005433
%RSD	6.752715	.5422535	22.65145	13.59217	.1044900	.6635205	6.405015
#1	.3883974	.6702652	.0067384	.0029081	.8018462	1.912684	.0087176
#2	.3397583	.6697652	.0096626	.0025322	.8033788	1.892429	.0078603
#3	.3592763	.6637569	.0065817	.0022152	.8020232	1.889587	.0088670

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4983-20DLX5 Acquired: 12/23/2024 15:53:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJH0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0495131	.4773864	.0099081
Stddev	.0053356	.0013887	.0042008
%RSD	10.77609	.2908990	42.39708
#1	.0483483	.4786581	.0141706
#2	.0448562	.4759046	.0097820
#3	.0553349	.4775966	.0057719

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1968.607	25749.77	2140.505	1675.822	1658.423
Stddev	3.393	74.80	14.102	9.853	.776
%RSD	.1723413	.2904823	.6588053	.5879222	.0467787
#1	1964.733	25727.50	2124.432	1686.148	1657.541
#2	1970.040	25688.63	2146.287	1666.524	1659.001
#3	1971.048	25833.17	2150.798	1674.794	1658.727

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: CCV002 Acquired: 12/23/2024 15:57:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV002 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.061502	4.899265	24.97157	4.987082	4.940864	405.5304	10.23573
Stddev	.025083	.024881	.17605	.038422	.029250	3.4500	.06766
%RSD	.4955560	.5078509	.7049918	.7704388	.5919927	.8507463	.6610630
#1	5.039703	4.870760	24.76846	4.943029	4.907875	401.5573	10.15768
#2	5.055888	4.910412	25.06577	5.004554	4.951086	407.7693	10.27792
#3	5.088916	4.916624	25.08047	5.013664	4.963630	407.2646	10.27158

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5105178	2.502524	410.2599	15.60108	2.510902	15.25956	416.1910
Stddev	.0041844	.015879	2.5778	.00562	.017865	.10823	3.0072
%RSD	.8196326	.6345308	.6283296	.0360546	.7114905	.7092520	.7225453
#1	.5070475	2.484230	407.2911	15.60163	2.490338	15.13483	412.7187
#2	.5151644	2.510604	411.5580	15.60642	2.522595	15.31529	417.9389
#3	.5093416	2.512738	411.9306	15.59521	2.519773	15.32857	417.9155

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.19655	411.6973	2.537109	1.305591	412.0913	2.559870	15.31654
Stddev	.12310	3.3915	.014989	.003268	.6536	.033993	.13515
%RSD	.8100589	.8237775	.5907773	.2503405	.1586165	1.327930	.8823784
#1	15.05810	407.9145	2.519810	1.303786	411.3460	2.521181	15.20609
#2	15.29366	414.4661	2.545285	1.309364	412.3602	2.573476	15.27627
#3	15.23789	412.7113	2.546232	1.303623	412.5675	2.584952	15.46724

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	153.7266	5.046465	4.888562	4.927000	5.010294	4.813658	5.051284
Stddev	1.4771	.041757	.051462	.032940	.041263	.046623	.030427
%RSD	.9608886	.8274552	1.052708	.6685578	.8235653	.9685543	.6023690
#1	152.0270	4.998291	4.836405	4.889950	4.962658	4.775421	5.016192
#2	154.7008	5.068784	4.939300	4.938076	5.033237	4.865597	5.067323
#3	154.4520	5.072320	4.889981	4.952975	5.034987	4.799957	5.070336

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: CCV002 Acquired: 12/23/2024 15:57:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV002 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.019106	4.788957	5.134688
Stddev	.032055	.031375	.034863
%RSD	.6386611	.6551428	.6789654
#1	4.982170	4.752747	5.094432
#2	5.039661	4.808063	5.154604
#3	5.035487	4.806061	5.155026

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1764.042	24166.14	2093.303	1511.083	1541.178
Stddev	8.956	100.61	9.815	5.816	8.250
%RSD	.5076974	.4163227	.4688556	.3848831	.5353081
#1	1774.342	24128.66	2103.215	1515.747	1550.538
#2	1759.696	24280.11	2083.589	1512.934	1534.962
#3	1758.088	24089.65	2093.103	1504.566	1538.035

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: CCB002 Acquired: 12/23/2024 16:10:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB002 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005214	-.002804	-.001236	.0060497	-.000822	.0317602
Stddev	.000649	.001197	.001660	.0022278	.002024	.0167543
%RSD	12.44632	42.67198	134.3278	36.82538	246.0323	52.75258
#1	-.005498	-.002068	.000368	.0036139	-.003046	.0399975
#2	-.005672	-.004185	-.002947	.0065510	.000911	.0124818
#3	-.004471	-.002160	-.001128	.0079841	-.000332	.0428013

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001339	.0001989	.0001321	.0178254	-.001020	.0001203
Stddev	.000135	.0001218	.0000411	.0113203	.001149	.0000819
%RSD	10.08905	61.22026	31.11125	63.50642	112.6440	68.06381
#1	-.001352	.0001129	.0000973	.0198928	-.000381	.0002012
#2	-.001467	.0003382	.0001775	.0279695	-.000333	.0000375
#3	-.001198	.0001456	.0001217	.0056139	-.002346	.0001222

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002941	.0262826	.0022393	.0647686	.0006934	.0007293
Stddev	.008780	.0646474	.0011820	.0359613	.0005680	.0005379
%RSD	298.4879	245.9700	52.78194	55.52276	81.92185	73.75392
#1	-.009071	-.008160	.0016978	.1055329	.0012498	.0006121
#2	-.006870	-.013851	.0035950	.0375365	.0001144	.0002597
#3	.007117	.100859	.0014252	.0512364	.0007158	.0013162

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.861025	.0024722	.0035927	-.095416	-.000577	-.003280
Stddev	.870854	.0098272	.0103203	.132710	.002718	.003127
%RSD	101.1416	397.5135	287.2564	139.0853	471.1086	95.35714
#1	-1.18358	-.004513	.0123356	-.016407	-.001425	-.006045
#2	-1.52458	.013709	-.007792	-.248632	.002464	.000114
#3	.12509	-.001780	.006234	-.021210	-.002770	-.003908

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: CCB002 Acquired: 12/23/2024 16:10:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB002 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006665	-.006644	-.075099	.0002908	-.002364	.0002221
Stddev	.0002604	.007360	.000301	.0002049	.000720	.0001038
%RSD	39.07541	110.7791	.4013442	70.45988	30.47799	46.70800
#1	.0009448	-.000775	-.074779	.0003066	-.003074	.0002659
#2	.0006260	-.004255	-.075377	.0004873	-.001633	.0002968
#3	.0004287	-.014902	-.075142	.0000784	-.002384	.0001037

Elem	Li6707
Units	ppm
Avg	F .0150740
Stddev	.0008735
%RSD	5.794380
#1	.0142623
#2	.0159982
#3	.0149616

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2028.530	26477.48	2132.566	1743.862	1837.385
Stddev	.217	130.99	7.592	9.920	2.984
%RSD	.0106911	.4947061	.3559882	.5688783	.1624095
#1	2028.639	26485.50	2137.420	1748.676	1839.874
#2	2028.670	26604.27	2136.461	1750.456	1834.077
#3	2028.280	26342.66	2123.818	1732.453	1838.203

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5039-07DLX2 Acquired: 12/23/2024 16:14:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0284620	.0042006	.0996210	.0027436	.0136285	21.85918	.3232399
Stddev	.0032811	.0045708	.0009909	.0028909	.0021512	.07911	.0018717
%RSD	11.52788	108.8145	.9946495	105.3656	15.78443	.3619152	.5790460
#1	.0267303	.0012868	.0984968	-.000324	.0125104	21.82864	.3253638
#2	.0322461	.0018463	.1003675	.005417	.0122667	21.94901	.3225247
#3	.0264095	.0094686	.0999987	.003138	.0161085	21.79990	.3218313

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024458	.0016976	483.1678	.0355096	.0699030	.1456843	71.01772
Stddev	.0001159	.0001744	.9245	.0013996	.0001786	.0063226	.26476
%RSD	4.739154	10.27115	.1913429	3.941324	.2554999	4.339944	.3728110
#1	.0025612	.0015150	483.1808	.0338990	.0701004	.1444618	70.71270
#2	.0024468	.0018624	484.0858	.0364301	.0698560	.1525290	71.15237
#3	.0023294	.0017154	482.2369	.0361995	.0697525	.1400623	71.18810

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.139241	99.98588	.0585420	.0027369	-.749720	.0623934	.2163983
Stddev	.018898	.67862	.0007635	.0009630	.457078	.0028459	.0048901
%RSD	.4565454	.6787192	1.304238	35.18416	60.96654	4.561162	2.259782
#1	4.120033	99.23654	.0588113	.0016635	-.227953	.0614649	.2111857
#2	4.157812	100.5590	.0576803	.0035248	-.941756	.0601277	.2208848
#3	4.139880	100.1621	.0591343	.0030225	-1.07945	.0655875	.2171242

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.359786	3.831682	.0147508	.0035776	1.002381	5.361440	.0151970
Stddev	.147253	.010958	.0019807	.0001464	.002208	.032980	.0007239
%RSD	4.382805	.2859720	13.42803	4.091326	.2202551	.6151312	4.763717
#1	3.289083	3.825213	.0146076	.0034399	1.004108	5.396509	.0143709
#2	3.261218	3.825500	.0167992	.0035615	1.003143	5.356764	.0157210
#3	3.529056	3.844334	.0128455	.0037313	.999894	5.331048	.0154990

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5039-07DLX2 Acquired: 12/23/2024 16:14:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6829972	.3930667	.0453415
Stddev	.0122013	.0012200	.0012268
%RSD	1.786432	.3103769	2.705622
#1	.6964332	.3939612	.0445812
#2	.6799500	.3935619	.0446866
#3	.6726082	.3916770	.0467568

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2192.107	28755.36	2398.793	1879.894	1708.314
Stddev	5.398	154.95	14.867	13.991	2.768
%RSD	.2462604	.5388610	.6197791	.7442360	.1620279
#1	2185.881	28907.79	2382.080	1885.638	1705.120
#2	2194.965	28598.01	2403.754	1863.946	1709.810
#3	2195.476	28760.27	2410.545	1890.100	1710.012

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5039-08DLX2 Acquired: 12/23/2024 16:18:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ7D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0322509	.0032954	.0987396	.0042298	.0113530	22.16409	.3282991
Stddev	.0039795	.0005150	.0019602	.0011560	.0056097	.07545	.0022535
%RSD	12.33915	15.62672	1.985242	27.32997	49.41141	.3404272	.6864026
#1	.0361771	.0029609	.1008625	.0052661	.0177827	22.24067	.3290748
#2	.0323554	.0030369	.0969981	.0044402	.0074580	22.08982	.3257603
#3	.0282202	.0038884	.0983581	.0029830	.0088182	22.16178	.3300623

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024883	.0016442	489.7892	.0357826	.0719836	.1391883	72.15277
Stddev	.0000878	.0000448	2.6685	.0001703	.0001441	.0012188	.32644
%RSD	3.528450	2.727889	.5448302	.4759151	.2002016	.8756616	.4524299
#1	.0025541	.0015940	492.4362	.0358272	.0718189	.1403478	72.41282
#2	.0025222	.0016585	489.8319	.0355944	.0720865	.1379178	72.25906
#3	.0023886	.0016802	487.0997	.0359261	.0720455	.1392994	71.78643

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.209847	101.8578	.0592873	.0023248	-1.00241	.0589461	.2349280
Stddev	.024214	.5308	.0010220	.0000955	.66207	.0047271	.0097593
%RSD	.5751832	.5211129	1.723880	4.107497	66.04764	8.019303	4.154175
#1	4.234407	102.1663	.0581301	.0022278	-.42257	.0595786	.2298732
#2	4.209140	102.1621	.0596652	.0023279	-1.72381	.0539345	.2461779
#3	4.185994	101.2449	.0600666	.0024187	-.86085	.0633250	.2287329

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.477463	3.913771	.0165987	.0030531	1.018662	5.405328	.0138068
Stddev	.076988	.009243	.0051727	.0001513	.001300	.077188	.0009397
%RSD	2.213916	.2361590	31.16307	4.955342	.1276240	1.427992	6.806020
#1	3.564185	3.904536	.0222112	.0031951	1.019942	5.475551	.0127929
#2	3.417172	3.913754	.0120230	.0030702	1.017343	5.417750	.0146485
#3	3.451033	3.923021	.0155618	.0028940	1.018700	5.322683	.0139791

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5039-08DLX2 Acquired: 12/23/2024 16:18:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ7D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6849268	.3979761	.0466362
Stddev	.0050469	.0031962	.0051408
%RSD	.7368470	.8031038	11.02320
#1	.6903775	.4011389	.0437016
#2	.6804159	.3980418	.0525722
#3	.6839868	.3947476	.0436349

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2153.610	28312.61	2366.731	1849.690	1673.916
Stddev	2.788	37.12	26.451	7.457	4.996
%RSD	.1294769	.1311100	1.117617	.4031278	.2984446
#1	2156.439	28305.24	2343.241	1845.258	1678.289
#2	2153.528	28352.87	2361.570	1845.512	1674.988
#3	2150.864	28279.74	2395.382	1858.298	1668.472

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5039-07LDLX10 Acquired: 12/23/2024 16:21:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ7L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004573	.0179097	.0252990	-.016129	.0039052	4.776188	.0681277
Stddev	.001619	.0025234	.0013827	.008844	.0040828	.026250	.0009337
%RSD	35.39457	14.08935	5.465549	54.83611	104.5483	.5495998	1.370456
#1	-.005110	.0168246	.0252149	-.026313	-.000377	4.793808	.0686612
#2	-.002754	.0207942	.0267219	-.010374	.007754	4.788736	.0686723
#3	-.005855	.0161105	.0239603	-.011700	.004339	4.746019	.0670497

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006242	.0002591	106.6016	.0068141	.0343526	.0281447	15.86352
Stddev	.0000364	.0000425	.1591	.0010690	.0007435	.0062553	.04184
%RSD	5.832975	16.40513	.1492680	15.68763	2.164409	22.22554	.2637357
#1	.0006228	.0002247	106.6146	.0076523	.0347173	.0267725	15.81607
#2	.0005885	.0003066	106.7538	.0071797	.0334971	.0226894	15.87939
#3	.0006613	.0002460	106.4364	.0056103	.0348434	.0349722	15.89509

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9265396	22.46782	.0108530	.0006561	-.688947	.0203117	.0530476
Stddev	.0032421	.10227	.0003861	.0000811	.638038	.0082817	.0103898
%RSD	.3499129	.4551669	3.557661	12.36155	92.61071	40.77319	19.58578
#1	.9300144	22.49289	.0111235	.0006987	-.155771	.0167402	.0413562
#2	.9235958	22.35535	.0104108	.0005626	-1.39586	.0297798	.0565627
#3	.9260085	22.55523	.0110248	.0007070	-.51521	.0144149	.0612238

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4238861	.7438014	.0012507	.0029254	.2082101	1.164588	.0038115
Stddev	.1304924	.0063761	.0025047	.0003506	.0062002	.008381	.0010104
%RSD	30.78478	.8572343	200.2649	11.98416	2.977875	.7196949	26.50891
#1	.5715776	.7495537	-.000349	.0028873	.2153603	1.168807	.0048478
#2	.3241814	.7369455	-.000036	.0032935	.2049499	1.154935	.0037575
#3	.3758992	.7449050	.004137	.0025954	.2043201	1.170022	.0028292

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5039-07LDLX10 Acquired: 12/23/2024 16:21:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ7L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1483325	.0853950	.0103239
Stddev	.0023435	.0003033	.0008943
%RSD	1.579894	.3551279	8.662536
#1	.1478736	.0852697	.0106461
#2	.1462523	.0857409	.0093132
#3	.1508714	.0851745	.0110125

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2073.812	27157.06	2215.861	1786.295	1802.150
Stddev	10.540	89.32	19.023	11.650	10.237
%RSD	.5082320	.3289183	.8584879	.6521821	.5680468
#1	2062.012	27054.34	2197.276	1773.059	1790.329
#2	2077.135	27216.48	2235.293	1794.991	1808.001
#3	2082.290	27200.36	2215.014	1790.836	1808.119

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5039-09DLX2 Acquired: 12/23/2024 16:26:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ7S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0727572	.0452282	.1141201	.0818997	.0931026	24.03185	2.093733
Stddev	.0040285	.0021335	.0011500	.0008133	.0000691	.20683	.014432
%RSD	5.536859	4.717241	1.007690	.9930847	.0742333	.8606459	.6892751
#1	.0771322	.0445936	.1131005	.0828387	.0931304	23.81025	2.078684
#2	.0719382	.0434840	.1138931	.0814456	.0930239	24.21978	2.107455
#3	.0692011	.0476070	.1153666	.0814148	.0931536	24.06552	2.095059

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0474865	.0496811	482.3594	.2221336	.5399411	.3560184	71.87935
Stddev	.0002444	.0001172	2.5379	.0006354	.0015479	.0022996	.41629
%RSD	.5146223	.2358532	.5261485	.2860471	.2866761	.6459317	.5791570
#1	.0474711	.0495994	479.4732	.2225004	.5415352	.3533637	71.40685
#2	.0477382	.0496285	484.2421	.2225004	.5384440	.3573980	72.19214
#3	.0472502	.0498153	483.3631	.2213999	.5398442	.3572936	72.03905

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.582487	100.3670	.5438631	.0345403	-.739294	.5134417	.6437337
Stddev	.036691	.9641	.0011036	.0002689	.513837	.0173974	.0060992
%RSD	.8006828	.9605324	.2029106	.7786395	69.50378	3.388383	.9474771
#1	4.540522	99.3078	.5444361	.0347565	-.382079	.5000446	.6493063
#2	4.608510	101.1933	.5425909	.0342391	-.507625	.5071766	.6372178
#3	4.598430	100.5998	.5445623	.0346253	-1.32818	.5331039	.6446770

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.483210	3.855071	.0151044	.0028704	1.000903	5.771222	.0138711
Stddev	.107777	.009648	.0024996	.0003366	.005204	.029261	.0014169
%RSD	3.094178	.2502562	16.54889	11.72561	.5199042	.5070157	10.21498
#1	3.551845	3.860322	.0139516	.0025000	1.004349	5.778979	.0130204
#2	3.538796	3.860954	.0133892	.0029539	1.003442	5.795822	.0130862
#3	3.358988	3.843937	.0179724	.0031574	.994917	5.738864	.0155068

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5039-09DLX2 Acquired: 12/23/2024 16:26:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ7S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7021624	.3907131	.0438329
Stddev	.0063198	.0014870	.0041187
%RSD	.9000449	.3805837	9.396418
#1	.6961035	.3890081	.0467368
#2	.7016695	.3917414	.0456427
#3	.7087142	.3913897	.0391191

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2182.621	28657.01	2394.483	1870.379	1694.721
Stddev	5.619	80.31	10.743	.744	2.730
%RSD	.2574534	.2802478	.4486514	.0397674	.1611057
#1	2179.063	28638.78	2392.364	1870.975	1691.726
#2	2189.099	28587.38	2384.958	1869.545	1697.071
#3	2179.702	28744.87	2406.128	1870.616	1695.367

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5039-16DLX2 Acquired: 12/23/2024 16:29:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKL8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0283264	-.000631	.1108515	.0126707	.0169476	23.56466	.2942591
Stddev	.0017278	.003689	.0017858	.0033106	.0056175	.03466	.0009652
%RSD	6.099720	584.2709	1.611011	26.12820	33.14619	.1470842	.3279984
#1	.0264761	.003302	.1121109	.0096060	.0210414	23.58602	.2949029
#2	.0298978	-.001180	.1088077	.0122241	.0192580	23.58330	.2947249
#3	.0286052	-.004016	.1116358	.0161819	.0105433	23.52467	.2931493

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030781	.0013843	526.5025	.0390683	.0709183	.0911562	87.63542
Stddev	.0000889	.0000505	1.6423	.0007268	.0008461	.0021142	.10983
%RSD	2.887070	3.644818	.3119313	1.860366	1.193010	2.319341	.1253278
#1	.0030684	.0014226	528.3204	.0382560	.0718156	.0900675	87.74169
#2	.0029945	.0014032	526.0610	.0396571	.0701351	.0935929	87.64223
#3	.0031715	.0013271	525.1260	.0392917	.0708043	.0898081	87.52235

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.697793	238.2402	.0577228	.0035725	-.589211	.0836824	.3433279
Stddev	.007218	.6465	.0009597	.0002206	.630902	.0093237	.0028883
%RSD	.1952072	.2713588	1.662526	6.175934	107.0757	11.14182	.8412714
#1	3.705893	238.9607	.0579875	.0038260	-1.12375	.0809385	.3400202
#2	3.692043	237.7111	.0585222	.0034240	-.75058	.0940702	.3446123
#3	3.695442	238.0487	.0566585	.0034675	.10670	.0760385	.3453513

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.929945	3.606482	.0189812	.0040694	.9178695	5.712012	.0165653
Stddev	.071865	.006626	.0024011	.0004620	.0041557	.012182	.0018779
%RSD	2.452791	.1837298	12.64992	11.35240	.4527573	.2132687	11.33627
#1	2.951065	3.613145	.0167987	.0042222	.9150356	5.725810	.0185404
#2	2.849886	3.599893	.0215532	.0035503	.9159328	5.702746	.0163526
#3	2.988884	3.606407	.0185916	.0044355	.9226400	5.707479	.0148028

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5039-16DLX2 Acquired: 12/23/2024 16:29:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKL8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3363689	.1813580	.0468555
Stddev	.0004485	.0006347	.0034431
%RSD	.1333386	.3499715	7.348430
#1	.3360970	.1820842	.0429857
#2	.3368866	.1810803	.0495803
#3	.3361231	.1809094	.0480004

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2158.235	28262.32	2368.034	1845.029	1678.282
Stddev	7.133	87.02	12.035	5.788	5.040
%RSD	.3304952	.3078925	.5082412	.3137182	.3003346
#1	2154.644	28239.64	2354.137	1839.762	1672.848
#2	2153.611	28188.89	2374.984	1844.098	1679.191
#3	2166.450	28358.43	2374.981	1851.226	1682.805

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5180-01DLX4 Acquired: 12/23/2024 16:33:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYW9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2612144	-.133731	.1278111	.1853724	.0626960	54.39113	.8458765
Stddev	.0039434	.003118	.0007845	.0024162	.0035519	.27432	.0060197
%RSD	1.509657	2.331243	.6138101	1.303444	5.665233	.5043386	.7116486
#1	.2583783	-.135208	.1279584	.1863195	.0585984	54.63645	.8520120
#2	.2657176	-.135835	.1269634	.1826261	.0648960	54.44201	.8456377
#3	.2595473	-.130149	.1285115	.1871716	.0645937	54.09494	.8399798

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059447	.0024989	22.52062	.1335551	.1196720	.1832151	319.8103
Stddev	.0000824	.0001314	.07477	.0008170	.0008795	.0033892	1.1317
%RSD	1.386105	5.259915	.3320069	.6117063	.7349168	1.849848	.3538712
#1	.0060358	.0024089	22.59433	.1328456	.1190639	.1793320	320.9031
#2	.0058753	.0024381	22.52270	.1344483	.1192716	.1847346	319.8846
#3	.0059228	.0026498	22.44483	.1333714	.1206804	.1855786	318.6433

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.60374	33.80252	.1202556	.0118167	-.878976	.3559816	.3436356
Stddev	.08162	.14295	.0008965	.0007034	.528021	.0083500	.0054810
%RSD	.4636311	.4228996	.7454727	5.952364	60.07226	2.345639	1.594999
#1	17.69316	33.91086	.1195824	.0124660	-1.20523	.3636090	.3384452
#2	17.58479	33.64050	.1212732	.0110695	-.26978	.3572757	.3430947
#3	17.53326	33.85619	.1199112	.0119146	-1.16192	.3470600	.3493670

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.074464	2.595960	-.052552	-.000069	.2021095	2.538028	.0257577
Stddev	.175401	.005530	.002621	.000161	.0060684	.020082	.0018118
%RSD	2.172299	.2130407	4.988322	232.2024	3.002509	.7912306	7.033988
#1	8.275386	2.590592	-.055256	-.000244	.1951457	2.550899	.0237858
#2	7.996109	2.595649	-.050022	.000073	.2049177	2.548297	.0261386
#3	7.951899	2.601639	-.052376	-.000037	.2062651	2.514888	.0273489

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5180-01DLX4 Acquired: 12/23/2024 16:33:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYW9 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5620164	-.184522	.0534683
Stddev	.0052233	.000599	.0021718
%RSD	.9293853	.3244110	4.061940
#1	.5680474	-.185169	.0554426
#2	.5589442	-.184410	.0511419
#3	.5590577	-.183988	.0538202

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2161.655	28058.93	2285.119	1854.031	1868.857
Stddev	4.354	152.40	29.200	15.109	2.196
%RSD	.2014081	.5431406	1.277850	.8149426	.1175030
#1	2156.714	27994.12	2270.230	1838.228	1866.711
#2	2163.324	27949.65	2266.363	1855.529	1871.100
#3	2164.928	28233.02	2318.763	1868.335	1868.761

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5180-03DLX4 Acquired: 12/23/2024 16:37:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3684136	-.130532	.1173124	.1790445	.0618933	71.36608	1.188434
Stddev	.0047431	.000610	.0010879	.0040255	.0021061	.10988	.002089
%RSD	1.287430	.4672985	.9273529	2.248310	3.402762	.1539737	.1757514
#1	.3629446	-.131129	.1176056	.1750247	.0621363	71.34457	1.190389
#2	.3708943	-.130557	.1161079	.1790331	.0638674	71.26854	1.186233
#3	.3714018	-.129910	.1182236	.1830756	.0596763	71.48513	1.188680

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056599	.0027002	20.38726	.2432190	.1502870	.3436109	306.5915
Stddev	.0000575	.0001610	.04295	.0010421	.0007687	.0066431	.2719
%RSD	1.015450	5.964134	.2106804	.4284732	.5115116	1.933331	.0886734
#1	.0056466	.0026274	20.43009	.2436303	.1494598	.3508322	306.5296
#2	.0056102	.0028847	20.38752	.2439927	.1504215	.3377595	306.3559
#3	.0057228	.0025883	20.34418	.2420340	.1509795	.3422410	306.8890

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.62396	48.67022	.1753824	.0100385	-.228645	.5403198	.2929230
Stddev	.04464	.18162	.0003311	.0004807	.258600	.0043518	.0149439
%RSD	.2532750	.3731583	.1888043	4.788089	113.1014	.8054138	5.101646
#1	17.57589	48.60261	.1750090	.0101577	-.442800	.5385234	.2924962
#2	17.63188	48.53211	.1754981	.0104483	.058647	.5371537	.3080757
#3	17.66410	48.87595	.1756403	.0095094	-.301781	.5452822	.2781970

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.301398	2.006593	-.057653	-.000151	.1804981	2.885376	.0248911
Stddev	.039398	.002834	.003515	.000214	.0038117	.020035	.0022271
%RSD	.4235742	.1412127	6.097181	141.9101	2.111744	.6943497	8.947351
#1	9.293670	2.009797	-.054366	-.000224	.1845021	2.890052	.0231984
#2	9.344088	2.005564	-.057234	-.000318	.1800789	2.863418	.0274140
#3	9.266436	2.004418	-.061359	.000090	.1769134	2.902660	.0240607

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5180-03DLX4 Acquired: 12/23/2024 16:37:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7105369	-.170852	.0609448
Stddev	.0079630	.000413	.0031500
%RSD	1.120705	.2417045	5.168572
#1	.7137693	-.170550	.0576394
#2	.7014659	-.171322	.0612829
#3	.7163754	-.170683	.0639121

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2138.273	27681.83	2262.610	1831.689	1832.524
Stddev	1.997	94.78	14.754	6.068	2.374
%RSD	.0933754	.3423765	.6520787	.3312524	.1295531
#1	2137.686	27681.77	2255.862	1825.467	1835.265
#2	2136.635	27587.09	2279.532	1832.011	1831.169
#3	2140.497	27776.64	2252.437	1837.589	1831.137

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5180-04DLX5 Acquired: 12/23/2024 16:41:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1244900	-.119189	.1971117	.1736406	.0608865	27.48356	1.217853
Stddev	.0062969	.002388	.0011972	.0011248	.0030191	.10816	.005244
%RSD	5.058141	2.003443	.6073880	.6477977	4.958621	.3935620	.4305774
#1	.1175095	-.117820	.1959788	.1726645	.0587829	27.60839	1.223500
#2	.1297425	-.121946	.1969920	.1733866	.0643459	27.42495	1.216921
#3	.1262180	-.117801	.1983642	.1748707	.0595307	27.41736	1.213138

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0045475	.0036008	15.46486	.0597382	.0993300	.2382965	293.4298
Stddev	.0002470	.0000547	.07642	.0007572	.0004393	.0018634	1.0742
%RSD	5.430440	1.519992	.4941673	1.267538	.4422837	.7819589	.3660870
#1	.0046783	.0035439	15.55310	.0605962	.0988396	.2362218	294.0715
#2	.0042627	.0036056	15.41979	.0594549	.0996877	.2388401	294.0282
#3	.0047015	.0036530	15.42169	.0591636	.0994626	.2398277	292.1897

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	21.63119	16.94451	.0714074	.0433326	-.376543	.1457444	.4347215
Stddev	.07841	.16125	.0006938	.0015208	.217153	.0018157	.0164692
%RSD	.3624679	.9516441	.9716151	3.509629	57.67003	1.245817	3.788445
#1	21.71495	16.93767	.0721897	.0420406	-.563031	.1478410	.4513907
#2	21.61906	16.78679	.0711659	.0450086	-.428462	.1446840	.4184599
#3	21.55955	17.10908	.0708667	.0429486	-.138137	.1447083	.4343140

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.152403	1.797810	-.061936	-.000750	.2043205	1.577892	.0226679
Stddev	.124578	.006225	.004769	.000354	.0050718	.010416	.0008753
%RSD	1.741765	.3462531	7.699764	47.26282	2.482289	.6600907	3.861510
#1	7.023888	1.803839	-.067435	-.000437	.1985607	1.583004	.0220339
#2	7.272631	1.791406	-.058943	-.000677	.2081178	1.565908	.0236666
#3	7.160689	1.798186	-.059429	-.001135	.2062831	1.584764	.0223033

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5180-04DLX5 Acquired: 12/23/2024 16:41:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3994755	-.172553	.0348150
Stddev	.0043761	.001446	.0025443
%RSD	1.095462	.8380483	7.308097
#1	.4006122	-.173050	.0324043
#2	.3946433	-.173685	.0374747
#3	.4031712	-.170924	.0345661

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2128.047	27536.73	2227.524	1818.539	1883.058
Stddev	4.897	54.36	12.292	5.029	4.614
%RSD	.2301209	.1974209	.5518167	.2765214	.2450008
#1	2133.647	27522.36	2217.222	1821.491	1888.075
#2	2125.922	27491.00	2241.130	1821.394	1882.099
#3	2124.571	27596.84	2224.219	1812.733	1878.999

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5180-05DLX8 Acquired: 12/23/2024 16:45:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1727602	-.064109	.0908377	.0934835	.0311365	27.56073	.5781977
Stddev	.0017545	.006830	.0008186	.0032748	.0017452	.28713	.0067827
%RSD	1.015553	10.65384	.9011547	3.503032	5.605054	1.041791	1.173080
#1	.1744279	-.070721	.0914036	.0902859	.0331516	27.60324	.5809773
#2	.1729225	-.064525	.0898991	.0968303	.0301202	27.82422	.5831490
#3	.1709302	-.057080	.0912104	.0933342	.0301375	27.25471	.5704667

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025967	.0019653	10.65234	.0816324	.0634173	.1726193	152.3868
Stddev	.0001414	.0000850	.12073	.0006477	.0003848	.0040469	1.7292
%RSD	5.446026	4.323841	1.133334	.7933877	.6067205	2.344389	1.134712
#1	.0027059	.0019480	10.76816	.0821592	.0634567	.1679985	152.9943
#2	.0024370	.0018903	10.66162	.0818288	.0637809	.1755323	153.7302
#3	.0026472	.0020576	10.52724	.0809093	.0630144	.1743272	150.4359

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.32144	18.61084	.0719617	.0054263	-.719999	.1943084	.1598083
Stddev	.09723	.23206	.0010056	.0005148	.758926	.0152989	.0165327
%RSD	.9420454	1.246884	1.397358	9.487354	105.4066	7.873506	10.34531
#1	10.35666	18.80943	.0714921	.0049504	-.832899	.2076506	.1788863
#2	10.39616	18.66733	.0712769	.0059728	-1.41615	.1976646	.1508623
#3	10.21151	18.35575	.0731162	.0053559	.08905	.1776101	.1496763

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.435059	.8831737	-.029875	.0012313	.1492220	1.511695	.0121970
Stddev	.050047	.0039190	.002348	.0000715	.0008950	.020893	.0009355
%RSD	2.055258	.4437427	7.858124	5.806133	.5997978	1.382077	7.670076
#1	2.414148	.8787241	-.028684	.0013048	.1490050	1.512574	.0120530
#2	2.398859	.8861123	-.032580	.0012270	.1484554	1.532134	.0113419
#3	2.492170	.8846846	-.028362	.0011620	.1502055	1.490376	.0131962

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5180-05DLX8 Acquired: 12/23/2024 16:45:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3397215	-.081704	.0263092
Stddev	.0024942	.001227	.0036552
%RSD	.7341967	1.501269	13.89312
#1	.3376484	-.081962	.0221169
#2	.3424895	-.082780	.0279826
#3	.3390264	-.080368	.0288280

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2115.768	27412.43	2248.225	1810.742	1868.404
Stddev	3.450	114.95	30.708	18.153	2.686
%RSD	.1630641	.4193501	1.365876	1.002508	.1437507
#1	2112.942	27317.33	2242.983	1790.054	1865.592
#2	2119.613	27379.77	2220.476	1818.163	1870.942
#3	2114.750	27540.17	2281.217	1824.008	1868.679

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5180-06DLX8 Acquired: 12/23/2024 16:49:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1338164	-.069488	.0795642	.0983636	.0340737	27.34383	.6591959
Stddev	.0070003	.001799	.0009183	.0029191	.0018525	.14453	.0037951
%RSD	5.231312	2.588435	1.154112	2.967667	5.436795	.5285622	.5757165
#1	.1305250	-.069944	.0785640	.0971598	.0323117	27.29023	.6578629
#2	.1290683	-.071014	.0797593	.1016921	.0339043	27.50750	.6634776
#3	.1418558	-.067505	.0803692	.0962389	.0360051	27.23375	.6562471

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0029002	.0015044	8.359636	.0713879	.0603482	.1518770	168.2251
Stddev	.0002388	.0000150	.039949	.0005351	.0002782	.0051163	.6889
%RSD	8.234285	.9946625	.4778815	.7496136	.4609070	3.368707	.4095280
#1	.0029672	.0015088	8.397528	.0717970	.0600707	.1558434	167.8995
#2	.0026350	.0015166	8.317906	.0715845	.0606269	.1461021	169.0165
#3	.0030984	.0014877	8.363474	.0707823	.0603469	.1536856	167.7593

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.53022	18.95879	.0627185	.0053574	-.467783	.2044779	.1992833
Stddev	.03659	.16073	.0002392	.0008506	.812001	.0044193	.0081915
%RSD	.3173152	.8478084	.3813435	15.87745	173.5847	2.161251	4.110485
#1	11.52923	18.92655	.0625452	.0043911	.000885	.2040409	.1898333
#2	11.56730	19.13321	.0629914	.0056879	.001166	.2090994	.2036547
#3	11.49414	18.81663	.0626190	.0059932	-1.40540	.2002933	.2043618

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.362809	1.043820	-.032875	-.000401	.0522989	1.057526	.0117763
Stddev	.105281	.002612	.002223	.000453	.0019033	.002805	.0005899
%RSD	1.963172	.2502733	6.761804	112.8759	3.639180	.2652083	5.008993
#1	5.484213	1.041447	-.030310	-.000604	.0505792	1.057446	.0124574
#2	5.307585	1.046619	-.034240	.000118	.0543438	1.054762	.0114255
#3	5.296630	1.043394	-.034076	-.000717	.0519737	1.060369	.0114461

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5180-06DLX8 Acquired: 12/23/2024 16:49:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3293643	-.110852	.0278099
Stddev	.0057244	.000414	.0051803
%RSD	1.738017	.3736351	18.62733
#1	.3308278	-.110799	.0325249
#2	.3342148	-.111291	.0222647
#3	.3230502	-.110467	.0286401

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2098.390	27320.37	2208.407	1805.975	1853.427
Stddev	2.692	98.55	2.844	3.848	3.622
%RSD	.1283003	.3607021	.1287806	.2130844	.1954330
#1	2095.570	27425.79	2209.004	1810.109	1851.449
#2	2098.666	27230.57	2205.312	1802.497	1851.225
#3	2100.934	27304.76	2210.906	1805.319	1857.608

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5180-07DLX8 Acquired: 12/23/2024 16:53:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0808820	-.080155	.1149807	.1179792	.0381783	17.32849	.4943321
Stddev	.0016256	.004411	.0023504	.0056538	.0010023	.88167	.0260633
%RSD	2.009848	5.503242	2.044139	4.792223	2.625184	5.087980	5.272422
#1	.0827390	-.084822	.1144704	.1232028	.0393337	18.20871	.5213368
#2	.0801912	-.079588	.1129273	.1119761	.0375433	16.44537	.4693253
#3	.0797160	-.076055	.1175442	.1187588	.0376580	17.33140	.4923340

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031631	.0017696	9.169349	.0303136	.0610327	.1433330	189.8767
Stddev	.0002695	.0001672	.428010	.0003541	.0003952	.0062347	9.0312
%RSD	8.521060	9.446994	4.667838	1.168042	.6475695	4.349816	4.756349
#1	.0034736	.0015927	9.611473	.0299259	.0609653	.1503724	199.2999
#2	.0029897	.0017911	8.757008	.0306198	.0614573	.1385067	181.2967
#3	.0030259	.0019249	9.139567	.0303952	.0606756	.1411199	189.0335

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.86184	9.727909	.0428747	.0078409	-1.81959	.0805264	.2043424
Stddev	.59104	.467250	.0009073	.0005817	.93038	.0146651	.0184524
%RSD	4.982741	4.803187	2.116188	7.419348	51.13120	18.21159	9.030135
#1	12.48547	10.15088	.0433781	.0081961	-.94048	.0924947	.1830357
#2	11.30993	9.22635	.0434187	.0071695	-2.79391	.0641675	.2150909
#3	11.79012	9.80650	.0418273	.0081570	-1.72436	.0849170	.2149006

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.653189	1.092703	-.033682	-.000362	.1301649	.9565983	.0147130
Stddev	.316516	.002103	.003919	.000600	.0039938	.0415864	.0022047
%RSD	11.92965	.1924812	11.63473	165.8674	3.068265	4.347325	14.98490
#1	2.970510	1.090360	-.029259	-.000921	.1259266	1.001483	.0168568
#2	2.337484	1.093320	-.036721	.000271	.1338582	.919376	.0148303
#3	2.651572	1.094429	-.035065	-.000435	.1307098	.948936	.0124520

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5180-07DLX8 Acquired: 12/23/2024 16:53:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1460185	-.133099	.0246778
Stddev	.0102487	.005850	.0064275
%RSD	7.018765	4.395180	26.04563
#1	.1571537	-.139070	.0303381
#2	.1369807	-.127378	.0176903
#3	.1439212	-.132850	.0260049

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2092.215	27242.88	2179.648	1806.287	1860.934
Stddev	5.625	82.31	81.259	6.322	6.763
%RSD	.2688561	.3021213	3.728059	.3500008	.3634265
#1	2087.512	27259.58	2090.574	1799.036	1855.491
#2	2098.446	27153.50	2249.726	1809.185	1868.505
#3	2090.687	27315.55	2198.643	1810.641	1858.805

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5180-08DLX8 Acquired: 12/23/2024 16:57:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1214305	-.062212	.0787288	.0948772	.0296667	27.96856	.5096963
Stddev	.0043938	.002473	.0009439	.0049579	.0029277	.09803	.0032500
%RSD	3.618352	3.974871	1.198893	5.225614	9.868720	.3505163	.6376356
#1	.1166113	-.059363	.0795205	.0892379	.0330464	27.85584	.5084820
#2	.1252138	-.063799	.0789818	.0985508	.0280498	28.01594	.5133786
#3	.1224663	-.063475	.0776843	.0968431	.0279041	28.03391	.5072283

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027222	.0012656	10.30301	.0666501	.0617868	.1279810	157.1514
Stddev	.0001342	.0000621	.02291	.0004009	.0004947	.0012020	.4547
%RSD	4.930522	4.909271	.2223756	.6014722	.8006788	.9391834	.2893405
#1	.0026325	.0011954	10.29411	.0662762	.0612202	.1289174	156.6863
#2	.0026576	.0013136	10.32904	.0666009	.0620073	.1284000	157.5949
#3	.0028765	.0012877	10.28589	.0670734	.0621330	.1266256	157.1729

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.48573	18.03338	.0616511	.0045555	-.787005	.1706052	.2043660
Stddev	.03450	.08704	.0002442	.0007762	.881106	.0066887	.0042138
%RSD	.3290578	.4826730	.3961214	17.03968	111.9568	3.920585	2.061881
#1	10.44900	17.97678	.0619280	.0042911	-1.40117	.1640261	.2066180
#2	10.51746	17.98975	.0614665	.0054294	.22254	.1703912	.1995047
#3	10.49074	18.13361	.0615587	.0039460	-1.18238	.1773984	.2069753

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.602760	1.127083	-.029900	-.000231	.1402103	1.293490	.0126086
Stddev	.079865	.003813	.006469	.000238	.0087205	.004246	.0020289
%RSD	1.735145	.3382994	21.63462	103.0010	6.219582	.3282759	16.09119
#1	4.622118	1.130143	-.028759	-.000309	.1431092	1.293277	.0129990
#2	4.671165	1.122812	-.024078	-.000420	.1304095	1.289353	.0144138
#3	4.514995	1.128294	-.036864	.000036	.1471120	1.297838	.0104128

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5180-08DLX8 Acquired: 12/23/2024 16:57:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3604452	-.089599	.0279636
Stddev	.0043570	.000821	.0013883
%RSD	1.208777	.9160866	4.964675
#1	.3644887	-.088679	.0269091
#2	.3610159	-.090257	.0295365
#3	.3558310	-.089862	.0274451

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2110.757	27301.83	2213.829	1806.323	1864.888
Stddev	8.569	81.62	14.059	5.649	6.767
%RSD	.4059773	.2989574	.6350646	.3127417	.3628598
#1	2100.863	27237.83	2211.190	1801.793	1857.099
#2	2115.624	27393.75	2229.020	1812.653	1869.323
#3	2115.785	27273.92	2201.276	1804.524	1868.243

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5180-09DLX8 Acquired: 12/23/2024 17:01:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0679677	-.079278	.0903220	.1128582	.0400173	19.09742	.5494827
Stddev	.0027153	.003745	.0008835	.0064350	.0004436	.06832	.0017801
%RSD	3.995002	4.723519	.9781842	5.701805	1.108493	.3577270	.3239530
#1	.0710732	-.077766	.0909215	.1188588	.0400978	19.02103	.5495020
#2	.0667889	-.083542	.0893073	.1060627	.0404151	19.11857	.5476930
#3	.0660409	-.076526	.0907370	.1136530	.0395390	19.15266	.5512530

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032363	.0013669	9.591860	.0319174	.0594046	.0939794	189.3162
Stddev	.0001213	.0001173	.039620	.0010779	.0004906	.0035032	.4859
%RSD	3.747326	8.579208	.4130598	3.377109	.8258274	3.727608	.2566729
#1	.0031023	.0014591	9.605252	.0306773	.0595497	.0899823	189.3012
#2	.0032683	.0014066	9.547280	.0326297	.0588579	.0965162	188.8380
#3	.0033385	.0012349	9.623049	.0324451	.0598063	.0954396	189.8095

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.84537	11.45370	.0454767	.0070553	-1.00402	.0797815	.2176015
Stddev	.02587	.09283	.0004033	.0015651	.65543	.0074571	.0036271
%RSD	.2384896	.8104400	.8867159	22.18296	65.28115	9.346921	1.666831
#1	10.81928	11.34680	.0451599	.0076969	-1.21359	.0854905	.2183836
#2	10.84583	11.51382	.0453396	.0081977	-.26943	.0825095	.2207737
#3	10.87100	11.50050	.0459306	.0052714	-1.52904	.0713445	.2136472

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.859870	1.066586	-.039715	-.000313	.0980994	1.042594	.0130365
Stddev	.211577	.002361	.007038	.000349	.0019207	.002586	.0003372
%RSD	4.353559	.2213300	17.72043	111.5754	1.957956	.2480301	2.586840
#1	4.621614	1.063984	-.034522	-.000582	.0991498	1.043513	.0134174
#2	5.025799	1.068591	-.047725	.000082	.0992660	1.044595	.0127761
#3	4.932198	1.067182	-.036897	-.000439	.0958826	1.039674	.0129159

Reviewed By:Mohan
On:12/25/2024
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Inst Id :P5

Sample Name: P5180-09DLX8 Acquired: 12/23/2024 17:01:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3062632	-.129388	.0255977
Stddev	.0039898	.000645	.0025480
%RSD	1.302732	.4983927	9.953841
#1	.3017159	-.129322	.0235798
#2	.3078965	-.128779	.0284609
#3	.3091771	-.130064	.0247525

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2108.682	27373.60	2214.943	1806.069	1874.644
Stddev	6.975	77.83	7.013	15.695	6.219
%RSD	.3307760	.2843358	.3166430	.8690362	.3317429
#1	2103.261	27456.64	2222.949	1806.188	1870.188
#2	2106.234	27361.84	2211.996	1821.705	1871.996
#3	2116.551	27302.31	2209.883	1790.315	1881.749

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5180-10DLX10 Acquired: 12/23/2024 17:05:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0734615	-.061408	.1146291	.0897823	.0257612	14.40760	.7965419
Stddev	.0028255	.001039	.0005781	.0017497	.0011327	.02295	.0021756
%RSD	3.846261	1.691599	.5043512	1.948852	4.396783	.1592701	.2731301
#1	.0764455	-.060661	.1147779	.0896957	.0270018	14.39253	.7989032
#2	.0731120	-.060969	.1151183	.0915738	.0247823	14.43401	.7961036
#3	.0708270	-.062594	.1139911	.0880775	.0254995	14.39626	.7946188

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021555	.0017530	6.781638	.0331413	.0483335	.1625546	143.5123
Stddev	.0001401	.0000556	.025049	.0002834	.0000567	.0038139	.3684
%RSD	6.502177	3.173383	.3693600	.8552261	.1172099	2.346232	.2566889
#1	.0021125	.0017567	6.807290	.0328843	.0482880	.1667604	143.1179
#2	.0023121	.0016956	6.780384	.0334453	.0483155	.1615828	143.8474
#3	.0020419	.0018067	6.757240	.0330942	.0483970	.1593206	143.5718

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.65582	9.702485	.0403853	.0067543	-1.35788	.0858879	.1991685
Stddev	.02175	.034280	.0007222	.0002500	.34073	.0029893	.0103043
%RSD	.2040832	.3533126	1.788182	3.702029	25.09286	3.480488	5.173640
#1	10.63117	9.740960	.0404605	.0065019	-1.07571	.0824713	.1978969
#2	10.67231	9.675193	.0396285	.0070019	-1.26151	.0871705	.2100496
#3	10.66396	9.691301	.0410669	.0067592	-1.73641	.0880219	.1895591

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.768568	.7905719	-.031693	-.000285	.0471137	.6451860	.0090122
Stddev	.055199	.0040664	.003648	.000780	.0041983	.0054542	.0015725
%RSD	1.993766	.5143661	11.51144	273.5009	8.911003	.8453621	17.44841
#1	2.799820	.7862651	-.034672	.000566	.0453110	.6489522	.0079001
#2	2.801050	.7911055	-.027624	-.000966	.0519123	.6389314	.0083252
#3	2.704834	.7943453	-.032782	-.000456	.0441178	.6476743	.0108113

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5180-10DLX10 Acquired: 12/23/2024 17:05:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1816231	-.093450	.0182110
Stddev	.0019798	.000169	.0040877
%RSD	1.090063	.1803705	22.44619
#1	.1834869	-.093257	.0159201
#2	.1818376	-.093568	.0229304
#3	.1795447	-.093525	.0157826

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2087.463	27126.05	2200.538	1793.840	1861.005
Stddev	5.911	93.60	11.609	9.849	4.995
%RSD	.2831568	.3450427	.5275430	.5490480	.2683777
#1	2093.813	27038.56	2188.429	1783.687	1865.364
#2	2086.458	27114.85	2211.572	1794.478	1862.096
#3	2082.120	27224.75	2201.614	1803.354	1855.556

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5181-10DLX4 Acquired: 12/23/2024 17:09:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYY8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0750166	-.085997	.1097178	.1264466	.0422131	34.17853	.6450045
Stddev	.0018881	.001271	.0018304	.0036097	.0021424	.23090	.0025368
%RSD	2.516910	1.477975	1.668254	2.854693	5.075154	.6755780	.3933038
#1	.0759375	-.084568	.1081803	.1257551	.0439071	34.02920	.6429670
#2	.0762676	-.086423	.1092305	.1232328	.0398048	34.06192	.6442007
#3	.0728448	-.087000	.1117425	.1303520	.0429274	34.44449	.6478459

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035129	.0015836	15.13341	.0538030	.0889977	.1405305	210.6339
Stddev	.0000324	.0000218	.09456	.0006966	.0010246	.0062274	.7431
%RSD	.9226171	1.375021	.6248567	1.294660	1.151263	4.431329	.3528107
#1	.0034885	.0015859	15.04764	.0530616	.0878528	.1380005	209.9534
#2	.0035497	.0015607	15.11777	.0544439	.0893121	.1476247	210.5216
#3	.0035006	.0016041	15.23482	.0539034	.0898283	.1359664	211.4269

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.09411	20.83357	.0650005	.0099781	-1.45490	.1108992	.3648029
Stddev	.08255	.12914	.0003479	.0016164	.47527	.0020006	.0036436
%RSD	.4829249	.6198639	.5351489	16.19974	32.66654	1.803986	.9987887
#1	17.04269	20.90893	.0647790	.0090349	-1.58261	.1111746	.3643010
#2	17.05030	20.68445	.0648211	.0118446	-1.85327	.1087751	.3686714
#3	17.18933	20.90732	.0654015	.0090549	-.92883	.1127478	.3614362

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.506589	1.714550	-.045575	-.001230	.1323273	2.545351	.0140175
Stddev	.087037	.005214	.006843	.000378	.0076657	.008746	.0004918
%RSD	1.580590	.3041263	15.01497	30.73566	5.792999	.3435986	3.508305
#1	5.449548	1.708533	-.042015	-.000793	.1365534	2.535254	.0145817
#2	5.463449	1.717367	-.053464	-.001446	.1369497	2.550248	.0137907
#3	5.606769	1.717751	-.041245	-.001451	.1234786	2.550552	.0136800

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5181-10DLX4 Acquired: 12/23/2024 17:09:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYY8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4562823	-.093644	.0468352
Stddev	.0060293	.000313	.0029136
%RSD	1.321397	.3340141	6.220892
#1	.4513905	-.093996	.0501797
#2	.4544382	-.093398	.0448467
#3	.4630183	-.093538	.0454793

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2123.695	27496.56	2216.300	1812.718	1866.032
Stddev	1.506	130.62	6.296	3.073	.853
%RSD	.0709320	.4750524	.2840881	.1695475	.0457338
#1	2122.689	27390.32	2217.803	1809.224	1866.768
#2	2125.427	27642.40	2221.709	1815.003	1866.230
#3	2122.970	27456.95	2209.389	1813.928	1865.096

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5184-20DLX2 Acquired: 12/23/2024 17:13:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6954414	-.196860	.4792039	.2317101	.0941987	199.2449	.4042972
Stddev	.0014519	.002515	.0029620	.0016383	.0014296	.3953	.0019824
%RSD	.2087758	1.277443	.6181107	.7070474	1.517611	.1983838	.4903387
#1	.6969288	-.194270	.4817315	.2306718	.0958417	199.3974	.4059568
#2	.6953677	-.199292	.4799356	.2335987	.0935155	199.5412	.4048328
#3	.6940277	-.197017	.4759446	.2308597	.0932389	198.7961	.4021020

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0091432	.0176197	37.39181	.8627625	.2867155	2.105859	421.4394
Stddev	.0001749	.0001354	.09150	.0022348	.0009482	.021018	.7425
%RSD	1.913355	.7684253	.2447186	.2590321	.3306988	.9980680	.1761846
#1	.0092684	.0175624	37.37052	.8627652	.2857758	2.119749	421.9232
#2	.0092180	.0175223	37.49208	.8649960	.2876719	2.116150	421.8105
#3	.0089433	.0177743	37.31282	.8605263	.2866988	2.081679	420.5845

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.712818	151.7260	.5239538	.0090086	-.902012	1.145599	1.114674
Stddev	.027132	.3918	.0007208	.0015423	.624398	.012690	.002978
%RSD	.3517747	.2582298	.1375769	17.12040	69.22276	1.107752	.2671212
#1	7.724165	151.2740	.5232796	.0072817	-.635402	1.130996	1.114537
#2	7.732434	151.9683	.5247136	.0094953	-1.61546	1.151854	1.117717
#3	7.681855	151.9357	.5238681	.0102489	-.45518	1.153949	1.111767

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.450128	2.042734	-.085894	-.000519	.3771516	8.257168	.0377393
Stddev	.094076	.002784	.006329	.000851	.0034110	.070375	.0002698
%RSD	3.839625	.1362984	7.368474	164.0211	.9044142	.8522872	.7149501
#1	2.349910	2.045219	-.078619	-.000805	.3755489	8.191958	.0379558
#2	2.463939	2.039725	-.090136	.000438	.3748371	8.331765	.0378250
#3	2.536534	2.043260	-.088926	-.001191	.3810688	8.247780	.0374370

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5184-20DLX2 Acquired: 12/23/2024 17:13:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.991602	-.315423	.0974277
Stddev	.009527	.000629	.0016568
%RSD	.3184476	.1994316	1.700510
#1	2.998492	-.315883	.0955162
#2	2.995584	-.315680	.0984512
#3	2.980730	-.314706	.0983156

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2165.605	28040.49	2330.818	1856.019	1793.109
Stddev	4.156	28.04	10.794	3.702	3.471
%RSD	.1918988	.0999895	.4630799	.1994357	.1935778
#1	2164.937	28027.66	2337.948	1851.860	1792.129
#2	2170.054	28021.17	2318.400	1857.246	1796.964
#3	2161.824	28072.65	2336.107	1858.952	1790.233

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5184-21DLX2 Acquired: 12/23/2024 17:17:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6943300	-.200631	.4792459	.2369211	.0936122	199.3883	.4051442
Stddev	.0060069	.003282	.0024059	.0041462	.0028427	.2608	.0003919
%RSD	.8651425	1.635862	.5020186	1.750049	3.036655	.1307870	.0967216
#1	.6940472	-.198092	.4789807	.2417085	.0968454	199.6775	.4054316
#2	.6884695	-.204337	.4769836	.2344836	.0915051	199.1712	.4046979
#3	.7004734	-.199463	.4817735	.2345713	.0924862	199.3161	.4053032

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092522	.0178849	38.03537	.8570622	.2854444	2.108289	422.1619
Stddev	.0001464	.0000874	.07076	.0020759	.0003189	.001358	.5294
%RSD	1.582606	.4887710	.1860347	.2422050	.1117031	.0644138	.1253987
#1	.0093558	.0179664	38.05605	.8589161	.2850938	2.109828	422.5986
#2	.0093162	.0177926	38.09349	.8548194	.2855223	2.107257	422.3140
#3	.0090847	.0178959	37.95658	.8574512	.2857170	2.107783	421.5731

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.734838	152.1305	.5251936	.0092437	-.853355	1.153548	1.114304
Stddev	.005648	.3621	.0010215	.0011086	.631948	.016141	.008422
%RSD	.0730213	.2380218	.1944915	11.99304	74.05460	1.399239	.7558410
#1	7.737760	152.5280	.5240338	.0094705	-1.36354	1.161611	1.119206
#2	7.738425	152.0440	.5255876	.0080392	-.14644	1.134964	1.104579
#3	7.728327	151.8195	.5259594	.0102214	-1.05009	1.164069	1.119127

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.680641	2.045144	-.092862	-.000961	.3803747	8.228447	.0385543
Stddev	.225435	.010894	.007131	.000996	.0054394	.121312	.0010341
%RSD	8.409725	.5326938	7.679590	103.6375	1.430021	1.474299	2.682198
#1	2.881683	2.039876	-.100029	-.000933	.3780128	8.361457	.0389183
#2	2.436916	2.037884	-.092791	.000021	.3865959	8.199992	.0373874
#3	2.723325	2.057671	-.085766	-.001970	.3765155	8.123892	.0393572

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5184-21DLX2 Acquired: 12/23/2024 17:17:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.993035	-.316374	.1007593
Stddev	.005889	.000190	.0020427
%RSD	.1967674	.0601098	2.027309
#1	2.999129	-.316166	.0986642
#2	2.987375	-.316539	.1008685
#3	2.992601	-.316415	.1027452

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2161.381	27955.20	2324.495	1858.987	1789.166
Stddev	8.422	29.63	25.122	3.190	5.593
%RSD	.3896638	.1059859	1.080755	.1716173	.3126132
#1	2156.945	27961.49	2295.893	1859.629	1787.778
#2	2171.093	27981.18	2334.603	1855.524	1795.323
#3	2156.103	27922.93	2342.988	1861.807	1784.398

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5184-20LDLX10 Acquired: 12/23/2024 17:21:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1403471	-.042219	.0962286	.0534637	.0192447	41.26289	.0811405
Stddev	.0020237	.002747	.0008372	.0020790	.0028389	.18579	.0015263
%RSD	1.441937	6.506650	.8700493	3.888546	14.75131	.4502670	1.881058
#1	.1424273	-.039368	.0971676	.0558097	.0211424	41.14210	.0828609
#2	.1402290	-.042441	.0959583	.0527316	.0206107	41.16973	.0799490
#3	.1383850	-.044849	.0955599	.0518498	.0159811	41.47683	.0806117

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019141	.0033163	7.867051	.1787464	.0579384	.4480010	89.07893
Stddev	.0000399	.0000432	.036812	.0006607	.0003059	.0089732	.38434
%RSD	2.084889	1.303106	.4679210	.3696559	.5280546	2.002945	.4314580
#1	.0019181	.0033651	7.861573	.1792131	.0582508	.4583617	89.33451
#2	.0018724	.0033007	7.833285	.1779903	.0579251	.4427212	88.63693
#3	.0019519	.0032830	7.906294	.1790358	.0576394	.4429201	89.26534

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.630126	31.56182	.1055011	.0023790	-.477682	.2405072	.2322672
Stddev	.009829	.04676	.0008935	.0003545	.619741	.0039473	.0125923
%RSD	.6029671	.1481662	.8468699	14.90042	129.7392	1.641243	5.421458
#1	1.631632	31.55593	.1065323	.0020165	-.820656	.2397536	.2381533
#2	1.619630	31.61125	.1050123	.0023956	-.850121	.2369911	.2178098
#3	1.639115	31.51828	.1049586	.0027249	.237731	.2447770	.2408385

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1880743	.3960599	-.024155	-.000180	.0682980	1.710983	.0067111
Stddev	.0700760	.0019443	.002398	.000206	.0045913	.017387	.0036856
%RSD	37.25973	.4909015	9.928303	114.7251	6.722476	1.016224	54.91845
#1	.1538340	.3938419	-.026881	-.000086	.0711165	1.730830	.0106742
#2	.1417017	.3968677	-.023215	-.000037	.0630000	1.703680	.0033864
#3	.2686874	.3974700	-.022369	-.000416	.0707775	1.698438	.0060725

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5184-20LDLX10 Acquired: 12/23/2024 17:21:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6214004	-.066833	.0222586
Stddev	.0038022	.000646	.0011012
%RSD	.6118816	.9670119	4.947148
#1	.6176953	-.067476	.0230709
#2	.6252928	-.066184	.0210053
#3	.6212133	-.066839	.0226996

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2079.273	27276.30	2214.291	1807.198	1845.263
Stddev	1.078	72.24	24.132	4.696	1.665
%RSD	.0518344	.2648450	1.089828	.2598236	.0902235
#1	2080.168	27231.71	2186.808	1802.425	1846.042
#2	2079.574	27237.54	2224.048	1807.356	1846.396
#3	2078.077	27359.64	2232.017	1811.812	1843.351

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5184-22DLX2 Acquired: 12/23/2024 17:25:37 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7826231	-.105078	.5134099	.4101163	.2567519	202.0671	4.172040
Stddev	.0088778	.002601	.0049933	.0078938	.0017993	.4195	.008671
%RSD	1.134362	2.474977	.9725776	1.924770	.7007766	.2076215	.2078413
#1	.7725245	-.102228	.5079007	.4016441	.2579647	201.6094	4.162454
#2	.7861466	-.107322	.5176376	.4172643	.2576065	202.4335	4.179337
#3	.7891982	-.105683	.5146912	.4114404	.2546847	202.1583	4.174331

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1037165	.1124486	37.82483	1.229664	1.204470	2.556892	423.4686
Stddev	.0006697	.0004839	.19766	.001516	.002626	.009820	1.1756
%RSD	.6456589	.4303244	.5225789	.1233008	.2179959	.3840630	.2776021
#1	.1031837	.1119170	37.73537	1.231219	1.202122	2.560223	422.2802
#2	.1044682	.1125652	38.05141	1.228190	1.203984	2.564614	424.6309
#3	.1034975	.1128635	37.68771	1.229582	1.207305	2.545840	423.4947

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.641239	151.8190	1.474048	.0783212	-.545199	2.112856	1.979916
Stddev	.034575	.6333	.001896	.0020547	.314251	.017952	.026904
%RSD	.4001127	.4171419	.1286045	2.623437	57.63970	.8496531	1.358840
#1	8.613975	151.1067	1.471942	.0759675	-.217569	2.108737	1.997926
#2	8.680128	152.0318	1.474583	.0792397	-.573930	2.132509	1.948990
#3	8.629614	152.3185	1.475618	.0797565	-.844099	2.097322	1.992833

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.535564	2.003198	-.103746	-.001009	.3644163	8.455370	.0385475
Stddev	.051639	.002794	.003634	.000408	.0057699	.058200	.0011476
%RSD	2.036596	.1394633	3.503146	40.43049	1.583333	.6883163	2.977171
#1	2.514173	1.999985	-.104837	-.001481	.3634203	8.458971	.0397019
#2	2.498058	2.005048	-.106710	-.000764	.3592093	8.511685	.0374067
#3	2.594462	2.004562	-.099691	-.000784	.3706194	8.395453	.0385340

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5184-22DLX2 Acquired: 12/23/2024 17:25:37 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.990251	-.318053	.0984763
Stddev	.003277	.001439	.0056976
%RSD	.1096003	.4524727	5.785774
#1	2.988931	-.316516	.0970863
#2	2.993982	-.319368	.0936024
#3	2.987839	-.318276	.1047404

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2170.296	28449.08	2328.519	1879.598	1805.649
Stddev	2.146	96.73	13.696	2.266	.683
%RSD	.0988579	.3399990	.5881895	.1205788	.0378529
#1	2172.710	28337.46	2325.386	1877.343	1806.429
#2	2169.574	28508.33	2316.660	1881.876	1805.153
#3	2168.605	28501.45	2343.510	1879.573	1805.365

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5154-09DLX5 Acquired: 12/23/2024 17:29:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28P7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008548	.0260760	.0131877	-.033446	.0001750	1.969984	.0377696
Stddev	.002694	.0055211	.0022567	.002070	.0022788	.028878	.0013360
%RSD	31.51931	21.17306	17.11199	6.188094	1302.558	1.465879	3.537166
#1	-.009346	.0220479	.0120332	-.033834	.0021854	1.939961	.0384687
#2	-.010752	.0323694	.0157880	-.035295	.0006399	1.972432	.0386110
#3	-.005545	.0238107	.0117418	-.031210	-.002300	1.997560	.0362292

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003049	.0000529	344.7415	.0084752	.0387342	.0081387	5.613802
Stddev	.0001055	.0001024	.1701	.0007561	.0008793	.0053020	.029738
%RSD	34.58609	193.6541	.0493528	8.921740	2.270001	65.14528	.5297250
#1	.0001846	-.000058	344.6201	.0088407	.0378772	.0133282	5.641818
#2	.0003813	.000074	344.6686	.0089792	.0386914	.0083569	5.616989
#3	.0003488	.000143	344.9360	.0076058	.0396341	.0027310	5.582599

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2012718	196.5844	.0131976	-.000130	-2.03743	.0149904	.0393325
Stddev	.0009585	.4590	.0005080	.000865	.54650	.0040533	.0071826
%RSD	.4762430	.2334973	3.849377	665.2576	26.82284	27.03943	18.26130
#1	.2008880	196.0579	.0126518	-.001126	-2.66393	.0119620	.0467935
#2	.2023628	196.7951	.0132845	.000297	-1.65877	.0134142	.0324651
#3	.2005647	196.9003	.0136566	.000439	-1.78959	.0195951	.0387389

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.564093	.1327785	.0038955	.0048353	2.027742	.7085349	.0073012
Stddev	.086098	.0034277	.0023325	.0003688	.017947	.0059231	.0015420
%RSD	15.26299	2.581527	59.87666	7.627120	.8850676	.8359678	21.11906
#1	-.516118	.1299349	.0041597	.0051574	2.007521	.7056437	.0060351
#2	-.663490	.1318161	.0014421	.0049154	2.033929	.7046126	.0090184
#3	-.512671	.1365846	.0060846	.0044330	2.041777	.7153484	.0068503

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5154-09DLX5 Acquired: 12/23/2024 17:29:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28P7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0673118	.2690500	.0046572
Stddev	.0046836	.0004047	.0053353
%RSD	6.958075	.1504164	114.5600
#1	.0633571	.2694928	.0016891
#2	.0660944	.2686993	.0108166
#3	.0724839	.2689580	.0014660

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1979.654	26218.78	2150.411	1710.980	1699.295
Stddev	13.363	137.76	5.454	13.203	14.613
%RSD	.6750140	.5254066	.2536352	.7716818	.8599620
#1	1988.115	26181.19	2156.649	1703.245	1707.265
#2	1986.599	26103.73	2146.540	1703.469	1708.190
#3	1964.249	26371.43	2148.044	1726.225	1682.429

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: CCV003 Acquired: 12/23/2024 17:33:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV003 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.031209	4.876313	24.55670	4.919828	4.836937	402.8975	10.19142
Stddev	.019348	.011818	.03609	.003849	.009578	2.1291	.06572
%RSD	.3845601	.2423632	.1469495	.0782373	.1980152	.5284424	.6448955
#1	5.020219	4.862667	24.51742	4.916864	4.847975	400.6052	10.12058
#2	5.019858	4.883041	24.56431	4.918441	4.830829	404.8130	10.25041
#3	5.053549	4.883230	24.58838	4.924178	4.832006	403.2744	10.20327

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5106427	2.465840	412.6283	15.32674	2.444707	15.21692	418.1073
Stddev	.0003608	.001323	1.2762	.01737	.000731	.06519	2.4364
%RSD	.0706593	.0536581	.3092777	.1133330	.0299176	.4283954	.5827225
#1	.5109487	2.464818	411.3390	15.31628	2.444423	15.17352	415.6169
#2	.5102448	2.465368	413.8909	15.31715	2.445538	15.29188	420.4859
#3	.5107346	2.467335	412.6550	15.34679	2.444161	15.18536	418.2191

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.19965	412.9929	2.493083	1.298929	410.9113	2.579388	15.38914
Stddev	.08150	3.7268	.005915	.004336	3.4489	.007990	.00904
%RSD	.5362181	.9023784	.2372382	.3338218	.8393329	.3097805	.0587587
#1	15.11475	408.7403	2.486414	1.294691	406.9649	2.573967	15.37882
#2	15.27727	415.6896	2.497693	1.303357	412.4213	2.588565	15.39293
#3	15.20692	414.5488	2.495142	1.298740	413.3477	2.575633	15.39566

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	153.1191	4.958277	4.828743	4.886634	4.884942	4.779598	4.992196
Stddev	.8883	.006178	.006100	.008321	.005708	.006835	.003273
%RSD	.5801304	.1246053	.1263314	.1702756	.1168419	.1430059	.0655605
#1	152.3570	4.958688	4.823054	4.891025	4.880448	4.787332	4.988421
#2	154.0947	4.951904	4.827990	4.877037	4.891364	4.774370	4.994233
#3	152.9057	4.964240	4.835184	4.891839	4.883015	4.777092	4.993935

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: CCV003 Acquired: 12/23/2024 17:33:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV003 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.031683	4.767840	5.139188
Stddev	.003203	.018420	.027029
%RSD	.0636563	.3863465	.5259363
#1	5.035206	4.748403	5.109508
#2	5.030896	4.785039	5.162388
#3	5.028946	4.770079	5.145669

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1775.359	24213.95	2078.386	1520.141	1551.678
Stddev	3.076	77.40	.927	.280	2.984
%RSD	.1732782	.3196437	.0446066	.0184348	.1923342
#1	1774.776	24299.75	2079.452	1520.446	1553.243
#2	1772.616	24192.71	2077.772	1520.081	1548.237
#3	1778.685	24149.40	2077.933	1519.896	1553.555

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: CCB003 Acquired: 12/23/2024 17:37:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB003 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002657	-.000934	.0036794	-.000031	.0008841	.0282710	-.001586
Stddev	.003573	.001695	.0005344	.001457	.0031621	.0199779	.000793
%RSD	134.4859	181.4575	14.52348	4696.976	357.6730	70.66578	50.00289
#1	.000106	-.000190	.0040590	-.001175	.0011279	.0269005	-.000673
#2	-.001385	-.002874	.0039109	.001610	-.002393	.0090136	-.001986
#3	-.006691	.000262	.0030683	-.000529	.003917	.0488989	-.002100

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000024	-.000097	-.017206	-.001129	-.000075	.0010175	.0313354
Stddev	.000161	.000075	.014359	.000161	.000348	.0095611	.0132398
%RSD	681.4487	77.86731	83.45583	14.29846	467.1849	939.6308	42.25184
#1	.000162	-.000154	-.006980	-.001303	.000085	-.008561	.0212438
#2	-.000128	-.000011	-.011016	-.001100	.000165	.010561	.0463266
#3	-.000105	-.000126	-.033622	-.000985	-.000474	.001053	.0264357

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009898	.0833795	.0007016	-.000063	-.933045	.0042170	-.003391
Stddev	.0017550	.2035665	.0004961	.001890	.277235	.0091686	.015630
%RSD	177.3015	244.1447	70.70384	3016.991	29.71294	217.4192	460.8938
#1	.0030006	.3175460	.0001436	-.001326	-1.22586	.0101922	-.020859
#2	-.000233	-.015988	.0008687	.002110	-.67459	-.006339	.001413
#3	.000202	-.051419	.0010926	-.000972	-.89868	.008798	.009273

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.596801	-.000858	.0088214	.0002806	-.004628	-.079119	-.000431
Stddev	.172052	.000408	.0009502	.0005114	.004581	.000533	.000151
%RSD	28.82902	47.59734	10.77149	182.2624	98.98175	.6730664	34.97596
#1	-.795032	-.001329	.0098633	.0008274	-.008839	-.079614	-.000476
#2	-.486275	-.000619	.0080025	-.000186	-.005293	-.079188	-.000555
#3	-.509096	-.000625	.0085984	.000200	.000249	-.078556	-.000263

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: CCB003 Acquired: 12/23/2024 17:37:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB003 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0010029	.0000461	.0098546
Stddev	.0038583	.0001172	.0051057
%RSD	384.6973	254.0990	51.81000
#1	.0051450	.0000530	.0039789
#2	.0003527	.0001597	.0123739
#3	-.002489	-.000074	.0132110

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2041.148	26763.73	2144.952	1765.502	1853.001
Stddev	7.810	82.66	8.996	8.447	8.758
%RSD	.3826111	.3088554	.4193992	.4784387	.4726512
#1	2044.618	26697.27	2155.166	1760.693	1860.544
#2	2032.205	26737.62	2138.205	1760.557	1843.395
#3	2046.621	26856.29	2141.487	1775.255	1855.062

Reviewed By:Mohan
On:12/25/2024
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Inst Id :P5

Sample Name: P4978-05DLX5 Acquired: 12/23/2024 17:41:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ51 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003821	.0309689	.0861474	-.027126	.0008646	3.371960	.0239011
Stddev	.004219	.0062980	.0015451	.000922	.0008403	.041784	.0011488
%RSD	110.4113	20.33648	1.793513	3.398446	97.18788	1.239158	4.806402
#1	-.007923	.0265122	.0867270	-.026972	.0015525	3.384626	.0250177
#2	-.004047	.0381740	.0873189	-.028115	-.000072	3.325308	.0227226
#3	.000506	.0282204	.0843963	-.026291	.001113	3.405945	.0239629

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004722	.0029437	418.9507	.0106571	.0432386	.0096347	18.82457
Stddev	.0000733	.0000442	3.7380	.0006255	.0010247	.0067898	.14339
%RSD	15.53369	1.501655	.8922379	5.869198	2.369869	70.47304	.7617434
#1	.0004107	.0029791	419.3433	.0100942	.0437150	.0018769	18.73330
#2	.0005534	.0028941	415.0318	.0113305	.0439385	.0144957	18.75055
#3	.0004524	.0029578	422.4768	.0105467	.0420625	.0125314	18.98984

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.064912	237.4983	.0134111	.0020067	-1.57852	.0178885	.6033808
Stddev	.021015	2.1437	.0004384	.0010054	.04235	.0087793	.0047402
%RSD	1.017701	.9026064	3.268886	50.10185	2.682617	49.07793	.7855981
#1	2.065828	237.8786	.0138818	.0027603	-1.52963	.0280172	.6038733
#2	2.043454	235.1900	.0130145	.0023946	-1.60393	.0124587	.5984136
#3	2.085453	239.4264	.0133368	.0008651	-1.60198	.0131896	.6078555

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9096959	.2709356	.0238398	.0030010	4.140861	1.734917	.0070800
Stddev	.2049333	.0024197	.0004014	.0008144	.009135	.012821	.0022090
%RSD	22.52767	.8930856	1.683905	27.13889	.2206008	.7390107	31.20017
#1	.8333067	.2688151	.0242176	.0020700	4.130314	1.743880	.0045537
#2	1.141852	.2735714	.0238834	.0035818	4.146024	1.720231	.0080378
#3	.753929	.2704202	.0234183	.0033512	4.146246	1.740641	.0086484

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4978-05DLX5 Acquired: 12/23/2024 17:41:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ51 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0303081	.1147723	.0176824
Stddev	.0035732	.0016355	.0032300
%RSD	11.78939	1.425032	18.26662
#1	.0273642	.1149297	.0171015
#2	.0292767	.1130637	.0147822
#3	.0342836	.1163234	.0211634

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1924.206	25321.03	2128.440	1647.106	1629.145
Stddev	7.349	42.46	16.658	4.400	5.219
%RSD	.3819182	.1676693	.7826360	.2671127	.3203497
#1	1920.534	25355.09	2113.443	1642.482	1627.362
#2	1919.416	25273.47	2146.369	1651.240	1625.051
#3	1932.667	25334.54	2125.508	1647.596	1635.022

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4978-06DLX5 Acquired: 12/23/2024 17:45:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ52 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002504	.0260888	.0752226	-.024735	.0045171	2.562454	.0277576
Stddev	.005448	.0056078	.0034941	.001979	.0026487	.107310	.0014122
%RSD	217.5739	21.49497	4.645070	8.000291	58.63759	4.187787	5.087718
#1	.002747	.0197602	.0732401	-.027019	.0034345	2.512519	.0262179
#2	-.002129	.0280665	.0792571	-.023528	.0075357	2.685632	.0280624
#3	-.008130	.0304398	.0731707	-.023658	.0025812	2.489212	.0289925

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004375	.0018072	407.5088	.0079349	.0407561	.0125088	17.82947
Stddev	.0001438	.0001491	12.7206	.0008382	.0012695	.0064963	.54785
%RSD	32.85354	8.250723	3.121547	10.56295	3.114884	51.93405	3.072741
#1	.0004792	.0018849	402.6409	.0087189	.0410226	.0069120	17.58107
#2	.0005558	.0019015	421.9444	.0070515	.0418713	.0196327	18.45752
#3	.0002776	.0016353	397.9411	.0080343	.0393746	.0109818	17.44982

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.408923	229.7196	.0108464	-.000225	-1.48422	.0073251	.3699886
Stddev	.088443	7.1822	.0007922	.001452	.45494	.0026492	.0028772
%RSD	3.671464	3.126497	7.303607	644.8352	30.65192	36.16571	.7776310
#1	2.369333	226.0332	.0116987	-.001662	-1.45413	.0075341	.3685584
#2	2.510245	237.9964	.0107078	-.000256	-1.04507	.0098636	.3681068
#3	2.347191	225.1291	.0101327	.001242	-1.95346	.0045776	.3733006

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4521901	.2230720	.0194171	.0016706	3.661340	1.320003	.0076941
Stddev	.1000913	.0072073	.0012732	.0004792	.100662	.036213	.0021187
%RSD	22.13479	3.230912	6.557113	28.68509	2.749320	2.743411	27.53673
#1	.3368615	.2286733	.0200773	.0019164	3.726881	1.310142	.0089218
#2	.5033158	.2256018	.0179494	.0011184	3.711702	1.360126	.0089128
#3	.5163931	.2149409	.0202247	.0019772	3.545436	1.289742	.0052476

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4978-06DLX5 Acquired: 12/23/2024 17:45:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ52 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0135876	.1116848	.0106762
Stddev	.0054173	.0038759	.0024214
%RSD	39.86962	3.470425	22.68021
#1	.0077684	.1099450	.0096893
#2	.0184848	.1161258	.0134352
#3	.0145096	.1089836	.0089042

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2022.349	26299.19	2124.211	1709.006	1716.986
Stddev	51.079	81.42	57.270	4.091	46.954
%RSD	2.525733	.3095989	2.696057	.2393984	2.734654
#1	1990.493	26229.07	2137.219	1710.524	1686.270
#2	1995.289	26280.00	2061.556	1704.372	1693.653
#3	2081.265	26388.49	2173.859	1712.121	1771.036

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4978-07DLX5 Acquired: 12/23/2024 17:49:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ53 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005354	.0278520	.0771317	-.032949	.0017851	2.345101	.0140194
Stddev	.002269	.0030296	.0005159	.004254	.0021761	.041293	.0021234
%RSD	42.38406	10.87742	.6688316	12.91110	121.8989	1.760814	15.14578
#1	-.006009	.0249922	.0765546	-.029044	.0042973	2.360212	.0145593
#2	-.002829	.0275370	.0772924	-.032320	.0005725	2.298381	.0116782
#3	-.007224	.0310268	.0775480	-.037482	.0004856	2.376710	.0158207

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003714	.0009490	400.8446	.0073948	.0415993	.0110587	17.29286
Stddev	.0000746	.0001083	7.2844	.0003023	.0008809	.0037218	.28510
%RSD	20.09122	11.41450	1.817253	4.087734	2.117584	33.65493	1.648670
#1	.0003299	.0008516	404.8368	.0077415	.0416155	.0094582	17.40139
#2	.0003267	.0009297	392.4369	.0072567	.0407104	.0084049	16.96943
#3	.0004575	.0010657	405.2600	.0071862	.0424719	.0153131	17.50776

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.965943	227.9986	.0103937	.0014398	-1.08785	.0078807	.1940119
Stddev	.054911	4.0461	.0007578	.0017181	.66629	.0011159	.0171994
%RSD	1.851387	1.774619	7.291362	119.3282	61.24788	14.15937	8.865106
#1	2.993249	230.3145	.0107266	.0026405	-.33779	.0065938	.2027096
#2	2.902732	223.3266	.0109280	-.000528	-1.31457	.0084700	.2051253
#3	3.001849	230.3546	.0095263	.002207	-1.61119	.0085784	.1742008

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5639713	.2217980	.0145611	.0021088	3.460601	1.328545	.0073534
Stddev	.1594761	.0017509	.0019083	.0004043	.004444	.026634	.0003324
%RSD	28.27735	.7893895	13.10514	19.17138	.1284249	2.004739	4.520360
#1	.7202709	.2235068	.0138074	.0016874	3.461640	1.352742	.0071324
#2	.4014980	.2200079	.0131448	.0021455	3.455730	1.300008	.0071921
#3	.5701449	.2218792	.0167311	.0024935	3.464434	1.332886	.0077357

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4978-07DLX5 Acquired: 12/23/2024 17:49:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ53 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0082863	.1020759	.0073491
Stddev	.0015418	.0015925	.0011768
%RSD	18.60672	1.560071	16.01267
#1	.0065293	.1028159	.0072049
#2	.0094135	.1002481	.0062510
#3	.0089162	.1031638	.0085913

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1956.787	25915.93	2157.506	1685.425	1656.706
Stddev	2.180	54.13	43.054	5.381	2.199
%RSD	.1113876	.2088812	1.995550	.3192462	.1327625
#1	1954.327	25861.37	2122.994	1685.619	1654.413
#2	1958.478	25916.80	2205.752	1690.706	1658.798
#3	1957.557	25969.62	2143.773	1679.949	1656.908

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4979-14DLX2 Acquired: 12/23/2024 17:53:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJA2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0374797	.0082313	.2322187	.0157902	.0127943	25.46199	.3943019
Stddev	.0011633	.0029273	.0028288	.0009837	.0009640	.15635	.0010786
%RSD	3.103834	35.56268	1.218142	6.229868	7.534535	.6140537	.2735554
#1	.0361837	.0111501	.2307462	.0154860	.0121700	25.28337	.3942361
#2	.0378218	.0082480	.2354800	.0149945	.0139045	25.52863	.3954119
#3	.0384336	.0052957	.2304300	.0168901	.0123083	25.57399	.3932577

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025531	.0025353	527.5334	.0473093	.0737200	.2207117	77.94114
Stddev	.0000433	.0000712	1.6253	.0010182	.0003768	.0040502	.29512
%RSD	1.695915	2.808253	.3080977	2.152126	.5110752	1.835073	.3786411
#1	.0025767	.0024538	525.6711	.0463133	.0739762	.2166506	77.60192
#2	.0025032	.0025665	528.2629	.0483483	.0738965	.2247509	78.13890
#3	.0025795	.0025856	528.6662	.0472664	.0732874	.2207336	78.08259

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.51816	19.06584	.0713243	.0044529	-1.03695	.0628346	.3042279
Stddev	.03091	.15878	.0011933	.0017036	.73002	.0053993	.0122325
%RSD	.2683810	.8328102	1.673132	38.25929	70.40124	8.592959	4.020842
#1	11.48472	18.88268	.0711161	.0064096	-1.87991	.0639490	.3102653
#2	11.52405	19.16468	.0702488	.0036508	-.61407	.0675897	.3122679
#3	11.54570	19.15015	.0726081	.0032983	-.61687	.0569650	.2901504

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.877915	4.427597	-.002759	.0090856	.8590088	4.837912	.0200951
Stddev	.171639	.006209	.002782	.0005703	.0084221	.039310	.0021203
%RSD	9.139877	.1402329	100.8379	6.276571	.9804435	.8125385	10.55149
#1	2.021660	4.422621	-.003567	.0093964	.8521025	4.792850	.0178323
#2	1.924207	4.425616	-.005048	.0094329	.8683914	4.865166	.0220362
#3	1.687877	4.434555	.000338	.0084274	.8565325	4.855721	.0204167

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4979-14DLX2 Acquired: 12/23/2024 17:53:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJA2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3187857	.3129050	.0318472
Stddev	.0037745	.0009627	.0020612
%RSD	1.184025	.3076598	6.472275
#1	.3146715	.3119197	.0317594
#2	.3195970	.3138433	.0339510
#3	.3220885	.3129520	.0298313

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2206.078	28981.97	2420.074	1889.548	1705.760
Stddev	1.156	87.32	22.766	7.405	.929
%RSD	.0524121	.3012932	.9407145	.3918860	.0544843
#1	2204.766	29077.22	2446.251	1897.476	1705.577
#2	2206.518	28963.00	2404.895	1888.356	1704.935
#3	2206.949	28905.70	2409.076	1882.811	1706.766

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4979-16DLX5 Acquired: 12/23/2024 17:57:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJA4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009327	.0177450	.0528372	-.016856	.0026297	5.702700	.1320265
Stddev	.0006755	.0017242	.0037121	.002135	.0022007	.053151	.0020531
%RSD	72.42323	9.716261	7.025494	12.66747	83.68655	.9320351	1.555046
#1	.0002650	.0163215	.0546134	-.018455	.0018752	5.720586	.1318812
#2	.0016158	.0196621	.0553275	-.014431	.0009055	5.744601	.1341484
#3	.0009174	.0172512	.0485708	-.017681	.0051084	5.642913	.1300500

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006667	.0005538	391.1175	.0103351	.0471602	.0641508	30.42196
Stddev	.0000444	.0000103	3.8141	.0005763	.0006831	.0029734	.30555
%RSD	6.657854	1.854769	.9751825	5.576417	1.448441	4.635022	1.004363
#1	.0006511	.0005547	390.1156	.0097760	.0479443	.0664220	30.15482
#2	.0007168	.0005636	395.3326	.0109272	.0468426	.0607853	30.75512
#3	.0006323	.0005431	387.9043	.0103020	.0466938	.0652450	30.35595

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.093490	6.989529	.0188217	.0033202	-1.14070	.0116487	.0746953
Stddev	.053928	.194578	.0005313	.0010813	.74686	.0039331	.0132093
%RSD	1.058755	2.783843	2.822674	32.56754	65.47364	33.76480	17.68426
#1	5.082765	7.017865	.0193081	.0039629	-.31458	.0071390	.0797692
#2	5.151975	7.168385	.0189022	.0020718	-1.76810	.0143691	.0846155
#3	5.045732	6.782337	.0182547	.0039259	-1.33943	.0134379	.0597014

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.025897	1.263697	-.006095	.0044129	.2535802	2.083267	.0073320
Stddev	.132980	.003655	.002724	.0002320	.0045061	.019112	.0023356
%RSD	513.4862	.2892300	44.69568	5.258004	1.776987	.9174286	31.85536
#1	-.146146	1.264601	-.009173	.0041614	.2566861	2.091219	.0100161
#2	.116924	1.259675	-.003996	.0044585	.2484121	2.097119	.0062179
#3	-.048470	1.266815	-.005116	.0046187	.2556426	2.061462	.0057621

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4979-16DLX5 Acquired: 12/23/2024 17:57:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJA4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0644568	.1957536	.0028274
Stddev	.0014886	.0017271	.0061235
%RSD	2.309471	.8822750	216.5751
#1	.0642472	.1958648	.0030606
#2	.0660391	.1974224	.0088311
#3	.0630841	.1939736	-.003409

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2060.239	26882.11	2214.338	1761.711	1757.176
Stddev	9.033	88.49	16.213	10.535	4.860
%RSD	.4384374	.3291716	.7321845	.5980063	.2765797
#1	2053.796	26958.34	2217.106	1768.250	1752.804
#2	2070.564	26902.92	2196.918	1767.326	1762.409
#3	2056.357	26785.07	2228.988	1749.558	1756.314

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4980-03DLX5 Acquired: 12/23/2024 18:01:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ72 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057370	.0273425	.1641073	-.021582	.0024640	4.692069	.0442297
Stddev	.0010654	.0018230	.0015959	.006052	.0008477	.064492	.0017201
%RSD	18.57021	6.667179	.9724882	28.04120	34.40270	1.374492	3.889081
#1	.0046292	.0258511	.1650609	-.028487	.0017561	4.757707	.0441225
#2	.0058275	.0293747	.1622648	-.017203	.0034034	4.689713	.0460008
#3	.0067542	.0268017	.1649961	-.019055	.0022325	4.628788	.0425656

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007219	.0026029	387.1262	.0134872	.0426225	.0339332	23.04519
Stddev	.0001195	.0002101	4.8409	.0005856	.0006636	.0051505	.30104
%RSD	16.55369	8.071074	1.250472	4.341902	1.556939	15.17831	1.306307
#1	.0006412	.0028223	390.7082	.0139598	.0433455	.0335852	23.15006
#2	.0008592	.0024036	389.0516	.0128320	.0424811	.0289656	23.27976
#3	.0006653	.0025828	381.6189	.0136697	.0420411	.0392489	22.70573

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.782077	217.7175	.0218890	.0009018	-1.74912	.0150784	.5913069
Stddev	.035281	2.0756	.0005475	.0012701	.70239	.0073192	.0120487
%RSD	1.268154	.9533657	2.501132	140.8356	40.15678	48.54094	2.037639
#1	2.808799	218.7227	.0218923	.0020888	-2.30944	.0234124	.5776510
#2	2.795348	219.0992	.0224349	-.000438	-1.97678	.0096952	.5958311
#3	2.742085	215.3306	.0213400	.001054	-.96114	.0121276	.6004388

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8623212	.6205152	.0115607	.0028469	4.888891	1.852058	.0164072
Stddev	.0668927	.0025199	.0011744	.0005251	.007890	.019058	.0008413
%RSD	7.757283	.4060994	10.15820	18.44387	.1613857	1.029019	5.127464
#1	.7883014	.6176063	.0123812	.0023179	4.887477	1.857377	.0164928
#2	.9184475	.6220299	.0120856	.0028550	4.881803	1.867892	.0155264
#3	.8802148	.6219095	.0102155	.0033679	4.897392	1.830906	.0172024

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4980-03DLX5 Acquired: 12/23/2024 18:01:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ72 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0631361	.1084760	.0104651
Stddev	.0047579	.0020535	.0036918
%RSD	7.535903	1.893083	35.27692
#1	.0590341	.1104928	.0083025
#2	.0683522	.1085477	.0083650
#3	.0620221	.1063876	.0147279

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2003.054	26435.72	2153.862	1722.984	1693.400
Stddev	3.755	163.03	24.835	5.561	2.063
%RSD	.1874838	.6167024	1.153037	.3227272	.1218425
#1	2001.878	26268.91	2131.793	1718.716	1692.853
#2	2007.256	26594.68	2149.039	1729.272	1695.682
#3	2000.027	26443.57	2180.755	1720.965	1691.666

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4980-10DLX5 Acquired: 12/23/2024 18:05:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ86 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0605850	.0228003	.1700087	-.023223	.0049516	6.103151	.1350925
Stddev	.0035335	.0061664	.0055074	.004359	.0006976	.031139	.0003332
%RSD	5.832281	27.04520	3.239468	18.77012	14.08815	.5102078	.2466549
#1	.0630040	.0219210	.1669661	-.024793	.0055355	6.123395	.1347280
#2	.0622211	.0293592	.1666939	-.026580	.0051403	6.118763	.1353814
#3	.0565300	.0171208	.1763661	-.018297	.0041791	6.067294	.1351682

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008278	.0055968	339.4136	.0145827	.0440914	.0371306	26.49095
Stddev	.0002196	.0002049	.9030	.0006718	.0003974	.0037912	.07979
%RSD	26.52605	3.660715	.2660499	4.606708	.9013330	10.21056	.3011813
#1	.0008093	.0058111	338.5178	.0140318	.0436611	.0327854	26.41786
#2	.0010561	.0055764	340.3236	.0143851	.0441682	.0397645	26.57607
#3	.0006181	.0054028	339.3993	.0153311	.0444447	.0388418	26.47893

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.257891	181.8377	.0233745	.0010669	-.817469	.0232840	1.286003
Stddev	.007942	.6696	.0007933	.0005653	.479359	.0070472	.020421
%RSD	.3517393	.3682195	3.393798	52.98266	58.63938	30.26644	1.587918
#1	2.249948	181.2897	.0224617	.0016440	-.402360	.0214743	1.283503
#2	2.265832	182.5840	.0238976	.0010423	-1.34212	.0310597	1.266948
#3	2.257895	181.6394	.0237642	.0005143	-.70793	.0173181	1.307559

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7307005	.5939440	.0072030	.0039002	4.424863	2.260749	.0093082
Stddev	.0980866	.0034440	.0020497	.0005297	.025745	.015985	.0014886
%RSD	13.42364	.5798470	28.45667	13.58188	.5818235	.7070712	15.99215
#1	.6383791	.5901499	.0054680	.0045095	4.395136	2.279194	.0076302
#2	.7200409	.5968729	.0094646	.0036413	4.439535	2.252122	.0104700
#3	.8336816	.5948092	.0066763	.0035497	4.439918	2.250931	.0098244

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4980-10DLX5 Acquired: 12/23/2024 18:05:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ86 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0794060	.1092927	.0107353
Stddev	.0034369	.0002632	.0025799
%RSD	4.328298	.2407930	24.03204
#1	.0825856	.1090344	.0094238
#2	.0798728	.1092833	.0090746
#3	.0757595	.1095604	.0137075

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2003.986	26420.89	2179.962	1718.547	1696.632
Stddev	4.296	109.25	14.107	5.232	2.817
%RSD	.2143683	.4134977	.6471170	.3044147	.1660054
#1	2008.892	26521.69	2171.885	1723.220	1699.878
#2	2002.168	26304.80	2171.751	1712.896	1694.832
#3	2000.899	26436.18	2196.251	1719.526	1695.187

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4980-16DLX5 Acquired: 12/23/2024 18:09:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ90 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016155	.0211714	.1555485	-.019017	.0039210	9.235031	.1018236
Stddev	.0019151	.0013817	.0001157	.001919	.0032595	.070679	.0008791
%RSD	118.5441	6.526176	.0743937	10.09296	83.13156	.7653352	.8633669
#1	.0037472	.0195780	.1554206	-.016894	.0065176	9.183153	.1009831
#2	.0000401	.0218984	.1556459	-.020630	.0049822	9.315532	.1027368
#3	.0010592	.0220378	.1555790	-.019528	.0002630	9.206409	.1017508

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013633	.0059101	336.7644	.0162205	.0481439	.0444994	30.29759
Stddev	.0000766	.0001187	1.2856	.0003119	.0002583	.0041049	.03985
%RSD	5.617471	2.008162	.3817440	1.922648	.5365787	9.224553	.1315377
#1	.0012933	.0058616	335.3695	.0163963	.0483783	.0398221	30.25915
#2	.0014451	.0058234	337.9017	.0164047	.0478669	.0475029	30.33872
#3	.0013516	.0060454	337.0220	.0158604	.0481864	.0461732	30.29489

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.498647	154.5052	.0309664	.0018769	-1.58886	.0247675	.7513950
Stddev	.009064	1.0598	.0004783	.0007780	.61519	.0130789	.0064878
%RSD	.6048197	.6859180	1.544644	41.45096	38.71920	52.80643	.8634345
#1	1.488752	153.2946	.0311134	.0013923	-1.98556	.0342968	.7510515
#2	1.506549	155.2651	.0304318	.0014642	-.88018	.0301493	.7580477
#3	1.500640	154.9560	.0313539	.0027743	-1.90083	.0098564	.7450857

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.160694	.7325710	.0135246	.0033142	3.731418	2.387808	.0238188
Stddev	.125238	.0047748	.0018085	.0001006	.002914	.027596	.0023195
%RSD	10.78991	.6517885	13.37213	3.035644	.0780872	1.155700	9.738045
#1	1.061862	.7304731	.0115277	.0032457	3.728057	2.379831	.0264502
#2	1.118684	.7292044	.0139938	.0032673	3.733238	2.418513	.0220709
#3	1.301536	.7380356	.0150523	.0034297	3.732959	2.365078	.0229353

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4980-16DLX5 Acquired: 12/23/2024 18:09:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ90 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1201139	.1589147	.0168434
Stddev	.0063104	.0004581	.0041914
%RSD	5.253663	.2882676	24.88435
#1	.1155655	.1585003	.0187751
#2	.1273181	.1588373	.0197206
#3	.1174581	.1594066	.0120345

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2005.387	26515.53	2188.316	1729.365	1691.741
Stddev	4.340	81.99	17.618	7.062	1.818
%RSD	.2164014	.3092223	.8051069	.4083861	.1074621
#1	2009.543	26453.39	2188.277	1734.765	1693.680
#2	2000.884	26608.45	2170.718	1731.958	1690.074
#3	2005.732	26484.73	2205.954	1721.373	1691.470

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4980-17DLX5 Acquired: 12/23/2024 18:13:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001144	.0218834	.1001292	-.022716	.0022613	4.694074	.0365601
Stddev	.003528	.0023040	.0005341	.005653	.0052613	.037639	.0019672
%RSD	308.2995	10.52848	.5333613	24.88635	232.6688	.8018367	5.380812
#1	-.004009	.0198849	.0995302	-.016826	-.003540	4.710262	.0358332
#2	-.002220	.0213618	.1005555	-.028098	.006725	4.720910	.0387874
#3	.002796	.0244034	.1003020	-.023224	.003598	4.651049	.0350598

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006381	.0011312	453.5277	.0125897	.0456604	.0333369	25.31832
Stddev	.0001096	.0000461	4.8618	.0004144	.0003140	.0021044	.19989
%RSD	17.17987	4.079410	1.071993	3.291473	.6876604	6.312580	.7895250
#1	.0005707	.0011809	458.6917	.0130682	.0458158	.0355571	25.47026
#2	.0005791	.0010896	452.8526	.0123559	.0458665	.0330822	25.39283
#3	.0007646	.0011231	449.0387	.0123452	.0452991	.0313714	25.09187

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.553243	243.9532	.0208744	.0008310	-1.48101	.0059413	.2274061
Stddev	.021844	2.7829	.0003145	.0006356	.78607	.0046389	.0040053
%RSD	.8555356	1.140771	1.506611	76.48530	53.07642	78.07925	1.761307
#1	2.567509	246.5519	.0212014	.0009943	-.64340	.0028093	.2319359
#2	2.564123	244.2911	.0208474	.0001297	-2.20266	.0037440	.2243330
#3	2.528095	241.0168	.0205742	.0013690	-1.59698	.0112706	.2259494

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.408243	.4405781	.0181419	.0026596	5.664354	2.327144	.0103617
Stddev	.214565	.0023266	.0024663	.0009996	.014326	.024283	.0004377
%RSD	15.23639	.5280814	13.59417	37.58608	.2529139	1.043457	4.224607
#1	1.652706	.4392965	.0198757	.0031594	5.657618	2.344134	.0099948
#2	1.251126	.4391742	.0153185	.0015086	5.654638	2.337967	.0102440
#3	1.320898	.4432638	.0192316	.0033107	5.680806	2.299332	.0108462

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4980-17DLX5 Acquired: 12/23/2024 18:13:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0314786	.1514442	.0100129
Stddev	.0035091	.0019775	.0012568
%RSD	11.14772	1.305745	12.55177
#1	.0349694	.1536218	.0095305
#2	.0279514	.1509505	.0114394
#3	.0315152	.1497604	.0090687

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1976.700	26005.64	2169.342	1695.912	1651.054
Stddev	1.664	108.81	27.407	5.694	1.254
%RSD	.0842010	.4183925	1.263372	.3357429	.0759382
#1	1977.364	25888.18	2143.030	1689.547	1651.362
#2	1977.929	26102.99	2167.270	1697.668	1652.125
#3	1974.806	26025.75	2197.726	1700.521	1649.675

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4982-05DLX5 Acquired: 12/23/2024 18:17:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ37 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0226031	.0209468	.3716582	-.018030	.0060458	5.897618	.1377004
Stddev	.0086974	.0019438	.0024688	.003669	.0014482	.026967	.0014637
%RSD	38.47890	9.279559	.6642547	20.34997	23.95419	.4572523	1.062948
#1	.0326283	.0188573	.3742495	-.020741	.0047539	5.869512	.1361416
#2	.0170741	.0212820	.3713915	-.019493	.0057722	5.923279	.1379140
#3	.0181069	.0227013	.3693336	-.013855	.0076113	5.900062	.1390455

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009900	.0019697	334.3900	.0132414	.0446768	.0478666	25.80582
Stddev	.0001259	.0001366	1.1263	.0012027	.0005665	.0052376	.09185
%RSD	12.71462	6.933928	.3368253	9.082489	1.268061	10.94200	.3559151
#1	.0008487	.0018749	333.1206	.0143392	.0441764	.0536627	25.74587
#2	.0010310	.0021263	335.2699	.0134290	.0445620	.0434733	25.76002
#3	.0010902	.0019080	334.7794	.0119560	.0452919	.0464638	25.91156

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.316658	40.63615	.0235315	.0016276	-1.63794	.0188023	.8472718
Stddev	.003623	.03281	.0004348	.0009550	.32030	.0015145	.0160977
%RSD	.1563776	.0807452	1.847572	58.67430	19.55535	8.055100	1.899943
#1	2.317792	40.60807	.0238742	.0023691	-1.29554	.0185101	.8550156
#2	2.319578	40.67222	.0236777	.0019637	-1.93025	.0204416	.8287657
#3	2.312604	40.62817	.0230424	.0005500	-1.68802	.0174551	.8580342

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.015824	.6131991	-.002831	.0041346	.7665672	1.609571	.0098603
Stddev	.121805	.0003460	.000828	.0013735	.0066971	.011187	.0010655
%RSD	769.7650	.0564208	29.25961	33.21997	.8736491	.6950179	10.80621
#1	.097826	.6135969	-.002966	.0056981	.7592319	1.600022	.0105108
#2	-.144408	.6130317	-.001944	.0031224	.7723554	1.621879	.0086306
#3	-.000889	.6129685	-.003584	.0035833	.7681144	1.606812	.0104395

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4982-05DLX5 Acquired: 12/23/2024 18:17:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ37 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1198300	.1746341	.0037550
Stddev	.0057349	.0012565	.0002215
%RSD	4.785838	.7195249	5.898616
#1	.1157418	.1731856	.0040102
#2	.1173626	.1752848	.0036421
#3	.1263856	.1754317	.0036128

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2065.326	27221.26	2221.234	1791.741	1766.403
Stddev	2.873	75.84	7.483	6.546	3.689
%RSD	.1390962	.2785986	.3368961	.3653631	.2088619
#1	2068.463	27159.25	2229.593	1784.359	1770.020
#2	2062.823	27305.81	2215.157	1794.026	1762.646
#3	2064.692	27198.72	2218.952	1796.839	1766.543

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4982-15DLX5 Acquired: 12/23/2024 18:21:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJE9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006336	.0255890	.0239070	-.022070	.0039486	7.279945	.1139026
Stddev	.004903	.0030226	.0012878	.003073	.0039360	.026499	.0013753
%RSD	77.38642	11.81200	5.386596	13.92610	99.68098	.3640032	1.207393
#1	-.006623	.0260230	.0249155	-.019658	.0083670	7.273431	.1142989
#2	-.011090	.0283711	.0243491	-.025530	.0008171	7.309093	.1123727
#3	-.001296	.0223729	.0224564	-.021021	.0026617	7.257310	.1150361

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005279	.0004352	348.0983	.0110267	.0447438	.0323766	24.10949
Stddev	.0000680	.0000965	.4110	.0007535	.0006305	.0040193	.09009
%RSD	12.87663	22.18240	.1180817	6.832937	1.409170	12.41405	.3736502
#1	.0004512	.0003881	347.7725	.0118131	.0448591	.0361934	24.04856
#2	.0005807	.0003712	347.9624	.0109558	.0440636	.0327547	24.06695
#3	.0005518	.0005462	348.5601	.0103112	.0453088	.0281817	24.21297

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.183944	15.72498	.0190209	.0020932	-1.13400	.0196697	.0453291
Stddev	.002629	.01052	.0004018	.0008179	.46225	.0071874	.0084383
%RSD	.0825548	.0669187	2.112405	39.07310	40.76246	36.54047	18.61567
#1	3.185233	15.72453	.0193786	.0016900	-.75652	.0250094	.0438379
#2	3.180920	15.73572	.0185862	.0015552	-.99594	.0114976	.0544137
#3	3.185678	15.71469	.0190980	.0030344	-1.64955	.0225019	.0377358

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1618295	.8982922	-.001056	.0018135	.2264604	1.865390	.0047267
Stddev	.0596994	.0037460	.001761	.0005357	.0063049	.009365	.0016946
%RSD	36.89031	.4170129	166.7972	29.53853	2.784099	.5020465	35.85155
#1	.1932370	.8980732	-.001474	.0023549	.2318357	1.854640	.0053545
#2	.0929826	.8946604	-.002571	.0012837	.2280248	1.871778	.0060178
#3	.1992689	.9021428	.000877	.0018020	.2195205	1.869753	.0028078

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4982-15DLX5 Acquired: 12/23/2024 18:21:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJE9 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1336103	.1877428	.0045604
Stddev	.0025151	.0005535	.0044469
%RSD	1.882434	.2948125	97.51124
#1	.1357562	.1877865	-.000452
#2	.1308426	.1871687	.008030
#3	.1342321	.1882731	.006103

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2054.576	26926.17	2208.888	1768.536	1766.309
Stddev	2.007	211.81	5.146	10.813	1.845
%RSD	.0976608	.7866444	.2329512	.6113850	.1044293
#1	2056.319	26759.54	2205.955	1767.359	1767.012
#2	2055.025	27164.54	2214.829	1779.889	1767.699
#3	2052.382	26854.43	2205.879	1758.360	1764.216

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4982-16DLX5 Acquired: 12/23/2024 18:24:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011489	.0231043	.0906633	-.022388	.0055530	8.664271	.1426636
Stddev	.0060340	.0009636	.0030849	.000592	.0029060	.048648	.0009306
%RSD	525.2159	4.170529	3.402582	2.643681	52.33179	.5614725	.6522683
#1	.0063828	.0235678	.0873997	-.022932	.0081954	8.677331	.1427698
#2	.0025148	.0219965	.0935314	-.021757	.0024406	8.610427	.1416844
#3	-.005451	.0237485	.0910586	-.022475	.0060231	8.705056	.1435364

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006892	.0006221	545.5678	.0123917	.0521600	.0261224	29.53548
Stddev	.0000434	.0001063	1.5207	.0004670	.0005052	.0041996	.04830
%RSD	6.297997	17.08707	.2787336	3.768783	.9686165	16.07666	.1635249
#1	.0007387	.0005702	546.6087	.0128501	.0522642	.0218745	29.58910
#2	.0006575	.0005517	543.8227	.0124083	.0526050	.0302719	29.49539
#3	.0006715	.0007443	546.2721	.0119166	.0516108	.0262207	29.52195

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.814508	24.22157	.0218252	.0011876	-1.76879	.0161265	.0678452
Stddev	.023787	.20716	.0005138	.0004005	.29092	.0070007	.0114030
%RSD	.4940793	.8552577	2.353960	33.72211	16.44763	43.41142	16.80732
#1	4.833459	24.38887	.0219429	.0012519	-1.44355	.0096620	.0731672
#2	4.787813	23.98986	.0222699	.0015520	-1.85860	.0235621	.0547542
#3	4.822252	24.28598	.0212628	.0007589	-2.00423	.0151554	.0756142

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2235889	1.108999	-.004211	.0020056	.3098742	1.871246	.0103254
Stddev	.1269002	.002092	.000564	.0007247	.0027718	.004652	.0008936
%RSD	56.75602	.1886127	13.39276	36.13518	.8945018	.2485946	8.654610
#1	.0798386	1.107164	-.004389	.0017907	.3068597	1.876552	.0113551
#2	.2708562	1.108558	-.004664	.0014126	.3123130	1.867868	.0097530
#3	.3200719	1.111277	-.003579	.0028135	.3104499	1.869319	.0098681

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P4982-16DLX5 Acquired: 12/23/2024 18:24:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1524840	.2716635	.0062823
Stddev	.0030215	.0007260	.0051675
%RSD	1.981498	.2672346	82.25474
#1	.1527913	.2719379	.0003187
#2	.1493206	.2722122	.0090934
#3	.1553400	.2708403	.0094350

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2054.959	26931.27	2232.617	1769.306	1720.552
Stddev	3.967	95.57	9.154	8.508	1.359
%RSD	.1930634	.3548645	.4099979	.4808794	.0789640
#1	2057.128	26839.62	2222.112	1761.231	1720.827
#2	2050.380	26923.88	2238.880	1768.498	1719.077
#3	2057.369	27030.33	2236.860	1778.190	1721.752

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5008-02DLX5 Acquired: 12/23/2024 18:28:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJJ1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006893	.0264219	.1036589	-.022874	.0012420	2.581575	.0292457
Stddev	.004469	.0029227	.0027456	.005176	.0034332	.007291	.0013540
%RSD	64.83191	11.06176	2.648660	22.62966	276.4203	.2824228	4.629769
#1	-.010482	.0288619	.1010295	-.017229	.0001943	2.574070	.0304199
#2	-.001888	.0272211	.1065075	-.023994	.0050770	2.582023	.0277646
#3	-.008310	.0231827	.1034397	-.027398	-.001545	2.588631	.0295526

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004618	.0020878	369.3511	.0088495	.0417532	.0134405	18.00434
Stddev	.0000880	.0001190	1.5519	.0012960	.0006105	.0108501	.06258
%RSD	19.06043	5.700875	.4201697	14.64475	1.462179	80.72706	.3475752
#1	.0003625	.0022230	370.9368	.0097862	.0415588	.0010116	18.05875
#2	.0004926	.0019991	367.8353	.0073705	.0424372	.0210210	17.93596
#3	.0005303	.0020412	369.2813	.0093919	.0412635	.0182888	18.01832

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.169048	211.2909	.0126973	.0008239	-1.39631	.0132469	.4506616
Stddev	.010796	1.0545	.0012656	.0009390	1.03705	.0036682	.0101771
%RSD	.4977083	.4990629	9.967737	113.9659	74.27103	27.69120	2.258259
#1	2.181413	212.4012	.0122120	.0019069	-2.50151	.0110788	.4415446
#2	2.164229	210.3030	.0141338	.0002368	-1.24292	.0111798	.4487988
#3	2.161501	211.1684	.0117462	.0003280	-.44449	.0174822	.4616414

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4554634	.3325242	.0090548	.0026794	3.399589	1.532068	.0177411
Stddev	.1021573	.0010877	.0015911	.0006932	.002072	.009750	.0010457
%RSD	22.42930	.3271126	17.57141	25.87115	.0609434	.6364031	5.893955
#1	.5554976	.3337761	.0076815	.0029705	3.400306	1.541652	.0187741
#2	.3513078	.3319860	.0107984	.0018881	3.397254	1.522160	.0166832
#3	.4595847	.3318105	.0086845	.0031796	3.401208	1.532391	.0177660

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5008-02DLX5 Acquired: 12/23/2024 18:28:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJJ1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0215785	.0982554	.0034053
Stddev	.0068394	.0001775	.0031597
%RSD	31.69549	.1806926	92.78749
#1	.0194054	.0981370	.0001185
#2	.0160896	.0981697	.0036769
#3	.0292404	.0984596	.0064204

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1980.491	26243.33	2141.887	1708.454	1682.653
Stddev	7.437	174.24	12.501	13.373	3.027
%RSD	.3755091	.6639214	.5836414	.7827751	.1799154
#1	1983.758	26277.47	2130.056	1709.931	1683.198
#2	1971.980	26054.55	2140.641	1694.403	1679.391
#3	1985.735	26397.97	2154.964	1721.027	1685.372

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5008-03DLX5 Acquired: 12/23/2024 18:32:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJJ3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006588	.0239341	.0831343	-.027282	.0048211	2.092789	.0515776
Stddev	.0025659	.0028377	.0020080	.001557	.0020763	.013461	.0010544
%RSD	389.4796	11.85624	2.415333	5.707520	43.06622	.6431880	2.044257
#1	-.000925	.0239403	.0848069	-.029075	.0071875	2.093727	.0526407
#2	-.000717	.0210934	.0809074	-.026265	.0033051	2.078884	.0515600
#3	.003619	.0267688	.0836886	-.026507	.0039706	2.105756	.0505321

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005163	.0011742	406.4793	.0068278	.0427413	.0202370	18.44085
Stddev	.0000813	.0001988	1.3190	.0005156	.0004960	.0047089	.03997
%RSD	15.74160	16.93308	.3244830	7.551236	1.160389	23.26899	.2167640
#1	.0004235	.0009865	404.9678	.0072002	.0433050	.0254309	18.39674
#2	.0005749	.0011535	407.3968	.0062393	.0425467	.0190335	18.45115
#3	.0005505	.0013825	407.0734	.0070439	.0423721	.0162466	18.47467

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.333547	230.2255	.0118840	.0008289	-.737505	.0055717	.2468732
Stddev	.008605	.6767	.0003246	.0008820	.747251	.0126021	.0127078
%RSD	.3687699	.2939333	2.731000	106.4024	101.3214	226.1807	5.147499
#1	2.332657	229.4583	.0117803	-.000188	-.971743	.0187854	.2533689
#2	2.325421	230.4808	.0116241	.001285	.098803	.0042434	.2550203
#3	2.342563	230.7375	.0122478	.001389	-1.33958	-.006314	.2322306

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4504427	.2353978	.0082981	.0028320	3.831516	1.329660	.0068418
Stddev	.2572071	.0023870	.0011284	.0003046	.003180	.004212	.0006967
%RSD	57.10095	1.014046	13.59874	10.75670	.0829892	.3168014	10.18359
#1	.1661581	.2334686	.0094793	.0025148	3.834729	1.324892	.0076364
#2	.6670308	.2346576	.0081840	.0031223	3.828371	1.331210	.0065534
#3	.5181392	.2380673	.0072311	.0028588	3.831447	1.332878	.0063356

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5008-03DLX5 Acquired: 12/23/2024 18:32:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJJ3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0131964	.1083045	-.001472
Stddev	.0037222	.0003315	.002711
%RSD	28.20582	.3060529	184.1502
#1	.0174416	.1079375	.001302
#2	.0116553	.1083939	-.004116
#3	.0104923	.1085821	-.001603

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1962.389	25827.64	2131.022	1683.279	1664.981
Stddev	2.605	46.39	7.927	2.632	2.711
%RSD	.1327591	.1796185	.3719745	.1563615	.1628178
#1	1959.384	25799.22	2128.625	1681.107	1662.001
#2	1964.016	25802.54	2124.571	1682.524	1667.300
#3	1963.766	25881.18	2139.871	1686.206	1665.642

Reviewed By:Mohan
On:12/25/2024
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Inst Id :P5

Sample Name: P5008-04DLX5 Acquired: 12/23/2024 18:36:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJJ4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005392	.0284961	.3428788	-.027982	.0019532	1.849447	.0169262
Stddev	.003198	.0099637	.0003997	.003763	.0023027	.044669	.0011402
%RSD	59.30839	34.96516	.1165861	13.44914	117.8941	2.415248	6.736368
#1	-.006055	.0236701	.3426340	-.023933	.0003828	1.832293	.0170806
#2	-.008207	.0218643	.3433401	-.028640	.0008802	1.815898	.0179814
#3	-.001915	.0399538	.3426623	-.031373	.0045966	1.900150	.0157167

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003907	.0021180	400.9978	.0060913	.0415626	.0140085	19.11426
Stddev	.0001774	.0001023	1.6440	.0009120	.0006374	.0059930	.06186
%RSD	45.41367	4.831638	.4099824	14.97232	1.533624	42.78135	.3236367
#1	.0002095	.0020740	399.6815	.0054139	.0410097	.0072886	19.05477
#2	.0005640	.0020451	402.8406	.0071283	.0414183	.0187997	19.17825
#3	.0003985	.0022350	400.4714	.0057316	.0422597	.0159372	19.10976

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.434269	226.7441	.0104844	.0009095	-1.68723	.0157431	.4024766
Stddev	.009964	.7858	.0006136	.0015893	.16661	.0085271	.0025201
%RSD	.4093367	.3465602	5.852137	174.7575	9.874993	54.16403	.6261503
#1	2.425023	226.2362	.0106273	-.000898	-1.49798	.0183129	.4052008
#2	2.444823	227.6492	.0098121	.002089	-1.75188	.0062266	.4020005
#3	2.432962	226.3468	.0110140	.001538	-1.81183	.0226897	.4002285

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4038307	.2047228	.0060053	.0022968	4.996913	1.208607	.0061608
Stddev	.1237583	.0007154	.0025671	.0009255	.004010	.009544	.0015689
%RSD	30.64608	.3494618	42.74638	40.29541	.0802538	.7896987	25.46615
#1	.4391596	.2049742	.0059355	.0024116	4.992363	1.200362	.0045142
#2	.5060829	.2039157	.0086066	.0013193	4.998442	1.219063	.0063298
#3	.2662496	.2052787	.0034739	.0031597	4.999934	1.206396	.0076384

Reviewed By:Mohan
On:12/25/2024
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Inst Id :P5

Sample Name: P5008-04DLX5 Acquired: 12/23/2024 18:36:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJJ4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0080596	.1036663	-.001116
Stddev	.0037114	.0004663	.004007
%RSD	46.04919	.4498189	358.9712
#1	.0113432	.1031356	-.005108
#2	.0088029	.1040105	-.001148
#3	.0040329	.1038529	.002907

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1967.820	25909.71	2144.393	1685.646	1665.735
Stddev	3.498	56.83	16.036	9.275	2.406
%RSD	.1777674	.2193468	.7478331	.5502290	.1444689
#1	1964.583	25895.73	2154.954	1676.623	1664.339
#2	1971.531	25861.18	2125.940	1685.162	1668.514
#3	1967.347	25972.23	2152.285	1695.154	1664.352

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5008-05DLX5 Acquired: 12/23/2024 18:40:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJJ5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001754	.0292548	.0714621	-.027320	.0052688	1.966409	.0165149
Stddev	.007529	.0015165	.0054422	.006557	.0007328	.025391	.0020055
%RSD	429.2260	5.183803	7.615546	24.00119	13.90860	1.291212	12.14343
#1	.000986	.0302044	.0694556	-.022657	.0056176	1.993899	.0150441
#2	.004021	.0300543	.0776227	-.024486	.0057621	1.943838	.0157012
#3	-.010270	.0275059	.0673080	-.034818	.0044268	1.961490	.0187993

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003757	.0186755	418.7312	.0068313	.0423623	.0194529	18.92598
Stddev	.0000860	.0000826	.7962	.0006851	.0004296	.0108785	.13553
%RSD	22.88863	.4423436	.1901445	10.02908	1.014055	55.92205	.7161005
#1	.0002850	.0186403	419.6488	.0075885	.0421014	.0070307	18.90387
#2	.0003859	.0186164	418.3216	.0066513	.0421274	.0240495	19.07121
#3	.0004561	.0187699	418.2231	.0062542	.0428581	.0272786	18.80287

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.454974	234.9157	.0098374	.0012096	-1.59853	.0028560	3.852280
Stddev	.009342	.9821	.0007622	.0013931	.56441	.0166762	.029183
%RSD	.3805497	.4180559	7.748197	115.1664	35.30825	583.8986	.7575629
#1	2.465439	235.9520	.0106580	-.000121	-2.24376	-.000013	3.833072
#2	2.452010	234.7963	.0097026	.001092	-1.19643	.020781	3.885862
#3	2.447473	233.9988	.0091515	.002658	-1.35539	-.012200	3.837906

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3193399	.2093327	.0089925	.0036428	5.622400	1.260976	.0100429
Stddev	.0758014	.0022090	.0007031	.0006370	.021818	.003038	.0021429
%RSD	23.73690	1.055261	7.818540	17.48653	.3880619	.2408983	21.33741
#1	.4059523	.2089887	.0086966	.0039530	5.599235	1.264182	.0087107
#2	.2869681	.2073159	.0097952	.0029101	5.642560	1.258141	.0089031
#3	.2650992	.2116936	.0084857	.0040652	5.625406	1.260604	.0125148

Reviewed By:Mohan
On:12/25/2024
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Inst Id :P5

Sample Name: P5008-05DLX5 Acquired: 12/23/2024 18:40:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJJ5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0138904	.1115539	-.002674
Stddev	.0026093	.0004794	.002096
%RSD	18.78460	.4297054	78.35603
#1	.0117930	.1119952	-.001472
#2	.0130658	.1110439	-.001457
#3	.0168123	.1116226	-.005094

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1932.187	25410.79	2099.174	1655.376	1631.970
Stddev	4.890	15.80	11.434	7.251	4.875
%RSD	.2530689	.0621869	.5447029	.4380303	.2987094
#1	1936.924	25405.59	2086.600	1655.929	1636.259
#2	1927.157	25398.24	2108.949	1647.864	1626.668
#3	1932.481	25428.54	2101.973	1662.334	1632.983

Reviewed By:Mohan
On:12/25/2024
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Inst Id :P5

Sample Name: P5008-06DLX5 Acquired: 12/23/2024 18:44:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJJ6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008676	.0226404	.0944708	-.032731	.0021269	4.451889	.0811229
Stddev	.004714	.0059048	.0018119	.005391	.0019453	.041038	.0016150
%RSD	54.33664	26.08070	1.917927	16.47145	91.45956	.9218180	1.990773
#1	-.010056	.0203426	.0962458	-.038853	.0043041	4.405148	.0793247
#2	-.003426	.0293487	.0926242	-.028692	.0005597	4.482014	.0815942
#3	-.012547	.0182300	.0945425	-.030648	.0015170	4.468503	.0824498

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005323	.0014468	399.9398	.0089355	.0415246	.0185599	17.95015
Stddev	.0000474	.0002024	2.1771	.0011417	.0003250	.0068211	.14571
%RSD	8.907792	13.98858	.5443664	12.77704	.7825879	36.75210	.8117479
#1	.0005868	.0012689	397.4531	.0084091	.0416618	.0133035	17.78353
#2	.0005003	.0016670	401.5027	.0081520	.0411535	.0262680	18.01316
#3	.0005098	.0014046	400.8637	.0102455	.0417584	.0161082	18.05374

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.460626	191.5481	.0117640	.0007527	-1.25869	.0102571	.3186947
Stddev	.023361	1.0303	.0003556	.0011149	.54851	.0009830	.0106128
%RSD	.9494059	.5378594	3.022784	148.1298	43.57795	9.583704	3.330077
#1	2.435356	190.3601	.0120467	.0017663	-1.36521	.0113863	.3115157
#2	2.465088	192.1959	.0118805	-.000441	-1.74612	.0095923	.3308852
#3	2.481435	192.0883	.0113648	.000933	-.66473	.0097928	.3136831

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1885476	.3389806	.0069871	.0030204	3.309096	2.238938	.0063669
Stddev	.0725911	.0008056	.0005738	.0007197	.014024	.010114	.0024087
%RSD	38.50017	.2376667	8.212196	23.82799	.4237999	.4517257	37.83221
#1	.2536585	.3389422	.0074085	.0024546	3.323988	2.234036	.0083473
#2	.1102767	.3398047	.0063336	.0038304	3.296141	2.250569	.0036854
#3	.2017075	.3381948	.0072192	.0027762	3.307161	2.232210	.0070679

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5008-06DLX5 Acquired: 12/23/2024 18:44:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJJ6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1147140	.2399615	-.000647
Stddev	.0000620	.0014461	.004746
%RSD	.0540509	.6026351	733.7122
#1	.1146845	.2382998	-.004653
#2	.1146722	.2409346	.004595
#3	.1147852	.2406502	-.001883

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1961.832	25979.67	2144.821	1689.362	1665.091
Stddev	5.606	76.02	10.513	6.033	3.010
%RSD	.2857545	.2926277	.4901435	.3571164	.1807778
#1	1957.912	26062.96	2146.123	1696.135	1662.100
#2	1968.253	25962.05	2133.717	1684.564	1668.120
#3	1959.331	25914.01	2154.621	1687.387	1665.053

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5183-20ADLX2 Acquired: 12/23/2024 18:48:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZD8A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4622246	-.125572	.3200555	.2386648	.1061540	183.9073	.3382911
Stddev	.0028728	.003315	.0008298	.0033250	.0012954	.3021	.0016271
%RSD	.6215253	2.640221	.2592740	1.393178	1.220323	.1642690	.4809657
#1	.4597157	-.121746	.3191407	.2414436	.1047973	184.2495	.3376592
#2	.4653585	-.127583	.3207597	.2349810	.1062868	183.6778	.3370749
#3	.4615997	-.127389	.3202662	.2395700	.1073780	183.7945	.3401394

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0091249	.0107177	45.45790	2.233864	.3046100	5.353763	420.1484
Stddev	.0000772	.0001011	.15928	.006527	.0008565	.032041	1.0481
%RSD	.8458250	.9432726	.3503807	.2921972	.2811899	.5984833	.2494526
#1	.0090454	.0106028	45.64096	2.240609	.3041272	5.388692	421.2781
#2	.0091299	.0107933	45.38176	2.227579	.3041038	5.325733	419.2077
#3	.0091995	.0107569	45.35099	2.233404	.3055989	5.346864	419.9594

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.456250	139.1851	.5066699	.0087880	-.829030	1.012571	.7079383
Stddev	.019180	1.0326	.0005655	.0007269	.561301	.016202	.0106370
%RSD	.2572323	.7418801	.1116098	8.271586	67.70575	1.600115	1.502535
#1	7.477531	140.3548	.5072918	.0079991	-.861620	1.017054	.7085648
#2	7.440299	138.8008	.5065313	.0094306	-.252144	.994599	.6970019
#3	7.450920	138.3998	.5061867	.0089344	-1.37333	1.026060	.7182483

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6703665	2.177076	-.079826	-.000822	.3330764	7.326280	.0462852
Stddev	.1277364	.005174	.004894	.001054	.0056440	.028637	.0010134
%RSD	19.05471	.2376515	6.130385	128.2659	1.694518	.3908864	2.189557
#1	.5427411	2.178425	-.076121	-.000012	.3324964	7.355264	.0455108
#2	.6701450	2.171362	-.085373	-.000439	.3389881	7.325573	.0474322
#3	.7982136	2.181442	-.077984	-.002013	.3277448	7.298002	.0459127

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5183-20ADLX2 Acquired: 12/23/2024 18:48:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZD8A Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	6.569096	-.277067	.0696705
Stddev	.022876	.000249	.0020130
%RSD	.3482440	.0897404	2.889298
#1	6.594770	-.277314	.0676762
#2	6.561643	-.276816	.0696337
#3	6.550876	-.277072	.0717016

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2209.135	28921.21	2385.876	1901.142	1844.768
Stddev	3.491	149.41	16.091	5.571	2.815
%RSD	.1580306	.5165957	.6744416	.2930466	.1526060
#1	2207.209	28754.55	2368.431	1896.206	1844.178
#2	2213.165	29043.14	2389.059	1900.036	1847.832
#3	2207.031	28965.93	2400.138	1907.183	1842.295

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5009-04A Acquired: 12/23/2024 18:52:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJQ3A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0692813	.0130976	.1886873	.1476454	.0299546	66.99090
Stddev	.0019867	.0049091	.0029220	.0068575	.0038345	.21676
%RSD	2.867542	37.48095	1.548608	4.644593	12.80086	.3235722
#1	.0673447	.0148292	.1867491	.1479207	.0343770	66.76110
#2	.0713145	.0169063	.1872645	.1543611	.0275565	67.01988
#3	.0691848	.0075574	.1920482	.1406543	.0279304	67.19171

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7823254	.0053926	.0069907	231.7730	.1135590	.1302838
Stddev	.0017531	.0000602	.0001570	.7668	.0013025	.0006049
%RSD	.2240886	1.116881	2.245248	.3308621	1.146976	.4643172
#1	.7805054	.0054534	.0068154	231.3378	.1150009	.1304758
#2	.7824681	.0053914	.0071180	231.3227	.1124677	.1307695
#3	.7840029	.0053329	.0070388	232.6584	.1132085	.1296062

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4081013	154.2592	12.07134	94.91377	.2084822	.0054240
Stddev	.0114847	.3507	.02191	.10022	.0009122	.0010219
%RSD	2.814171	.2273565	.1815161	.1055856	.4375493	18.84041
#1	.4119879	153.9318	12.07703	94.99411	.2090392	.0045911
#2	.3951776	154.2165	12.04714	94.80147	.2089778	.0065643
#3	.4171384	154.6294	12.08984	94.94572	.2074294	.0051166

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.368396	.1677963	1.805927	7.607620	F 11.58929	.0045136
Stddev	.321640	.0052534	.030858	.049560	.00932	.0021253
%RSD	87.30817	3.130800	1.708716	.6514494	.0804156	47.08652
#1	-.714905	.1626056	1.808810	7.564221	11.59081	.0037846
#2	-.079379	.1731101	1.773728	7.661624	11.57930	.0028487
#3	-.310905	.1676731	1.835242	7.597015	11.59775	.0069074

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5009-04A Acquired: 12/23/2024 18:52:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJQ3A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049444	1.939975	8.477367	.0280806	1.359144	.0862852
Stddev	.0001221	.006495	.059182	.0035640	.004462	.0005818
%RSD	2.469035	.3348099	.6981203	12.69205	.3282989	.6742190
#1	.0049874	1.939115	8.512747	.0246943	1.361166	.0856329
#2	.0048067	1.946857	8.510312	.0277486	1.354029	.0867504
#3	.0050392	1.933952	8.409044	.0317991	1.362237	.0864723

Elem	Li6707
Units	ppm
Avg	.1147043
Stddev	.0033077
%RSD	2.883636
#1	.1159101
#2	.1172399
#3	.1109629

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2475.371	32462.53	2690.801	2115.998	1719.197
Stddev	7.232	162.59	20.131	9.359	2.746
%RSD	.2921628	.5008653	.7481368	.4423203	.1597477
#1	2469.697	32363.45	2683.509	2108.460	1716.606
#2	2472.902	32373.96	2675.333	2113.059	1718.907
#3	2483.515	32650.18	2713.562	2126.474	1722.076

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5028-07A Acquired: 12/23/2024 18:56:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK40A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1795409	-.078437	1.137132	.1788945	.0467682	103.0509	.7920809
Stddev	.0037665	.006947	.005839	.0024412	.0012444	.8388	.0056524
%RSD	2.097865	8.856630	.5134479	1.364599	2.660851	.8139732	.7136081
#1	.1804175	-.070839	1.136677	.1816549	.0473657	102.2228	.7857364
#2	.1754134	-.080009	1.143185	.1770197	.0453377	103.0300	.7939268
#3	.1827919	-.084464	1.131534	.1780089	.0476012	103.9000	.7965796

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0096993	.0081117	85.44023	.1526382	.1595219	.2967148	236.1313
Stddev	.0000646	.0000954	.56159	.0003751	.0005814	.0069019	1.7849
%RSD	.6657112	1.176535	.6572862	.2457245	.3644430	2.326108	.7558931
#1	.0096308	.0081481	84.85558	.1530625	.1601307	.2984551	234.1641
#2	.0097080	.0080034	85.48962	.1523507	.1594623	.3025800	236.5825
#3	.0097591	.0081836	85.97549	.1525015	.1589726	.2891093	237.6473

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.34341	33.54203	.2030754	.0087099	-.735231	.2286230	1.104654
Stddev	.11722	.15741	.0009069	.0005016	1.162032	.0046776	.021903
%RSD	.7172089	.4692783	.4466020	5.759194	158.0499	2.045973	1.982799
#1	16.22376	33.36147	.2030452	.0089176	-1.99239	.2324092	1.120067
#2	16.34844	33.61427	.2039971	.0081378	-.51284	.2233940	1.079582
#3	16.45803	33.65034	.2021840	.0090743	.29953	.2300657	1.114315

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.136192	3.651235	-.012288	.0062380	1.535114	11.85546	.0436749
Stddev	.126574	.012801	.002448	.0003201	.010950	.11726	.0011499
%RSD	2.464359	.3505830	19.92379	5.131180	.7133196	.9890806	2.632744
#1	5.076262	3.639415	-.013500	.0065953	1.530566	11.72914	.0445724
#2	5.281601	3.664831	-.013894	.0061413	1.547605	11.96083	.0423788
#3	5.050713	3.649459	-.009470	.0059774	1.527170	11.87643	.0440735

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: P5028-07A Acquired: 12/23/2024 18:56:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK40A Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7919357	-.014884	.0877152
Stddev	.0033345	.000544	.0024420
%RSD	.4210625	3.656071	2.784039
#1	.7933823	-.014288	.0905091
#2	.7881222	-.015010	.0859879
#3	.7943027	-.015355	.0866486

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2740.530	35584.75	2872.882	2359.523	1859.512
Stddev	7.988	107.57	12.351	15.059	9.372
%RSD	.2914716	.3022998	.4299292	.6382343	.5039976
#1	2739.606	35463.14	2886.790	2342.958	1860.714
#2	2733.045	35667.47	2863.194	2372.387	1849.597
#3	2748.940	35623.63	2868.661	2363.222	1868.225

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: CCV004 Acquired: 12/23/2024 19:00:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV004 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.019509	4.821603	24.42597	4.875769	4.851593	399.7338	10.08989
Stddev	.023783	.005401	.06830	.006974	.009453	1.7724	.03393
%RSD	.4738149	.1120076	.2796274	.1430278	.1948371	.4433912	.3362843
#1	4.993833	4.815518	24.34717	4.868180	4.843200	398.2401	10.06685
#2	5.023908	4.823466	24.46265	4.881895	4.849748	399.2690	10.07397
#3	5.040785	4.825825	24.46810	4.877232	4.861833	401.6923	10.12885

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5057061	2.454921	407.7454	15.31886	2.452838	15.08147	411.9755
Stddev	.0074066	.006038	1.7317	.02561	.005936	.05396	2.5316
%RSD	1.464598	.2459713	.4247025	.1671833	.2419997	.3578049	.6145055
#1	.4972752	2.448134	406.2024	15.34740	2.446440	15.05890	409.8047
#2	.5086780	2.459699	407.4154	15.31126	2.458166	15.04246	411.3653
#3	.5111651	2.456929	409.6183	15.29790	2.453908	15.14306	414.7564

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.00170	407.0850	2.479428	1.281834	404.3539	2.534611	15.47284
Stddev	.03900	1.8423	.003329	.002162	3.2269	.006036	.13283
%RSD	.2599990	.4525540	.1342604	.1686488	.7980417	.2381519	.8584841
#1	14.97020	405.4680	2.475659	1.284135	402.2385	2.535253	15.61449
#2	14.98956	406.6964	2.481969	1.279846	402.7551	2.528280	15.45297
#3	15.04533	409.0906	2.480655	1.281520	408.0680	2.540301	15.35106

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	150.8999	4.926005	4.829114	4.868374	4.889106	4.762549	4.962740
Stddev	.4358	.011972	.054141	.011856	.012509	.056815	.014097
%RSD	.2888269	.2430299	1.121136	.2435240	.2558560	1.192963	.2840483
#1	150.5456	4.915963	4.772093	4.863841	4.875045	4.697926	4.951286
#2	150.7676	4.939253	4.835426	4.859454	4.898998	4.785071	4.978483
#3	151.3866	4.922798	4.879822	4.881828	4.893275	4.804651	4.958451

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: CCV004 Acquired: 12/23/2024 19:00:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV004 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	4.999172	4.743997	5.064694
Stddev	.024382	.015818	.024304
%RSD	.4877159	.3334417	.4798645
#1	4.986671	4.728339	5.043354
#2	4.983577	4.743682	5.059579
#3	5.027269	4.759971	5.091148

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1786.292	24327.61	2090.581	1520.345	1562.435
Stddev	4.359	114.93	19.237	8.998	3.347
%RSD	.2440284	.4724192	.9201594	.5918565	.2142006
#1	1781.259	24210.58	2112.768	1514.151	1561.257
#2	1788.881	24331.92	2078.555	1516.218	1559.837
#3	1788.736	24440.31	2080.422	1530.667	1566.212

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: CCB004 Acquired: 12/23/2024 19:03:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB004 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003056	.0010860	.0031785	.0048141	-.000613	.0611703	-.003997
Stddev	.003019	.0010582	.0006492	.0022029	.001990	.0118890	.002086
%RSD	98.79424	97.43986	20.42649	45.75841	324.6471	19.43588	52.18499
#1	-.002564	.0020620	.0031994	.0023437	-.001589	.0611508	-.003033
#2	-.000313	.0012347	.0025190	.0055246	-.001927	.0730691	-.006390
#3	-.006291	-.000039	.0038170	.0065740	.001677	.0492911	-.002567

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000885	-.000005	-.007757	-.000276	-.000150	.0089116	.0442300
Stddev	.0001850	.000023	.004700	.000610	.000194	.0139967	.0400063
%RSD	208.9664	486.3816	60.58704	220.9081	129.4071	157.0615	90.45069
#1	.0002824	.000022	-.013180	-.000285	-.000362	.0024689	.0214768
#2	-.000086	-.000022	-.004854	.000338	.000021	-.000704	.0207895
#3	.000069	-.000014	-.005238	-.000881	-.000110	.024970	.0904236

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019632	.0218244	.0007121	.0000137	-1.81516	.0003220	-.005952
Stddev	.0014355	.0230076	.0005021	.0007024	.23617	.0034703	.014331
%RSD	73.11929	105.4216	70.50619	5140.920	13.01087	1077.631	240.7758
#1	.0005056	.0161650	.0011655	-.000274	-2.08690	.0043286	-.010350
#2	.0020084	.0471335	.0007984	-.000499	-1.65949	-.001740	-.017568
#3	.0033755	.0021745	.0001725	.000814	-1.69908	-.001623	.010062

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.618107	.0003385	.0035311	.0010287	-.006932	-.080831	.0003060
Stddev	.210034	.0008145	.0025715	.0002541	.003160	.001023	.0010054
%RSD	33.98020	240.6078	72.82475	24.69505	45.58359	1.265557	328.5235
#1	-.722772	.0011327	.0031289	.0012449	-.010551	-.081843	.0004107
#2	-.376306	-.000495	.0011844	.0010925	-.004717	-.079797	.0012550
#3	-.755243	.000378	.0062801	.0007489	-.005529	-.080854	-.000748

Reviewed By:Mohan
On:12/25/2024
11:41:28 PM
Inst Id :P5

Sample Name: CCB004 Acquired: 12/23/2024 19:03:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB004 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0034276	.0001392	.0052659
Stddev	.0033304	.0003006	.0022124
%RSD	97.16518	215.9678	42.01407
#1	.0009325	.0003213	.0036034
#2	.0021409	.0003040	.0044174
#3	.0072094	-.000208	.0077770

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2021.713	26570.15	2133.116	1751.389	1832.215
Stddev	5.537	98.23	12.034	12.238	3.680
%RSD	.2738572	.3696827	.5641562	.6987471	.2008499
#1	2019.378	26457.34	2119.485	1737.274	1828.230
#2	2017.726	26636.78	2137.591	1759.025	1832.932
#3	2028.034	26616.32	2142.271	1757.868	1835.485

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Prep Standard - Chemical Standard Summary

Order ID : P4982

Test : Metals CLP Full

Prepbatch ID : PB165282,

Sequence ID/Qc Batch ID: LB133953,LB134014,LB134057,LB134069,

Standard ID :
MP83122,MP83134,MP83141,MP83147,MP83500,MP83501,MP83502,MP83503,MP83504,MP83505,MP83506,MP83507,MP83508,MP83509,MP83510,MP83511,MP83513,MP83514,MP83726,

Chemical ID :
M5130,M5218,M5223,M5289,M5295,M5296,M5390,M5393,M5429,M5473,M5476,M5496,M5497,M5498,M5513,M5515,M5519,M5658,M5697,M5698,M5751,M5768,M5769,M5798,M5799,M5800,M5801,M5802,M5806,M5815,M5816,M5817,M5818,M5819,M5820,M5875,M5959,M5960,M5962,M5970,M5976,M5978,M5982,M5985,M5990,M5999,M6021,M6023,M6025,M6028,M6030,M6033,M6111,M6116,M6117,M6121,M6124,M6125,M6126,W3112,

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
169	1:1HNO3	MP83122	11/07/2024	12/06/2024	Janvi Patel	None	None	Sarabjit Jaswal 11/07/2024

FROM 1000.00000ml of M6116 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
902	ICP AES CAL BLK (SO/ICB/CCB)	MP83134	10/30/2024	12/06/2024	Kareem Khairalla	None	None	Mohan Bera 11/08/2024

FROM 125.00000ml of M6111 + 2350.00000ml of W3112 + 25.00000ml of M6117 = Final Quantity: 2500.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
994	ICPAES ISM01.2 S1 (CONC.)	MP83141	10/30/2024	12/06/2024	Kareem Khairalla	None	None	Mohan Bera 11/08/2024

FROM 0.02000ml of M5815 + 0.03000ml of M5429 + 0.10000ml of M5798 + 0.10000ml of M6028 + 0.14000ml of M5799 + 0.20000ml of M5476 + 0.20000ml of M5515 + 0.20000ml of M5658 + 0.20000ml of M5801 + 0.20000ml of M5817 + 0.20000ml of M5976 + 0.20000ml of M6025 + 0.20000ml of M6030 + 0.30000ml of M5698 + 0.40000ml of M6033 + 0.50000ml of M5751 + 0.50000ml of M6023 + 0.70000ml of M5962 + 0.80000ml of M5960 + 1.00000ml of M5800 + 1.00000ml of M6021 + 1.20000ml of M5802 + 1.20000ml of M5819 + 10.00000ml of M5498 + 10.00000ml of M5519 + 10.00000ml of M5768 + 10.00000ml of M5806 + 10.00000ml of M5818 + 2.00000ml of M5978 + 4.00000ml of M5390 + 34.24000ml of MP83134 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
921	ICPAES SPIKE SOL#6	MP83147	10/30/2024	12/06/2024	Kareem Khairalla	None	None	Mohan Bera 11/08/2024

FROM 2.50000ml of M5962 + 50.00000ml of M5990 + 50.00000ml of M5999 + 147.50000ml of MP83134 = Final Quantity: 250.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
902	ICP AES CAL BLK (SO/ICB/CCB)	MP83500	12/06/2024	01/06/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 125.00000ml of M6121 + 2350.00000ml of W3112 + 25.00000ml of M6126 = Final Quantity: 2500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2480	ICP AES STD 6 ISM01.3	MP83501	12/06/2024	01/06/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 4.00000ml of M5289 + 4.00000ml of M5498 + 4.00000ml of M5515 + 4.00000ml of M5768 + 4.00000ml of M5806 + 30.00000ml of MP83500 = Final Quantity: 50.000 ml

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Fax : 908 789 8922

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1004	ICPAES ISM01.2 (S5)	MP83502	12/06/2024	01/06/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 0.25000ml of M5798 + 0.50000ml of M5429 + 0.50000ml of M5473 + 0.50000ml of M5815 + 0.50000ml of M5817 + 12.50000ml of M5519 + 12.50000ml of M5698 + 12.50000ml of M5806 + 12.50000ml of M5819 + 13.75000ml of M5697 + 14.50000ml of M5496 + 14.50000ml of M5515 + 14.50000ml of M5658 + 2.00000ml of M5513 + 22.50000ml of M5497 + 22.50000ml of M5768 + 5.00000ml of M5296 + 5.00000ml of M5393 + 5.00000ml of M5802 + 5.00000ml of M5818 + 5.00000ml of M5875 + 303.50000ml of MP83500 = Final Quantity: 500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1005	ICPAES ISM01.2(S4)	MP83503	12/09/2024	01/06/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 250.00000ml of MP83500 + 250.00000ml of MP83502 = Final Quantity: 500.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1007	ICPAES ISM01.2(S3)	MP83504	12/09/2024	01/06/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 25.00000ml of MP83502 + 75.00000ml of MP83500 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1008	ICPAES ISM01.2(S2)	MP83505	12/09/2024	01/06/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 12.50000ml of MP83502 + 87.50000ml of MP83500 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
994	ICPAES ISM01.2 S1 (CONC.)	MP83506	12/09/2024	01/06/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 0.02000ml of M5815 + 0.03000ml of M5429 + 0.10000ml of M5798 + 0.10000ml of M6028 + 0.14000ml of M5799 + 0.20000ml of M5473 + 0.20000ml of M5515 + 0.20000ml of M5658 + 0.20000ml of M5801 + 0.20000ml of M5817 + 0.20000ml of M5976 + 0.20000ml of M6025 + 0.20000ml of M6030 + 0.30000ml of M5698 + 0.40000ml of M5496 + 0.50000ml of M5697 + 0.50000ml of M6023 + 0.70000ml of M5962 + 0.80000ml of M5960 + 1.00000ml of M5800 + 1.00000ml of M6021 + 1.20000ml of M5802 + 1.20000ml of M5819 + 10.00000ml of M5498 + 10.00000ml of M5519 + 10.00000ml of M5769 + 10.00000ml of M5806 + 10.00000ml of M5818 + 2.00000ml of M5978 + 4.00000ml of M5390 + 34.24000ml of MP83500 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1003	ICPAES ISM01.2 S1	MP83507	12/09/2024	01/06/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 0.50000ml of MP83506 + 99.50000ml of MP83500 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2054	ICV-ICPAES	MP83508	12/09/2024	01/06/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 0.50000ml of M5218 + 0.50000ml of M5816 + 0.50000ml of M5820 + 0.50000ml of M5970 + 0.50000ml of M5982 + 10.00000ml of M5295 + 87.50000ml of MP83500 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
904	ICP AES ICSA SOLN	MP83509	12/09/2024	01/06/2025	Kareem Khairalla	None	METALS_PIPETTE_3 (A)	Sarabjit Jaswal 12/09/2024

FROM 10.00000ml of M5130 + 90.00000ml of MP83500 = Final Quantity: 250.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
905	ICP AES ICSAB SOLN	MP83510	12/09/2024	01/06/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 10.00000ml of M5130 + 10.00000ml of M5223 + 80.00000ml of MP83500 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1119	ICPAES ISM01.2(CCV)	MP83511	12/09/2024	01/06/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 0.75000ml of M5497 + 0.75000ml of M5769 + 1.22500ml of M5496 + 1.25000ml of M5515 + 1.25000ml of M5806 + 19.77500ml of MP83500 + 25.00000ml of MP83502 = Final Quantity: 50.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
919	ICP AES INTERNAL STD	MP83513	12/09/2024	01/06/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 1.00000ml of M5959 + 10.00000ml of M5985 + 1969.00000ml of W3112 + 20.00000ml of M6126 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
513	RINSE SOLN	MP83514	12/09/2024	01/06/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 200.00000ml of M6126 + 9800.00000ml of W3112 = Final Quantity: 10000.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3559	SE 100PPM	MP83726	12/18/2024	01/06/2025	Sarabjit Jaswal	None	None	Mohan Bera 12/20/2024

FROM 1.00000ml of M5962 + 9.00000ml of MP83500 = Final Quantity: 10.000 ml

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART A / ICSA (ICP) STOCK SOLN	ICSA-1211	12/28/2024	05/20/2024 / jaswal	04/20/2021 / bin	M5130

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	S2-MEB711674	11/02/2026	07/01/2022 / bin	09/10/2021 / bin	M5218

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART B / ICSAB (ICP) STOCK SOLN	ICSB-0710	12/28/2024	05/20/2024 / jaswal	04/20/2021 / bin	M5223

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Aluminum (Al) 10,000PPM	070622	07/06/2025	09/02/2022 / jaswal	07/12/2022 / jaswal	M5289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	ICV-1 / ICV (ICP/ICPMS) STOCK SOLN	ICV-1014	02/05/2025	08/07/2024 / jaswal	04/20/2021 / bin	M5295

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	Z9651Q / CHEM-CLP-4/.25L	S2-MEB711673	11/02/2026	09/19/2022 / jaswal	08/20/2022 / jaswal	M5296

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57056 / Ba, 1000 PPM, 125 ml	072122	07/21/2025	08/07/2024 / jaswal	09/18/2022 / bin	M5390

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	T2-MEB714159	01/13/2027	10/12/2022 / bin	09/19/2022 / bin	M5393

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57103 / Li, 10000 PPM, 125 ml	070622	07/06/2025	01/30/2023 / bin	01/26/2023 / bin	M5429

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57138 / Sr, 10000 PPM, 125 ml	082922	08/29/2025	03/16/2023 / jaswal	03/16/2023 / jaswal	M5473

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57138 / Sr, 10000 PPM, 125 ml	082922	08/29/2025	07/29/2024 / jaswal	03/16/2023 / jaswal	M5476

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Al, 10000 PPM, 500 ml	011623	01/16/2026	08/15/2023 / jaswal	03/17/2023 / bin	M5496

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58120 / Ca, 10000 PPM, 500 ml	031523	03/15/2026	03/18/2023 / bin	03/17/2023 / bin	M5497

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58120 / Ca, 10000 PPM, 500 ml	031523	03/15/2026	08/15/2023 / jaswal	03/17/2023 / bin	M5498

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57182 / Pb, 10000 PPM, 125 ml	061522	06/15/2025	03/19/2023 / bin	03/17/2023 / bin	M5513

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58126 / Fe, 10000 PPM, 500 ml	092122	09/21/2025	08/01/2024 / Jaswal	03/17/2023 / bin	M5515

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57119 / Potassium (K) 10,000PPM	120822	12/08/2025	01/08/2024 / bin	03/17/2023 / bin	M5519

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58024 / Chromium, Cr, 500 ml, 1000 PPM	060523	06/05/2026	08/28/2023 / jaswal	08/25/2023 / jaswal	M5658

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58029 / Cu, 1000 PPM, 500 ml	102523	10/25/2026	04/03/2024 / jaswal	10/27/2023 / jaswal	M5697

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58025 / Mn, 1000 PPM, 500 ml	102623	10/26/2026	04/18/2024 / jaswal	10/27/2023 / jaswal	M5698

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58029 / Cu, 1000 PPM, 500 ml	071723	07/17/2026	10/01/2024 / Jaswal	08/25/2023 / jaswal	M5751

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58112 / Mg, 10000 PPM, 500 ml	091823	09/18/2026	01/08/2024 / bin	01/03/2024 / bin	M5768

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58112 / Mg, 10000 PPM, 500 ml	091823	09/18/2026	05/24/2024 / Jaswal	01/03/2024 / bin	M5769

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57004 / Be, 1000 PPM, 125 ml	102523	10/25/2026	02/09/2024 / bin	02/09/2024 / bin	M5798

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57050 / Sn, 1000 PPM, 125 ml	071123	07/11/2026	02/09/2024 / bin	02/09/2024 / bin	M5799

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57027 / CO, 1000 PPM, 125 ml	091923	09/19/2026	05/31/2024 / bin	02/09/2024 / bin	M5800

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57033 / As, 1000 PPM, 125 ml	111323	11/13/2026	02/09/2024 / bin	02/09/2024 / bin	M5801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57051 / Sb, 1000 PPM, 125 ml	120523	12/05/2026	08/07/2024 / jaswal	01/03/2024 / jaswal	M5802

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58111 / Na, 10000 PPM, 500 ml	122223	12/22/2026	08/01/2024 / Jaswal	01/03/2024 / jaswal	M5806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57115 / P, 10000 PPM, 125 ml	041723	04/17/2026	05/21/2024 / Jaswal	02/09/2024 / jaswal	M5815

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57016 / S, 1000 PPM, 125 ml	122923	12/29/2026	05/20/2024 / Jaswal	02/09/2024 / jaswal	M5816

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57116 / S, 10000 PPM, 125 ml	071123	07/11/2026	03/01/2024 / jaswal	02/09/2024 / jaswal	M5817

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57014 / Si, 1000 PPM, 125 ml	122023	12/20/2026	03/06/2024 / jaswal	02/09/2024 / jaswal	M5818

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58030 / Zinc, Zn, 500 ml, 1000 PPM	111623	11/16/2026	03/20/2024 / jaswal	02/09/2024 / jaswal	M5819

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57015 / P, 1000 PPM, 125 ml	091123	09/11/2026	05/01/2024 / jaswal	02/09/2024 / jaswal	M5820

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	T2-MEB714417	01/27/2027	04/19/2024 / jaswal	02/22/2024 / jaswal	M5875

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGY10-1 / YTTRIUM 125mL 10,000ug/mL	V2-Y740548	02/20/2029	07/01/2024 / Jaswal	06/14/2024 / Jaswal	M5959

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57028 / Ni, 1000 PPM, 125 ml	041124	04/11/2027	07/03/2024 / kareem	06/11/2024 / kareem	M5960

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57034 / Se, 1000 PPM, 125 ml	060624	06/06/2027	07/02/2024 / Jaswal	06/14/2024 / Jaswal	M5962

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57003 / Li, 1000 PPM, 125 ml	061224	06/21/2027	07/01/2024 / Jaswal	07/01/2024 / Jaswal	M5970

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMO1-1 / MOLYBDENUM 125mL 1000ug/mL	T2-MO720876	07/17/2027	08/07/2024 / jaswal	02/22/2024 / Jaswal	M5976

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGTI1-1 / TITANIUM 125mL 1000ug/mL	T2-TI719972	06/17/2027	08/07/2024 / jaswal	02/22/2024 / Jaswal	M5978

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57038 / Sr, 1000 PPM, 125 ml	031524	03/15/2027	07/01/2024 / Jaswal	06/11/2024 / Jaswal	M5982

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGIN10-5 / INDIUM 1 x 500 ml	U2-IN729349	02/21/2028	10/08/2024 / Jaswal	06/14/2024 / Jaswal	M5985

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	V2-MEB742037	03/12/2029	10/04/2024 / Jaswal	02/22/2024 / Jaswal	M5990

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	T2-MEB721963	07/27/2027	09/04/2024 / Jaswal	02/22/2024 / kareem	M5999

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57023 / V, 1000 PPM, 125 ml	062424	06/24/2027	09/28/2024 / jaswal	08/05/2024 / Jaswal	M6021

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57081 / Tl, 1000 PPM, 125 ml	0624724	06/27/2027	08/05/2024 / kareem	08/05/2024 / Jaswal	M6023

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57082 / Pb, 1000 PPM, 125 ml	061224	11/09/2026	08/05/2024 / Jaswal	08/05/2024 / Jaswal	M6025

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57048 / Cd, 1000 PPM, 125 ml	070124	07/01/2027	08/05/2024 / kareem	08/05/2024 / Jaswal	M6028

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57047 / Ag, 1000 PPM, 125 ml	122823	12/28/2026	08/05/2024 / kareem	08/05/2024 / Jaswal	M6030

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Al, 10000 PPM, 500 ml	011623	01/16/2026	08/07/2024 / Jaswal	01/03/2024 / Jaswal	M6033

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)	22F0762009	05/09/2027	11/04/2024 / Eman	09/29/2024 / Janvi	M6111

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)	24B1362001	05/03/2025	11/04/2024 / Janvi	09/29/2024 / Eman	M6116

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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)	24B1362001	05/06/2025	11/06/2024 / Janvi	09/29/2024 / Eman	M6117

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)	0000275677	05/13/2025	11/13/2024 / Eman	10/13/2024 / Eman	M6121

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)	24D1062002	05/22/2025	11/22/2024 / Janvi	10/22/2024 / Janvi	M6124

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	1403 / Hydrogen Peroxide, 30% 1 gal	820803	05/25/2025	11/26/2024 / Eman	11/22/2024 / Eman	M6125

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)	24D1062002	06/03/2025	12/03/2024 / Janvi	11/12/2024 / Janvi	M6126

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

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R: 02/22/24 M5986 M5987, M5988, M5989-M5990

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-SPK-5
Lot Number:	V2-MEB742037
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	100 µg/mL ea: Antimony,
	50 µg/mL ea: Selenium, Cadmium, Thallium,
	40 µg/mL ea: Arsenic,
	20 µg/mL ea: Lead

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	100.0 ± 0.7 µg/mL	Arsenic, As	40.00 ± 0.26 µg/mL
Cadmium, Cd	49.99 ± 0.22 µg/mL	Lead, Pb	19.99 ± 0.09 µg/mL
Selenium, Se	50.00 ± 0.23 µg/mL	Thallium, Tl	50.00 ± 0.22 µg/mL

Density: 1.025 g/mL (measured at 20 ± 4 °C)

Assay Information:

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ANALYTE	METHOD	NIST SRM#	SRM LOT#
As	ICP Assay	3103a	100818
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Cd	Calculated		See Sec. 4.2
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Pb	Calculated		See Sec. 4.2
Sb	ICP Assay	3102a	140911
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2

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.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- 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/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 12, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- March 12, 2029

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6028

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

R 8/5/24

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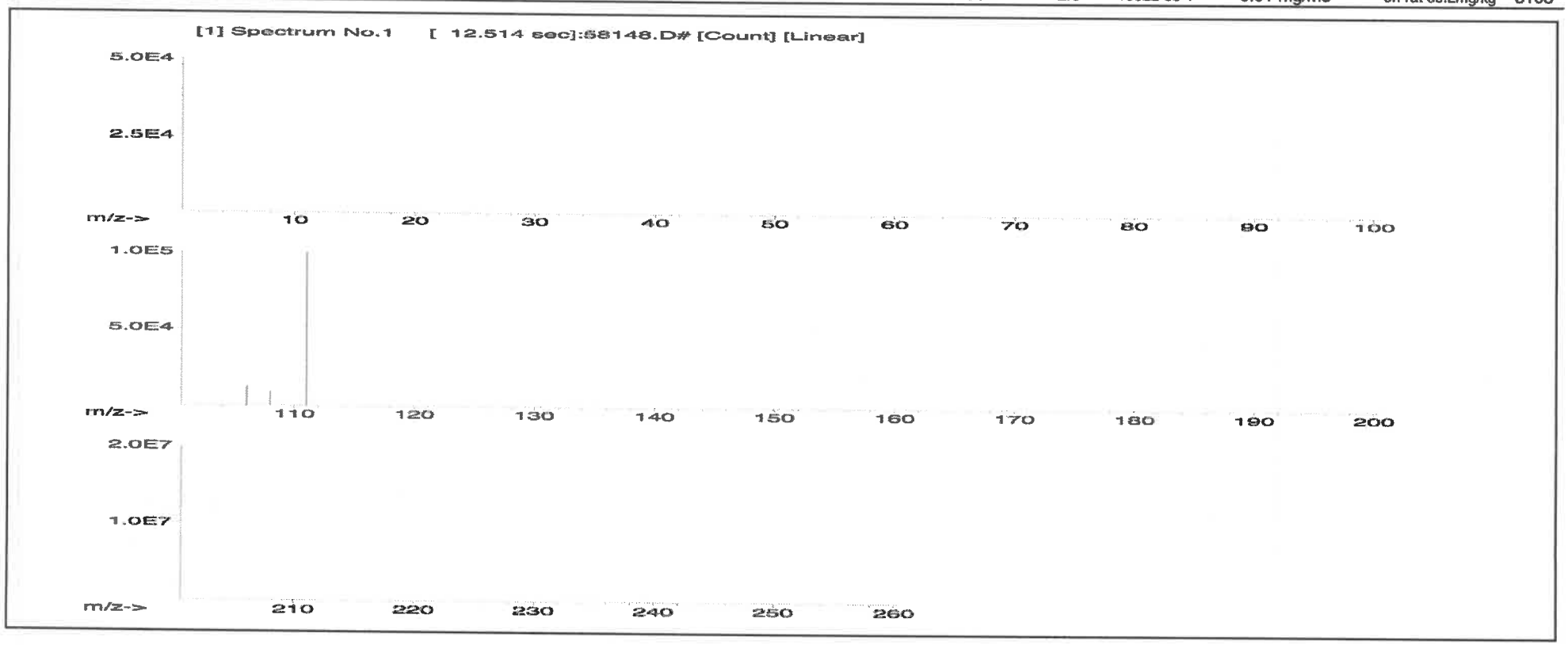
CERTIFIED WEIGHT REPORT:

Part Number:	**57048**			**Lot #**	
Lot Number:	**070124**		**Solvent:**	24002546	Nitric Acid
Description:	**Cadmium (Cd)**				
			2%	40.0 (mL)	Nitric Acid
Expiration Date:	070127				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

Aleah O'Brady

Formulated By:	Aleah O'Brady	070124
Reviewed By:	Pedro L. Rentas	070124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cadmium nitrate tetrahydrate (Cd)	IN024	CDM092021A1	1000	99.999	0.10	36.5	5.4797	5.4804	**1000.1**	**2.0**	10022-68-1	0.01 mg/m3	orl-rat 60.2mg/kg	3108



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	T	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

M5296 OP: 09/19/2022 BH

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1.0 ACCREDITATION / REGISTRATION

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ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CHEM-CLP-4
Lot Number:	S2-MEB711673
Matrix:	3% (v/v) HNO3 3% (v/v) HF
Value / Analyte(s):	1 000 µg/mL ea: Boron, Molybdenum, Silicon, Tin, Titanium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Boron, B	**1 000 ± 6 µg/mL**	**Molybdenum, Mo**	**1 000 ± 6 µg/mL**
Silicon, Si	**1 000 ± 7 µg/mL**	**Tin, Sn**	**1 000 ± 6 µg/mL**
Titanium, Ti	**1 000 ± 7 µg/mL**		

Density: 1.030 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
B	ICP Assay	3107	110830
Mo	ICP Assay	3134	130418
Si	ICP Assay	3150	130912
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	3162a	130925

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.

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Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- 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/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

November 02, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **November 02, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-CAL-1
Lot Number:	T2-MEB714417
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	5 000 µg/mL ea: Calcium, Potassium, Magnesium, Sodium, 2 000 µg/mL ea: Aluminum, Barium, 1 000 µg/mL ea: Iron, 500 µg/mL ea: Nickel, Vanadium, Zinc, Cobalt, Manganese, 250 µg/mL ea: Silver, Copper, 200 µg/mL ea: Chromium, 50 µg/mL ea: Beryllium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	**2 000 ± 7 µg/mL**	**Barium, Ba**	**2 000 ± 9 µg/mL**
Beryllium, Be	**50.00 ± 0.26 µg/mL**	**Calcium, Ca**	**5 000 ± 22 µg/mL**
Chromium, Cr	**200.0 ± 1.0 µg/mL**	**Cobalt, Co**	**500.0 ± 2.4 µg/mL**
Copper, Cu	**250.0 ± 1.0 µg/mL**	**Iron, Fe**	**1 000 ± 4 µg/mL**
Magnesium, Mg	**5 000 ± 20 µg/mL**	**Manganese, Mn**	**500.0 ± 2.0 µg/mL**
Nickel, Ni	**500.0 ± 2.2 µg/mL**	**Potassium, K**	**5 000 ± 19 µg/mL**
Silver, Ag	**250.0 ± 1.1 µg/mL**	**Sodium, Na**	**5 000 ± 18 µg/mL**
Vanadium, V	**499.7 ± 2.2 µg/mL**	**Zinc, Zn**	**500.0 ± 2.2 µg/mL**

Density: 1.118 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cr	Calculated		See Sec. 4.2
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	120715
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
V	IC Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

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.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- 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/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information.

https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 27, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **January 27, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

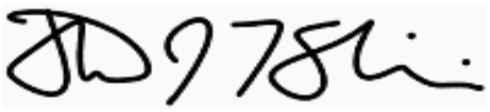
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-CAL-3
Lot Number:	T2-MEB714159
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	1 000 µg/mL ea: Arsenic, Lead, Selenium, Thallium, 500 µg/mL ea: Cadmium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Arsenic, As	**1 000 ± 8 µg/mL**	**Cadmium, Cd**	**500.0 ± 2.1 µg/mL**
Lead, Pb	**1 000 ± 5 µg/mL**	**Selenium, Se**	**1 000 ± 8 µg/mL**
Thallium, Tl	**1 000 ± 7 µg/mL**		

Density: 1.043 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
As	ICP Assay	3103a	100818
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Tl	ICP Assay	3158	151215

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.

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Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

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Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

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$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

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4.0 TRACEABILITY TO NIST

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4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

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- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

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- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 13, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **January 13, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

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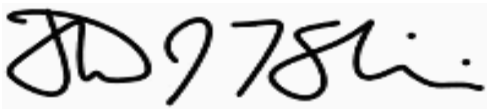
12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 8/5/24 M6025

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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CERTIFIED WEIGHT REPORT:

Part Number: 57182
Lot Number: 110923
Description: Lead (Pb)

Expiration Date: 110926
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

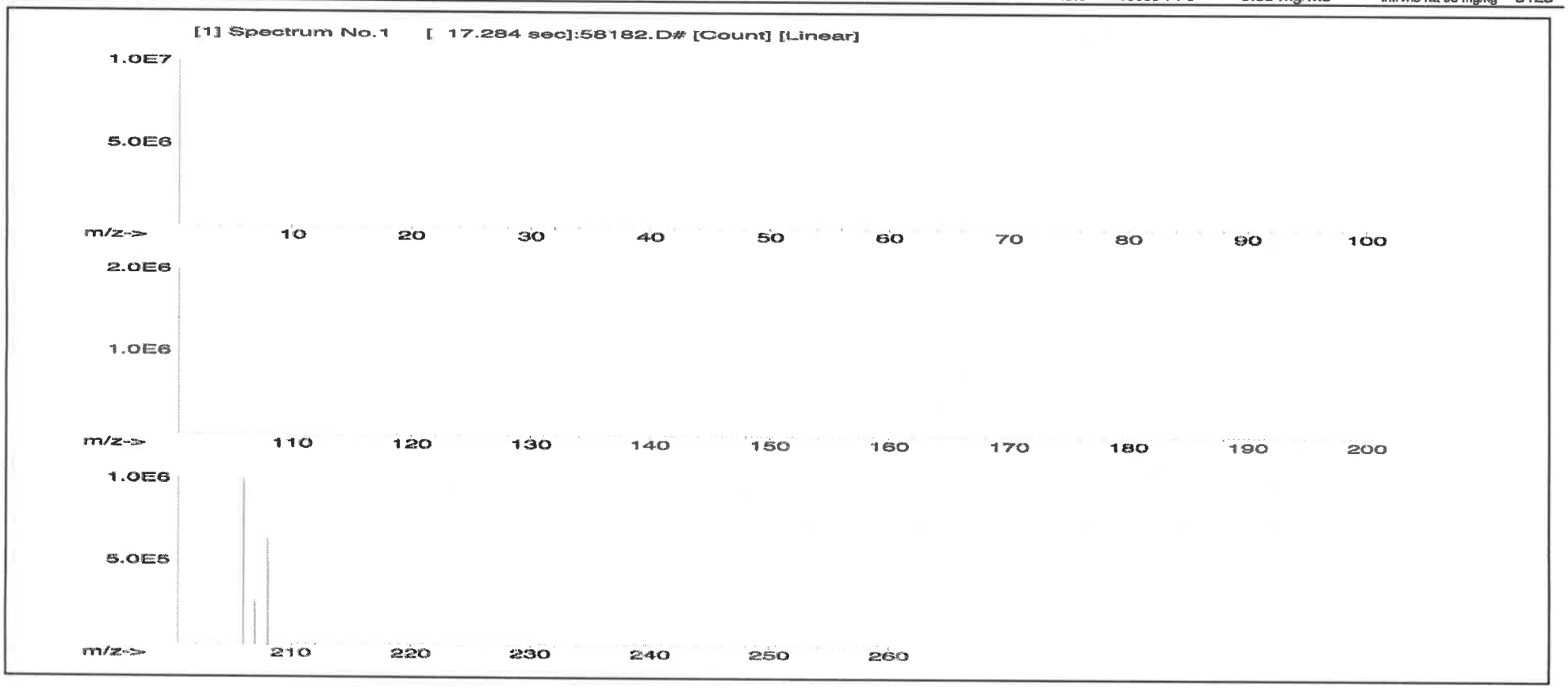
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

		Lot #	
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Formulated By:	Lawence Barry	110923
Reviewed By:	Pedro L. Rentas	110923

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lead(II) nitrate (Pb)	IN029	PBD122016A1	10000	99.999	0.10	62.5	32.0006	32.0040	**10001.1**	**20.0**	10099-74-8	0.05 mg/m3	intrvns-rat 93 mg/kg	3128



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	T	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
"An ISO 9001:2015 Certified Program"

Instructions for QATS Reference Material: *ICP-AES ICS*

QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-AES (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix. **For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-1211" and for the ICSAB mixture use "ICSA-1211+ICSB-0710".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

The interference check sample set is to be used to verify inter-element and background correction factors of inductively-coupled plasma (ICP) spectrometers. This reference material set consists of two (2) concentrated solutions. The ICSA solution contains the four (4) interferent elements: Al, Ca, Fe, and Mg. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be,

Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for ICP-AES Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

ICSA-1211, Interferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 2% v/v HNO_3. Analyze this ICSA solution by ICP-AES.

ICSB-0710, Analytes, mixed with ICSA-1211, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 2% v/v HNO_3. Analyze this ICSAB solution by ICP-AES.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-AES ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-AES ICSA-1211, AND ICSA-1211 MIXED WITH ICSB-0710

Element	CRQL	Part A (µg/L)	Low Limit (µg/L)	High Limit (µg/L)	Part A +Part B (µg/L)	Low Limit (µg/L)	High Limit (µg/L)
Al	200	255000	216000	294000	247000	209000	285000
Sb	60	(0.0)	-60.0	60.0	618	525	711
As	10	(0.0)	-10.0	10.0	104	88.4	120
Ba	200	(6.0)	-194	206	(537)	337	737
Be	5.0	(0.0)	-5.0	5.0	495	420	570
Cd	5.0	(1.0)	-4.0	6.0	972	826	1120
Ca	5000	245000	208000	282000	235000	199000	271000
Cr	10	(52.0)	42.0	62.0	542	460	624
Co	50	(0.0)	-50.0	50.0	476	404	548
Cu	25	(2.0)	-23.0	27.0	511	434	588
Fe	100	101000	85600	116500	99300	84400	114500
Pb	10	(0.0)	-10.0	10.0	(49.0)	39.0	59.0
Mg	5000	255000	216000	294000	248000	210000	286000
Mn	15	(7.0)	-8.0	22.0	507	430	584
Ni	40	(2.0)	-38.0	42.0	954	810	1100
Se	35	(0.0)	-35.0	35.0	(46.0)	11.0	81.0
Ag	10	(0.0)	-10.0	10.0	201	170	232
Tl	25	(0.0)	-25.0	25.0	(108)	83.0	133
V	50	(0.0)	-50.0	50.0	491	417	565
Zn	60	(0.0)	-60.0	60.0	952	809	1095

ICSA M5126 M5127 M5128 M5129 M5130

ICSB M5219 M5220 M5221 M5222 M5223

The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 1 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

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Certificate of Analysis

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inorganicventures.com

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F: 540-585-3012
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1.0 ACCREDITATION / REGISTRATION

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ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CHEM-QC-4
Lot Number:	S2-MEB711674
Matrix:	3% (v/v) HNO3 3% (v/v) HF
Value / Analyte(s):	1 000 µg/mL ea: Boron, Molybdenum, Silicon, Tin, Titanium

Second Source: Whenever possible, this solution was manufactured from a second set of concentrates in our manufacturing facility.

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Boron, B	**1 000 ± 7 µg/mL**	**Molybdenum, Mo**	**1 000 ± 5 µg/mL**
Silicon, Si	**1 000 ± 7 µg/mL**	**Tin, Sn**	**1 000 ± 5 µg/mL**
Titanium, Ti	**1 001 ± 6 µg/mL**		

Density: 1.032 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
B	ICP Assay	3107	110830
Mo	ICP Assay	3134	130418
Si	ICP Assay	3150	130912
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	3162a	130925

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.

1369

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

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u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- 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/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

November 02, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **November 02, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
"An ISO 9001:2015 Certified Program"

Instructions for QATS Reference Material: *ICP-AES ICS*

QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-AES (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix. **For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-1211" and for the ICSAB mixture use "ICSA-1211+ICSB-0710".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

The interference check sample set is to be used to verify inter-element and background correction factors of inductively-coupled plasma (ICP) spectrometers. This reference material set consists of two (2) concentrated solutions. The ICSA solution contains the four (4) interferent elements: Al, Ca, Fe, and Mg. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be,

Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for ICP-AES Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

ICSA-1211, Interferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 2% v/v HNO_3. Analyze this ICSA solution by ICP-AES.

ICSB-0710, Analytes, mixed with ICSA-1211, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 2% v/v HNO_3. Analyze this ICSAB solution by ICP-AES.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-AES ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-AES ICSA-1211, AND ICSA-1211 MIXED WITH ICSB-0710

Element	CRQL	Part A (µg/L)	Low Limit (µg/L)	High Limit (µg/L)	Part A +Part B (µg/L)	Low Limit (µg/L)	High Limit (µg/L)
Al	200	255000	216000	294000	247000	209000	285000
Sb	60	(0.0)	-60.0	60.0	618	525	711
As	10	(0.0)	-10.0	10.0	104	88.4	120
Ba	200	(6.0)	-194	206	(537)	337	737
Be	5.0	(0.0)	-5.0	5.0	495	420	570
Cd	5.0	(1.0)	-4.0	6.0	972	826	1120
Ca	5000	245000	208000	282000	235000	199000	271000
Cr	10	(52.0)	42.0	62.0	542	460	624
Co	50	(0.0)	-50.0	50.0	476	404	548
Cu	25	(2.0)	-23.0	27.0	511	434	588
Fe	100	101000	85600	116500	99300	84400	114500
Pb	10	(0.0)	-10.0	10.0	(49.0)	39.0	59.0
Mg	5000	255000	216000	294000	248000	210000	286000
Mn	15	(7.0)	-8.0	22.0	507	430	584
Ni	40	(2.0)	-38.0	42.0	954	810	1100
Se	35	(0.0)	-35.0	35.0	(46.0)	11.0	81.0
Ag	10	(0.0)	-10.0	10.0	201	170	232
Tl	25	(0.0)	-25.0	25.0	(108)	83.0	133
V	50	(0.0)	-50.0	50.0	491	417	565
Zn	60	(0.0)	-60.0	60.0	952	809	1095

ICSA M5126 M5127 M5128 M5129 M5130

ICSB M5219 M5220 M5221 M5222 M5223

The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 1 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

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M5289 R: 07/12/22 BH

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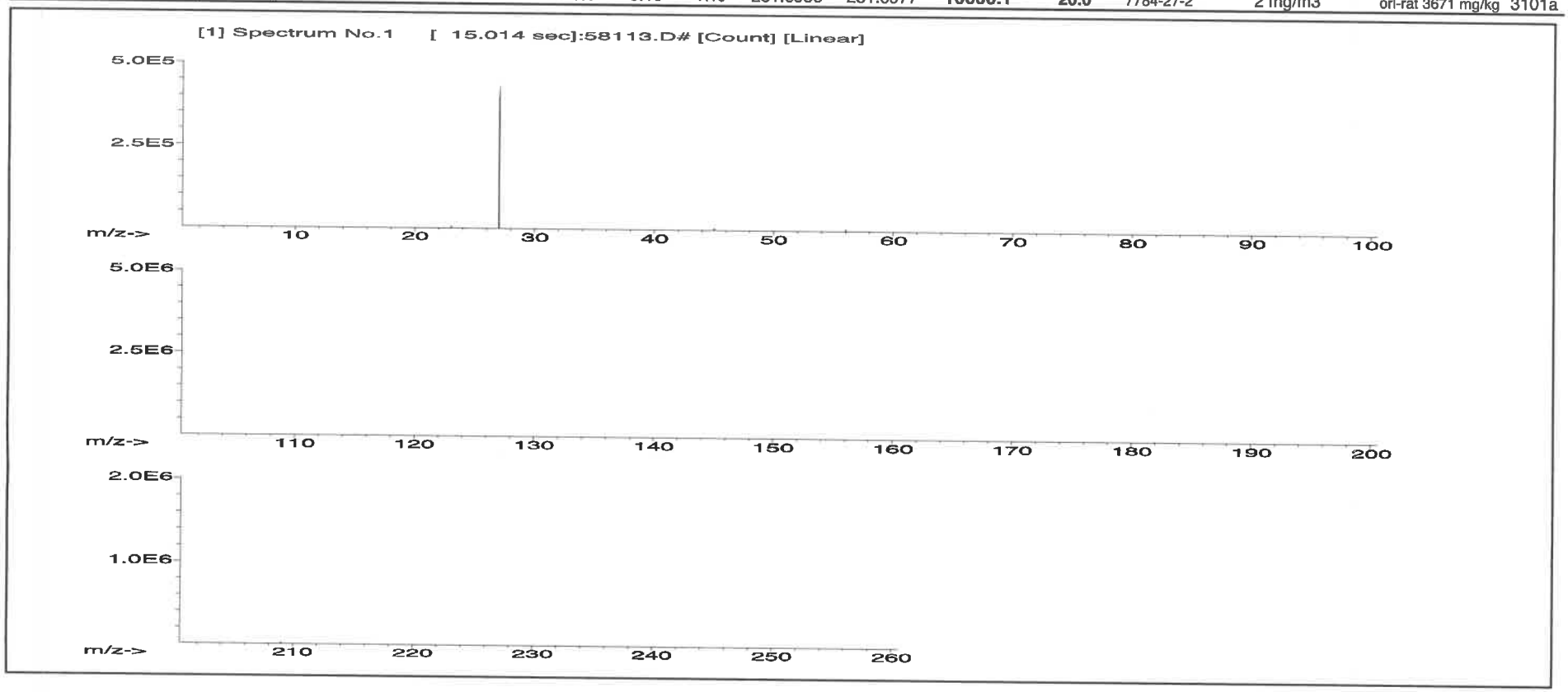
CERTIFIED WEIGHT REPORT:

Part Number:	**58113**		**Lot #**		
Lot Number:	**070622**	**Solvent:**	20370011	Nitric Acid	
Description:	**Aluminum (Al)**	2%	40.0 (mL)	Nitric Acid	
Expiration Date:	070625				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	070622
Reviewed By:	Pedro L. Rentas	070622

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Aluminum nitrate nonahydrate (Al)	IN022	ALD012021A1	10000	99.999	0.10	7.10	281.6956	281.6977	**10000.1**	**20.0**	7784-27-2	2 mg/m3	orl-rat 3671 mg/kg	3101a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	T	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

QATS LABORATORY INORGANIC REFERENCE MATERIAL INITIAL CALIBRATION VERIFICATION SOLUTIONS (ICV1, ICV5, AND ICV6)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Metals in Dilute Acidic or Cyanide in Basic Aqueous Solutions
HAZARDOUS MATERIAL

Safety Data Sheets Available Upon Request

M5291
M5292
M5293
M5294
M5295

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more Aqueous Inorganic Reference Materials containing various analyte concentrations. ICV1 and ICV5 are in a matrix of dilute nitric acid. ICV6 is in a matrix of dilute basic solution. **For the reference material source in reporting ICVs use "USEPA". For the reference material lot number for the ICV1, ICV5, and ICV6 solutions use "ICV1-1014", "ICV5-0415", and "ICV6-0400", respectively.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP, AA, and Cyanide colorimetric instruments, and are to be used with the CLP SOWs and revisions. The values for each element in the ICVs are listed below in µg/L (ppb) for the resulting solution(s) after the dilution of the concentrate(s) according to the following instructions. Use Class 'A' glassware to prepare the solution(s).

ICV1-1014 For ICP-AES analysis, use a 10-fold dilution by pipetting 10 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

ICV1-1014 For ICP-MS analysis, use a 50-fold dilution by pipetting 2 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

ICV5-0415 For the cold vapor analysis of mercury by AA, use a 100-fold dilution by pipetting 1 mL of the ICV5 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

ICV6-0400 For the analysis of cyanide, use a 100-fold dilution by pipetting 1 mL of the ICV6 concentrate into a 100 mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

(D) *CERTIFIED CONCENTRATIONS OF QATS ICV1, ICV5, AND ICV6 SOLUTIONS*

ICV1-1014		
Element	**Concentration (µg/L) (after 10-fold dilution)**	**Concentration (µg/L) (after 50-fold dilution)**
Al	2500	500
Sb	1000	200
As	1000	200
Ba	520	100
Be	510	100
Cd	510	100
Ca	10000	2000
Cr	520	100
Co	520	100
Cu	510	100
Fe	10000	2000
Pb	1000	200
Mg	6000	1200
Mn	520	100
Ni	530	110
K	9900	2000
Se	1000	200
Ag	250	50
Na	10000	2000
Tl	1000	210
V	500	100
Zn	1000	200

ICV5-0415		ICV6-0400	
Element	**Concentration (µg/L) (after 100-fold dilution)**	**Analyte**	**Concentration (µg/L) (after 100-fold dilution)**
Hg	4.0	**CN^-**	99

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R: 09/08/22 (BH)

Certified Reference Material CRM

M5387 . M5389 . M5390 . M5391 . M5392

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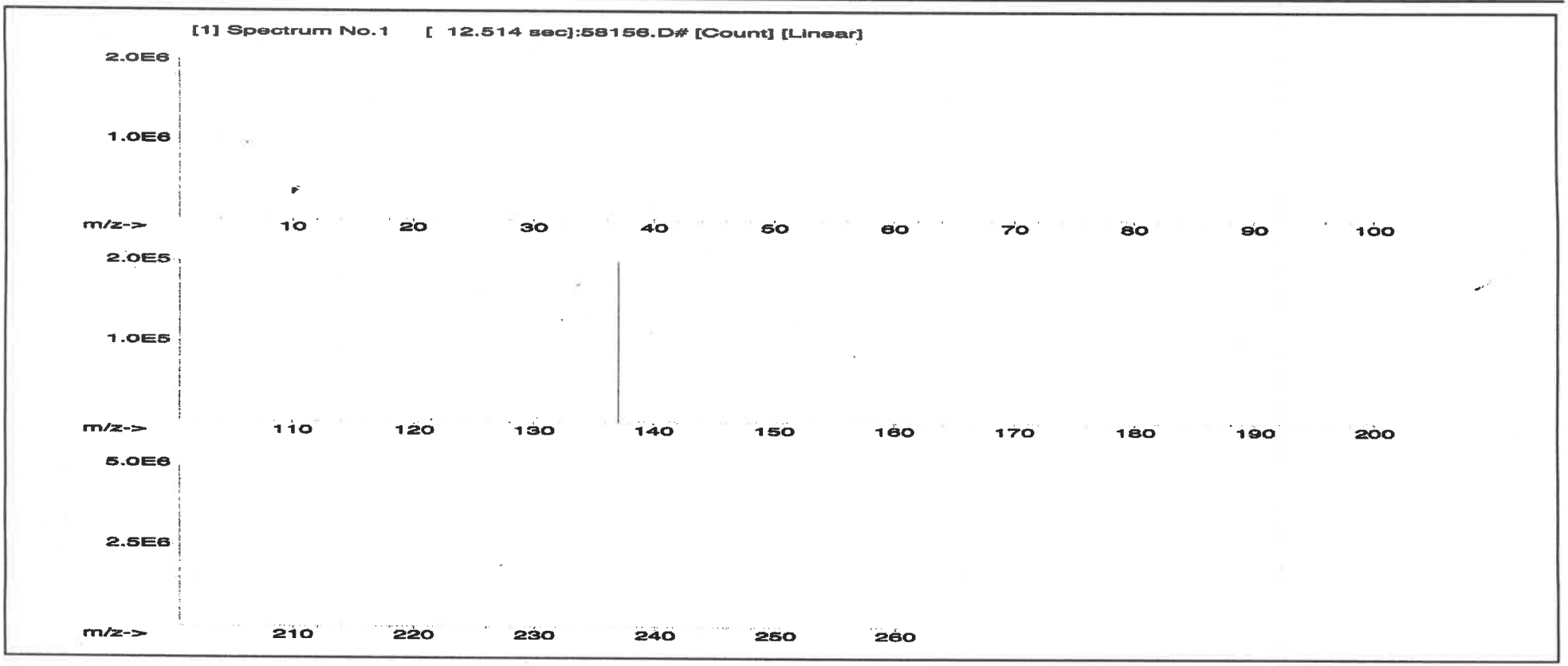
CERTIFIED WEIGHT REPORT:

Part Number:	**57056**		**Lot #**		
Lot Number:	**072122**	**Solvent:**	20510011	Nitric Acid	
Description:	**Barium (Ba)**	2%	40.0 (mL)	Nitric Acid	
Expiration Date:	072125				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Giovanni Esposito

Formulated By:	Giovanni Esposito	072122
Reviewed By:	Pedro L. Rentas	072122

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Barium nitrate (Ba)	IN023	BAD022019A1	1000	99.999	0.10	52.3	3.82417	3.82426	**1000.0**	**2.0**	10022-31-8	0.5 mg/m3	orl-rat 355 mg/kg	3104a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	T	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

T-3379

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Certified Reference Material CRM

M5429 R1 01/26/23 BH

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AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57103
Lot Number: 070622
Description: Lithium (Li)

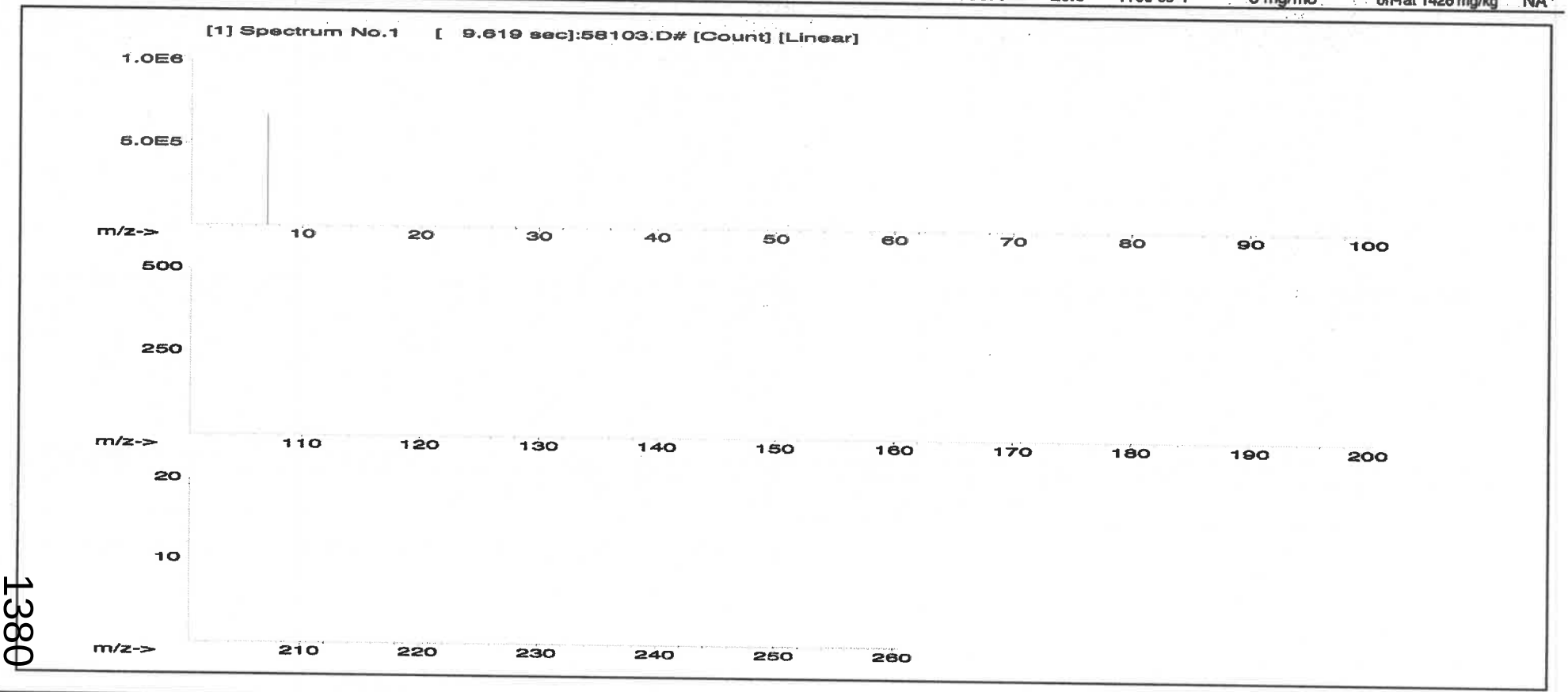
Expiration Date: 070625
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 1000.12

	Lot #		
Solvent:	20510011	Nitric Acid	
2%	20.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	070622
Reviewed By:	Pedro L. Rentas	070622

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lithium nitrate (Li)	IN019	LIZ042018A1	10000	99.999	0.10	10.0	100.0134	100.0173	**10000.4**	**20.0**	7790-69-4	5 mg/m3	orl-rat 1426 mg/kg	NA



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	T	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

1381

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IN5497 - IN5498 R: 03/17/23 BH

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CERTIFIED WEIGHT REPORT:

Part Number: 58120
Lot Number: 031523
Description: Calcium (Ca)

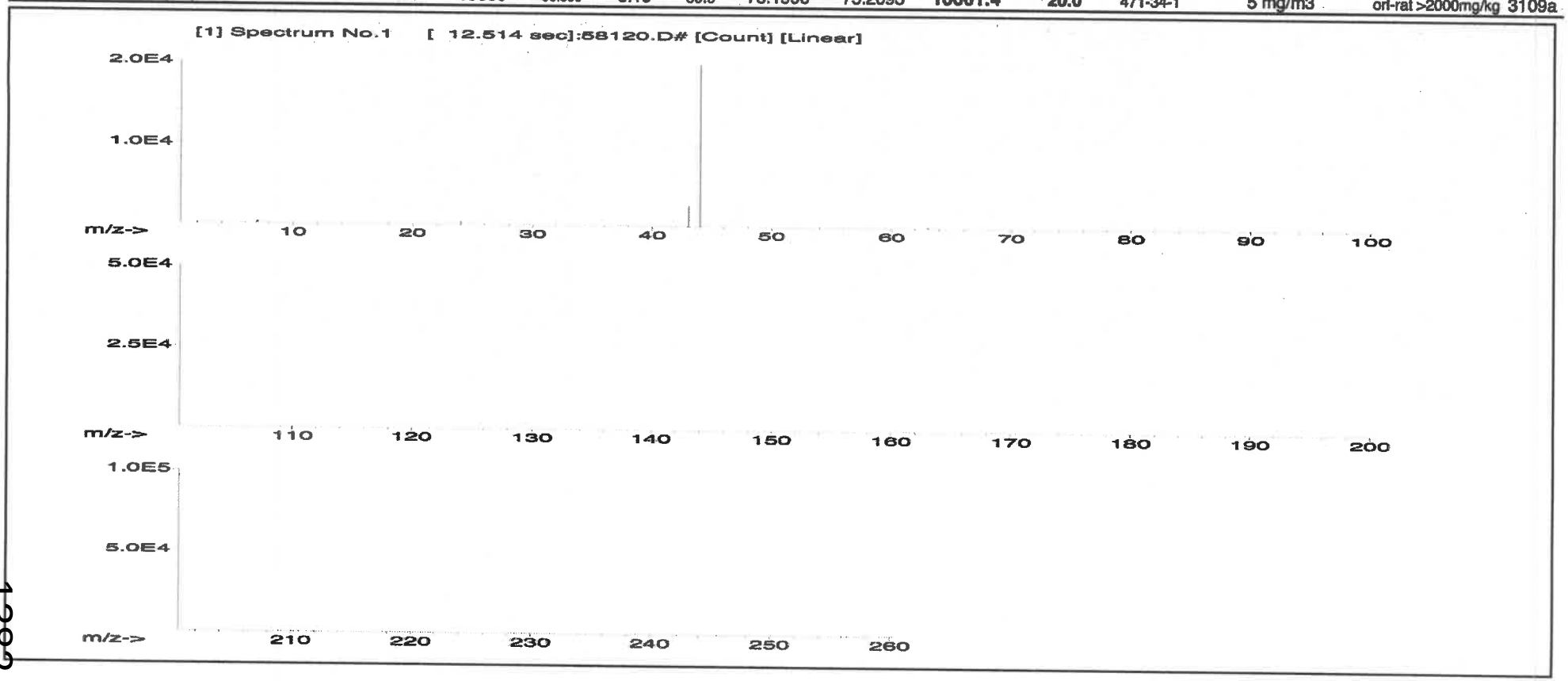
Expiration Date: 031526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41 ± 0.058 Flask Uncertainty

		Lot #	
Solvent:	21110221	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	

Giovanni Esposito
Formulated By: Giovanni Esposito 031523

Pedro Rentas
Reviewed By: Pedro L. Rentas 031523

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Calcium carbonate (Ca)	IN014	CAD072022A1	10000	99.999	0.10	39.9	75.1990	75.2093	**10001.4**	**20.0**	471-34-1	5 mg/m3	orl-rat >2000mg/kg	3109a



1382

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	T	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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CERTIFIED WEIGHT REPORT:

Part Number: 58120
Lot Number: 031523
Description: Calcium (Ca)

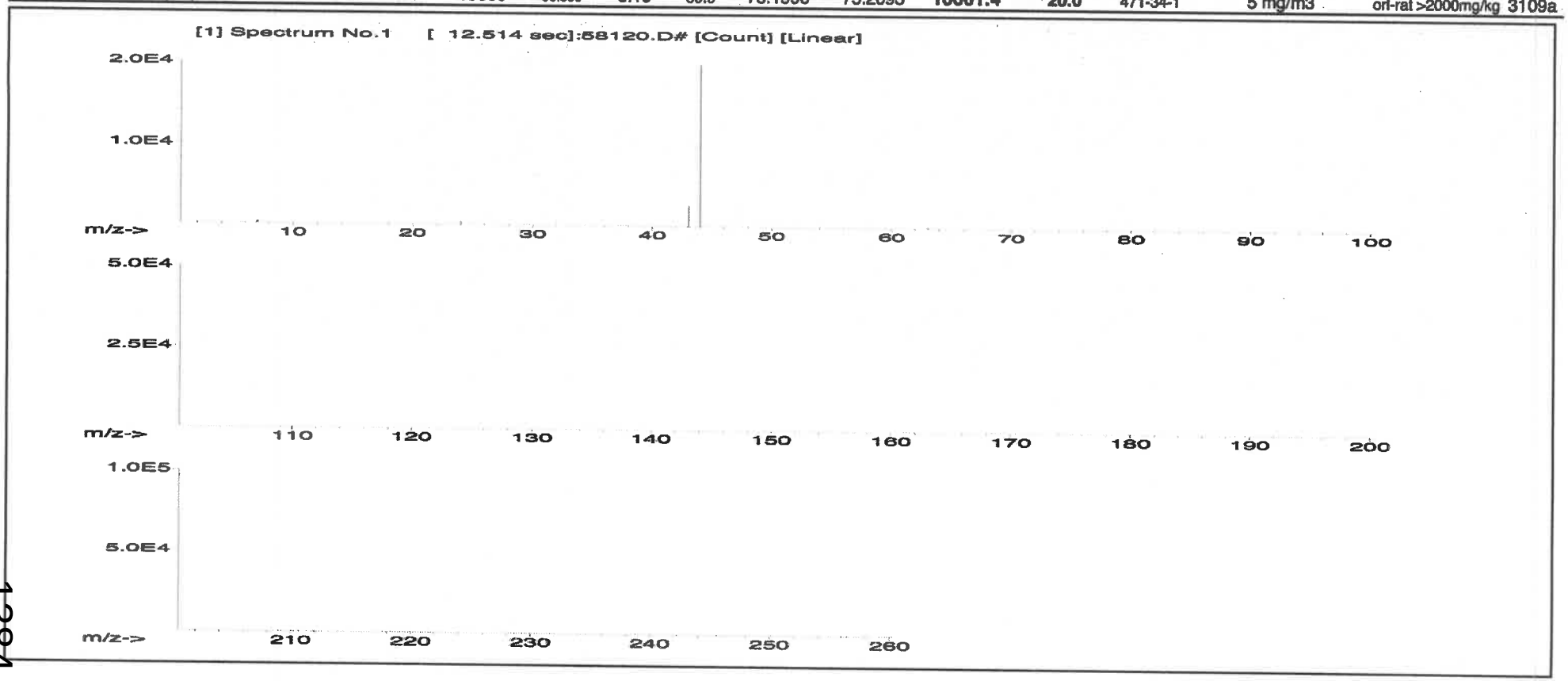
Expiration Date: 031526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41 ± 0.058 Flask Uncertainty

		Lot #	
Solvent:	21110221	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	
		5E-05	Balance Uncertainty

Giovanni Esposito
Formulated By: Giovanni Esposito 031523

Pedro Rentas
Reviewed By: Pedro L. Rentas 031523

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Calcium carbonate (Ca)	IN014	CAD072022A1	10000	99.999	0.10	39.9	75.1990	75.2093	**10001.4**	**20.0**	471-34-1	5 mg/m3	orl-rat >2000mg/kg	3109a



1384

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	T	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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T-385

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MS513 R:03/17/23

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CERTIFIED WEIGHT REPORT:

Part Number: 57182
Lot Number: 061522
Description: Lead (Pb)

Expiration Date: 061525
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

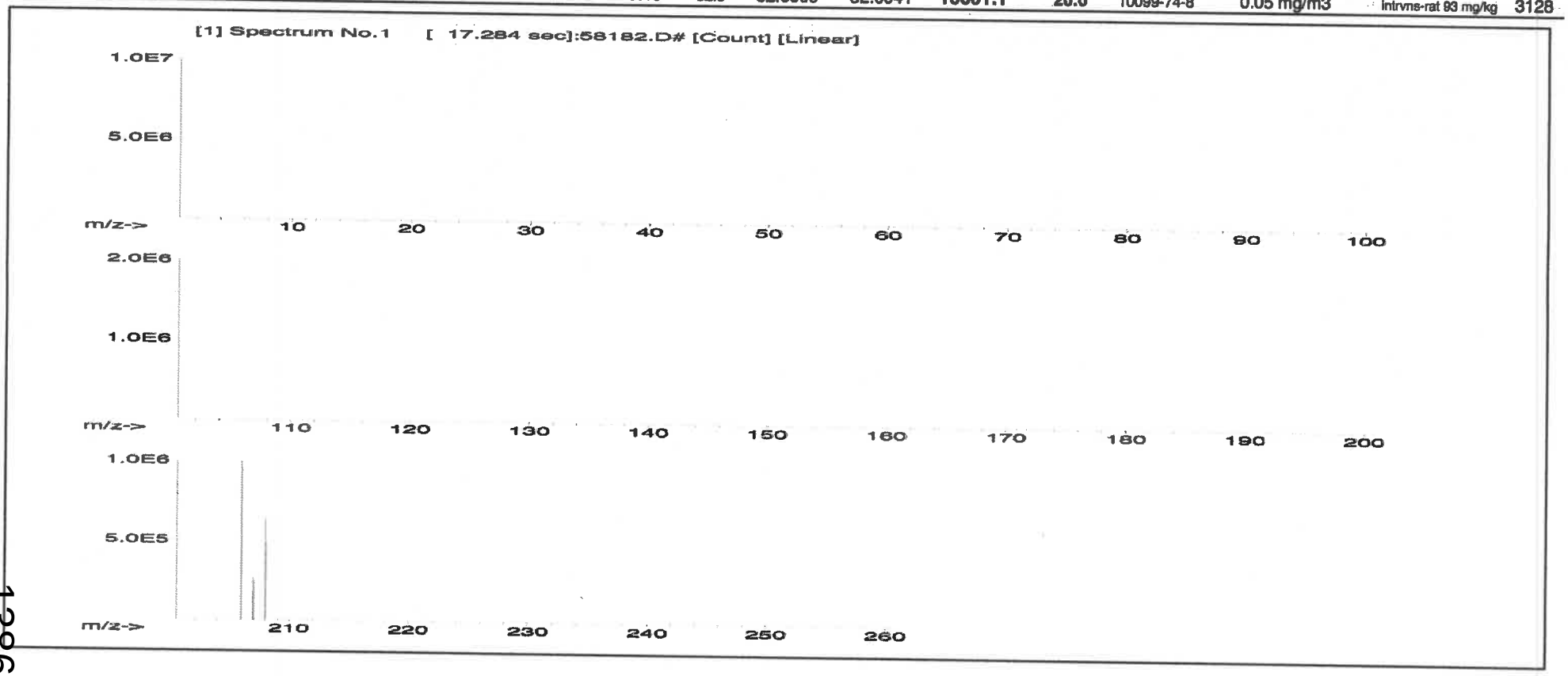
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Giovanni Esposito

Formulated By:	Giovanni Esposito	061522
Reviewed By:	Pedro L. Rentas	061522

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lead(II) nitrate (Pb)	IN029	PBD122016A1	10000	99.999	0.10	62.5	32.0006	32.0041	**10001.1**	**20.0**	10099-74-8	0.05 mg/m3	Intrvns-rat 93 mg/kg	3128



1386

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	T	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

T387

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M5514 , M5515 R: 03/17/23

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1388

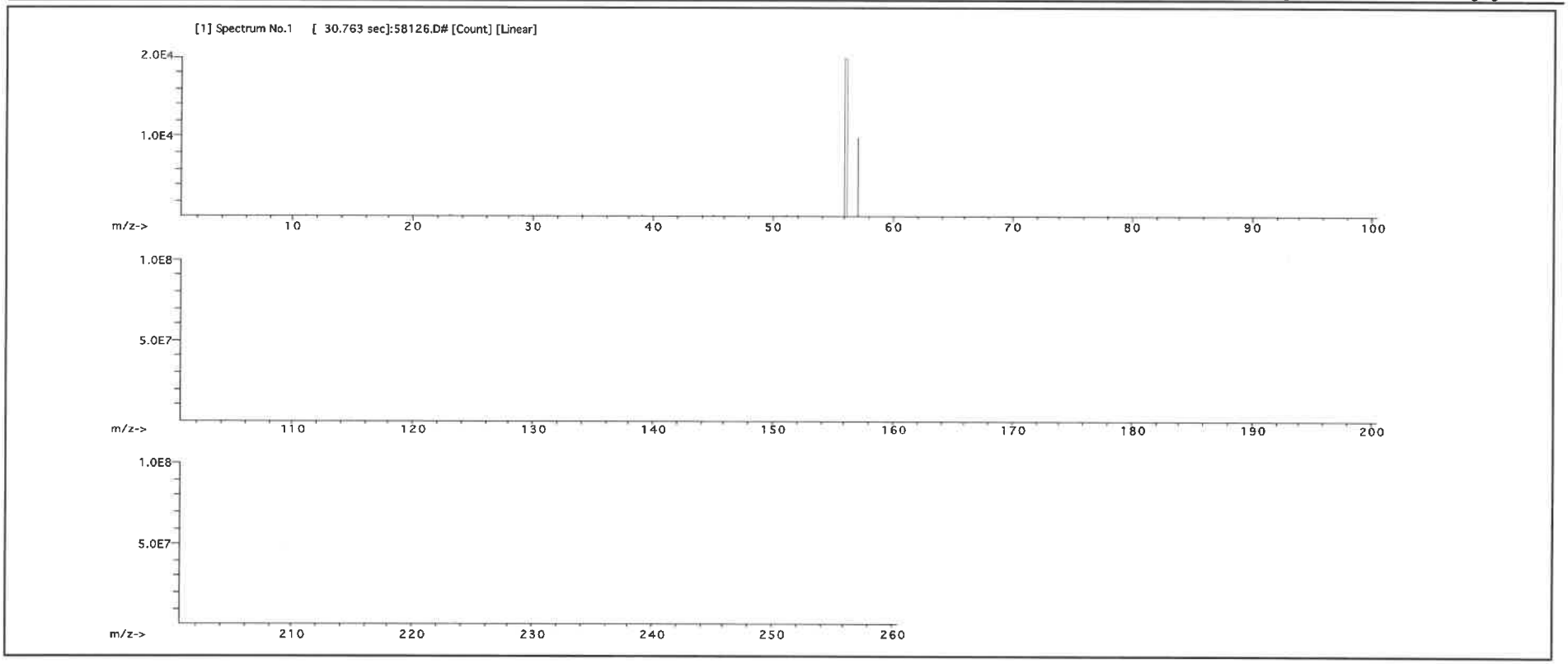
CERTIFIED WEIGHT REPORT:

Part Number:	**58126**		**Lot #**		
Lot Number:	**092122**	**Solvent:**	20510011	Nitric Acid	
Description:	**Iron (Fe)**	7.0%	350.0 (mL)	Nitric Acid	
Expiration Date:	092125				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	5000.1	0.12	Flask Uncertainty		

Giovanni Esposito

Formulated By:	Giovanni Esposito	092122
Reviewed By:	Pedro L. Rentas	092122

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Iron (Fe)	IN346	2224912-500	10000	99.995	0.10	100.0	50.0034	50.0111	**10001.5**	**20.0**	7439-89-6	5 mg/m3	orl-rat 7500mg/kg	3126a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.10	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.10	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.05	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.10	Ge	<0.10	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.05
B	<0.02	Cu	<0.10	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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13389

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1390

CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 120822
Description: Potassium (K)

Expiration Date: 120825
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

Weight shown below was diluted to (mL): 3000.4 ± 0.06 Flask Uncertainty

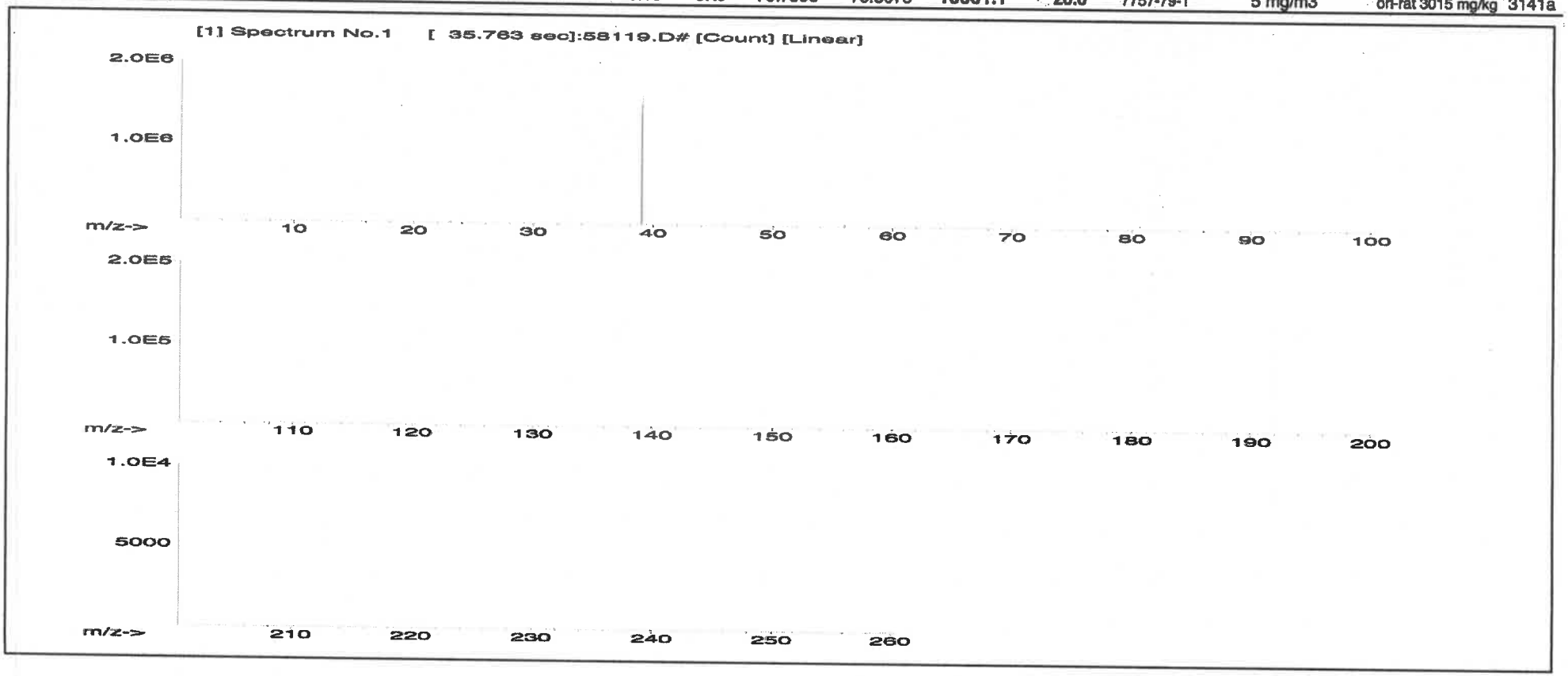
		Lot #	
Solvent:	20510011		Nitric Acid
	2%	60.0 (mL)	Nitric Acid

5E-05 Balance Uncertainty

Giovanni Esposito

Formulated By:	Giovanni Esposito	120822
Reviewed By:	Pedro L. Rentas	120822

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Potassium nitrate (K)	IN034	KD022021A1	10000	99.999	0.10	37.6	79.7990	79.8075	**10001.1**	**20.0**	7757-79-1	5 mg/m3	orl-rat 3015 mg/kg	3141a



1391

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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M5658 R ! 8/25/23

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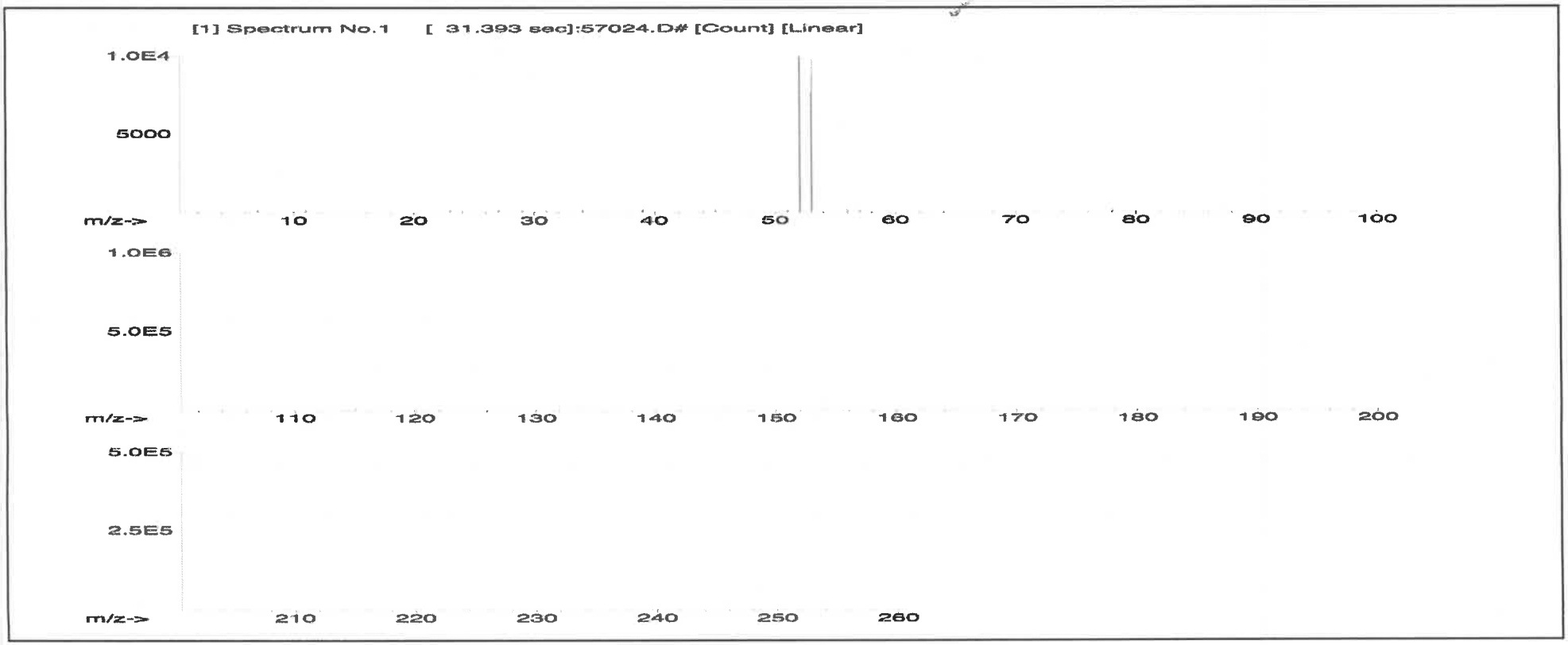
1392

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58024**	21110221	Nitric Acid	
Lot Number:	**060523**			
Description:	**Chromium (Cr)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	060526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	060523
Reviewed By:	Pedro L. Rentas	060523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Chromium(III) nitrate nonahydrate (Cr)	58124	071122	0.1000	200.0	0.084	1000	10000.1	**1000.0**	**2.2**	7789-02-8	0.5 mg(Cr)/m3	orl-rat 3250 mg/kg	3112a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	T	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M5697 R: 10/27/23

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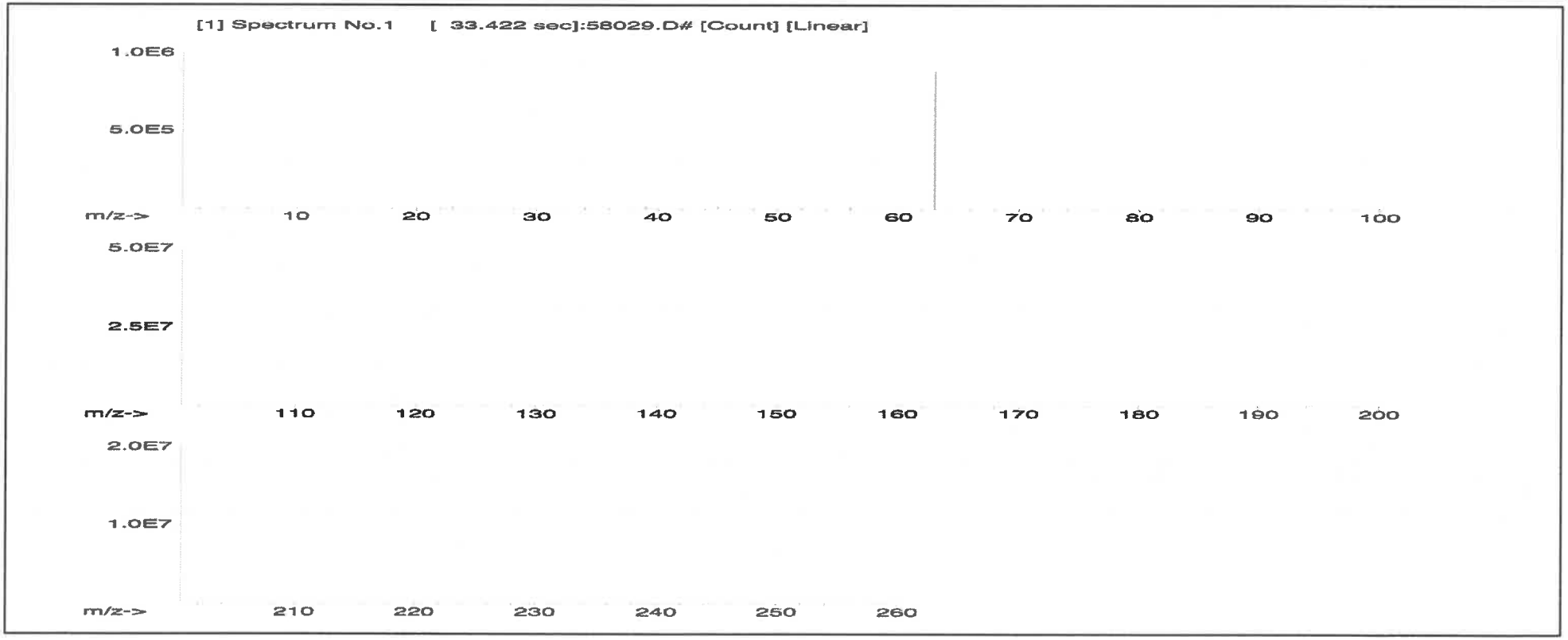
1394

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58029**	24002546	Nitric Acid	
Lot Number:	**102523**			
Description:	**Copper (Cu)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	102526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Benson Chan	102523
Reviewed By:	Pedro L. Rentas	102523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Copper(II) nitrate trihydrate (Cu)	58129	100223	0.1000	200.0	0.084	1000	10000.1	**1000.0**	**2.2**	10031-43-3	1 mg/m3	orl-rat 794 mg/kg	3114



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	T	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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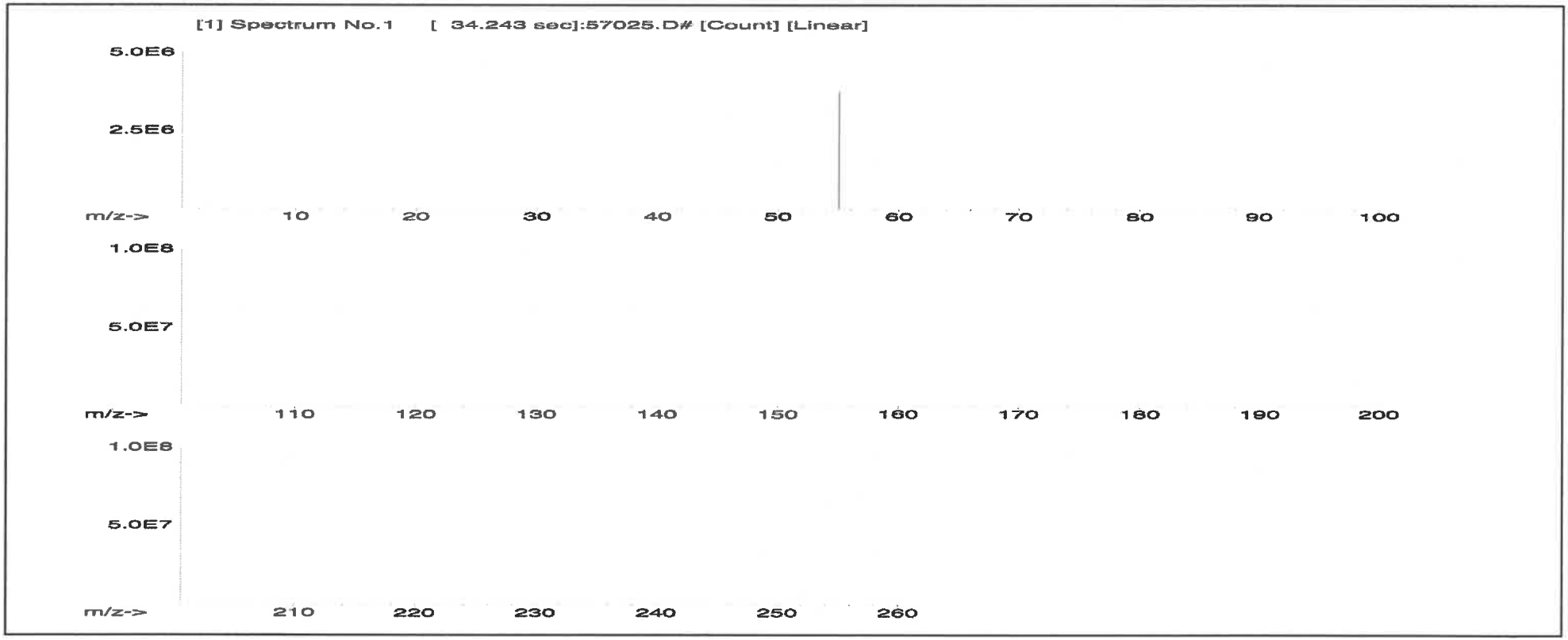
1396

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**58025**	24002546	Nitric Acid		
Lot Number:	**102623**				
Description:	**Manganese (Mn)**	2.0%	60.0 (mL)	Nitric Acid	
Expiration Date:	102626				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	3000.41	0.058	Flask Uncertainty		

Formulated By:	Benson Chan	102623
Reviewed By:	Pedro L. Rentas	102623

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Manganese(II) nitrate tetrahydrate (Mn)	58125	071123	0.1000	300.0	0.084	1000	10000.1	**1000.0**	**2.1**	20694-39-7	5 mg/m3	orl-rat >300mg/kg	3132



1397

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	T	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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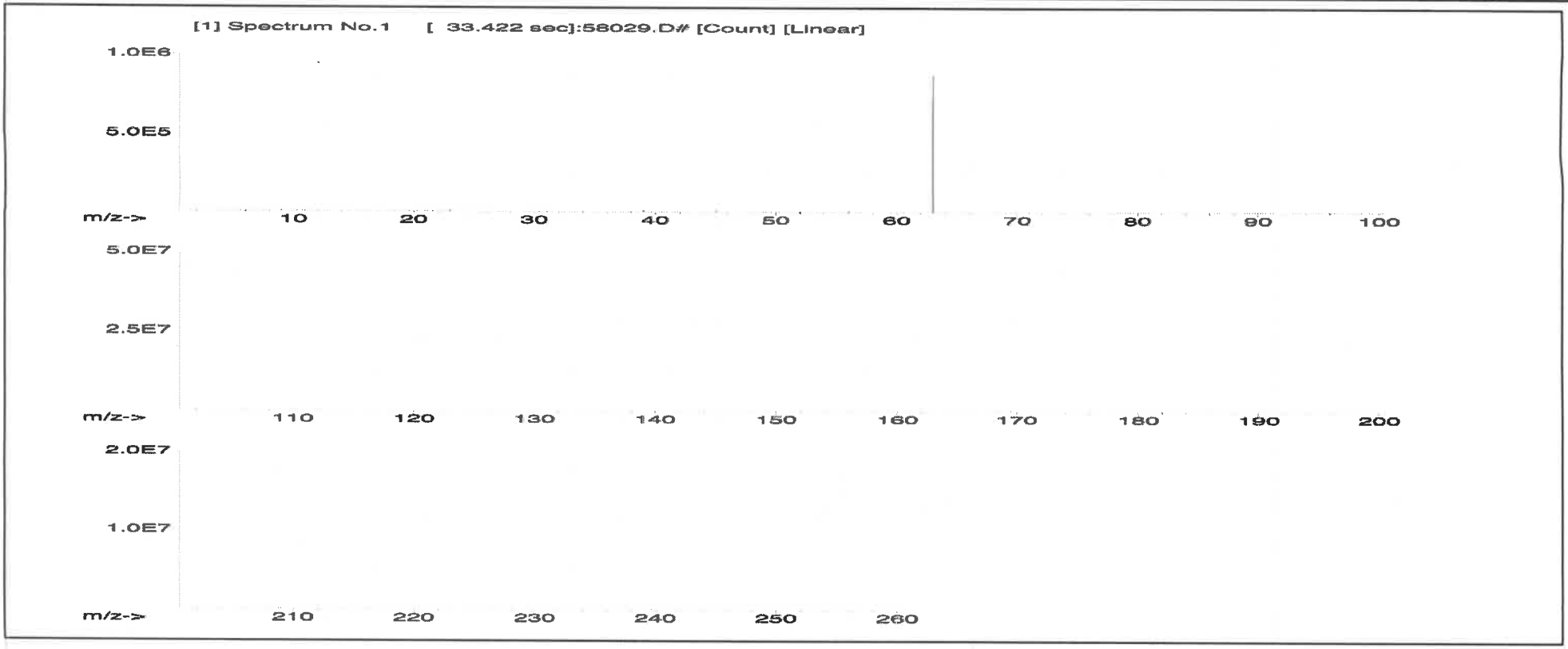
1398

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58029**	21110221	Nitric Acid	
Lot Number:	**071723**			
Description:	**Copper (Cu)**	2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	071726			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Benson Chan 071723
Reviewed By:	Pedro L. Rentas 071723

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Copper(II) nitrate trihydrate (Cu)	58129	022723	0.1000	200.0	0.084	1000	10000.5	**1000.0**	**2.2**	10031-43-3	1 mg/m3	orl-rat 794 mg/kg	3114



13990

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	T	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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M5768 M5769 (BP) R:1/3/24

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1400

CERTIFIED WEIGHT REPORT:

Part Number: 58112
Lot Number: 091823
Description: Magnesium (Mg)

Expiration Date: 091826
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

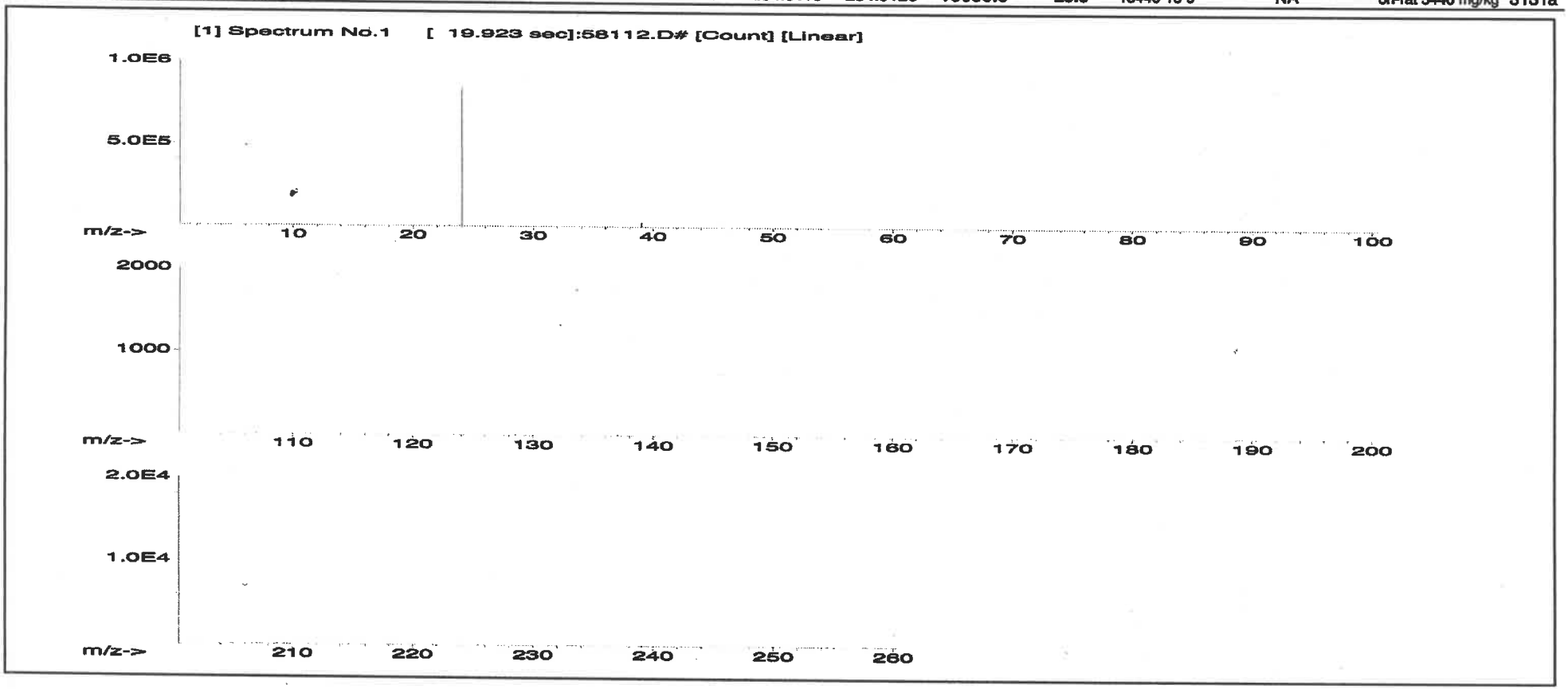
		Lot #	
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

M5768, M5769 (BP) R: 1/3/24

Formulated By:	Lawrence Barry	091823
Reviewed By:	Pedro L. Rentas	091823

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Magnesium nitrate hexahydrate (Mg)	IN030	MGD052023A1	10000	99.999	0.10	8.51	234.9118	234.9126	**10000.0**	**20.0**	13446-18-9	NA	ori-rat 5440 mg/kg	3131a



1401

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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M5768 M5769 (BP) R:1/3/24

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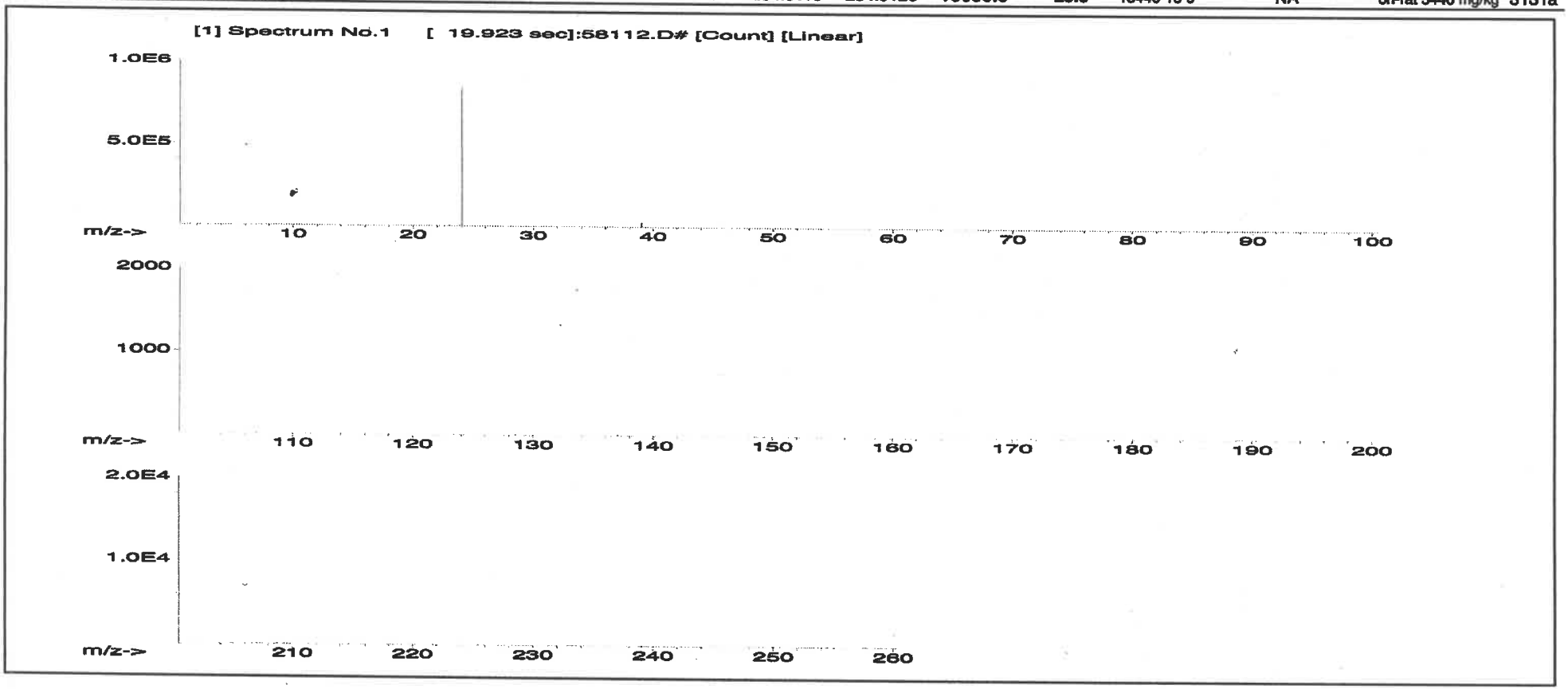
1402

CERTIFIED WEIGHT REPORT:

			Lot #	
Part Number:	**58112**	**Solvent:**	24002546	Nitric Acid
Lot Number:	**091823**			
Description:	**Magnesium (Mg)**	2%	40.0 (mL)	Nitric Acid
Expiration Date:	091826			
Recommended Storage:	Ambient (20 °C)	M5768, M5769 (BP) R: 1/3/24		
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05 Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058 Flask Uncertainty		

Formulated By:	Lawrence Barry 091823
Reviewed By:	Pedro L. Rentas 091823

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Magnesium nitrate hexahydrate (Mg)	IN030	MGD052023A1	10000	99.999	0.10	8.51	234.9118	234.9126	**10000.0**	**20.0**	13446-18-9	NA	ori-rat 5440 mg/kg	3131a



1403

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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R: 02/09/24 M5798

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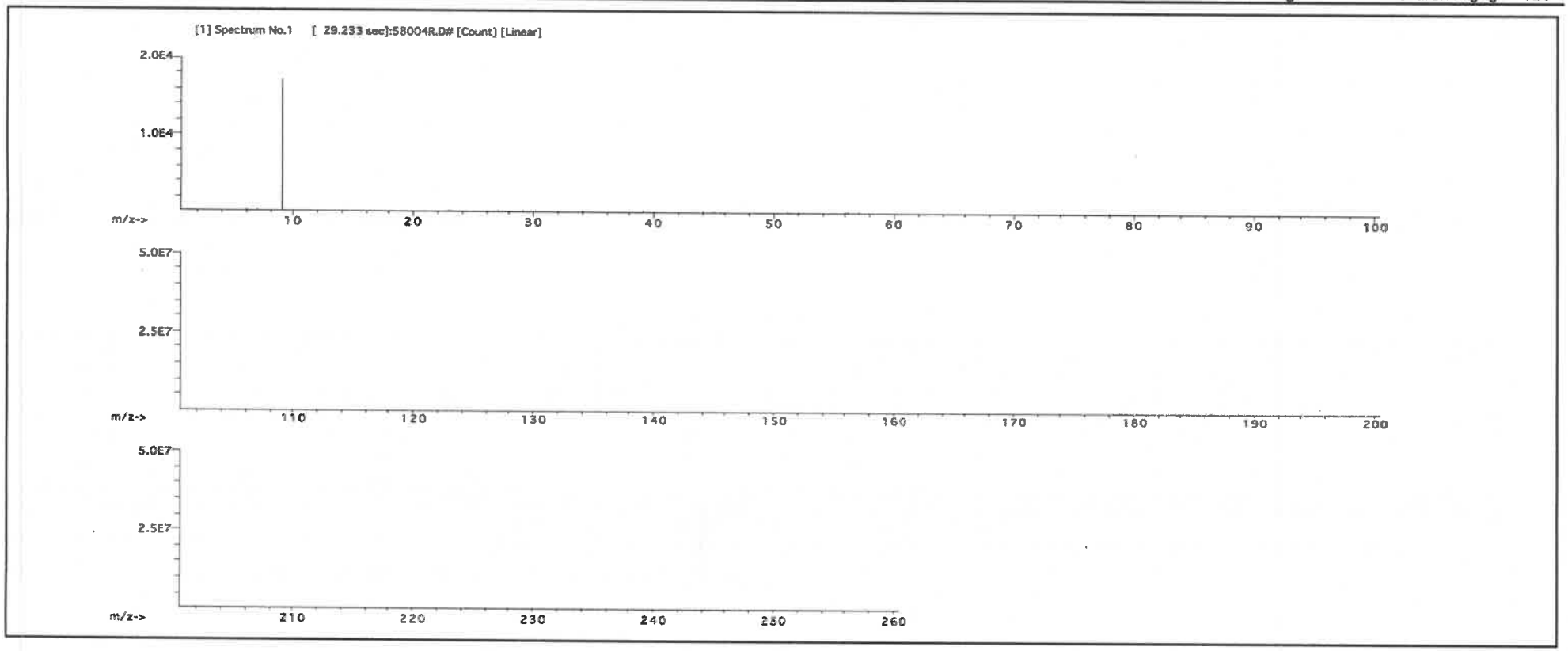
1404

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57004**	24002546	Nitric Acid	
Lot Number:	**102523**			
Description:	**Beryllium (Be)**	2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	102526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Benson Chan	102523
Reviewed By:	Pedro L. Rentas	102523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Beryllium nitrate (Be)	58104	091423	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13597-99-4	0.2ug/m3	intrvns-rat 3.16mg/kg	NA



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	T	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

1405

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1406

CERTIFIED WEIGHT REPORT:

Part Number: 57050
Lot Number: 071123
Description: Tin (Sn)

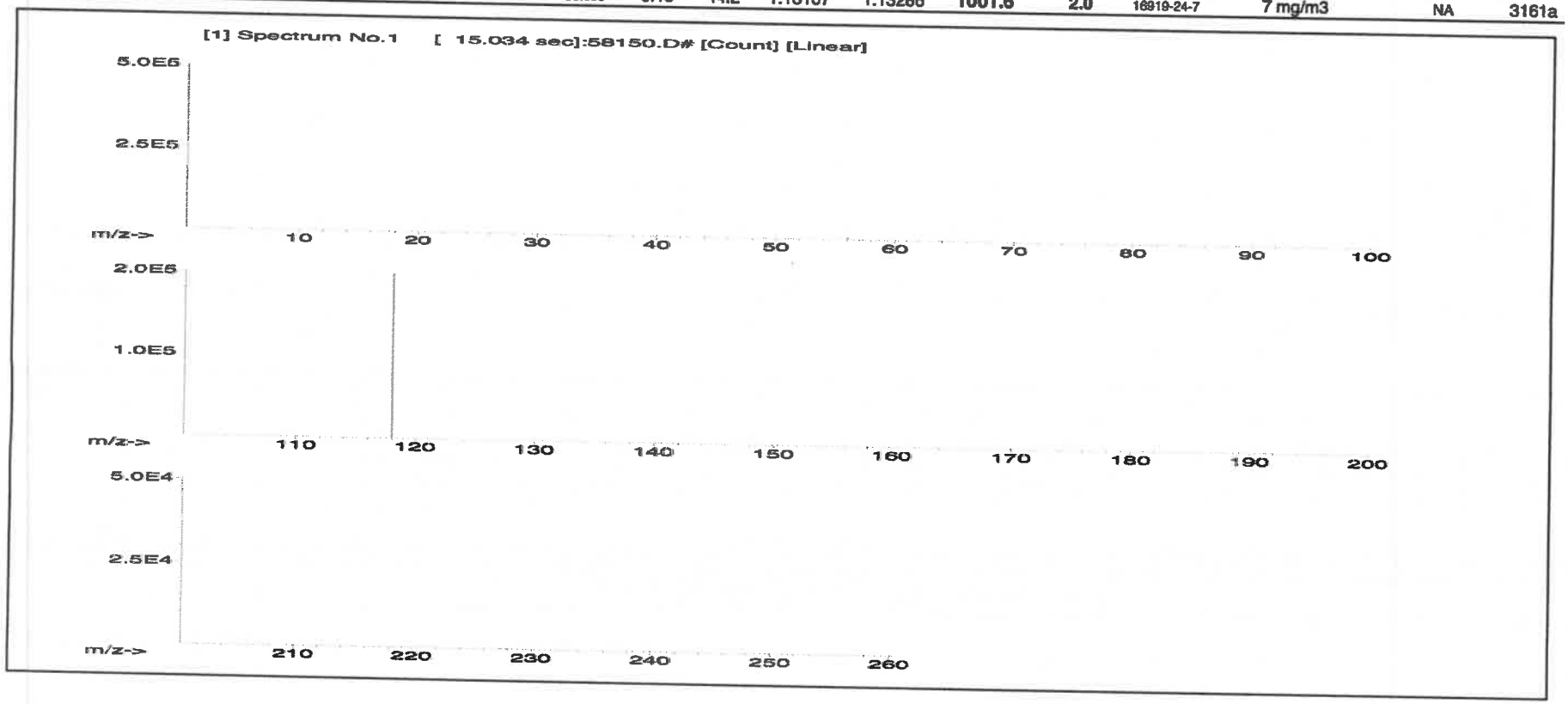
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93

	Lot #	
Solvents:	21110221	Nitric Acid
	22D0562008	Hydrochloric acid
2%	10.0	Nitric Acid
6%	30.0	Hydrochloric acid
	(mL)	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Benson Chan	071123
Reviewed By:	Pedro L. Rentas	071123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium hexafluorostannate(IV) (Sn)	IN010	SND042023A1	1000	99.999	0.10	44.2	1.13107	1.13286	**1001.6**	**2.0**	16919-24-7	7 mg/m3	NA	3161a



1407

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<500	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	T	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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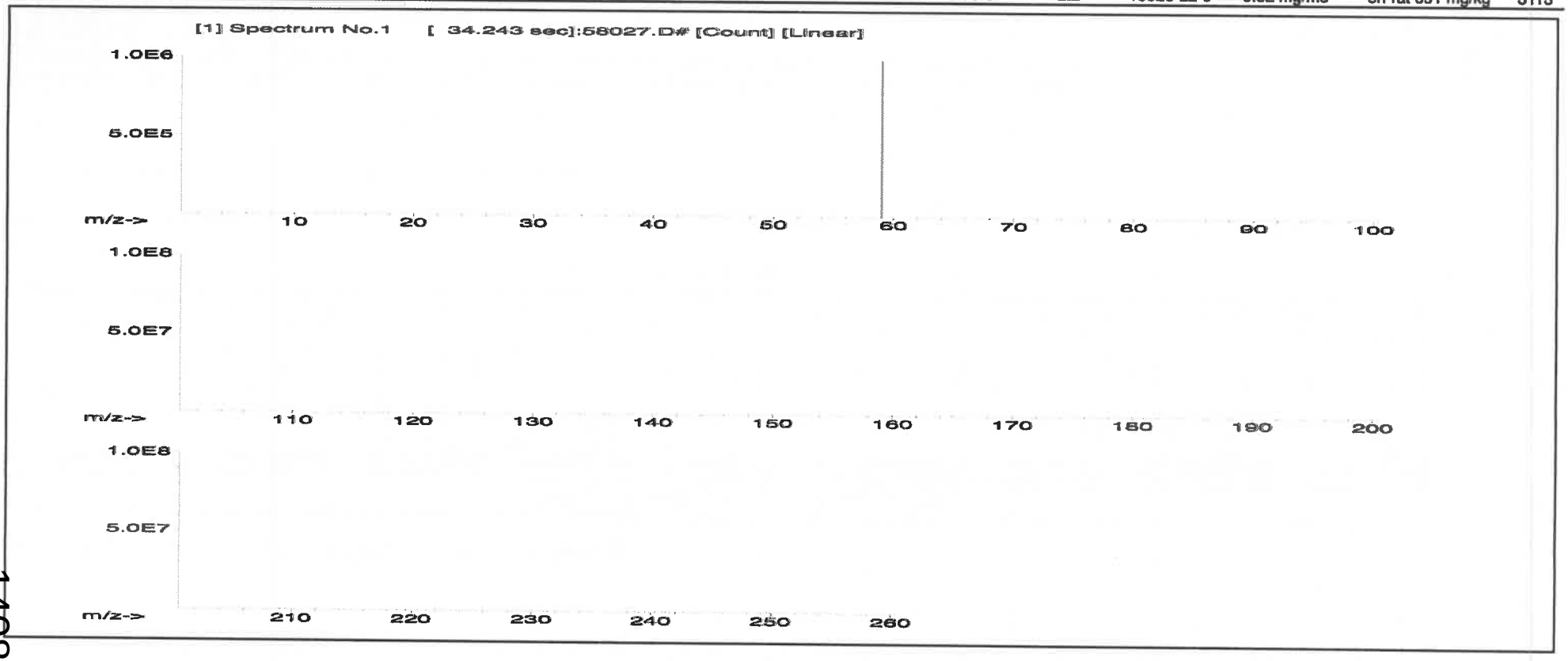
CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57027**	24002546	Nitric Acid		
Lot Number:	**091923**				
Description:	**Cobalt (Co)**				
		2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	091926				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

	Formulated By:	Lawrence Barry	091923
	Reviewed By:	Pedro L. Rentas	091923

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cobalt(II) nitrate hexahydrate (Co)	58127	050923	0.1000	200.0	0.084	1000	10000.0	**1000.0**	**2.2**	10026-22-9	0.02 mg/m3	orl-rat 691 mg/kg	3113



1408

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	T	Gé	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

1409

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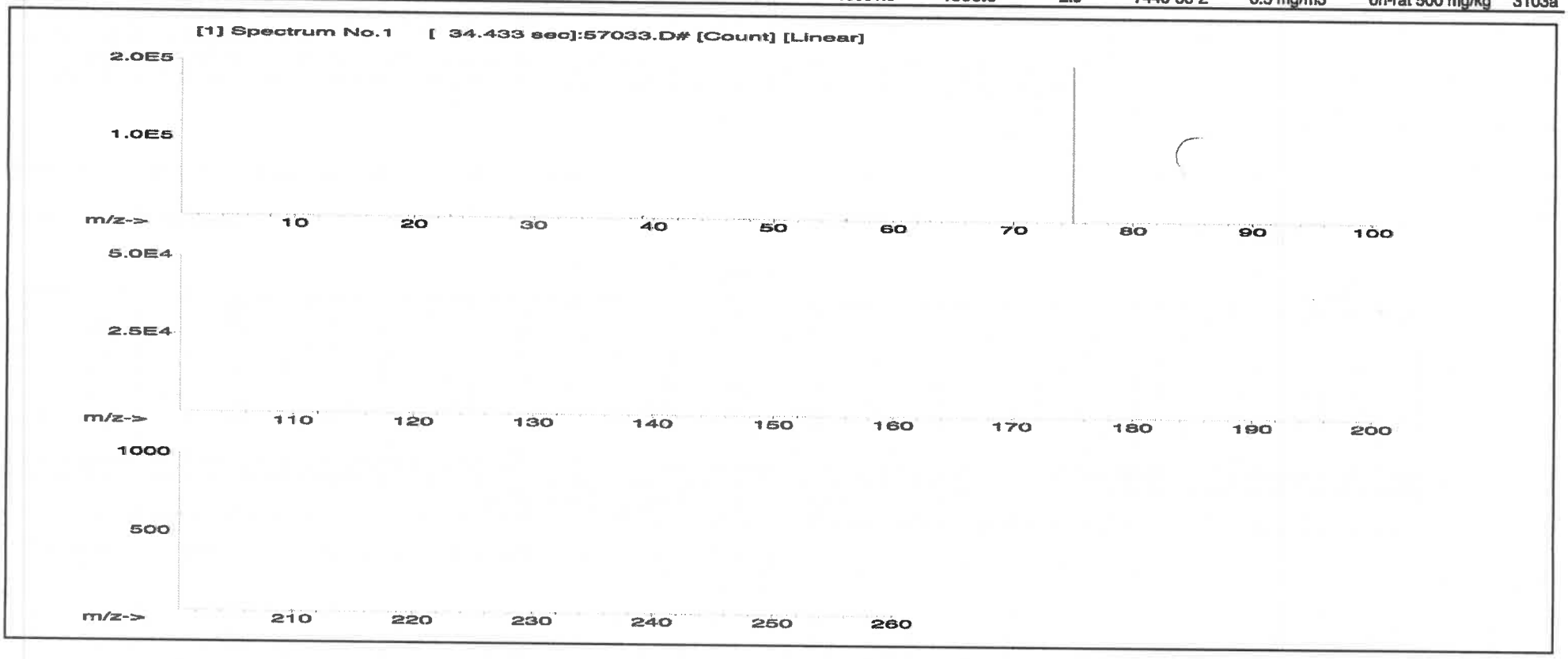
1410

CERTIFIED **WEIGHT** REPORT:

		Lot #	Solvent:		
Part Number:	**57033**				
Lot Number:	**111323**	24002546	Nitric Acid		
Description:	**Arsenic (As)**				
		2.0%	80.0 (mL)	Nitric Acid	
Expiration Date:	111326				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty		

Formulated By:	Lawrence Barry	111323
Reviewed By:	Pedro L. Rentas	111323

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Arsenic (As)	58133	020522	0.1000	400.0	0.084	1000	10001.0	**1000.0**	**2.0**	7440-38-2	0.5 mg/m3	orl-rat 500 mg/kg	3103a



14111

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	T	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge*	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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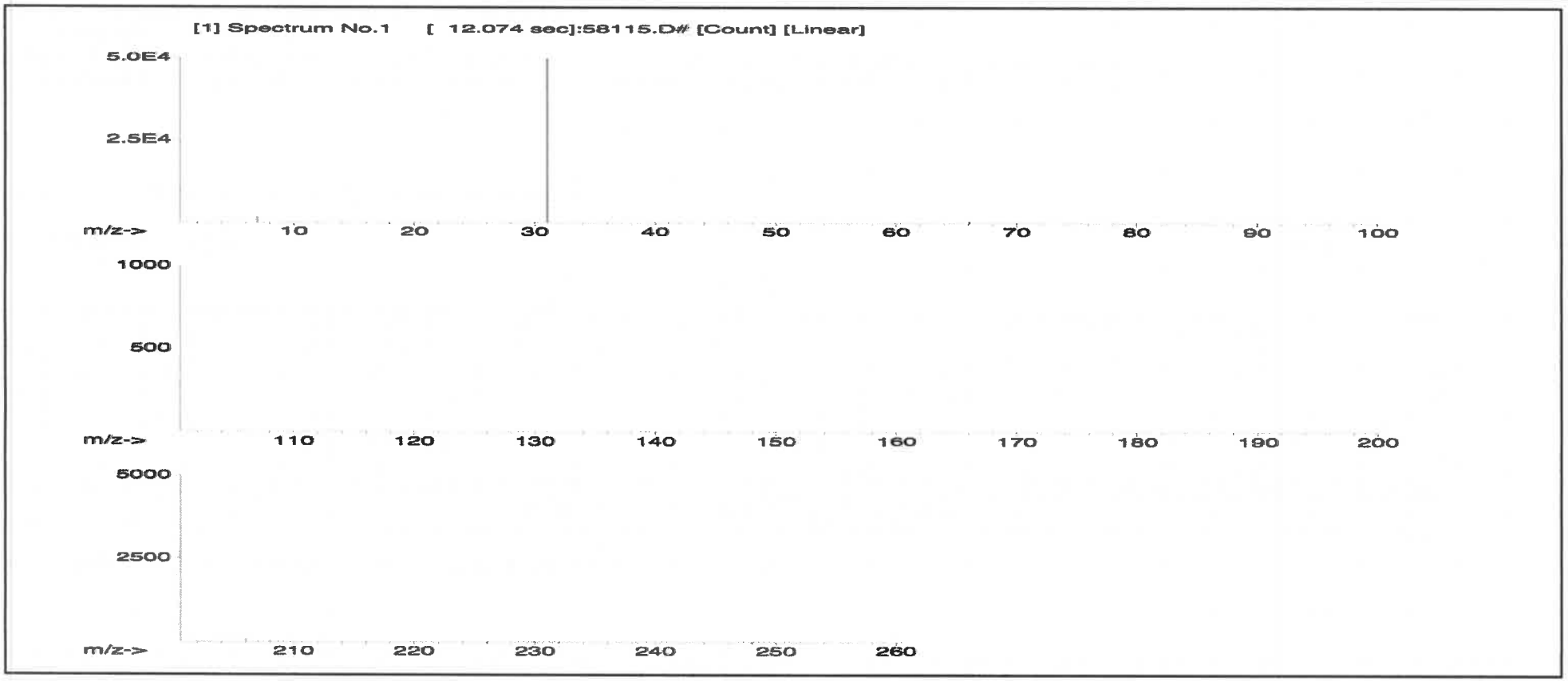
1412

CERTIFIED WEIGHT REPORT:

			Lot #	
Part Number:	**57115**	**Solvent:**	21110221	Nitric Acid
Lot Number:	**041723**			
Description:	**Phosphorous (P)**	2%	40.0 (mL)	Nitric Acid
Expiration Date:	041726			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	041723
Reviewed By:	Pedro L. Rentas	041723

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium dihydrogen phosphate (P)	IN008	PV082019A1	10000	99.999	0.10	27.5	72.7287	72.7289	**10000.0**	**20.0**	7722-76-1	5 mg/m3	orl-rat >2000mg/kg	3186



Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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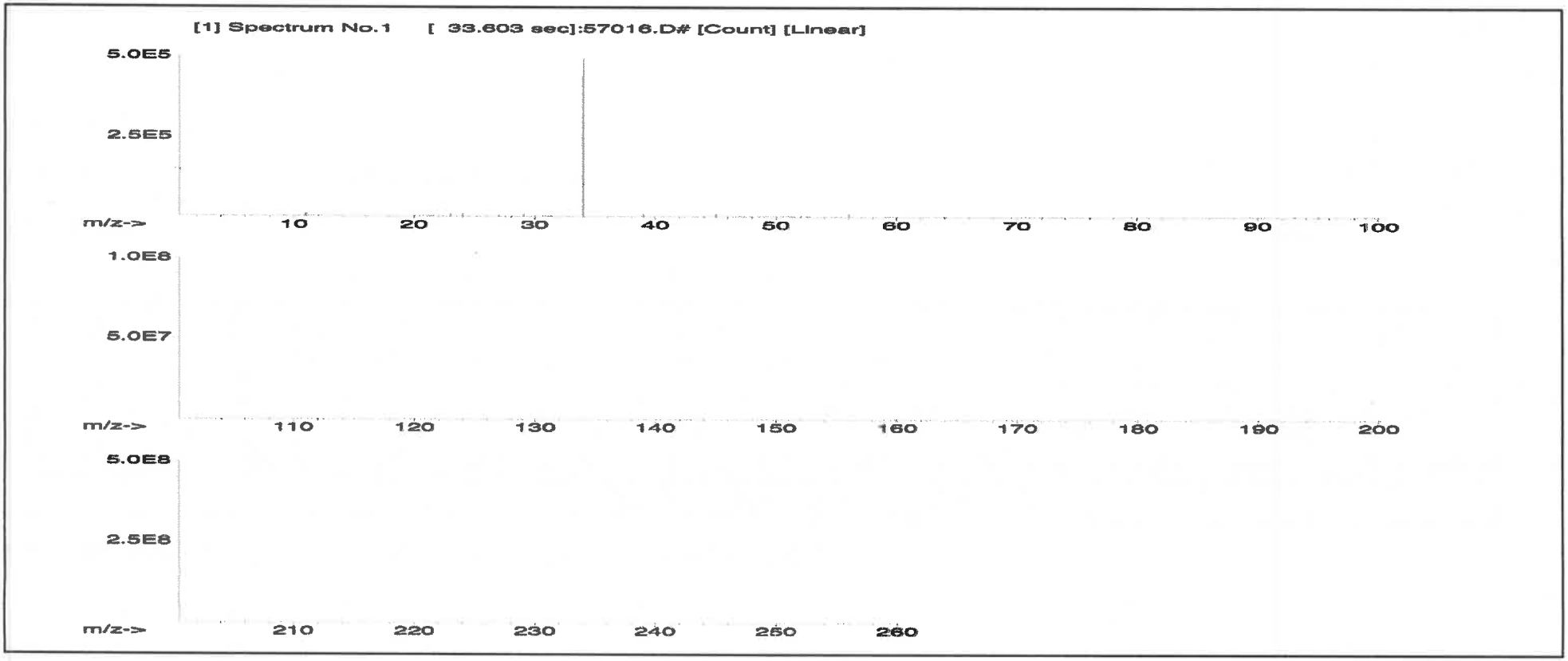
1414

CERTIFIED WEIGHT REPORT:

Part Number:	**57016**	**Solvent:**	**Lot #** 122923	ASTM Type 1 Water
Lot Number:	**122923**			
Description:	**Sulfur (S)**			
Expiration Date:	122926			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty	

Formulated By:	Benson Chan	122923
Reviewed By:	Pedro L. Rentas	122923

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium sulfate (S)	IN117	SLBR7225V	1000	99.9	0.10	24.3	16.4979	16.4980	**1000.0**	**2.0**	7783-20-2	NA	orl-rat 4250mg/kg	3181



1415

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	T	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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Certified Reference Material CRM

R: 02/09/24 M5817

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1416

CERTIFIED WEIGHT REPORT:

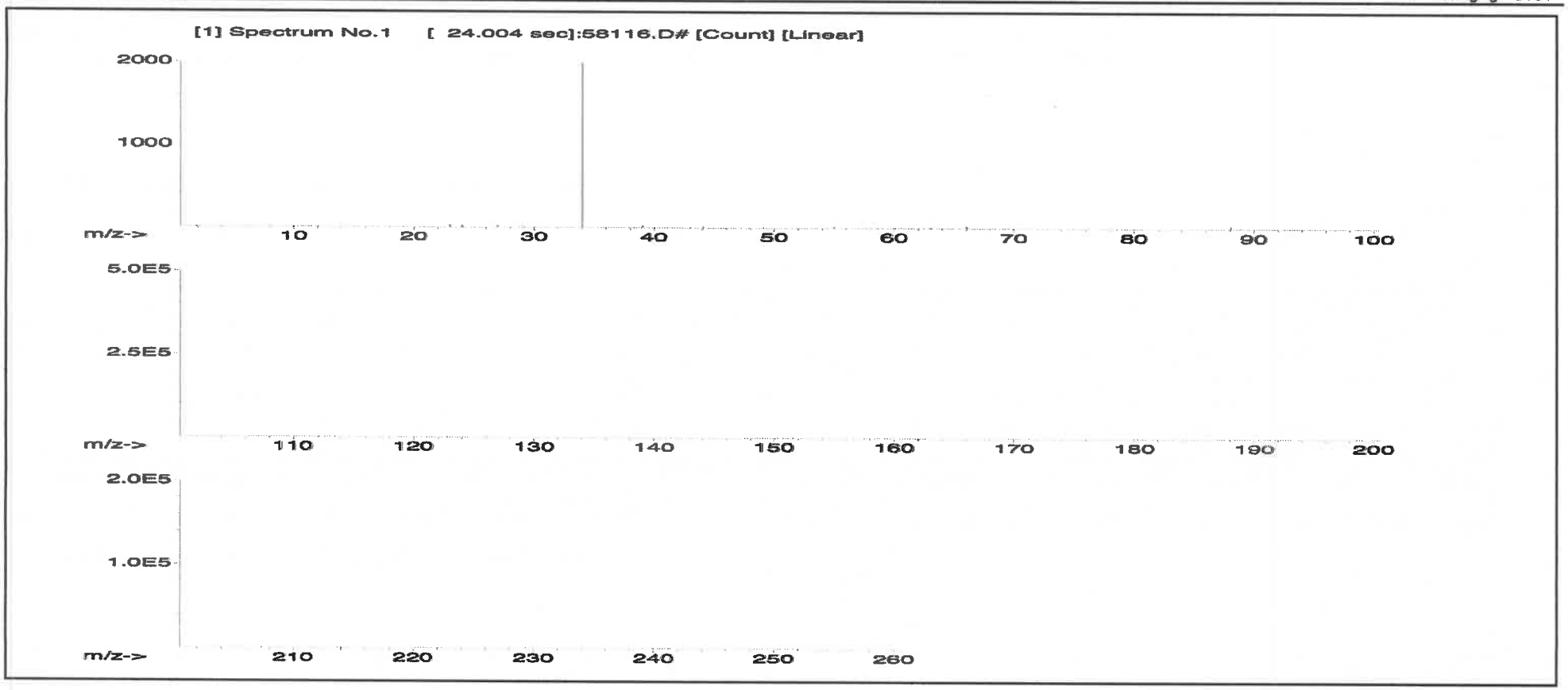
Part Number: 57116
Lot Number: 071123
Description: Sulfur (S)

Lot #
Solvent: 071123 ASTM Type 1 Water

Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB 5E-05 Balance Uncertainty
Weight shown below was diluted to (mL): 1999.48 0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	071123
Reviewed By:	Pedro L. Rentas	071123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium sulfate (S)	IN117	SLBR7225V	10000	99.9	0.10	24.3	82.4675	82.4682	**10000.1**	**20.0**	7783-20-2	NA	orl-rat 4250mg/kg	3181



141

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	T	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

R: 02/09/24 M.5818

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1418

CERTIFIED WEIGHT REPORT:

Part Number: 57014
Lot Number: 122023
Description: Silicon (Si)

Expiration Date: 122026
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

Weight shown below was diluted to (mL): 1999.48 0.058 Flask Uncertainty

Lot #

Solvent: 24002546 Nitric Acid

2% 40.0 (mL) Nitric Acid

5E-05 Balance Uncertainty

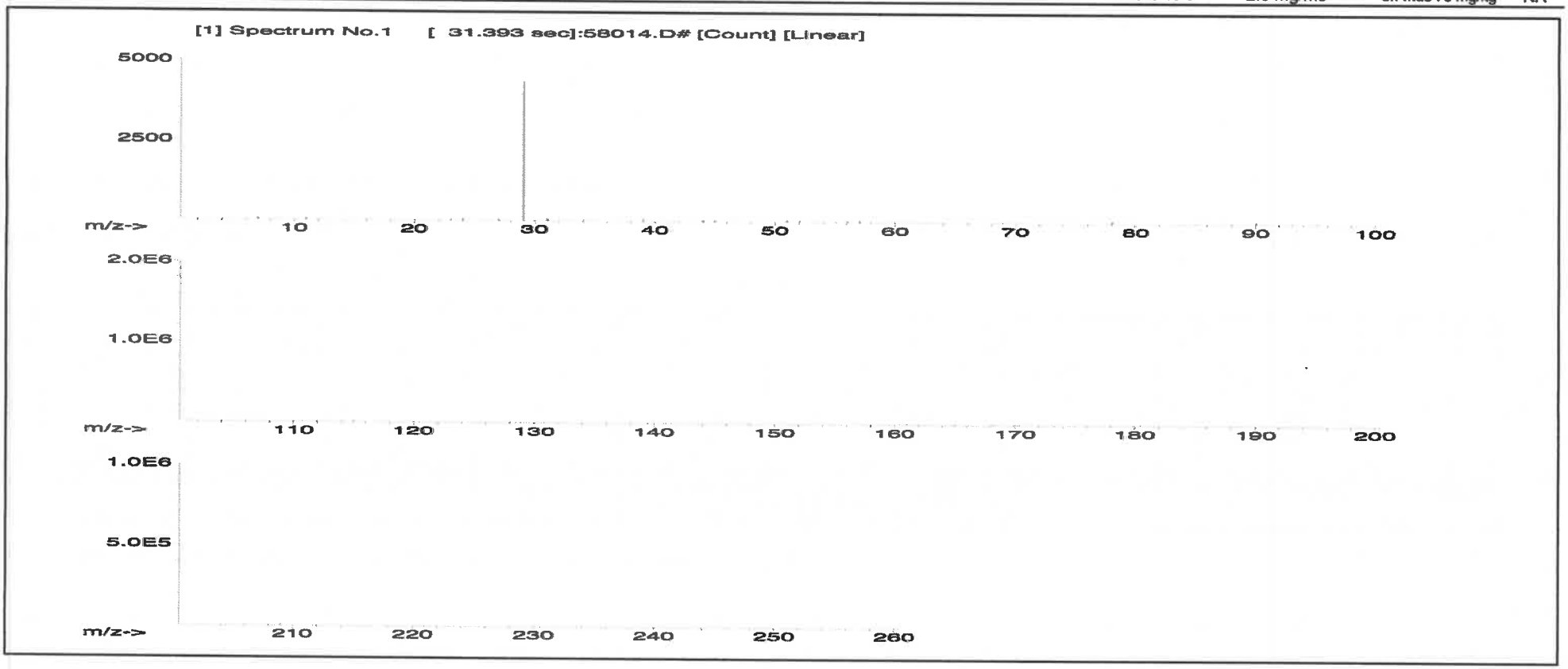
Aleah O'Brady

Formulated By: Aleah O'Brady 122023

Pedro Rentas

Reviewed By: Pedro L. Rentas 122023

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium hexafluorosilicate (Si)	IN009	SID082022A1	1000	99.999	0.10	14.4	13.8854	13.8855	**1000.0**	**2.0**	16919-19-0	2.5 mg/m3	orl-mus 70 mg/kg	NA



14199

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	T	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

R: 02/09/24 M5819

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1420

CERTIFIED WEIGHT REPORT:

Part Number: 58030
Lot Number: 111623
Description: Zinc (Zn)

Expiration Date: 111626
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

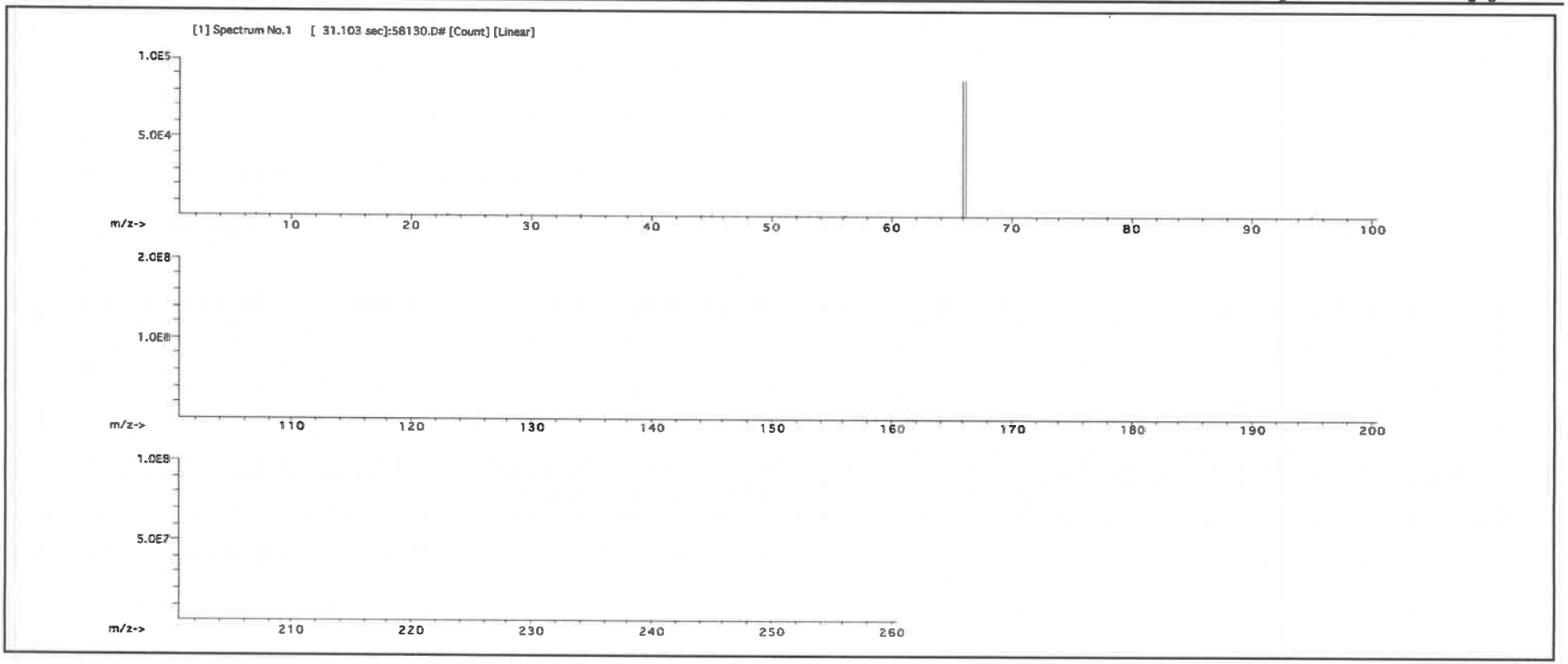
Weight shown below was diluted to (mL): 3000.4 0.06 Flask Uncertainty

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Formulated By:	Benson Chan	111623
Reviewed By:	Pedro L. Rentas	111623

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Zinc nitrate hexahydrate (Zn)	IN016	ZNE032021A1	1000	99.999	0.10	24.3	12.3475	12.3502	**1000.2**	**2.0**	10196-18-6	1 mg/m3	orl-rat 1190mg/kg	3168



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	T
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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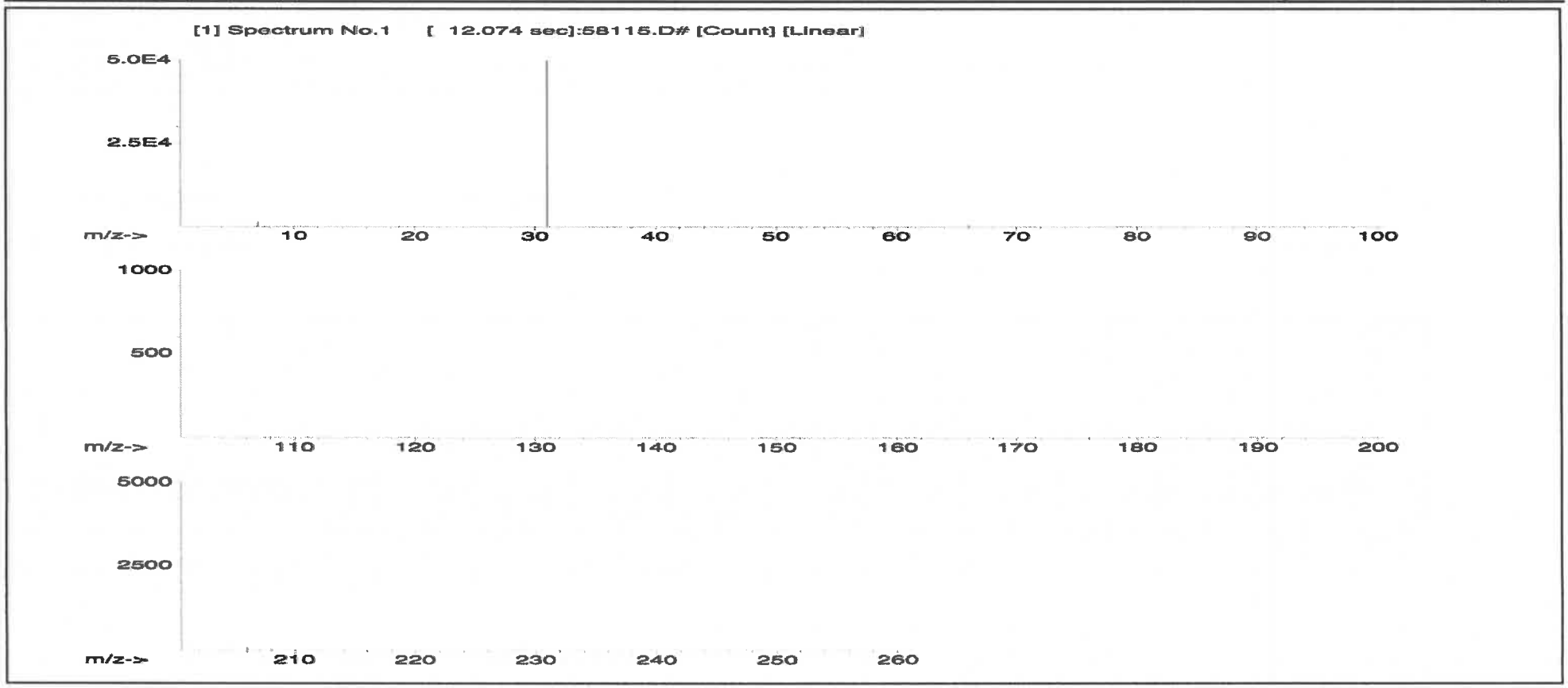
1422

CERTIFIED WEIGHT REPORT:

Part Number:	**57015**		**Lot #**		
Lot Number:	**091123**	**Solvent:**	24002546	Nitric Acid	
Description:	**Phosphorous (P)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	091126				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	091123
Reviewed By:	Pedro L. Rentas	091123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium dihydrogen phosphate (P)	IN008	PV082019A1	1000	99.999	0.10	27.5	7.2729	7.2730	**1000.0**	**2.0**	7722-76-1	5 mg/m3	orl-rat >2000mg/k	3186



1423

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 863.01
ACCREDITED Reference Material Producer Certificate 863.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGY10
Lot Number:	V2-Y740548
Matrix:	2% (v/v) HNO3
Value / Analyte(s):	10 000 µg/mL ea: Yttrium
Starting Material:	Yttrium Oxide
Starting Material Lot#:	2661 and 06230520YL
Starting Material Purity:	99.9984%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 10000 ± 30 µg/mL

Density: 1.032 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1	**10011 ± 25 µg/mL** EDTA NIST SRM 928 Lot Number: 928
Assay Method #2	**9997 ± 50 µg/mL** ICP Assay NIST SRM 3167a Lot Number: 190730
Assay Method #3	**9984 ± 31 µg/mL** Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

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.

1424

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- 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/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.004600	M	Eu		0.009037	M	Na		0.086360	M	Se	<	0.005200	M	Zn		0.030125
M	Al		0.014862	O	Fe		0.002410	M	Nb	<	0.000570	O	Si		0.024100	O	Zr	<	0.002600
M	As	<	0.003500	M	Ga	<	0.000570	M	Nd		0.000923	M	Sm		0.000461				
M	Au	<	0.001700	M	Gd	<	0.003500	M	Ni	<	0.005700	M	Sn	<	0.002300				
O	B		0.002209	M	Ge	<	0.005200	M	Os	<	0.001200	M	Sr	<	0.004600				
O	Ba	<	0.002500	M	Hf	<	0.000570	n	P	<		M	Ta	<	0.000570				
O	Be	<	0.001400	M	Hg	<	0.000570	M	Pb		0.005020	M	Tb		0.001044				
M	Bi	<	0.003500	M	Ho		0.009037	M	Pd	<	0.005100	M	Te	<	0.002300				
O	Ca		0.009841	M	In	<	0.002300	M	Pr	<	0.002300	M	Th	<	0.000570				
M	Cd	<	0.000570	M	Ir	<	0.000570	M	Pt	<	0.000570	M	Ti	<	0.003500				
M	Ce	<	0.002300	O	K		0.018677	M	Rb	<	0.000570	M	Tl	<	0.000570				
M	Co	<	0.000570	M	La		0.000461	M	Re	<	0.000570	M	Tm	<	0.003500				
M	Cr	<	0.004000	O	Li	<	0.009300	M	Rh	<	0.008000	M	U	<	0.000570				
M	Cs	<	0.000570	M	Lu		0.000582	M	Ru	<	0.000570	M	V		0.001265				
M	Cu		0.002610	O	Mg		0.001486	n	S	<		M	W	<	0.002300				
M	Dy		0.003815	M	Mn		0.000582	M	Sb		0.005422	s	Y	<					
M	Er		0.003615	M	Mo	<	0.005700	M	Sc	<	0.001200	M	Yb		0.001827				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 88.91 +3 6 Y(OH)(H2O)x+2

Chemical Compatibility -Soluble in HCl, H2SO4 and HNO3. Avoid HF, H3PO4 and neutral to basic media. Stable with most metals and inorganic anions forming an insoluble carbonate, oxide, oxalate, and fluoride. Avoid mixing with elements / solutions containing moderate amounts of fluoride.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 2-5% HNO3 / LDPE container.

Y Containing Samples (Preparation and Solution) - Metal (Soluble in acids); Oxide (Dissolve by heating in H2O/ HNO3); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Dry ash and dissolve in 1:1 H2O / HCl or HNO3).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 89 amu	0.8 ppt	N/A	73Ge16O, 178Hf+2
ICP-OES 360.073 nm	0.005 / 0.000036 µg/mL	1	Ce, Th
ICP-OES 371.030 nm	0.004 / 0.00007 µg/mL	1	Ce
ICP-OES 377.433 nm	0.005 / 0.0009 µg/mL	1	Ta, Th

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

February 20, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- February 20, 2029

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Custom Processing Supervisor



Certificate Approved By:

Muzzammil Khan
Stock Laboratory Supervisor



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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Certified Reference Material CRM

M5960 KK R. 6/11/24

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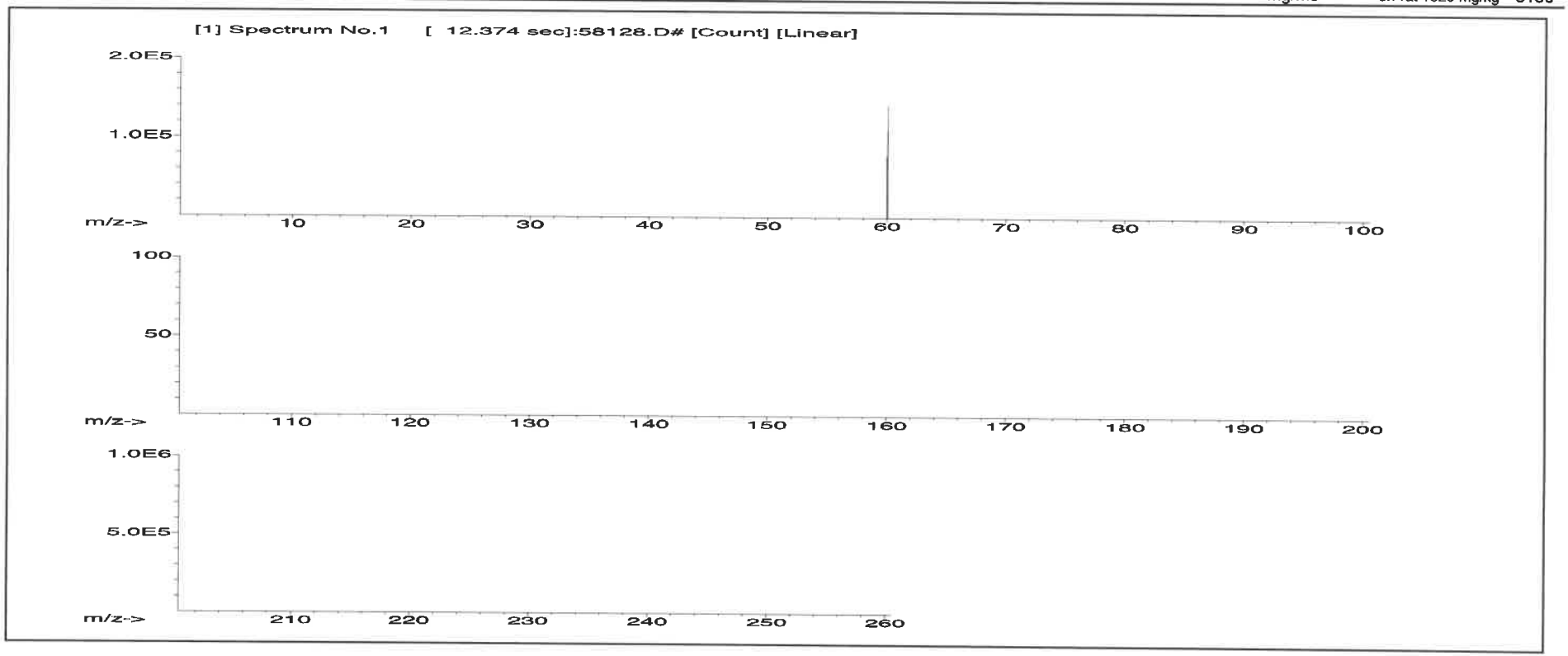
CERTIFIED WEIGHT REPORT:

			Lot #	
Part Number:	**57028**	**Solvent:**	24002546	Nitric Acid
Lot Number:	**041124**			
Description:	**Nickel (Ni)**			
		2%	5.0 (mL)	Nitric Acid
Expiration Date:	041127			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	249.85	0.002	Flask Uncertainty	

Formulated By:	Brian Geddes	041124
Reviewed By:	Pedro L. Rentas	041124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Nickel(II) nitrate hexahydrate (Ni)	IN033	NIM052023A1	1000	99.999	0.10	20.2	1.2369	1.2369	**1000.0**	**2.0**	13478-00-7	1 mg/m3	orl-rat 1620 mg/kg	3136



1428

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	T	Pr	<0.02	Sc	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

M5962 R! 06/14/24.

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AR-1539 Certificate Number
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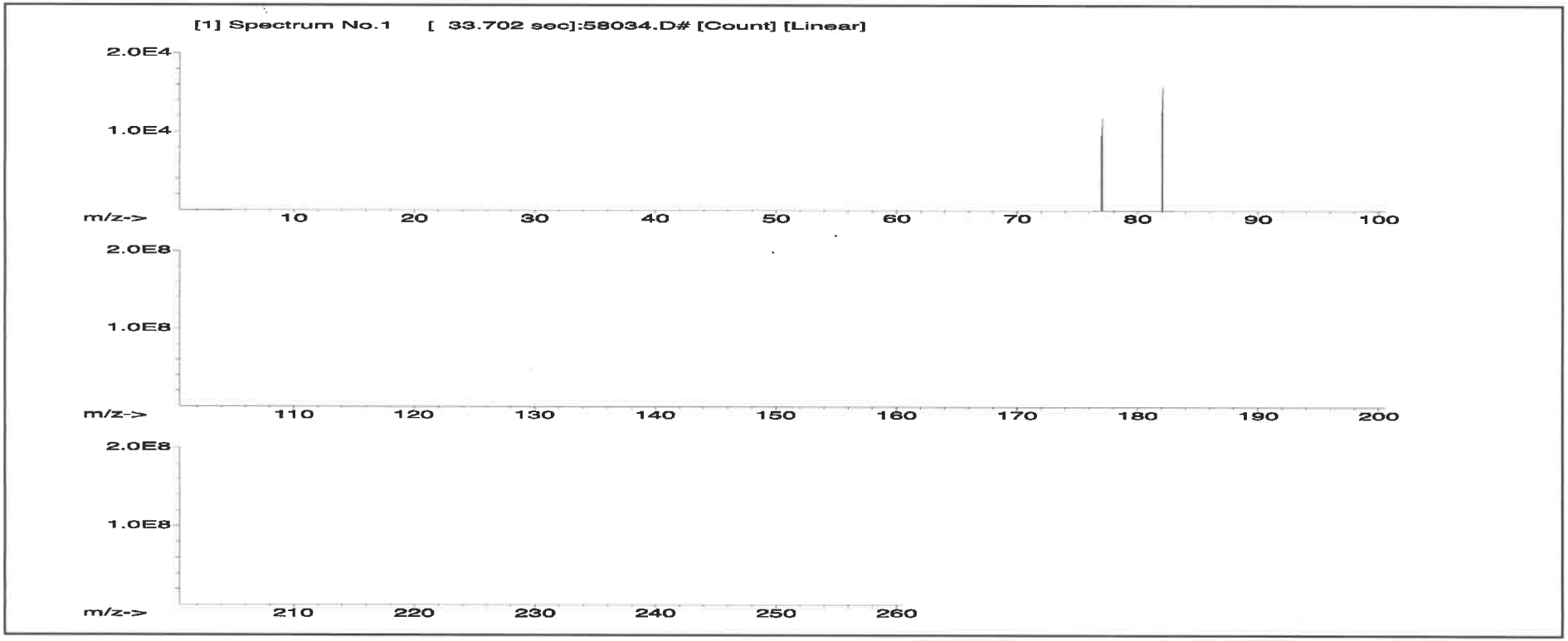
1430

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57034**	24002546	Nitric Acid	
Lot Number:	**060624**			
Description:	**Selenium (Se)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	060627			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty	

Formulated By:	Benson Chan	060624
Reviewed By:	Pedro L. Rentas	060624

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Selenium (Se)	58134	071223	0.1000	200.0	0.084	1000	10002.5	**1000.0**	**2.2**	7782-49-2	0.2 mg/m3	orl-rat 6700 mg/kg	3149



1431

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																		
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	T	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

M5970, M5971 R: 7/01/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

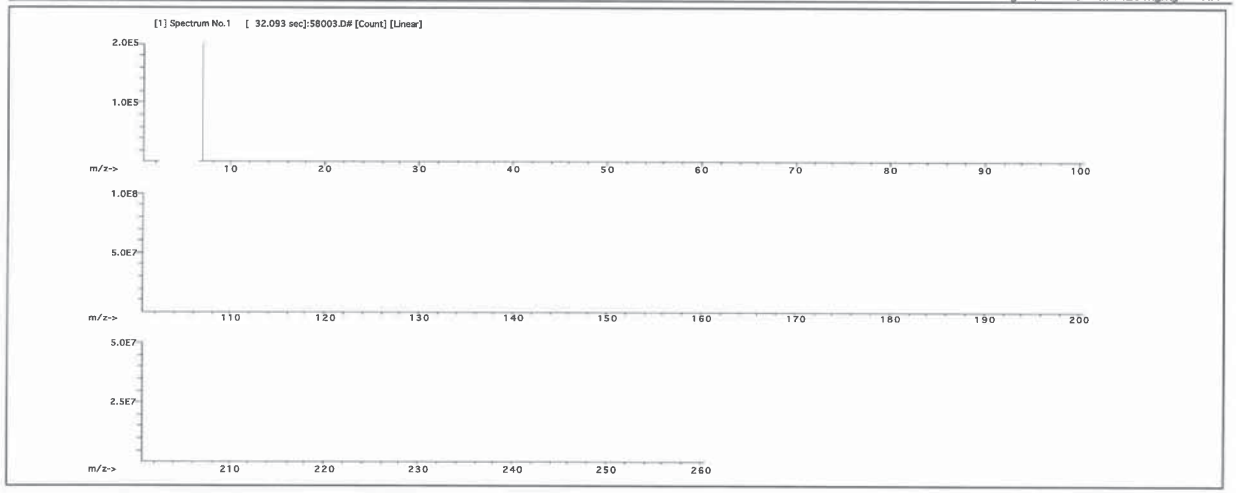
CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:
Part Number:	**57003**	24002546	Nitric Acid
Lot Number:	**062124**		
Description:	**Lithium (Li)**		
		2.0%	5.0 (mL) Nitric Acid
Expiration Date:	062127		
Recommended Storage:	Ambient (20 °C)		
Nominal Concentration (µg/mL):	**1000**		
NIST Test Number:	6UTB	5E-05 Balance Uncertainty	
Volume shown below was diluted to (mL):	250.11	0.016 Flask Uncertainty	

Giovanni Esposito
Formulated By: Giovanni Esposito 062124

Pedro Rentas
Reviewed By: Pedro L. Rentas 062124

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lithium nitrate (Li)	58103	070622	0.1000	25.0	0.004	1000	10000.4	**1000.0**	**2.0**	7790-69-4	5 mg/m3	orl-rat 1426 mg/kg	NA



1433

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	T	Ni	<0.02	Pr	<0.02	Sc	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certificate of Analysis

M5976, M5977
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info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGMO1
Lot Number:	T2-MO720876
Matrix:	H2O tr. NH4OH
Value / Analyte(s):	1 000 µg/mL ea: Molybdenum
Starting Material:	Ammonium Molybdate
Starting Material Lot#:	2361
Starting Material Purity:	99.9893%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 998 ± 7 µg/mL

Density: 1.000 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **998 ± 4 µg/mL**
ICP Assay NIST SRM 3134 Lot Number: 130418

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

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.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance.

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- 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/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000590	M	Eu	<	0.000300	M	Na		0.000879	M	Se	<	0.008000	M	Zn		0.000598
M	Al		0.000563	M	Fe	<	0.006500	M	Nb	<	0.029000	i	Si	<		M	Zr	<	0.001800
M	As	<	0.002100	M	Ga	<	0.000300	i	Nd	<		M	Sm	<	0.000300				
M	Au	<	0.000300	M	Gd	<	0.000300	M	Ni	<	0.008000	M	Sn	<	0.008900				
M	B	<	0.003300	M	Ge	<	0.000300	M	Os	<	0.000590	M	Sr		0.000175				
M	Ba		0.001689	M	Hf	<	0.001800	i	P	<		M	Ta	<	0.004200				
M	Be	<	0.000890	M	Hg	<	0.003300	M	Pb	<	0.000300	M	Tb	<	0.000300				
M	Bi	<	0.000890	M	Ho	<	0.000300	M	Pd	<	0.001800	M	Te	<	0.021000				
O	Ca		0.006334	M	In	<	0.032000	M	Pr	<	0.013000	M	Th	<	0.000300				
O	Cd	<	0.026000	M	Ir	<	0.000300	M	Pt	<	0.000300	O	Tl	<	0.032000				
M	Ce	<	0.008300	M	K		0.130213	M	Rb		0.004575	M	Tl		0.001266				
M	Co		0.000598	M	La	<	0.000300	M	Re	<	0.000300	M	Tm	<	0.000300				
M	Cr		0.000527	O	Li		0.000059	M	Rh	<	0.000300	M	U	<	0.005300				
M	Cs		0.000527	M	Lu	<	0.000300	M	Ru	<	0.079000	M	V	<	0.000890				
M	Cu		0.002252	M	Mg		0.000563	i	S	<		M	W		0.087982				
M	Dy	<	0.000300	M	Mn	<	0.005900	M	Sb		0.001513	M	Y	<	0.000300				
M	Er	<	0.000300	s	Mo	<		M	Sc	<	0.001200	M	Yb	<	0.000300				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 95.94 +6 6,7,8,9 [MoO4]-2(chemical form as received)

Chemical Compatibility -Mo is received in a NH4OH matrix giving the operator the option of using HCl or HF to stabilize acidic solutions. The [MoO4]-2 is soluble in concentrated HCl [MoOCl5]-2, dilute HF / HNO3 [MoOF5]-2 and basic media [MoO4]-2. Stable at ppm levels with some metals provided it is fluorinated. Do not mix with Alkaline or Rare Earths when HF is present. Stable with most inorganic anions provided it is in the [MoO4]-2 chemical form.

Stability - 2-100 ppb levels stable (alone or mixed with all other metals that are at comparable levels) as the [MoOF5]-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the [MoO4]-2 chemically stable for years in 1% NH4OH in a LDPE container.

Mo Containing Samples (Preparation and Solution) -Metal (Soluble in HF / HNO3 or hot dilute HCl); Oxide (soluble in HF or NH4OH) ; Organic Matrices (Dry ash at 450EC in Pt0 and dissolve oxide with HF or HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 95 amu	3 ppt	n/a	40Ar39K16O,79Br1 6O,190Os2+,190Pt 2+
ICP-OES 202.030 nm	0.008 / 0.0002 µg/mL	1	Os, Hf
ICP-OES 203.844 nm	0.012 / 0.002 µg/mL	1	
ICP-OES 204.598 nm	0.012 / 0.001 µg/mL	1	Ir, Ta

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Supervisor, Product Documentation



Certificate Approved By:

Michael Booth
Director, Technical



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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M5978, M5979

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Certificate of Analysis

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGTI1
Lot Number:	T2-TI719972
Matrix:	2% (v/v) HNO3 tr. HF
Value / Analyte(s):	1 000 µg/mL ea: Titanium
Starting Material:	Ti Metal
Starting Material Lot#:	2094
Starting Material Purity:	99.9975%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1002 ± 5 µg/mL

Density: 1.012 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **1002 ± 4 µg/mL**
ICP Assay NIST SRM 3162a Lot Number: 130925

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

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.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$
w_i = the weighting factors for each method calculated using the inverse square of the variance

$w_i = (1/u_{char\ i}^2) / (\Sigma(1/u_{char\ i}^2))$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = (\Sigma(w_i)^2\ (u_{char\ i})^2)^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty
u_{lts} = long term stability standard uncertainty (storage)
u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with
$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization
u_{bb} = bottle to bottle homogeneity standard uncertainty
u_{lts} = long term stability standard uncertainty (storage)
u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- 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/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000536	M	Eu	<	0.000268	O	Na	<	0.032670	M	Se		0.001204	O	Zn	<	0.003267
O	Al		0.000872	O	Fe		0.003225	O	Nb	<	0.043560	O	Si		0.004735	O	Zr	<	0.043560
M	As	<	0.008586	M	Ga	<	0.000268	M	Nd	<	0.000268	M	Sm	<	0.000268				
M	Au	<	0.004577	M	Gd	<	0.000268	O	Ni	<	0.010890	M	Sn		0.000096				
O	B	<	0.008929	M	Ge	<	0.002146	M	Os	<	0.000269	O	Sr		0.000096				
M	Ba	<	0.002683	M	Hf		0.002161	O	P	<	0.054450	M	Ta		0.010560				
M	Be	<	0.005366	M	Hg	<	0.003231	M	Pb	<	0.001073	M	Tb	<	0.000268				
M	Bi	<	0.001609	M	Ho	<	0.000268	M	Pd	<	0.000268	M	Te	<	0.001341				
O	Ca		0.000676	M	In	<	0.002683	M	Pr	<	0.000268	M	Th	<	0.053663				
M	Cd	<	0.000268	M	Ir	<	0.000269	M	Pt	<	0.000536	s	Ti	<					
M	Ce	<	0.000268	M	K		0.001172	M	Rb	<	0.000268	M	Tl	<	0.000268				
M	Co	<	0.004293	M	La	<	0.000268	M	Re	<	0.000268	M	Tm	<	0.000268				
M	Cr		0.000752	O	Li	<	0.027225	M	Rh	<	0.000268	M	U	<	0.000268				
M	Cs	<	0.000268	M	Lu	<	0.000268	M	Ru	<	0.000269	M	V	<	0.019855				
O	Cu	<	0.010890	O	Mg	<	0.005445	i	S	<		M	W		0.000473				
M	Dy	<	0.000268	O	Mn	<	0.003267	M	Sb	<	0.006976	M	Y	<	0.002146				
M	Er	<	0.000268	M	Mo		0.000774	O	Sc	<	0.004900	M	Yb	<	0.000536				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 47.87 +4 6 Ti(F)6-2

Chemical Compatibility - Soluble in concentrated HCl, HF, H3PO4 H2SO4 and HNO3. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths or high levels of transition elements unless they are fluorinated). Stable with most inorganic anions with a tendency to hydrolyze forming the hydrated oxide in all dilute acids except HF.

Stability - 2-100 ppb levels stable (Alone or mixed with all other metals) as the Ti(F)6-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the Ti(F)6-2 chemically stable for years in 2-5% HNO3 / trace HF in an LDPE container.

Ti Containing Samples (Preparation and Solution) - Metal (Soluble in H2O / HF caution -powder reacts violently); Oxide - low temperature history anatase or rutile (Dissolved by heating in 1:1:1 H2O / HF / H2SO4); Oxide - high temperature history (~800EC) brookite (fuse in Pt0 with K2S2O7); Ores (fuse in Pt0 with KF + K2S2O7 - no KF if silica not present); Organic Matrices (Dry ash at 450EC in Pt0 and dissolve by heating with 1:1:1 H2O / HF / H2SO4 or fuse ash with pyrosulfate if oxide is as plastic pigment and likely in brookite crystalline form).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 48 amu	14 ppt	N/A	32S16O, 32S14N, 14N16O18O, 14N17N2, 36Ar12C, 48Ca, [96X=2 (where X = Zr, Mo, Ru)]
ICP-OES 323.452 nm	0.0054 / 0.00092 µg/mL	1	Ce, Ar, Ni
ICP-OES 334.941 nm	0.0038 / 0.000028 µg/mL	1	Nb, Ta, Cr, U
ICP-OES 336.121 nm	0.0053 / 0.000034 µg/mL	1	W, Mo, Co

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- June 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

45982 R: 6/11/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

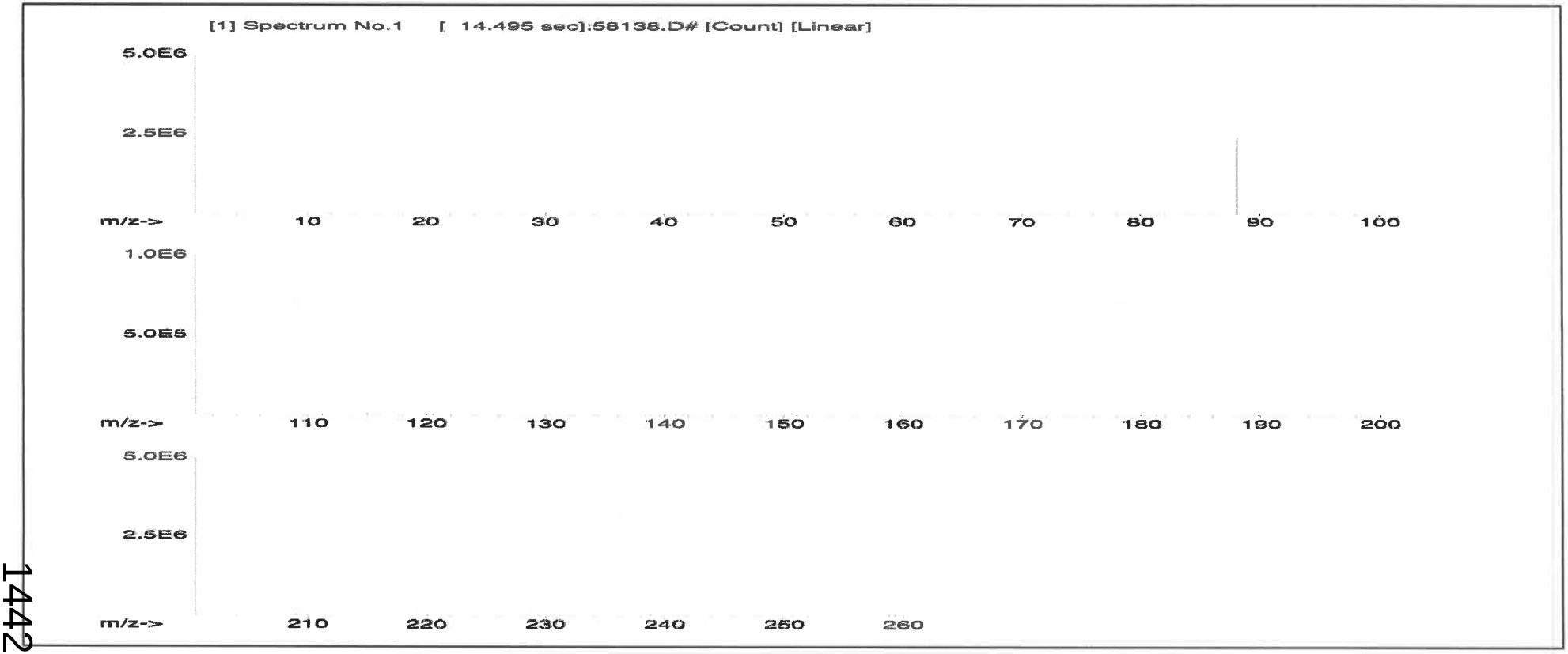
Part Number: 57038
Lot Number: 031524
Description: Strontium (Sr)

Expiration Date: 031527
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.07

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	
5E-05	Balance Uncertainty		
0.100	Flask Uncertainty		

Formulated By:	Benson Chan	031524
Reviewed By:	Pedro L. Rentas	031524

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Strontium nitrate (Sr)	IN017	SRZ022018A1	1000	99.997	0.10	41.2	4.85470	4.85502	**1000.1**	**2.0**	10042-76-9	NA	orl-rat >2000mg/kg	3153a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 863.01
ACCREDITED Reference Material Producer Certificate 863.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGIN10
Lot Number:	U2-IN729349
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	10 000 µg/mL ea: Indium
Starting Material:	Indium Metal
Starting Material Lot#:	2511
Starting Material Purity:	99.9995%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 10022 ± 30 µg/mL

Density: 1.044 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1	**10021 ± 56 µg/mL** ICP Assay NIST SRM 3124a Lot Number: 110516
Assay Method #2	**10035 ± 25 µg/mL** EDTA NIST SRM 928 Lot Number: 928
Assay Method #3	**10001 ± 33 µg/mL** Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

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.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- 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/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000760	M	Eu	<	0.000760	O	Na		0.012771	M	Se	<	0.023000	M	Zn	<	0.006100
M	Al		0.003385	O	Fe		0.004462	M	Nb	<	0.000760	O	Si		0.024619	M	Zr	<	0.000760
M	As	<	0.004600	M	Ga	<	0.000760	M	Nd	<	0.000760	M	Sm	<	0.000760				
M	Au	<	0.002300	M	Gd	<	0.000760	O	Ni	<	0.005100	M	Sn	<	0.000760				
O	B		0.003692	M	Ge	<	0.001600	M	Os	<	0.000760	O	Sr	<	0.000610				
M	Ba	<	0.001600	M	Hf	<	0.000760	n	P	<		M	Ta	<	0.000760				
O	Be	<	0.000130	M	Hg	<	0.003100	M	Pb		0.001400	M	Tb	<	0.000760				
M	Bi	<	0.000760	M	Ho	<	0.000760	M	Pd	<	0.001600	M	Te	<	0.000760				
O	Ca		0.004616	s	In	<		M	Pr	<	0.000760	M	Th	<	0.000760				
M	Cd	<	0.000760	M	Ir	<	0.000760	M	Pt	<	0.000760	O	Ti	<	0.001100				
M	Ce	<	0.000760	O	K		0.007078	M	Rb	<	0.000760	M	Tl	<	0.000760				
M	Co	<	0.000760	M	La	<	0.000760	M	Re	<	0.000760	M	Tm	<	0.000760				
O	Cr	<	0.001300	O	Li	<	0.000130	M	Rh	<	0.000760	M	U	<	0.000760				
M	Cs	<	0.000760	M	Lu	<	0.000760	M	Ru	<	0.000760	M	V	<	0.001600				
M	Cu	<	0.003800	O	Mg		0.000707	n	S	<		M	W	<	0.001600				
M	Dy	<	0.000760	O	Mn		0.000149	M	Sb	<	0.000760	M	Y	<	0.000760				
M	Er	<	0.000760	M	Mo	<	0.002300	M	Sc	<	0.000760	M	Yb	<	0.000760				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 114.82 +3 6 In(H2O)6+3

Chemical Compatibility -Soluble in HCl, HNO3, and H2SO4. Avoid neutral and basic media. Stable with most metals and inorganic anions. The oxalate, sulfide, carbonate, hydroxide and phosphate are insoluble in water.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 2-5% HNO3 / LDPE container.

In Containing Samples (Preparation and Solution) -Metal (Best dissolved in HCl / HNO3); Oxide (Soluble in mineral acids); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Sulfuric/peroxide digestion or dry ash and dissolution in dilute HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 115 amu	1 ppt	n/a	115Sn, 99Ru16O
ICP-OES 158.583 nm	0.05 / 0.002 µg/mL	1	
ICP-OES 230.606 nm	0.1 / 0.03 µg/mL	1	Ni, Os
ICP-OES 325.609 nm	0.2 / 0.05 µg/mL	1	Mn, Mo, Th

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

February 21, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- February 21, 2028

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

R: 2/22/2024
M5999

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-SPK-1
Lot Number:	T2-MEB721963
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	2 000 µg/mL ea: Aluminum, Barium, 1 000 µg/mL ea: Iron, 500 µg/mL ea: Manganese, Nickel, Vanadium, Zinc, Cobalt, 250 µg/mL ea: Copper, 200 µg/mL ea: Chromium, 50 µg/mL ea: Beryllium, Silver

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	2 000 ± 7 µg/mL	Barium, Ba	2 000 ± 9 µg/mL
Beryllium, Be	50.00 ± 0.26 µg/mL	Chromium, Cr	200.0 ± 1.1 µg/mL
Cobalt, Co	500.0 ± 2.4 µg/mL	Copper, Cu	250.0 ± 1.0 µg/mL
Iron, Fe	1 000 ± 4 µg/mL	Manganese, Mn	500.0 ± 2.0 µg/mL
Nickel, Ni	500.0 ± 2.2 µg/mL	Silver, Ag	50.00 ± 0.22 µg/mL
Vanadium, V	500.0 ± 2.2 µg/mL	Zinc, Zn	500.0 ± 2.2 µg/mL

Density: 1.070 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
V	IC Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

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.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- 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/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information.

https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 27, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 27, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 01/03/24 M6033

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

1452

CERTIFIED WEIGHT REPORT:

Part Number:	**58113**		**Lot #**	
Lot Number:	**011623**	**Solvent:**	20510011	Nitric Acid
Description:	**Aluminum (Al)**			
		2%	40.0 (mL)	Nitric Acid
Expiration Date:	011626			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

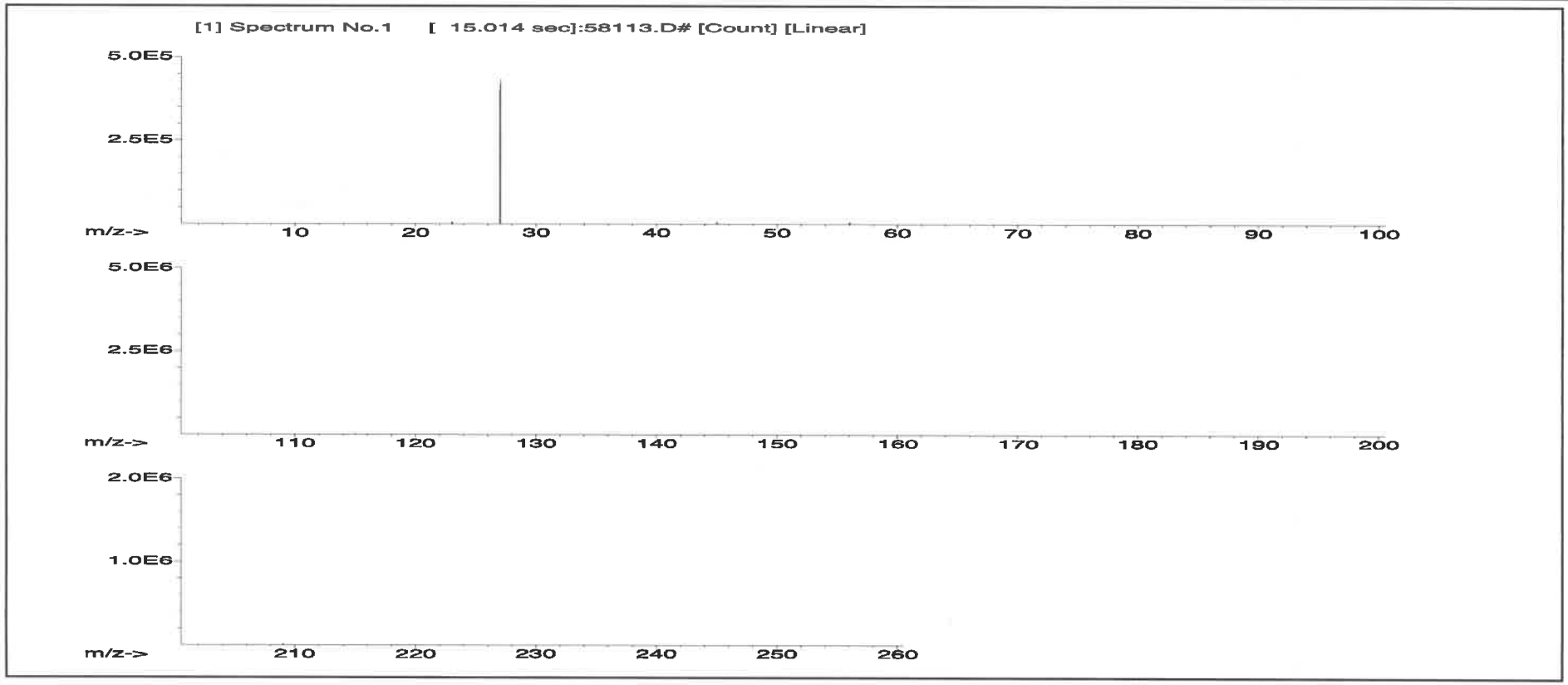
Giovanni Esposito

Formulated By:	Giovanni Esposito	011623

Pedro Rentas

Reviewed By:	Pedro L. Rentas	011623

	Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1.	Aluminum nitrate nonahydrate (Al)	IN022	ALM112021A1	10000	99.999	0.10	7.30	273.9779	274.0078	**10001.1**	**20.0**	7784-27-2	2 mg/m3	orl-rat 3671 mg/kg	3101a



Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

M6109
M6110
M6111

Received date 9/29/24 Met dig.

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22F0762009
Manufactured Date: 2022-05-10
Retest Date: 2027-05-09
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid-base titrn)	36.5 – 38.0 %	37.6 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.190
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS – Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS – Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	0.8 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	14.9 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	0.2 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

For questions on this Certificate of Analysis please contact Technical Services at 855 282 6867 or +1 610 386 1700

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22F0762009

Test	Specification	Result
Trace Impurities - Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities - Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Magnesium (Mg)	≤ 10.0 ppb	0.8 ppb
Trace Impurities - Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities - Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities - Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities - Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities - Niobium (Nb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities - Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities - Silicon (Si)	≤ 100.0 ppb	1.0 ppb
Trace Impurities - Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities - Sodium (Na)	≤ 100.0 ppb	0.7 ppb
Trace Impurities - Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Tantalum (Ta)	≤ 1.0 ppb	< 0.9 ppb
Trace Impurities - Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities - Titanium (Ti)	≤ 1.0 ppb	0.2 ppb
Trace Impurities - Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities - Zirconium (Zr)	≤ 1.0 ppb	< 0.1 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22F0762009

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Nitric Acid 69%
CMOS

M6112
M6113
M6114
M6115
M6116
M6117

Receive:
9/29/24
Met dig

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24B1362001
Manufactured Date: 2024-01-25
Retest Date: 2029-01-23
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 - 70.0 %	69.6 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	< 1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities - Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	< 0.2 ppb
Trace Impurities - Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities - Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24B1362001

Test	Specification	Result
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 150.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater	≤ 60 par/ml	3 par/ml
Particle Count – 1.0 µm and greater	≤ 10 par/ml	1 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24B1362001

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Nitric Acid 69%
CMOS

M6112
M6113
M6114
M6115
M6116
M6117

Receive:
9/29/24
Met dig

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24B1362001
Manufactured Date: 2024-01-25
Retest Date: 2029-01-23
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 - 70.0 %	69.6 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	< 1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities - Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	< 0.2 ppb
Trace Impurities - Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities - Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24B1362001

Test	Specification	Result
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 150.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater	≤ 60 par/ml	3 par/ml
Particle Count – 1.0 µm and greater	≤ 10 par/ml	1 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24B1362001

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

R → 10/13/24
Met dig

M 6121

Material No.: 9530-33
Batch No.: 0000275677
Manufactured Date: 2020/12/16
Retest Date: 2025/12/15
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.190
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	1
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	< 0.5
Phosphate (PO_4)	<= 0.05 ppm	< 0.03
Sulfate (SO_4)	<= 0.5 ppm	< 0.3
Sulfite (SO_3)	<= 0.8 ppm	0.3
Ammonium (NH_4)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	< 0.2
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	29.7
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

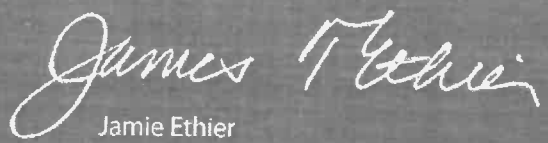
1462

Material No.: 9530-33
Batch No.: 0000275677

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities - Iron (Fe)	<= 15.0 ppb	<1
Trace Impurities - Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 1.0 ppb	0.2
Trace Impurities - Magnesium (Mg)	<= 10.0 ppb	0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	0.1
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities - Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities - Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities - Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 1.0 ppb	0.2
Trace Impurities - Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities - Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
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1463

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

R:- 10/22/24

MG124

Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 - 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities - Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	2.3 ppb
Trace Impurities - Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	100 ppb
Trace Impurities - Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result
Trace Impurities - Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities - Potassium (K)	≤ 50 ppb	16 ppb
Trace Impurities - Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities - Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Sodium (Na)	≤ 150.0 ppb	< 5.0 ppb
Trace Impurities - Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Tantalum (Ta)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count - 0.5 µm and greater	≤ 60 par/ml	10 par/ml
Particle Count - 1.0 µm and greater	≤ 10 par/ml	3 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

M6125 Receive -> 11/22/24

CORCO CHEMICAL CORPORATION

Manufacturers of ACS Reagents and Semiconductor Grade Chemicals

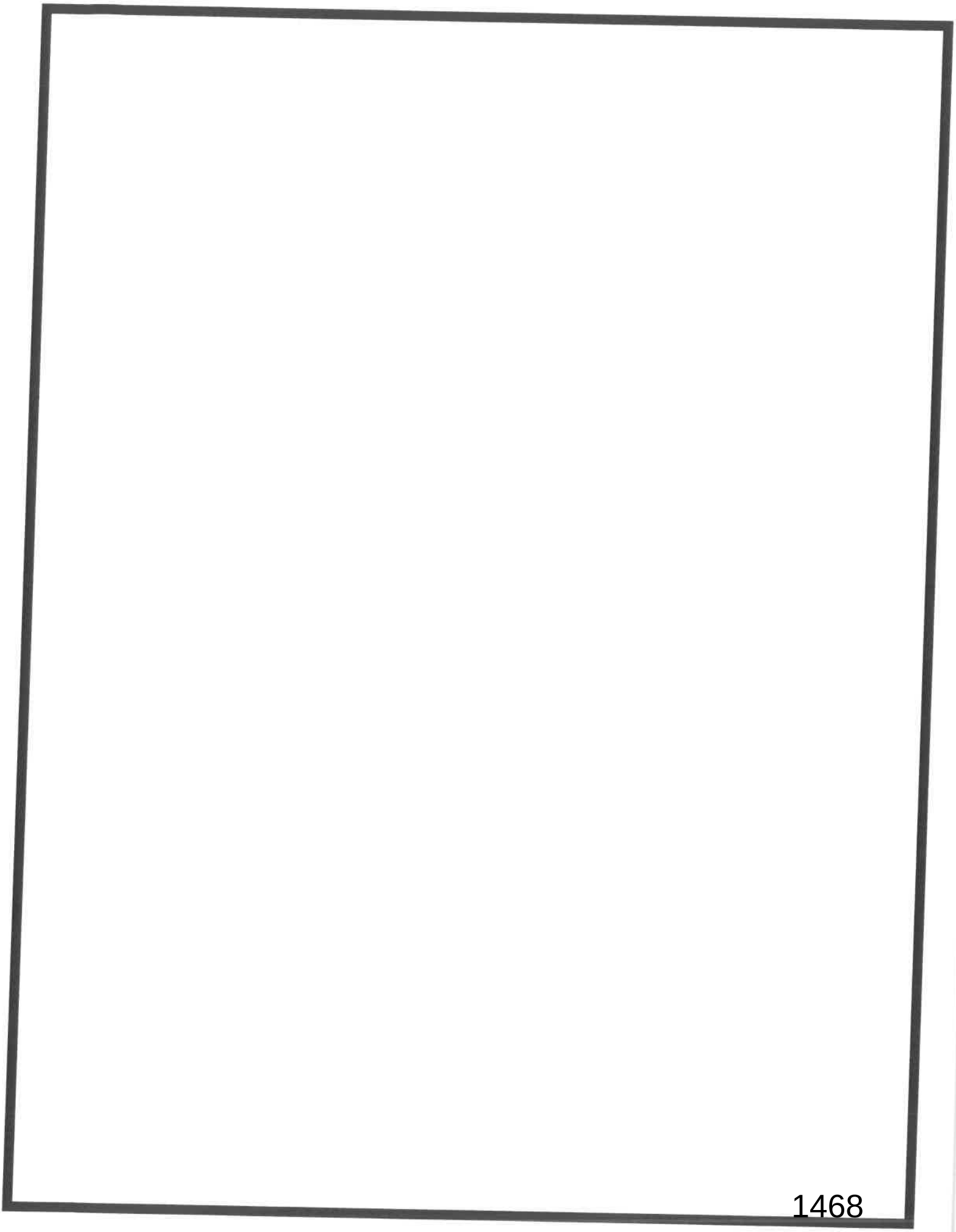
Office and Plant
299 Cedar Lane
Fairless Hills, PA 19030

Phone: 215-295-5006
Fax: 215-295-0781

Hydrogen Peroxide 30%, ACS

Reagent Grade

SPECIFICATION	MAXIMUM LIMITS
Appearance	Colorless and free from suspended matter or sediment
Assay	29-32%
Color (APHA)	10
Residue after Evaporation	0.002%
Titratable Acid	0.0006 meq/g
Chloride (Cl)	3 ppm
Nitrate (NO_3)	2 ppm
Phosphate	2 ppm
Sulfate (SO_4)	5 ppm
Ammonium (NH_4)	5 ppm
Heavy Metals (as Pb)	1 ppm
Iron (Fe)	0.5 ppm



Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

R -> 11/12/24

M6126

Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 - 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities - Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	2.3 ppb
Trace Impurities - Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	100 ppb
Trace Impurities - Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

Absolute Standards, Inc.
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Certified Reference Material CRM

R: 01/03/24 M5806, M5807

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AR-1539 Certificate Number
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1471

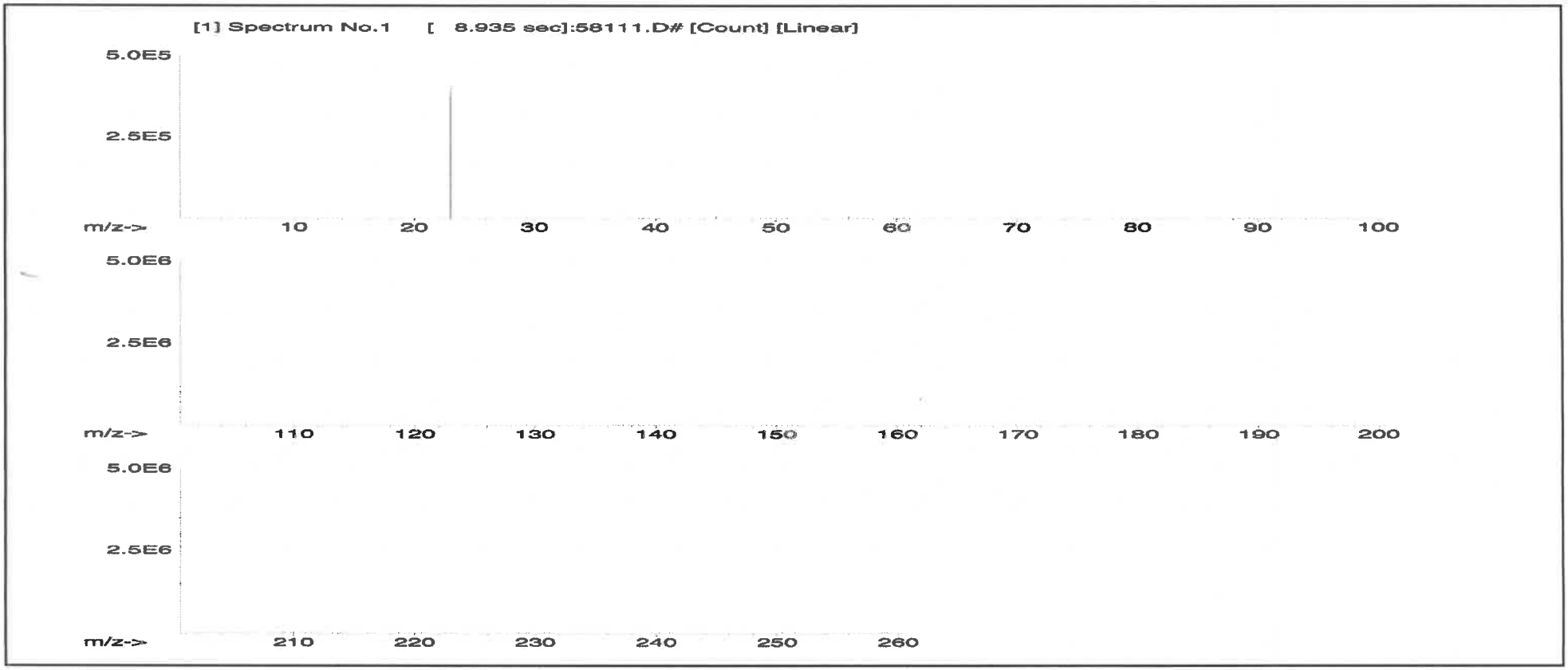
CERTIFIED WEIGHT REPORT:

			Lot #	
Part Number:	**58111**	**Solvent:**	24002546	Nitric Acid
Lot Number:	**122223**			
Description:	**Sodium (Na)**	2%	60.0 (mL)	Nitric Acid
Expiration Date:	122226			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	3000.4	0.06	Flask Uncertainty	

Aleah O'Brady

Formulated By:	Aleah O'Brady	122223
Reviewed By:	Pedro L. Rentas	122223

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Sodium nitrate (Na)	IN036	NAV012015I1	10000	99.999	0.10	26.9	111.5406	111.5479	**10000.7**	**20.0**	7631-99-4	5 mg/m3	orl-rat 3430 mg/kg	3152a



14722

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	T	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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R: 01/03/24 M5802, M5803

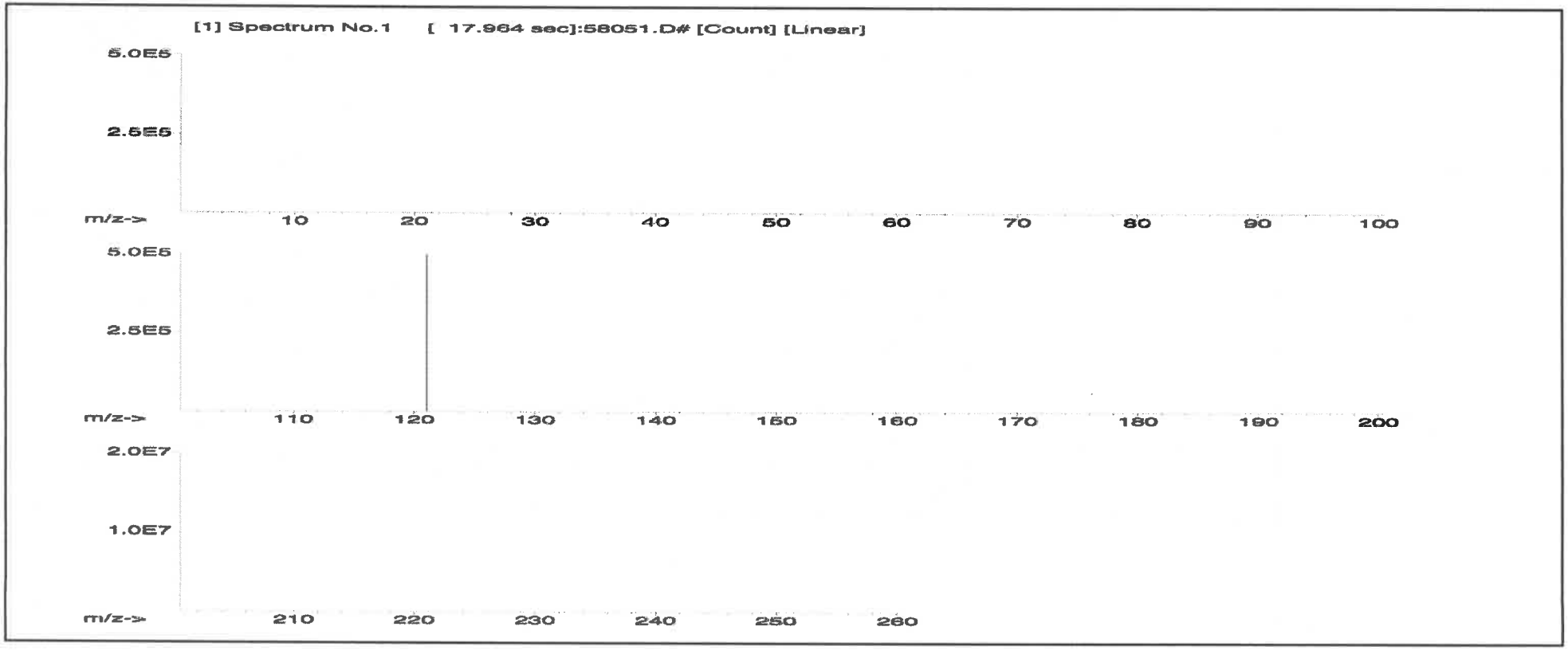
1473

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57051**	24002546	Nitric Acid	
Lot Number:	**120523**			
Description:	**Antimony (Sb)**			
		2.0%	60.0 (mL)	Nitric Acid
Expiration Date:	120526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	3000.41	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	120523
Reviewed By:	Pedro L. Rentas	120523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Antimony (Sb)	58151	100923	0.1000	300.0	0.084	1000	10001.4	**1000.0**	2.1	7440-36-0	0.5 mg/m3	orl-rat 7000 mg/kg	3102a



14744

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	T	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

M6030

R: 8/5/24

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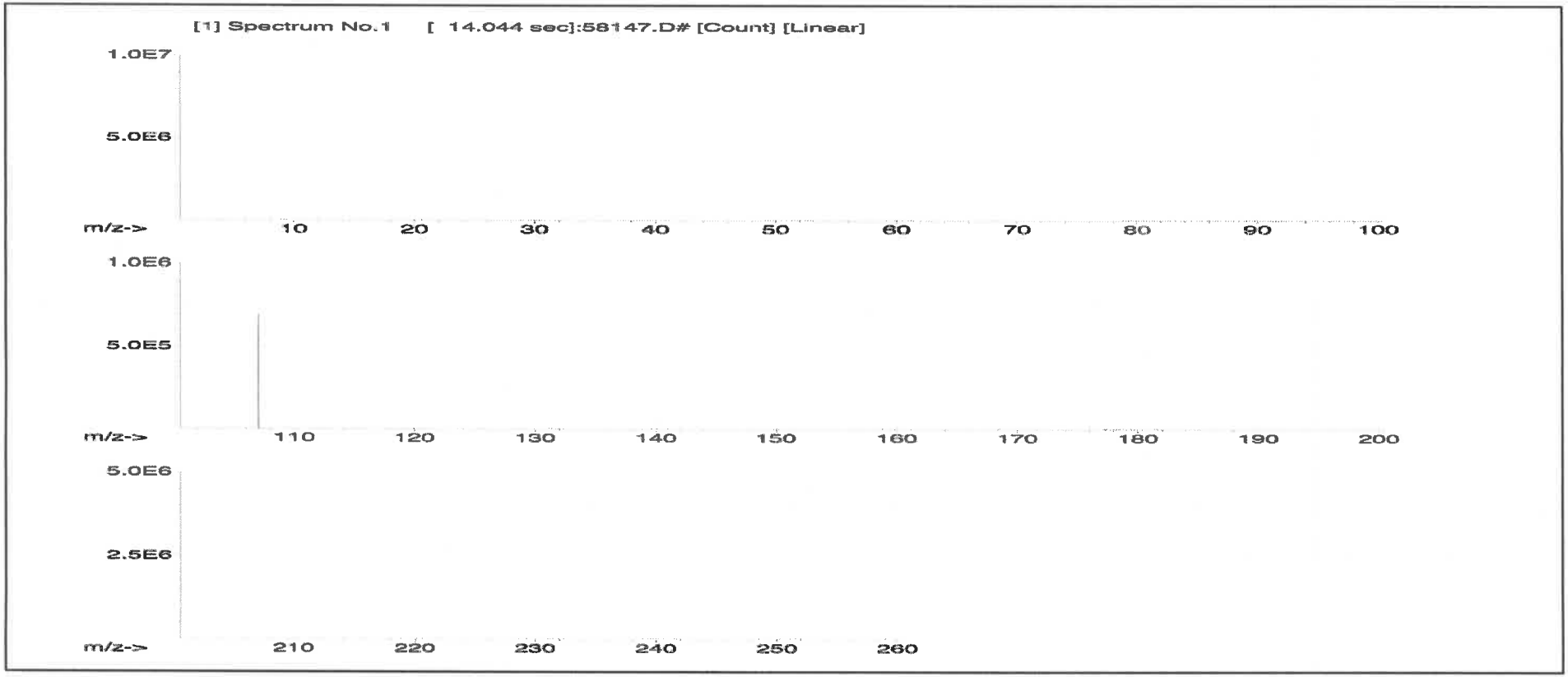
1475

CERTIFIED WEIGHT REPORT:

Part Number:	**57047**		**Lot #**		
Lot Number:	**122823**	**Solvent:**	24002546	Nitric Acid	
Description:	**Silver (Ag)**	2%	80.0 (mL)	Nitric Acid	
Expiration Date:	122826				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	4000.30	0.058	Flask Uncertainty		

Formulated By:	Benson Chan	122823
Reviewed By:	Pedro L. Rentas	122823

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Silver nitrate (Ag)	IN035	J0612AGA1	1000.0	99.9999	0.10	63.7	6.27992	6.27998	**1000.0**	**2.0**	7761-88-8	10 ug/m3	NA	3151



1476

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	T	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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1477

CERTIFIED WEIGHT REPORT:

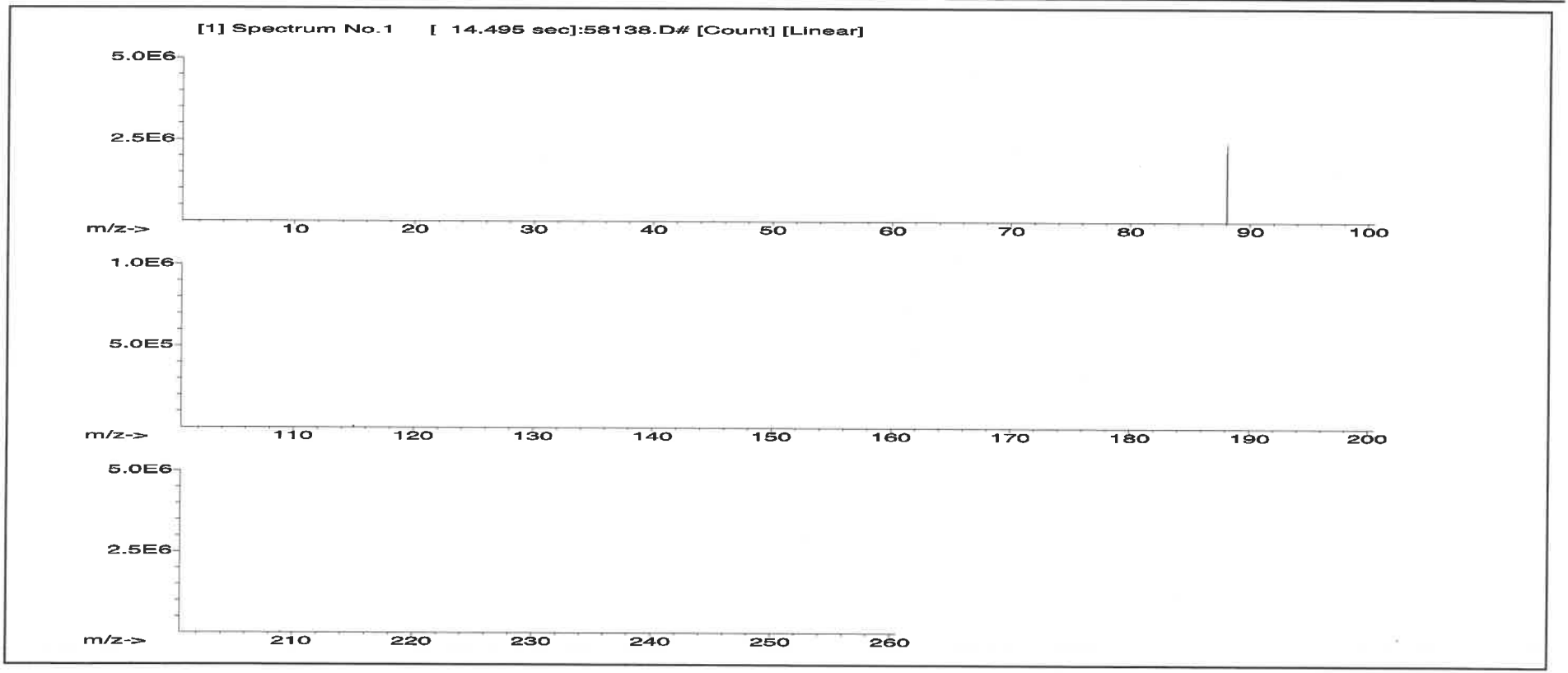
Part Number: 56138
Lot Number: 082922
Description: Strontium (Sr)
Expiration Date: 082925
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 1000.12

	Lot #		
Solvent:	20510011	Nitric Acid	
2%	20.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	082922
Reviewed By:	Pedro L. Rentas	082922

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Strontium nitrate (Sr)	IN017	SRZ022018A1	10000	99.997	0.10	41.2	24.2756	24.2758	**10000.1**	**20.0**	10042-76-9	NA	orl-rat >2000mg/kg	3153a



14778

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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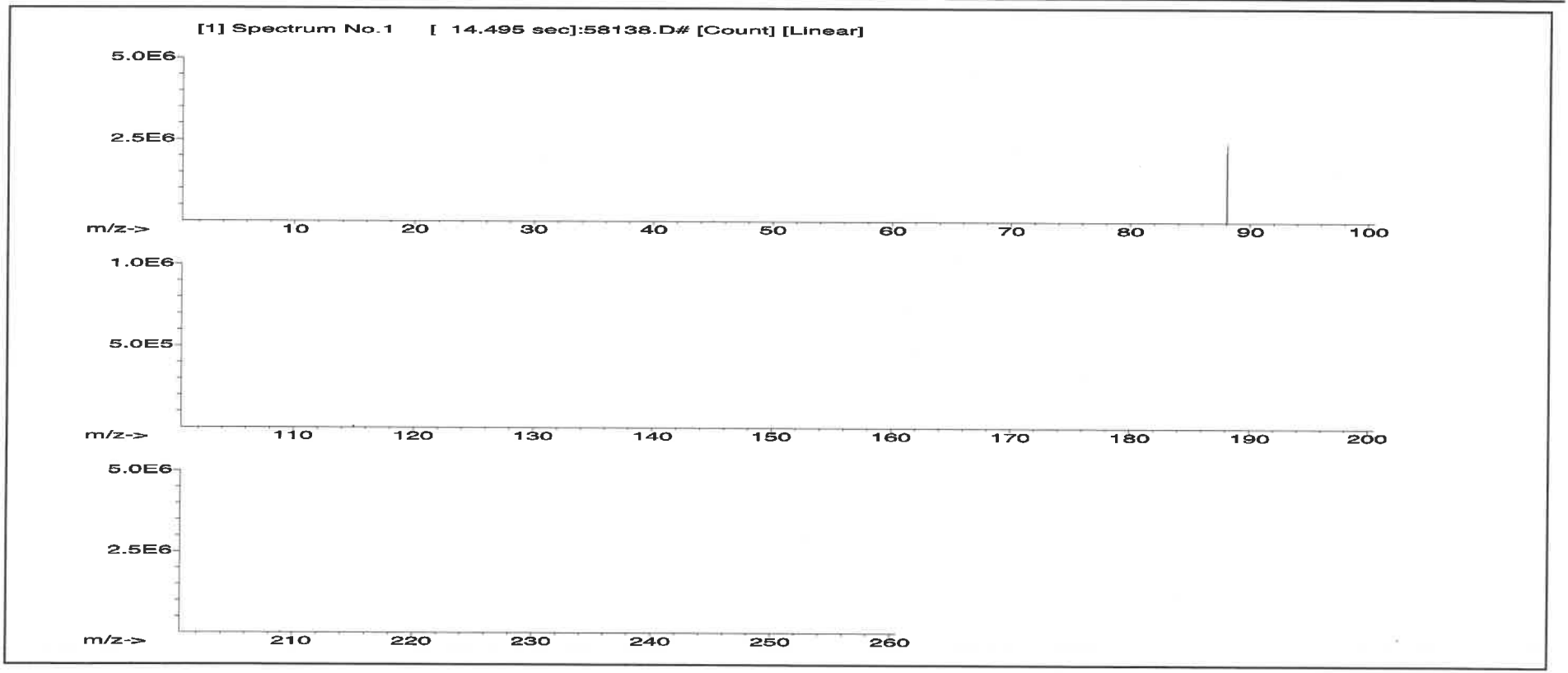
1479

CERTIFIED WEIGHT REPORT:

Part Number:	**56138**		**Lot #**		
Lot Number:	**082922**	**Solvent:**	20510011	Nitric Acid	
Description:	**Strontium (Sr)**				
		2%	20.0 (mL)	Nitric Acid	
Expiration Date:	082925				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	1000.12	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	082922
Reviewed By:	Pedro L. Rentas	082922

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Strontium nitrate (Sr)	IN017	SRZ022018A1	10000	99.997	0.10	41.2	24.2756	24.2758	**10000.1**	**20.0**	10042-76-9	NA	orl-rat >2000mg/kg	3153a



1480

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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R ! 8/5/24

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1481

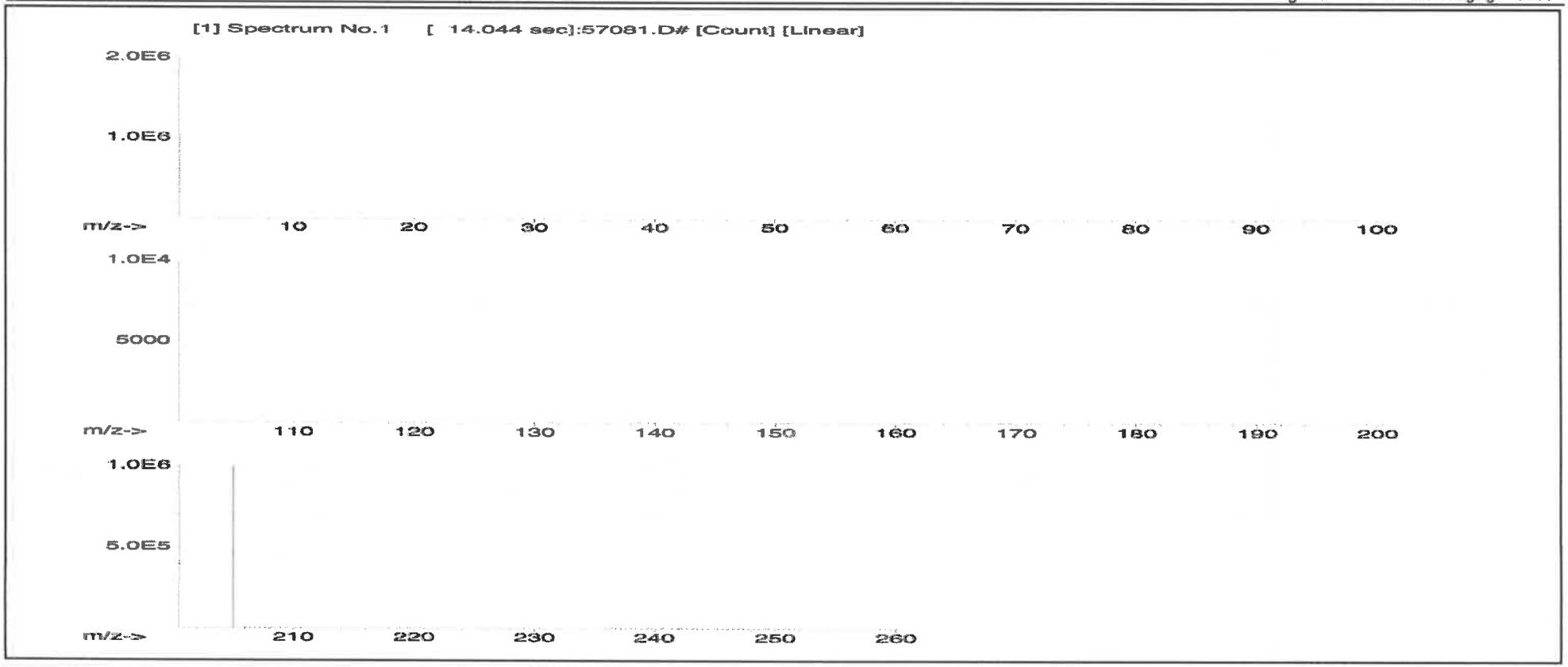
CERTIFIED WEIGHT REPORT:

Part Number:	**57081**		**Lot #**		
Lot Number:	**062724**	**Solvent:**	24002546	Nitric Acid	
Description:	**Thallium (Tl)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	062727				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.1	0.10	Flask Uncertainty		

Aleah O'Brady

Formulated By:	Aleah O'Brady	062724
Reviewed By:	Pedro L. Rentas	062724

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Thallium nitrate (Tl)	IN037	BCCF4399	1000	99.999	0.10	77.0	2.5975	2.5977	**1000.1**	**2.0**	10102-45-1	0.1 mg/m3	orl-mus 15mg/kg	3158



1482

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	T	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



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1483

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57023**	24002546	Nitric Acid	
Lot Number:	**062424**			
Description:	**Vanadium (V)**	2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	062427			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.3	0.06	Flask Uncertainty	

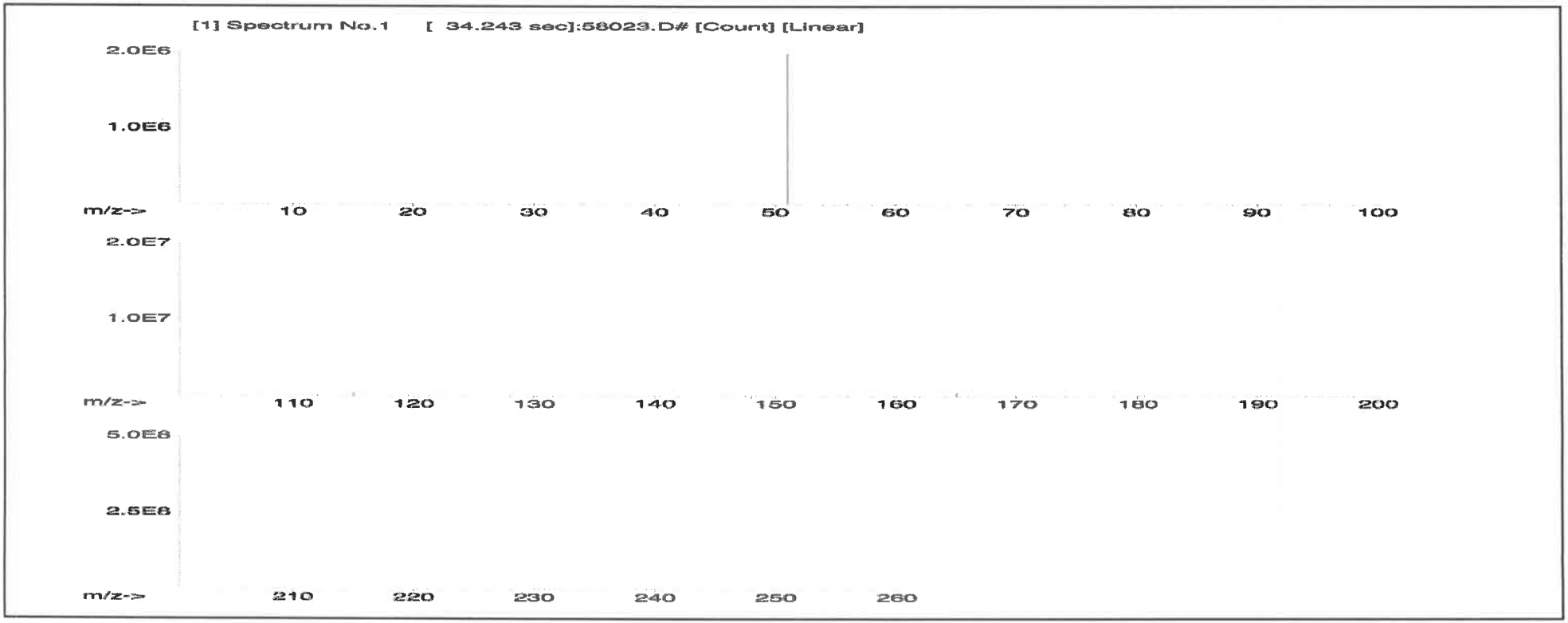
Aleah O'Brady

Formulated By:	Aleah O'Brady	062424

Pedro Rentas

Reviewed By:	Pedro L. Rentas	062424

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium metavanadate (V)	58123	021224	0.1000	200.0	0.084	1000	10000.3	**1000.0**	**2.2**	7803-55-6	0.05 mg/m3	orl-rat 58.1mg/kg	3165



1484

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	T
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB165282

SOP ID : M3050B-Digestion-20, MSFAM01.1-Trace Metals-2

SDG No : MBHD2

Matrix : SOIL

Pippete ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #3 2. N/A

Start Digest Date: 11/26/2024 **Time :** 16:05 **Temp :** 96 °C

End Digest Date: 11/26/2024 **Time :** 18:15 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. # 3

Dig Technician Signature: JSP

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.00	MP83141
Spike Sol 6	1.00	MP83147
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	10.00	MP83122
Conc. HNO3	5.00	M6124
30% H2O2	3.00	M6125
Conc. HCL	10.00	M6121
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK #3CELL #34 : 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/26/24 18:30	JSP MET DIG	Materials Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB165282

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P4982-01	MBHD2	N/A	1.11	100	Brown	Yellow	Medium	N/A	N/A	1
P4982-02	MBHJ34	N/A	1.20	100	Brown	Yellow	Medium	N/A	N/A	2
P4982-03	MBHJ35	N/A	1.33	100	Brown	Yellow	Medium	N/A	N/A	3
P4982-04	MBHJ36	N/A	1.47	100	Brown	Yellow	Medium	N/A	N/A	4
P4982-05	MBHJ37	N/A	1.22	100	Light Brown	Yellow	Medium	N/A	N/A	5
P4982-06	MBHJ38	N/A	1.26	100	Light Brown	Yellow	Medium	N/A	N/A	6
P4982-07	MBHJ39	N/A	1.19	100	Brown	Yellow	Medium	N/A	N/A	7
P4982-08	MBHJ40	N/A	1.15	100	Brown	Yellow	Medium	N/A	N/A	8
P4982-09	MBHJD1	N/A	1.25	100	Brown	Yellow	Medium	N/A	N/A	9
P4982-10	MBHJD3	N/A	1.10	100	Brown	Yellow	Medium	N/A	N/A	10
P4982-11	MBHJD4	N/A	1.21	100	Brown	Yellow	Medium	N/A	N/A	11
P4982-12	MBHJD5	N/A	1.37	100	Brown	Yellow	Medium	N/A	N/A	12
P4982-13	MBHJD6	N/A	1.22	100	Brown	Yellow	Medium	N/A	N/A	13
P4982-14	MBHJD7	N/A	1.19	100	Brown	Yellow	Medium	N/A	N/A	14
P4982-15	MBHJE9	N/A	1.08	100	Brown	Yellow	Medium	N/A	N/A	15
P4982-16	MBHJF0	N/A	1.42	100	Brown	Yellow	Medium	N/A	N/A	16
P4982-17	MBHJF1	N/A	1.09	100	Brown	Yellow	Medium	N/A	N/A	17
P4982-18	MBHJF2	N/A	1.30	100	Brown	Yellow	Medium	N/A	N/A	18
P4982-19	MBHJF3	N/A	1.33	100	Black	Yellow	Medium	N/A	N/A	19
P4982-20	MBHJF4	N/A	1.39	100	Brown	Yellow	Medium	N/A	N/A	20
P4982-21	MBHJF4D	N/A	1.37	100	Brown	Yellow	Medium	N/A	N/A	21
P4982-22	MBHJF4S	N/A	1.32	100	Brown	Yellow	Medium	N/A	MP83147	22
PB165282BL	PBS282	N/A	1.00	100	Colorless	Colorless	Fine	N/A	N/A	23
PB165282BS	LCS282	N/A	1.00	100	Colorless	Colorless	Fine	N/A	MP83141	24

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB133953

Review By	Sarabjit Jaswal	Review On	12/18/2024 9:54:24 PM
Supervise By	Mohan Bera	Supervise On	12/24/2024 3:42:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83141
Chk Standard	MP83513,MP83514

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	12/14/24 11:47		Kareem	OK
2	S1	S01	CAL2	12/14/24 11:51		Kareem	OK
3	S2	S02	CAL3	12/14/24 11:56		Kareem	OK
4	S3	S03	CAL4	12/14/24 11:59		Kareem	OK
5	S4	S04	CAL5	12/14/24 12:03		Kareem	OK
6	S5	S05	CAL6	12/14/24 12:07		Kareem	OK
7	S6	S06	CAL7	12/14/24 12:11		Kareem	OK
8	ICV003	ICV003	ICV	12/14/24 13:32	Inst. paused for calibration review	Kareem	OK
9	ICB003	ICB003	ICB	12/14/24 13:36		Kareem	OK
10	ICSA003	ICSA003	ICSA	12/14/24 13:48	Inst. paused for review	Kareem	OK
11	ICSAB003	ICSAB003	ICSAB	12/14/24 14:07	Inst. paused for review	Kareem	OK
12	CCV016	CCV016	CCV	12/14/24 14:26	Inst. paused for review	Kareem	OK
13	CCB016	CCB016	CCB	12/14/24 14:30		Kareem	OK
14	PB165290BL	PBS290	MB	12/14/24 14:34		Kareem	OK
15	PB165290BS	LCS290	LCS	12/14/24 14:38		Kareem	OK
16	PB165264BL	PBS264	MB	12/14/24 14:42		Kareem	OK
17	PB165264BS	LCS264	LCS	12/14/24 14:46		Kareem	OK
18	PB165282BL	PBS282	MB	12/14/24 14:50		Kareem	OK

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ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
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CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83141
Chk Standard	MP83513,MP83514

19	PB165282BS	LCS282	LCS	12/14/24 14:54		Kareem	OK
20	PB165262BL	PBS262	MB	12/14/24 14:58		Kareem	OK
21	PB165262BS	LCS262	LCS	12/14/24 15:02		Kareem	OK
22	PB165263BL	PBS263	MB	12/14/24 15:06		Kareem	OK
23	PB165263BS	LCS263	LCS	12/14/24 15:10		Kareem	OK
24	P4941-19	MBHJF7	SAM	12/14/24 15:14		Kareem	OK
25	P4941-20	MBHJF7D	DUP	12/14/24 15:18		Kareem	OK
26	P4941-19L	MBHJF7L	SD	12/14/24 15:22		Kareem	OK
27	P4941-21	MBHJF7S	MS	12/14/24 15:26	Fail for Se(Below RL), Zn(1454.822ppb)	Kareem	OK
28	P4980-12	MBHJ88	SAM	12/14/24 15:29		Kareem	OK
29	P4980-13	MBHJ88D	DUP	12/14/24 15:33		Kareem	OK
30	P4980-12L	MBHJ88L	SD	12/14/24 15:37		Kareem	OK
31	P4980-14	MBHJ88S	MS	12/14/24 15:41	Fail for Se(Below RL), Zn(1615.729ppb)	Kareem	OK
32	P4982-20	MBHJF4	SAM	12/14/24 15:45		Kareem	OK
33	P4982-21	MBHJF4D	DUP	12/14/24 15:48		Kareem	OK
34	CCV017	CCV017	CCV	12/14/24 15:52		Kareem	OK
35	CCB017	CCB017	CCB	12/14/24 15:57		Kareem	OK
36	P4982-20L	MBHJF4L	SD	12/14/24 16:01		Kareem	OK
37	P4982-22	MBHJF4S	MS	12/14/24 16:05	Fail for Se(Below RL)	Kareem	OK

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Supervise By	Mohan Bera	Supervise On	12/24/2024 3:42:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83141
Chk Standard	MP83513,MP83514

38	P4978-01	MBHJ49	SAM	12/14/24 16:09	Ca high	Kareem	Dilution
39	P4978-02	MBHJ49D	DUP	12/14/24 16:13	Ca high	Kareem	Dilution
40	P4978-01L	MBHJ49L	SD	12/14/24 16:17	Ca high	Kareem	Dilution
41	P4978-03	MBHJ49S	MS	12/14/24 16:20	MS Fail for Se(Below RL	Kareem	OK
42	P4979-03	MBHJ68	SAM	12/14/24 16:24	Mn high	Kareem	Dilution
43	P4979-04	MBHJ68D	DUP	12/14/24 16:28	Mn high	Kareem	Dilution
44	P4979-03L	MBHJ68L	SD	12/14/24 16:32	Mn high	Kareem	Dilution
45	P4979-05	MBHJ68S	MS	12/14/24 16:36	Mn high,Fail for Be(Below RL),Cr(81 9694ppb),Cu(104.4917ppb),Se(Below RL),Zn(264.7466ppb)	Kareem	Dilution
46	P4941-01	MBHHY3	SAM	12/14/24 16:40		Kareem	OK
47	P4941-02	MBHHY4	SAM	12/14/24 16:44		Kareem	OK
48	P4941-04	MBHJ19	SAM	12/14/24 16:47		Kareem	OK
49	P4941-05	MBHJ26	SAM	12/14/24 16:51		Kareem	OK
50	P4941-06	MBHJ43	SAM	12/14/24 16:55	Ca high	Kareem	Dilution
51	P4941-07	MBHJ44	SAM	12/14/24 16:59	Ca high	Kareem	Dilution
52	P4941-08	MBHJ45	SAM	12/14/24 17:03		Kareem	OK
53	P4941-09	MBHJ46	SAM	12/14/24 17:06		Kareem	OK
54	P4941-10	MBHJ47	SAM	12/14/24 17:10	Ca high	Kareem	Dilution
55	P4941-12	MBHJD8	SAM	12/14/24 17:14		Kareem	OK

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Supervise By	Mohan Bera	Supervise On	12/24/2024 3:42:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83141
Chk Standard	MP83513,MP83514

56	CCV018	CCV018	CCV	12/14/24 17:31		Kareem	OK
57	CCB018	CCB018	CCB	12/14/24 17:35		Kareem	OK
58	P4941-13	MBHJD9	SAM	12/14/24 17:39		Kareem	OK
59	P4941-14	MBHJE0	SAM	12/14/24 17:42		Kareem	OK
60	P4941-15	MBHJE1	SAM	12/14/24 17:46		Kareem	OK
61	P4941-16	MBHJE2	SAM	12/14/24 17:50		Kareem	OK
62	P4941-17	MBHJE3	SAM	12/14/24 17:54		Kareem	OK
63	P4941-18	MBHJE4	SAM	12/14/24 17:58		Kareem	OK
64	P4941-22	MBHJF8	SAM	12/14/24 18:02	Ca high	Kareem	Dilution
65	P4980-01	MBHJ70	SAM	12/14/24 18:05	Ca high	Kareem	Dilution
66	P4980-02	MBHJ71	SAM	12/14/24 18:09	Ca, Mg high	Kareem	Dilution
67	P4980-03	MBHJ72	SAM	12/14/24 18:13	Ca, Mg high	Kareem	Dilution
68	P4980-04	MBHJ73	SAM	12/14/24 18:17		Kareem	OK
69	P4980-05	MBHJ74	SAM	12/14/24 18:21	Ca high	Kareem	Dilution
70	P4980-06	MBHJ75	SAM	12/14/24 18:25		Kareem	OK
71	P4980-07	MBHJ76	SAM	12/14/24 18:28		Kareem	OK
72	P4980-08	MBHJ84	SAM	12/14/24 18:32		Kareem	OK
73	P4980-09	MBHJ85	SAM	12/14/24 18:36		Kareem	OK
74	P4980-10	MBHJ86	SAM	12/14/24 18:40	Ca, Mg high	Kareem	Dilution
75	P4980-11	MBHJ87	SAM	12/14/24 18:44	Ca high	Kareem	Dilution

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Review By	Sarabjit Jaswal	Review On	12/18/2024 9:54:24 PM
Supervise By	Mohan Bera	Supervise On	12/24/2024 3:42:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83141
Chk Standard	MP83513,MP83514

76	P4980-15	MBHJ89	SAM	12/14/24 18:48	Ca high	Kareem	Dilution
77	P4980-16	MBHJ90	SAM	12/14/24 18:51	Ca high	Kareem	Dilution
78	CCV019	CCV019	CCV	12/14/24 19:00		Kareem	OK
79	CCB019	CCB019	CCB	12/14/24 19:03		Kareem	OK
80	P4980-17	MBHJB0	SAM	12/14/24 19:07	Ca, Mg high	Kareem	Dilution
81	P4980-18	MBHJB1	SAM	12/14/24 19:11	Ca high	Kareem	Dilution
82	P4980-19	MBHJB2	SAM	12/14/24 19:15		Kareem	OK
83	P4980-20	MBHJB3	SAM	12/14/24 19:19	Ca high	Kareem	Dilution
84	P4980-21	MBHJB4	SAM	12/14/24 19:23		Kareem	OK
85	P4980-22	MBHJB5	SAM	12/14/24 19:27		Kareem	OK
86	P4982-01	MBHD2	SAM	12/14/24 19:30		Kareem	OK
87	P4982-02	MBHJ34	SAM	12/14/24 19:34	Ca high	Kareem	Dilution
88	P4982-03	MBHJ35	SAM	12/14/24 19:38	Ca high	Kareem	Dilution
89	P4982-04	MBHJ36	SAM	12/14/24 19:42	Ca high	Kareem	Dilution
90	P4982-05	MBHJ37	SAM	12/14/24 19:46	Ca high	Kareem	Dilution
91	P4982-06	MBHJ38	SAM	12/14/24 19:50	Ca high	Kareem	Dilution
92	P4982-07	MBHJ39	SAM	12/14/24 19:54		Kareem	OK
93	P4982-08	MBHJ40	SAM	12/14/24 19:58	Ca high	Kareem	Dilution
94	P4982-09	MBHJD1	SAM	12/14/24 20:01		Kareem	OK
95	P4982-10	MBHJD3	SAM	12/14/24 20:05		Kareem	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB133953

Review By	Sarabjit Jaswal	Review On	12/18/2024 9:54:24 PM
Supervise By	Mohan Bera	Supervise On	12/24/2024 3:42:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83141
Chk Standard	MP83513,MP83514

96	P4982-11	MBHJD4	SAM	12/14/24 20:09		Kareem	OK
97	P4982-12	MBHJD5	SAM	12/14/24 20:13		Kareem	OK
98	P4982-13	MBHJD6	SAM	12/14/24 20:17		Kareem	OK
99	P4982-14	MBHJD7	SAM	12/14/24 20:20		Kareem	OK
100	CCV020	CCV020	CCV	12/14/24 20:24		Kareem	OK
101	CCB020	CCB020	CCB	12/14/24 20:28		Kareem	OK
102	P4982-15	MBHJE9	SAM	12/14/24 20:39	Ca high	Kareem	Dilution
103	P4982-16	MBHJF0	SAM	12/14/24 20:43	Ca high	Kareem	Dilution
104	P4982-17	MBHJF1	SAM	12/14/24 20:47		Kareem	OK
105	P4982-18	MBHJF2	SAM	12/14/24 20:50		Kareem	OK
106	P4982-19	MBHJF3	SAM	12/14/24 20:54		Kareem	OK
107	P4978-04	MBHJ50	SAM	12/14/24 20:58	Ca high	Kareem	Dilution
108	P4978-05	MBHJ51	SAM	12/14/24 21:02	Ca, Mg high	Kareem	Dilution
109	P4978-06	MBHJ52	SAM	12/14/24 21:06	Ca, Mg high	Kareem	Dilution
110	P4978-07	MBHJ53	SAM	12/14/24 21:10	Ca, Mg high	Kareem	Dilution
111	P4978-08	MBHJ54	SAM	12/14/24 21:14	Ca high	Kareem	Dilution
112	P4978-09	MBHJ55	SAM	12/14/24 21:18	Ca high	Kareem	Dilution
113	P4978-10	MBHJ63	SAM	12/14/24 21:22		Kareem	OK
114	P4978-11	MBHJ64	SAM	12/14/24 21:26		Kareem	OK
115	P4978-12	MBHJ65	SAM	12/14/24 21:30		Kareem	OK

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Supervise By	Mohan Bera	Supervise On	12/24/2024 3:42:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83141
Chk Standard	MP83513,MP83514

116	P4978-13	MBHJ77	SAM	12/14/24 21:33		Kareem	OK
117	P4978-14	MBHJ78	SAM	12/14/24 21:37		Kareem	OK
118	P4978-15	MBHJ79	SAM	12/14/24 21:41		Kareem	OK
119	P4978-16	MBHJ80	SAM	12/14/24 21:45		Kareem	OK
120	P4978-17	MBHJ81	SAM	12/14/24 21:49		Kareem	OK
121	P4978-18	MBHJ82	SAM	12/14/24 21:52		Kareem	OK
122	CCV021	CCV021	CCV	12/14/24 21:56		Kareem	OK
123	CCB021	CCB021	CCB	12/14/24 22:00		Kareem	OK
124	P4978-19	MBHJ83	SAM	12/14/24 22:04		Kareem	OK
125	P4978-20	MBHJ98	SAM	12/14/24 22:08		Kareem	OK
126	P4978-21	MBHJ99	SAM	12/14/24 22:11		Kareem	OK
127	P4978-22	MBHJA0	SAM	12/14/24 22:15		Kareem	OK
128	P4979-01	MBHJ66	SAM	12/14/24 22:19		Kareem	OK
129	P4979-02	MBHJ67	SAM	12/14/24 22:23		Kareem	OK
130	P4979-06	MBHJ69	SAM	12/14/24 22:27	Ca high	Kareem	Dilution
131	P4979-07	MBHJ91	SAM	12/14/24 22:31		Kareem	OK
132	P4979-08	MBHJ92	SAM	12/14/24 22:34		Kareem	OK
133	P4979-09	MBHJ93	SAM	12/14/24 22:38		Kareem	OK
134	P4979-10	MBHJ94	SAM	12/14/24 22:42		Kareem	OK
135	P4979-11	MBHJ95	SAM	12/14/24 22:46		Kareem	OK

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Instrument ID: P5

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ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83141
Chk Standard	MP83513,MP83514

136	P4979-12	MBHJ96	SAM	12/14/24 22:50		Kareem	OK
137	P4979-13	MBHJA1	SAM	12/14/24 22:53		Kareem	OK
138	P4979-14	MBHJA2	SAM	12/14/24 22:57	Ca high	Kareem	Dilution
139	P4979-15	MBHJA3	SAM	12/14/24 23:01	Ca high	Kareem	Dilution
140	P4979-16	MBHJA4	SAM	12/14/24 23:05	Ca high	Kareem	Dilution
141	P4979-17	MBHJB7	SAM	12/14/24 23:09	Ca high	Kareem	Dilution
142	P4979-18	MBHJB8	SAM	12/14/24 23:13		Kareem	OK
143	P4979-19	MBHJB9	SAM	12/14/24 23:17		Kareem	OK
144	CCV022	CCV022	CCV	12/14/24 23:21		Kareem	OK
145	CCB022	CCB022	CCB	12/14/24 23:28	Inst. paused for review	Kareem	OK
146	P4979-20	MBHJC0	SAM	12/14/24 23:32		Kareem	OK
147	P4979-21	MBHJC1	SAM	12/14/24 23:36		Kareem	OK
148	P4979-22	MBHJC2	SAM	12/14/24 23:40		Kareem	OK
149	PB165288BL	PBS288	MB	12/14/24 23:44		Kareem	OK
150	PB165288BS	LCS288	LCS	12/14/24 23:48		Kareem	OK
151	PB165302BL	PBS302	MB	12/14/24 23:52		Kareem	OK
152	PB165302BS	LCS302	LCS	12/14/24 23:56		Kareem	OK
153	PB165306BL	PBS306	MB	12/15/24		Kareem	OK
154	PB165306BS	LCS306	LCS	12/15/24 00:04		Kareem	OK
155	PB165305BL	PBS305	MB	12/15/24 00:08		Kareem	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB133953

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Supervise By	Mohan Bera	Supervise On	12/24/2024 3:42:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83141
Chk Standard	MP83513,MP83514

156	PB165305BS	LCS305	LCS	12/15/24 00:12		Kareem	OK
157	P4984-01	MBHJF5	SAM	12/15/24 00:16		Kareem	OK
158	P4984-02	MBHJF6	SAM	12/15/24 00:19		Kareem	OK
159	P4984-03	MBHJL8	SAM	12/15/24 00:23		Kareem	OK
160	P4984-04	MBHJT2	SAM	12/15/24 00:27		Kareem	OK
161	P4984-05	MBHJT3	SAM	12/15/24 00:31		Kareem	OK
162	P4984-06	MBHJT1	SAM	12/15/24 00:35	Ca high	Kareem	Dilution
163	P4984-07	MBHJT4	SAM	12/15/24 00:38	Ca high	Kareem	Dilution
164	P4984-08	MBHJT5	SAM	12/15/24 00:42	Ca, Mg high	Kareem	Dilution
165	P4984-09	MBHJP6	SAM	12/15/24 00:46		Kareem	OK
166	CCV023	CCV023	CCV	12/15/24 00:50		Kareem	OK
167	CCB023	CCB023	CCB	12/15/24 00:54		Kareem	OK
168	P4984-10	MBHJQ4	SAM	12/15/24 00:58		Kareem	OK
169	P4984-11	MBHJQ5	SAM	12/15/24 01:02		Kareem	OK
170	P4984-12	MBHJQ6	SAM	12/15/24 01:05		Kareem	OK
171	P4984-13	MBHJQ7	SAM	12/15/24 01:09		Kareem	OK
172	P4984-14	MBHJQ8	SAM	12/15/24 01:13		Kareem	OK
173	P4984-15	MBHJQ9	SAM	12/15/24 01:17		Kareem	OK
174	P4984-16	MBHJR0	SAM	12/15/24 01:21		Kareem	OK
175	P4984-17	MBHJR1	SAM	12/15/24 01:25		Kareem	OK

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Fax : 908 789 8922

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB133953

Review By	Sarabjit Jaswal	Review On	12/18/2024 9:54:24 PM
Supervise By	Mohan Bera	Supervise On	12/24/2024 3:42:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83141
Chk Standard	MP83513,MP83514

176	P4984-18	MBHJR2	SAM	12/15/24 01:28		Kareem	OK
177	P4984-19	MBHJR3	SAM	12/15/24 01:32		Kareem	OK
178	P4984-20	MBHJR3D	DUP	12/15/24 01:36		Kareem	OK
179	P4984-19L	MBHJR3L	SD	12/15/24 01:40		Kareem	OK
180	P4984-21	MBHJR3S	MS	12/15/24 01:44	Fail for Cu(557.7061ppb),Se(Below RL), Zn(2197.651ppb)	Kareem	OK
181	P4984-22	MBHJR4	SAM	12/15/24 01:47		Kareem	OK
182	P5010-01	MBHJH3	SAM	12/15/24 01:51		Kareem	OK
183	P5010-02	MBHJH4	SAM	12/15/24 01:55		Kareem	OK
184	P5010-03	MBHJH5	SAM	12/15/24 01:59		Kareem	OK
185	P5010-04	MBHJH6	SAM	12/15/24 02:04		Kareem	OK
186	P5010-05	MBHJH7	SAM	12/15/24 02:08		Kareem	OK
187	P5010-06	MBHJH8	SAM	12/15/24 02:11		Kareem	OK
188	CCV024	CCV024	CCV	12/15/24 02:23		Kareem	OK
189	CCB024	CCB024	CCB	12/15/24 02:27		Kareem	OK
190	P5010-07	MBHJH9	SAM	12/15/24 02:31	Ca, high	Kareem	Dilution
191	P5010-08	MBHJK5	SAM	12/15/24 02:35		Kareem	OK
192	P5010-09	MBHJK6	SAM	12/15/24 02:39		Kareem	OK
193	P5010-10	MBHJK7	SAM	12/15/24 02:43		Kareem	OK
194	P5010-11	MBHJK8	SAM	12/15/24 02:46		Kareem	OK

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STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83141
Chk Standard	MP83513,MP83514

195	P5010-12	MBHJK9	SAM	12/15/24 02:50		Kareem	OK
196	P5010-13	MBHJL0	SAM	12/15/24 02:54		Kareem	OK
197	P5010-14	MBHJL1	SAM	12/15/24 02:58		Kareem	OK
198	P5010-15	MBHJL2	SAM	12/15/24 03:02		Kareem	OK
199	P5010-16	MBHJL3	SAM	12/15/24 03:05		Kareem	OK
200	P5010-17	MBHJL4	SAM	12/15/24 03:09		Kareem	OK
201	P5010-18	MBHJL5	SAM	12/15/24 03:13		Kareem	OK
202	P5010-19	MBHJL6	SAM	12/15/24 03:17		Kareem	OK
203	P5010-20	MBHJL6D	DUP	12/15/24 03:21		Kareem	OK
204	P5010-19L	MBHJL6L	SD	12/15/24 03:25		Kareem	OK
205	P5010-21	MBHJL6S	MS	12/15/24 03:28	Fail for Se(Below RL)	Kareem	OK
206	P5010-22	MBHJL7	SAM	12/15/24 03:32		Kareem	OK
207	P5011-01	MBHJM6	SAM	12/15/24 03:36		Kareem	OK
208	P5011-02	MBHJM7	SAM	12/15/24 03:40		Kareem	OK
209	P5011-03	MBHJM8	SAM	12/15/24 03:44		Kareem	OK
210	CCV025	CCV025	CCV	12/15/24 03:47		Kareem	OK
211	CCB025	CCB025	CCB	12/15/24 03:51		Kareem	OK
212	P5011-04	MBHJM9	SAM	12/15/24 03:55		Kareem	OK
213	P5011-05	MBHJN0	SAM	12/15/24 03:59		Kareem	OK
214	P5011-06	MBHJN1	SAM	12/15/24 04:03		Kareem	OK

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Supervise By	Mohan Bera	Supervise On	12/24/2024 3:42:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83141
Chk Standard	MP83513,MP83514

215	P5011-07	MBHJN2	SAM	12/15/24 04:07		Kareem	OK
216	P5011-08	MBHJN3	SAM	12/15/24 04:10		Kareem	OK
217	P5011-09	MBHJN4	SAM	12/15/24 04:14		Kareem	OK
218	P5011-10	MBHJN5	SAM	12/15/24 04:18		Kareem	OK
219	P5011-11	MBHJN6	SAM	12/15/24 04:22		Kareem	OK
220	P5011-12	MBHJN7	SAM	12/15/24 04:26		Kareem	OK
221	P5011-13	MBHJN8	SAM	12/15/24 04:29		Kareem	OK
222	P5011-14	MBHJN9	SAM	12/15/24 04:33		Kareem	OK
223	P5011-15	MBHJP0	SAM	12/15/24 04:37		Kareem	OK
224	P5011-16	MBHJP1	SAM	12/15/24 04:41		Kareem	OK
225	P5011-17	MBHJP2	SAM	12/15/24 04:45		Kareem	OK
226	P5011-18	MBHJP3	SAM	12/15/24 04:49		Kareem	OK
227	P5011-19	MBHJP4	SAM	12/15/24 04:52		Kareem	OK
228	P5011-20	MBHJP5	SAM	12/15/24 04:56		Kareem	OK
229	P5011-21	MBHJP5D	DUP	12/15/24 05:00		Kareem	OK
230	P5011-20L	MBHJP5L	SD	12/15/24 05:04		Kareem	OK
231	P5011-22	MBHJP5S	MS	12/15/24 05:08	Fail for Se(Below RL), Zn(1273.808ppb)	Kareem	OK
232	CCV026	CCV026	CCV	12/15/24 05:11		Kareem	OK
233	CCB026	CCB026	CCB	12/15/24 05:19	Inst. paused for review	Kareem	OK

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Supervise By	Mohan Bera	Supervise On	12/24/2024 3:42:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83141
Chk Standard	MP83513,MP83514

234	P5008-01	MBHJJ0	SAM	12/15/24 05:23	Ca, Mg high	Kareem	Dilution
235	P5008-02	MBHJJ1	SAM	12/15/24 05:27	Ca, Mg high	Kareem	Dilution
236	P5008-03	MBHJJ3	SAM	12/15/24 05:31	Ca, Mg high	Kareem	Dilution
237	P5008-04	MBHJJ4	SAM	12/15/24 05:35	Ca, Mg high	Kareem	Dilution
238	P5008-05	MBHJJ5	SAM	12/15/24 05:39	Ca, Mg high	Kareem	Dilution
239	P5008-06	MBHJJ6	SAM	12/15/24 05:43	Ca, Mg high	Kareem	Dilution
240	P5008-07	MBHJJ7	SAM	12/15/24 05:47	Ca, high	Kareem	Dilution
241	P5008-08	MBHJL9	SAM	12/15/24 05:51		Kareem	OK
242	P5008-09	MBHJM0	SAM	12/15/24 05:54		Kareem	OK
243	P5008-10	MBHJM1	SAM	12/15/24 05:58		Kareem	OK
244	P5008-11	MBHJM2	SAM	12/15/24 06:02		Kareem	OK
245	P5008-12	MBHJM3	SAM	12/15/24 06:06		Kareem	OK
246	P5008-13	MBHJM4	SAM	12/15/24 06:10	Ca, high	Kareem	Dilution
247	P5008-14	MBHJM5	SAM	12/15/24 06:13	Ca, high	Kareem	Dilution
248	P5008-15	MBHJS5	SAM	12/15/24 06:17		Kareem	OK
249	P5008-16	MBHJS6	SAM	12/15/24 06:21		Kareem	OK
250	P5008-17	MBHJS7	SAM	12/15/24 06:25		Kareem	OK
251	P5008-18	MBHJS8	SAM	12/15/24 06:29		Kareem	OK
252	P5008-19	MBHJS9	SAM	12/15/24 06:33		Kareem	OK
253	P5008-20	MBHJT0	SAM	12/15/24 06:36	MS fail for All parameters	Kareem	Not Ok

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Daily Analysis Runlog For Sequence/QCBatch ID # LB133953

Review By	Sarabjit Jaswal	Review On	12/18/2024 9:54:24 PM
Supervise By	Mohan Bera	Supervise On	12/24/2024 3:42:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83141
Chk Standard	MP83513,MP83514

254	CCV027	CCV027	CCV	12/15/24 06:40		Kareem	OK
255	CCB027	CCB027	CCB	12/15/24 06:47	Inst. paused for review	Kareem	OK
256	P5008-21	MBHJT0D	DUP	12/15/24 06:51	MS fail for All parameters	Kareem	Not Ok
257	P5008-20L	MBHJT0L	SD	12/15/24 06:55	MS fail for All parameters	Kareem	Not Ok
258	P5008-22	MBHJT0S	MS	12/15/24 06:59	Fail for All parameters	Kareem	Not Ok
259	P5012-01	MBHJR5	SAM	12/15/24 07:03		Kareem	OK
260	P5012-02	MBHJR6	SAM	12/15/24 07:07		Kareem	OK
261	P5012-03	MBHJR7	SAM	12/15/24 07:11		Kareem	OK
262	P5012-04	MBHJT6	SAM	12/15/24 07:15		Kareem	OK
263	P5012-05	MBHJT7	SAM	12/15/24 07:18		Kareem	OK
264	P5012-06	MBHJJ8	SAM	12/15/24 07:22		Kareem	OK
265	P5012-07	MBHJJ9	SAM	12/15/24 07:26		Kareem	OK
266	P5012-08	MBHJK0	SAM	12/15/24 07:30	Ca, high	Kareem	Dilution
267	P5012-09	MBHJK1	SAM	12/15/24 07:34	Ca, high	Kareem	Dilution
268	P5012-10	MBHJK2	SAM	12/15/24 07:38		Kareem	OK
269	P5012-11	MBHJK3	SAM	12/15/24 07:41		Kareem	OK
270	P5012-12	MBHJK3D	DUP	12/15/24 07:45		Kareem	OK
271	P5012-11L	MBHJK3L	SD	12/15/24 07:49		Kareem	OK
272	P5012-13	MBHJK3S	MS	12/15/24 07:53	Fail for As(59.2113ppb),Mn(4019.278ppb),Se(Below RL)	Kareem	OK

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Supervise By	Mohan Bera	Supervise On	12/24/2024 3:42:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83141
Chk Standard	MP83513,MP83514

273	P5012-14	MBHJK4	SAM	12/15/24 07:57		Kareem	OK
274	P5012-15	MBHJP7	SAM	12/15/24 08:01		Kareem	OK
275	P5012-16	MBHJP8	SAM	12/15/24 08:04		Kareem	OK
276	CCV028	CCV028	CCV	12/15/24 08:12		Kareem	OK
277	CCB028	CCB028	CCB	12/15/24 08:15		Kareem	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134014

Review By	Sarabjit Jaswal	Review On	12/21/2024 3:05:38 AM
Supervise By	Mohan Bera	Supervise On	12/21/2024 3:05:48 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	12/18/24 17:17		Kareem	OK
2	S1	S01	CAL2	12/18/24 17:21		Kareem	OK
3	S2	S02	CAL3	12/18/24 17:25		Kareem	OK
4	S3	S03	CAL4	12/18/24 17:29		Kareem	OK
5	S4	S04	CAL5	12/18/24 17:32		Kareem	OK
6	S5	S05	CAL6	12/18/24 17:36		Kareem	OK
7	S6	S06	CAL7	12/18/24 17:40		Kareem	OK
8	ICV007	ICV007	ICV	12/18/24 18:21	Inst. paused for calibration review	Kareem	OK
9	ICB007	ICB007	ICB	12/18/24 18:31	Inst. paused for review	Kareem	OK
10	ICSA007	ICSA007	ICSA	12/18/24 18:35		Kareem	OK
11	ICSAB007	ICSAB007	ICSAB	12/18/24 18:48	Inst. paused for review	Kareem	OK
12	CCV060	CCV060	CCV	12/18/24 18:57	Inst. paused for review	Kareem	OK
13	CCB060	CCB060	CCB	12/18/24 19:00		Kareem	OK
14	PB165494BL	PBS494	MB	12/18/24 19:04		Kareem	OK
15	PB165494BS	LCS494	LCS	12/18/24 19:08		Kareem	OK
16	PB165505BL	PBS505	MB	12/18/24 19:12		Kareem	OK
17	PB165505BS	LCS505	LCS	12/18/24 19:17		Kareem	OK
18	PB165490BL	PBS490	MB	12/18/24 19:20		Kareem	OK

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Supervise By	Mohan Bera	Supervise On	12/21/2024 3:05:48 AM

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ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

19	PB165490BS	LCS490	LCS	12/18/24 19:25		Kareem	OK
20	PB165505BSRE	LCS505	LCS	12/18/24 19:28	NOT USE	Kareem	Not Ok
21	P5058-01	MBHL80	SAM	12/18/24 19:32		Kareem	OK
22	P5058-02	MBHL81	SAM	12/18/24 19:36		Kareem	OK
23	P5058-03	MBHL82	SAM	12/18/24 19:40	Ca high	Kareem	Dilution
24	P5058-04	MBHL82D	DUP	12/18/24 19:44	Ca high	Kareem	Dilution
25	P5058-03L	MBHL82L	SD	12/18/24 19:48	Ca high	Kareem	Dilution
26	P5058-05	MBHL82S	MS	12/18/24 19:52	Ca high,MS Fail for Tl(Below RL)	Kareem	Dilution
27	P5058-06	MBHL83	SAM	12/18/24 19:56	Ca high	Kareem	Dilution
28	P5058-07	MBHL84	SAM	12/18/24 19:59		Kareem	OK
29	P5058-08	MBHL85	SAM	12/18/24 20:03		Kareem	OK
30	P5058-09	MBHL86	SAM	12/18/24 20:07		Kareem	OK
31	P5058-10	MBHL87	SAM	12/18/24 20:11		Kareem	OK
32	P5058-11	MBHL88	SAM	12/18/24 20:15		Kareem	OK
33	P5058-12	MBHL89	SAM	12/18/24 20:18		Kareem	OK
34	P5058-13	MBHL90	SAM	12/18/24 20:22		Kareem	OK
35	CCV061	CCV061	CCV	12/18/24 20:26		Kareem	OK
36	CCB061	CCB061	CCB	12/18/24 20:30		Kareem	OK
37	P5058-14	MBHL98	SAM	12/18/24 20:34		Kareem	OK

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STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

38	P5058-15	MBHL99	SAM	12/18/24 20:38		Kareem	OK
39	P5058-16	MBHLA0	SAM	12/18/24 20:41		Kareem	OK
40	P5058-17	MBHLA1	SAM	12/18/24 20:45		Kareem	OK
41	P5058-18	MBHLA2	SAM	12/18/24 20:49		Kareem	OK
42	P5058-19	MBHLA3	SAM	12/18/24 20:53		Kareem	OK
43	P5058-20	MBHLA4	SAM	12/18/24 20:57	Ca high	Kareem	Dilution
44	P5058-21	MBHLC6	SAM	12/18/24 21:01		Kareem	OK
45	P5058-22	MBHLC7	SAM	12/18/24 21:05		Kareem	OK
46	P5061-01	MBHL48	SAM	12/18/24 21:08		Kareem	OK
47	P5061-02	MBHL49	SAM	12/18/24 21:12		Kareem	OK
48	P5061-03	MBHL50	SAM	12/18/24 21:16		Kareem	OK
49	P5061-04	MBHL51	SAM	12/18/24 21:20		Kareem	OK
50	P5061-05	MBHL52	SAM	12/18/24 21:24	Ca high	Kareem	Dilution
51	P5061-06	MBHL52D	DUP	12/18/24 21:27	Ca high	Kareem	Dilution
52	P5061-05L	MBHL52L	SD	12/18/24 21:31	Ca high	Kareem	Dilution
53	P5061-07	MBHL52S	MS	12/18/24 21:35	Ca high,MS Fail for Se(40.6879ppb),Tl(Below	Kareem	Dilution
54	P5061-08	MBHL53	SAM	12/18/24 21:39	Ca high	Kareem	Dilution
55	P5061-09	MBHL54	SAM	12/18/24 21:43	Ca high	Kareem	Dilution
56	P5061-10	MBHL55	SAM	12/18/24 21:47		Kareem	OK

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ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

57	CCV062	CCV062	CCV	12/18/24 21:51		Kareem	OK
58	CCB062	CCB062	CCB	12/18/24 21:54		Kareem	OK
59	P5061-11	MBHL60	SAM	12/18/24 21:58	Ca high	Kareem	Dilution
60	P5061-12	MBHL61	SAM	12/18/24 22:02		Kareem	OK
61	P5061-13	MBHL62	SAM	12/18/24 22:06		Kareem	OK
62	P5061-14	MBHL63	SAM	12/18/24 22:10		Kareem	OK
63	P5061-15	MBHL64	SAM	12/18/24 22:14	Mn high	Kareem	Dilution
64	P5061-16	MBHL65	SAM	12/18/24 22:17		Kareem	OK
65	P5061-17	MBHL66	SAM	12/18/24 22:21		Kareem	OK
66	P5061-18	MBHL67	SAM	12/18/24 22:25		Kareem	OK
67	P5061-19	MBHKZ3	SAM	12/18/24 22:29		Kareem	OK
68	P5061-20	MBHKZ4	SAM	12/18/24 22:33		Kareem	OK
69	P5061-21	MBHKZ5	SAM	12/18/24 22:36		Kareem	OK
70	P5061-22	MBHKZ6	SAM	12/18/24 22:40	Ca high	Kareem	Dilution
71	P5059-01	MBHL70	SAM	12/18/24 22:44		Kareem	OK
72	P5059-02	MBHL71	SAM	12/18/24 22:48		Kareem	OK
73	P5059-03	MBHL72	SAM	12/18/24 22:52		Kareem	OK
74	P5059-04	MBHL73	SAM	12/18/24 22:55		Kareem	OK
75	P5059-05	MBHL74	SAM	12/18/24 22:59		Kareem	OK
76	P5059-06	MBHL75	SAM	12/18/24 23:03		Kareem	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134014

Review By	Sarabjit Jaswal	Review On	12/21/2024 3:05:38 AM
Supervise By	Mohan Bera	Supervise On	12/21/2024 3:05:48 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

77	P5059-07	MBHL76	SAM	12/18/24 23:07		Kareem	OK
78	P5059-08	MBHL91	SAM	12/18/24 23:11		Kareem	OK
79	CCV063	CCV063	CCV	12/18/24 23:15		Kareem	OK
80	CCB063	CCB063	CCB	12/18/24 23:18		Kareem	OK
81	P5059-09	MBHL92	SAM	12/18/24 23:22		Kareem	OK
82	P5059-10	MBHL93	SAM	12/18/24 23:26		Kareem	OK
83	P5059-11	MBHLC1	SAM	12/18/24 23:30		Kareem	OK
84	P5059-12	MBHLC2	SAM	12/18/24 23:34		Kareem	OK
85	P5059-13	MBHLC3	SAM	12/18/24 23:38		Kareem	OK
86	P5059-14	MBHLC4	SAM	12/18/24 23:41		Kareem	OK
87	P5059-15	MBHLC4D	DUP	12/18/24 23:45		Kareem	OK
88	P5059-14L	MBHLC4L	SD	12/18/24 23:49		Kareem	OK
89	P5059-16	MBHLC4S	MS	12/18/24 23:53	MS Fail for Tl(Below RL),Zn(327.6780ppb)	Kareem	OK
90	PB165531BL	PBS531	MB	12/18/24 23:57		Kareem	OK
91	PB165531BS	LCS531	LCS	12/19/24 00:01		Kareem	OK
92	PB165547BL	PBS547	MB	12/19/24 00:05		Kareem	OK
93	PB165547BS	LCS547	LCS	12/19/24 00:09		Kareem	OK
94	PB165547BSD	LCSD547	LCSD	12/19/24 00:13		Kareem	OK
95	PB165529BL	PBS529	MB	12/19/24 00:17		Kareem	OK

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Instrument ID: P5

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Supervise By	Mohan Bera	Supervise On	12/21/2024 3:05:48 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

96	PB165529BS	LCS529	LCS	12/19/24 00:21		Kareem	OK
97	PB165552BL	PBS552	MB	12/19/24 00:25		Kareem	OK
98	PB165552BS	LCS552	LCS	12/19/24 00:29		Kareem	OK
99	PB165552BSD	LCSD552	LCSD	12/19/24 00:33		Kareem	OK
100	PB165321BL	PBS321	MB	12/19/24 00:37		Kareem	OK
101	CCV064	CCV064	CCV	12/19/24 00:41		Kareem	OK
102	CCB064	CCB064	CCB	12/19/24 00:44		Kareem	OK
103	PB165321BS	LCS321	LCS	12/19/24 00:48		Kareem	OK
104	PB165577BL	PBS577	MB	12/19/24 00:52	NOT USE	Kareem	Not Ok
105	PB165577BS	LCS577	LCS	12/19/24 00:56	NOT USE	Kareem	Not Ok
106	PB165577BSD	LCSD577	LCSD	12/19/24 01:00	NOT USE	Kareem	Not Ok
107	PB165529BSD	LCSD529	LCSD	12/19/24 01:04		Kareem	OK
108	PB165579BL	PBS579	MB	12/19/24 01:08		Kareem	OK
109	PB165579BS	LCS579	LCS	12/19/24 01:12		Kareem	OK
110	PB165579BSD	LCSD579	LCSD	12/19/24 01:16		Kareem	OK
111	P5154-17	ME28Q4D	DUP	12/19/24 01:20	Fe high	Kareem	Dilution
112	P5154-16L	ME28Q4L	SD	12/19/24 01:24	Fe high	Kareem	Dilution
113	P5154-18	ME28Q4S	MS	12/19/24 01:28		Kareem	OK
114	P5173-20DL	MYCZ58	SAM	12/19/24 01:32		Kareem	OK
115	P5173-21DL	MYCZ58D	DUP	12/19/24 01:35		Kareem	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134014

Review By	Sarabjit Jaswal	Review On	12/21/2024 3:05:38 AM
Supervise By	Mohan Bera	Supervise On	12/21/2024 3:05:48 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

116	P5173-20LDL	MYCZ58L	SD	12/19/24 01:39		Kareem	OK
117	P5173-22DL	MYCZ58S	MS	12/19/24 01:43		Kareem	OK
118	P5172-20DL	MYCZ38	SAM	12/19/24 01:47		Kareem	OK
119	P5172-21DL	MYCZ38D	DUP	12/19/24 01:51		Kareem	OK
120	P5172-20LDL	MYCZ38L	SD	12/19/24 01:55		Kareem	OK
121	P5172-22DL	MYCZ38S	MS	12/19/24 01:59	MS Fail for Cu(50.05911 ppb)	Kareem	OK
122	P5179-20DL	MYCZA8	SAM	12/19/24 02:02		Kareem	OK
123	CCV065	CCV065	CCV	12/19/24 02:06		Kareem	OK
124	CCB065	CCB065	CCB	12/19/24 02:10		Kareem	OK
125	P5179-21DL	MYCZA8D	DUP	12/19/24 02:14		Kareem	OK
126	P5179-20LDL	MYCZA8L	SD	12/19/24 02:18		Kareem	OK
127	P5179-22DL	MYCZA8S	MS	12/19/24 02:22		Kareem	OK
128	P5177-20DL	MYD021	SAM	12/19/24 02:25		Kareem	OK
129	P5177-21DL	MYD021D	DUP	12/19/24 02:29		Kareem	OK
130	P5177-20LDL	MYD021L	SD	12/19/24 02:33		Kareem	OK
131	P5177-22DL	MYD021S	MS	12/19/24 02:37	MS Fail for Pb(129.5635ppb)	Kareem	OK
132	P5178-21DL	MYCZ88D	DUP	12/19/24 02:41	NOT USE	Kareem	Not Ok
133	P5178-20LDL	MYCZ88L	SD	12/19/24 02:45	NOT USE	Kareem	Not Ok
134	P5178-22DL	MYCZ88S	MS	12/19/24 02:49	NOT USE	Kareem	Not Ok

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134014

Review By	Sarabjit Jaswal	Review On	12/21/2024 3:05:38 AM
Supervise By	Mohan Bera	Supervise On	12/21/2024 3:05:48 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

135	P4941-19A	MBHJF7A	PS	12/19/24 02:53	PS for Se - 0.007ml mp83726, Zn - 0.029ml m5819 - 10ml sample	Kareem	OK
136	P4978-01A	MBHJ49A	PS	12/19/24 02:56	PS for Se - 0.007ml mp83726-10ml sample	Kareem	OK
137	P4979-03A	MBHJ68A	PS	12/19/24 03:00	PS for Be - 0.0095ml mp83727, Cr - 0.016ml mp83724, Cu - 0.021ml mp83725, Se - 0.007ml mp83726, Zn - 0.0053ml m5819-10ml sample	Kareem	OK
138	P4980-12A	MBHJ88A	PS	12/19/24 03:04	PS for Se - 0.007ml mp83726, Zn - 0.032ml m5819-10ml sample	Kareem	OK
139	P4982-20A	MBHJF4A	PS	12/19/24 03:08	PS for Se - 0.007ml mp83726-10ml sample	Kareem	OK
140	P4984-19A	MBHJR3A	PS	12/19/24 03:12	PS for Cu - 0.011ml m5751, Se - 0.007ml mp83726, Zn - 0.044ml m5819-10ml sample	Kareem	OK
141	P5008-20	MBHJT0	SAM	12/19/24 03:16		Kareem	OK
142	P5008-21	MBHJT0D	DUP	12/19/24 03:19		Kareem	OK
143	P5008-20L	MBHJT0L	SD	12/19/24 03:23		Kareem	OK
144	P5008-22	MBHJT0S	MS	12/19/24 03:27		Kareem	OK
145	CCV066	CCV066	CCV	12/19/24 03:31		Kareem	OK
146	CCB066	CCB066	CCB	12/19/24 03:35		Kareem	OK
147	P5010-19A	MBHJL6A	PS	12/19/24 03:39	PS for Se - 0.007ml mp83726-10ml sample	Kareem	OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB134014

Review By	Sarabjit Jaswal	Review On	12/21/2024 3:05:38 AM
Supervise By	Mohan Bera	Supervise On	12/21/2024 3:05:48 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

148	P5011-20A	MBHJP5A	PS	12/19/24 03:42	PS for Se - 0.007ml mp83726, Zn - 0.025ml m5819-10ml sample	Kareem	OK
149	P5012-11A	MBHJK3A	PS	12/19/24 03:46	PS for As - 0.012ml mp83728, Mn - 0.08ml m5698, Se - 0.007ml mp83726-10ml sample	Kareem	OK
150	P5059-17	MBHLC5	SAM	12/19/24 03:50		Kareem	OK
151	P5059-18	MBHLD5	SAM	12/19/24 03:54		Kareem	OK
152	P5059-19	MBHLD6	SAM	12/19/24 03:58		Kareem	OK
153	P5154-01	ME28N9	SAM	12/19/24 04:01		Kareem	OK
154	P5154-02	ME28P0	SAM	12/19/24 04:05		Kareem	OK
155	P5154-03	ME28P1	SAM	12/19/24 04:09	Ca high	Kareem	Dilution
156	P5154-04	ME28P2	SAM	12/19/24 04:13		Kareem	OK
157	P5154-05	ME28P3	SAM	12/19/24 04:17		Kareem	OK
158	P5154-06	ME28P4	SAM	12/19/24 04:21	Ca high	Kareem	Dilution
159	P5154-07	ME28P5	SAM	12/19/24 04:24		Kareem	OK
160	P5154-08	ME28P6	SAM	12/19/24 04:28		Kareem	OK
161	P5154-09	ME28P7	SAM	12/19/24 04:32	Ca,Mg high	Kareem	Dilution
162	P5154-10	ME28P8	SAM	12/19/24 04:36		Kareem	OK
163	P5154-11	ME28P9	SAM	12/19/24 04:40	Fe high	Kareem	Dilution
164	P5154-12	ME28Q0	SAM	12/19/24 04:44		Kareem	OK
165	P5154-13	ME28Q1	SAM	12/19/24 04:47	Fe high	Kareem	Dilution

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134014

Review By	Sarabjit Jaswal	Review On	12/21/2024 3:05:38 AM
Supervise By	Mohan Bera	Supervise On	12/21/2024 3:05:48 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

166	P5154-14	ME28Q2	SAM	12/19/24 04:51	Fe high	Kareem	Dilution
167	CCV067	CCV067	CCV	12/19/24 04:55		Kareem	OK
168	CCB067	CCB067	CCB	12/19/24 04:59		Kareem	OK
169	P5154-15	ME28Q3	SAM	12/19/24 05:03	Fe high	Kareem	Dilution
170	P5154-16	ME28Q4	SAM	12/19/24 05:06	Fe high	Kareem	Dilution
171	P5154-19	ME28Q5	SAM	12/19/24 05:10		Kareem	OK
172	P5154-20	ME28R3	SAM	12/19/24 05:14	Fe high	Kareem	Dilution
173	P5154-21	ME28R4	SAM	12/19/24 05:18	Fe high	Kareem	Dilution
174	P5173-01DL	MYCZ39	SAM	12/19/24 05:21		Kareem	OK
175	P5173-02DL	MYCZ40	SAM	12/19/24 05:25		Kareem	OK
176	P5173-03DL	MYCZ41	SAM	12/19/24 05:29		Kareem	OK
177	P5173-04DL	MYCZ42	SAM	12/19/24 05:33		Kareem	OK
178	P5173-05DL	MYCZ43	SAM	12/19/24 05:37		Kareem	OK
179	P5173-06DL	MYCZ44	SAM	12/19/24 05:40		Kareem	OK
180	P5173-07DL	MYCZ45	SAM	12/19/24 05:44		Kareem	OK
181	P5173-08DL	MYCZ46	SAM	12/19/24 05:48		Kareem	OK
182	P5173-09DL	MYCZ47	SAM	12/19/24 05:52		Kareem	OK
183	P5173-10DL	MYCZ48	SAM	12/19/24 05:56		Kareem	OK
184	P5173-11DL	MYCZ49	SAM	12/19/24 06:00		Kareem	OK
185	P5173-12DL	MYCZ50	SAM	12/19/24 06:04		Kareem	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134014

Review By	Sarabjit Jaswal	Review On	12/21/2024 3:05:38 AM
Supervise By	Mohan Bera	Supervise On	12/21/2024 3:05:48 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

186	P5173-13DL	MYCZ51	SAM	12/19/24 06:08		Kareem	OK
187	P5173-14DL	MYCZ52	SAM	12/19/24 06:11		Kareem	OK
188	P5173-15DL	MYCZ53	SAM	12/19/24 06:15		Kareem	OK
189	CCV068	CCV068	CCV	12/19/24 06:19		Kareem	OK
190	CCB068	CCB068	CCB	12/19/24 06:23		Kareem	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134057

Review By	Mohan Bera	Review On	12/23/2024 12:36:57 AM
Supervise By	Sarabjit Jaswal	Supervise On	12/23/2024 12:39:29 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	12/20/24 17:18		Kareem	OK
2	S1	S01	CAL2	12/20/24 17:22		Kareem	OK
3	S2	S02	CAL3	12/20/24 17:26		Kareem	OK
4	S3	S03	CAL4	12/20/24 17:30		Kareem	OK
5	S4	S04	CAL5	12/20/24 17:34		Kareem	OK
6	S5	S05	CAL6	12/20/24 17:38		Kareem	OK
7	S6	S06	CAL7	12/20/24 17:42		Kareem	OK
8	ICV009	ICV009	ICV	12/20/24 18:43	Inst. paused for calibration review	Kareem	OK
9	ICB009	ICB009	ICB	12/20/24 18:47		Kareem	OK
10	ICSA009	ICSA009	ICSA	12/20/24 18:51		Kareem	OK
11	ICSAB009	ICSAB009	ICSAB	12/20/24 19:01	Inst. paused for review	Kareem	OK
12	CCV081	CCV081	CCV	12/20/24 19:05		Kareem	OK
13	CCB081	CCB081	CCB	12/20/24 19:09		Kareem	OK
14	P5067-05DL2	ME28M4	SAM	12/20/24 19:13	5X for Ca	Kareem	Confirms
15	P4964-05DL2	MBHJ03	SAM	12/20/24 19:17	5X for Ca	Kareem	Confirms
16	P5233-01	ME28R5	SAM	12/20/24 19:21		Kareem	OK
17	P5233-02	ME28R6	SAM	12/20/24 19:25		Kareem	OK
18	P5233-03	ME28R7	SAM	12/20/24 19:29	Ca high	Kareem	Dilution

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134057

Review By	Mohan Bera	Review On	12/23/2024 12:36:57 AM
Supervise By	Sarabjit Jaswal	Supervise On	12/23/2024 12:39:29 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

19	P5233-04	ME28R8	SAM	12/20/24 19:32	Ca high	Kareem	Dilution
20	P5233-05	ME28R9	SAM	12/20/24 19:36		Kareem	OK
21	P5233-06	ME28S0	SAM	12/20/24 19:40	Ca high	Kareem	Dilution
22	P5233-07	ME28S1	SAM	12/20/24 19:44		Kareem	OK
23	P5233-08	ME28S2	SAM	12/20/24 19:48		Kareem	OK
24	P5233-09	ME28S3	SAM	12/20/24 19:52		Kareem	OK
25	P5233-10	ME28S4	SAM	12/20/24 19:55		Kareem	OK
26	P5233-11	ME28S5	SAM	12/20/24 19:59		Kareem	OK
27	P5233-12	ME28S6	SAM	12/20/24 20:03		Kareem	OK
28	P5233-13	ME28S7	SAM	12/20/24 20:07		Kareem	OK
29	P5233-14	ME28S8	SAM	12/20/24 20:11		Kareem	OK
30	P5233-15	ME28S9	SAM	12/20/24 20:15		Kareem	OK
31	P5233-16	ME28T0	SAM	12/20/24 20:18		Kareem	OK
32	P5233-17	ME28T1	SAM	12/20/24 20:22	Fe high	Kareem	Dilution
33	P5233-18	ME28T2	SAM	12/20/24 20:26		Kareem	OK
34	CCV082	CCV082	CCV	12/20/24 20:30		Kareem	OK
35	CCB082	CCB082	CCB	12/20/24 20:33		Kareem	OK
36	P5233-19	ME28T3	SAM	12/20/24 20:37	Fe high	Kareem	Dilution
37	P5233-20	ME28S7D	DUP	12/20/24 20:41		Kareem	OK
38	P5233-13L	ME28S7L	SD	12/20/24 20:45		Kareem	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134057

Review By	Mohan Bera	Review On	12/23/2024 12:36:57 AM
Supervise By	Sarabjit Jaswal	Supervise On	12/23/2024 12:39:29 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

39	P5233-21	ME28S7S	MS	12/20/24 20:49		Kareem	OK
40	PB165605BL	PBS605	MB	12/20/24 20:53		Kareem	OK
41	PB165605BS	LCS605	LCS	12/20/24 20:57		Kareem	OK
42	P5009-01	MBHJQ0	SAM	12/20/24 21:01		Kareem	OK
43	P5009-02	MBHJQ1	SAM	12/20/24 21:05		Kareem	OK
44	P5009-03	MBHJQ2	SAM	12/20/24 21:09		Kareem	OK
45	P5009-04	MBHJQ3	SAM	12/20/24 21:12		Kareem	OK
46	P5009-05	MBHJQ3D	DUP	12/20/24 21:16		Kareem	OK
47	P5009-04L	MBHJQ3L	SD	12/20/24 21:20		Kareem	OK
48	P5009-06	MBHJQ3S	MS	12/20/24 21:24	MS fail for Cu(160.10 ppb),Se(65.97 ppb),Tl(Below RL),Zn(714 ppb)	Kareem	OK
49	P5009-07	MBHJR8	SAM	12/20/24 21:28		Kareem	OK
50	P5009-08	MBHJR9	SAM	12/20/24 21:32		Kareem	OK
51	P5009-09	MBHJS0	SAM	12/20/24 21:36		Kareem	OK
52	P5009-10	MBHJS1	SAM	12/20/24 21:39		Kareem	OK
53	P5009-11	MBHJS2	SAM	12/20/24 21:43		Kareem	OK
54	P5009-12	MBHJS3	SAM	12/20/24 21:47		Kareem	OK
55	P5009-13	MBHJS4	SAM	12/20/24 21:51		Kareem	OK
56	CCV083	CCV083	CCV	12/20/24 21:55		Kareem	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134057

Review By	Mohan Bera	Review On	12/23/2024 12:36:57 AM
Supervise By	Sarabjit Jaswal	Supervise On	12/23/2024 12:39:29 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

57	CCB083	CCB083	CCB	12/20/24 21:58		Kareem	OK
58	P5009-14	MBHJT8	SAM	12/20/24 22:02		Kareem	OK
59	P5009-15	MBHJY7	SAM	12/20/24 22:06		Kareem	OK
60	P5009-16	MBHJY8	SAM	12/20/24 22:10		Kareem	OK
61	P5009-17	MBHJY9	SAM	12/20/24 22:14		Kareem	OK
62	P5009-18	MBHJZ0	SAM	12/20/24 22:18		Kareem	OK
63	P5009-19	MBHJZ1	SAM	12/20/24 22:21		Kareem	OK
64	P5009-20	MBHJZ2	SAM	12/20/24 22:25		Kareem	OK
65	P5009-21	MBHJZ3	SAM	12/20/24 22:29	Ca high	Kareem	Dilution
66	P5009-22	MBHK10	SAM	12/20/24 22:33		Kareem	OK
67	PB165301BL	PBS301	MB	12/20/24 22:37		Kareem	OK
68	PB165301BS	LCS301	LCS	12/20/24 22:41		Kareem	OK
69	P5184-01DL	MYCZD9	SAM	12/20/24 22:45		Kareem	OK
70	P5184-02DL	MYCZE0	SAM	12/20/24 22:49		Kareem	OK
71	P5184-03DL	MYCZE1	SAM	12/20/24 22:52		Kareem	OK
72	P5184-04DL	MYCZE2	SAM	12/20/24 22:56		Kareem	OK
73	P5184-05DL	MYCZE3	SAM	12/20/24 23:00		Kareem	OK
74	P5184-06DL	MYCZE4	SAM	12/20/24 23:04		Kareem	OK
75	P5184-07DL	MYCZE5	SAM	12/20/24 23:08		Kareem	OK
76	P5184-08DL	MYCZE6	SAM	12/20/24 23:11		Kareem	OK

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Instrument ID: P5

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Review By	Mohan Bera	Review On	12/23/2024 12:36:57 AM
Supervise By	Sarabjit Jaswal	Supervise On	12/23/2024 12:39:29 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

77	P5184-09DL	MYCZE7	SAM	12/20/24 23:15		Kareem	OK
78	CCV084	CCV084	CCV	12/20/24 23:19		Kareem	OK
79	CCB084	CCB084	CCB	12/20/24 23:23		Kareem	OK
80	P5184-10DL	MYCZE8	SAM	12/20/24 23:27		Kareem	OK
81	P5184-11DL	MYCZE9	SAM	12/20/24 23:30		Kareem	OK
82	P5184-12DL	MYCZF0	SAM	12/20/24 23:34		Kareem	OK
83	P5184-13DL	MYCZF1	SAM	12/20/24 23:38		Kareem	OK
84	P5184-14DL	MYCZF2	SAM	12/20/24 23:42		Kareem	OK
85	P5184-15DL	MYCZF3	SAM	12/20/24 23:46		Kareem	OK
86	P5184-16DL	MYCZF4	SAM	12/20/24 23:49		Kareem	OK
87	P5184-17DL	MYCZF5	SAM	12/20/24 23:53		Kareem	OK
88	P5184-18DL	MYCZF6	SAM	12/20/24 23:57		Kareem	OK
89	P5184-19DL	MYCZF7	SAM	12/21/24 00:01		Kareem	OK
90	P5184-20DL	MYCZF8	SAM	12/21/24 00:05	MS fail for Many parameter	Kareem	Not Ok
91	P5184-21DL	MYCZF8D	DUP	12/21/24 00:08	MS fail for Many parameter	Kareem	Not Ok
92	P5184-20LDL	MYCZF8L	SD	12/21/24 00:12	MS fail for Many parameter	Kareem	Not Ok
93	P5184-22DL	MYCZF8S	MS	12/21/24 00:16	MS fail for Many parameter	Kareem	Not Ok
94	PB165634BL	PBS634	MB	12/21/24 00:20		Kareem	OK
95	PB165634BS	LCS634	LCS	12/21/24 00:24		Kareem	OK
96	PB165634BSD	LCDS634	LCSD	12/21/24 00:28		Kareem	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134057

Review By	Mohan Bera	Review On	12/23/2024 12:36:57 AM
Supervise By	Sarabjit Jaswal	Supervise On	12/23/2024 12:39:29 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

97	P5188-01DL	MYCZG9	SAM	12/21/24 00:32		Kareem	OK
98	P5188-02DL	MYCZH0	SAM	12/21/24 00:36		Kareem	OK
99	P5188-03DL	MYCZH1	SAM	12/21/24 00:40		Kareem	OK
100	CCV085	CCV085	CCV	12/21/24 00:43		Kareem	OK
101	CCB085	CCB085	CCB	12/21/24 00:47		Kareem	OK
102	P5188-04DL	MYCZH2	SAM	12/21/24 00:51		Kareem	OK
103	P5188-05DL	MYCZH3	SAM	12/21/24 00:55		Kareem	OK
104	P5188-06DL	MYCZH4	SAM	12/21/24 00:59		Kareem	OK
105	P5188-07DL	MYCZH5	SAM	12/21/24 01:03		Kareem	OK
106	P5188-08DL	MYCZH6	SAM	12/21/24 01:06		Kareem	OK
107	P5188-09DL	MYCZH7	SAM	12/21/24 01:10		Kareem	OK
108	P5188-10DL	MYCZH8	SAM	12/21/24 01:14		Kareem	OK
109	P5188-11DL	MYCZQ9	SAM	12/21/24 01:18		Kareem	OK
110	P5188-12DL	MYCZR0	SAM	12/21/24 01:22		Kareem	OK
111	P5188-13DL	MYCZR1	SAM	12/21/24 01:26		Kareem	OK
112	P5188-14DL	MYCZR2	SAM	12/21/24 01:29		Kareem	OK
113	P5188-15DL	MYCZR3	SAM	12/21/24 01:33		Kareem	OK
114	P5188-16DL	MYCZR4	SAM	12/21/24 01:37		Kareem	OK
115	P5188-17DL	MYCZR5	SAM	12/21/24 01:41		Kareem	OK
116	P5188-18DL	MYCZR6	SAM	12/21/24 01:45		Kareem	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134057

Review By	Mohan Bera	Review On	12/23/2024 12:36:57 AM
Supervise By	Sarabjit Jaswal	Supervise On	12/23/2024 12:39:29 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

117	P5188-19DL	MYCZR7	SAM	12/21/24 01:49		Kareem	OK
118	P5188-20DL	MYCZR8	SAM	12/21/24 01:53		Kareem	OK
119	P5188-21DL	MYCZR8D	DUP	12/21/24 01:57		Kareem	OK
120	P5188-20LDL	MYCZR8L	SD	12/21/24 02:00		Kareem	OK
121	P5188-22DL	MYCZR8S	MS	12/21/24 02:04		Kareem	OK
122	CCV086	CCV086	CCV	12/21/24 02:08		Kareem	OK
123	CCB086	CCB086	CCB	12/21/24 02:12		Kareem	OK
124	PB165688BL	PBS688	MB	12/21/24 02:16		Kareem	OK
125	PB165688BS	LCS688	LCS	12/21/24 02:20		Kareem	OK
126	PB165688BSD	LCSD688	LCSD	12/21/24 02:24		Kareem	OK
127	P5185-01DL	MYCZF9	SAM	12/21/24 02:28		Kareem	OK
128	P5185-02DL	MYCZG0	SAM	12/21/24 02:32		Kareem	OK
129	P5185-03DL	MYCZG1	SAM	12/21/24 02:35		Kareem	OK
130	P5185-04DL	MYCZG2	SAM	12/21/24 02:39		Kareem	OK
131	P5185-05DL	MYCZG3	SAM	12/21/24 02:43		Kareem	OK
132	P5185-06DL	MYCZG4	SAM	12/21/24 02:47		Kareem	OK
133	P5185-07DL	MYCZG5	SAM	12/21/24 02:51		Kareem	OK
134	P5185-08DL	MYCZG6	SAM	12/21/24 02:55		Kareem	OK
135	P5185-09DL	MYCZG7	SAM	12/21/24 02:59		Kareem	OK
136	P5185-10DL	MYCZG8	SAM	12/21/24 03:02		Kareem	OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB134057

Review By	Mohan Bera	Review On	12/23/2024 12:36:57 AM
Supervise By	Sarabjit Jaswal	Supervise On	12/23/2024 12:39:29 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

137	P5185-11DL	MYCZM9	SAM	12/21/24 03:06		Kareem	OK
138	P5185-12DL	MYCZN0	SAM	12/21/24 03:10		Kareem	OK
139	P5185-13DL	MYCZN1	SAM	12/21/24 03:14		Kareem	OK
140	P5185-14DL	MYCZN2	SAM	12/21/24 03:18		Kareem	OK
141	P5185-15DL	MYCZN3	SAM	12/21/24 03:22		Kareem	OK
142	P5185-16DL	MYCZN4	SAM	12/21/24 03:26		Kareem	OK
143	P5185-17DL	MYCZN5	SAM	12/21/24 03:30		Kareem	OK
144	CCV087	CCV087	CCV	12/21/24 03:33		Kareem	OK
145	CCB087	CCB087	CCB	12/21/24 03:37		Kareem	OK
146	P5185-18DL	MYCZN6	SAM	12/21/24 03:41		Kareem	OK
147	P5185-19DL	MYCZN7	SAM	12/21/24 03:45		Kareem	OK
148	P5185-20DL	MYCZN8	SAM	12/21/24 03:49		Kareem	OK
149	P5185-21DL	MYCZN8D	DUP	12/21/24 03:53		Kareem	OK
150	P5185-20LDL	MYCZN8L	SD	12/21/24 03:57		Kareem	OK
151	P5185-22DL	MYCZN8S	MS	12/21/24 04:01		Kareem	OK
152	PB165654BL	PBS654	MB	12/21/24 04:04		Kareem	OK
153	PB165654BS	LCS654	LCS	12/21/24 04:08		Kareem	OK
154	PB165654BSD	LCSD654	LCSD	12/21/24 04:12		Kareem	OK
155	P5190-01DL	MYCZK9	SAM	12/21/24 04:16		Kareem	OK
156	P5190-02DL	MYCZL0	SAM	12/21/24 04:20		Kareem	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134057

Review By	Mohan Bera	Review On	12/23/2024 12:36:57 AM
Supervise By	Sarabjit Jaswal	Supervise On	12/23/2024 12:39:29 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

157	P5190-03DL	MYCZL1	SAM	12/21/24 04:24		Kareem	OK
158	P5190-04DL	MYCZL2	SAM	12/21/24 04:28		Kareem	OK
159	P5190-05DL	MYCZL3	SAM	12/21/24 04:32		Kareem	OK
160	P5190-06DL	MYCZL4	SAM	12/21/24 04:36		Kareem	OK
161	P5190-07DL	MYCZL5	SAM	12/21/24 04:39		Kareem	OK
162	P5190-08DL	MYCZL6	SAM	12/21/24 04:43		Kareem	OK
163	P5190-09DL	MYCZL7	SAM	12/21/24 04:47		Kareem	OK
164	P5190-10DL	MYCZL8	SAM	12/21/24 04:51		Kareem	OK
165	P5190-11DL	MYCZL9	SAM	12/21/24 04:55		Kareem	OK
166	CCV088	CCV088	CCV	12/21/24 04:59		Kareem	OK
167	CCB088	CCB088	CCB	12/21/24 05:02		Kareem	OK
168	P5190-12DL	MYCZM0	SAM	12/21/24 05:06		Kareem	OK
169	P5190-13DL	MYCZM1	SAM	12/21/24 05:10		Kareem	OK
170	P5190-14DL	MYCZM2	SAM	12/21/24 05:14		Kareem	OK
171	P5190-15DL	MYCZM3	SAM	12/21/24 05:18		Kareem	OK
172	P5190-16DL	MYCZM4	SAM	12/21/24 05:22		Kareem	OK
173	P5190-17DL	MYCZM5	SAM	12/21/24 05:25		Kareem	OK
174	P5190-18DL	MYCZM6	SAM	12/21/24 05:29		Kareem	OK
175	P5190-19DL	MYCZM7	SAM	12/21/24 05:33		Kareem	OK
176	P5190-20DL	MYCZM8	SAM	12/21/24 05:37		Kareem	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134057

Review By	Mohan Bera	Review On	12/23/2024 12:36:57 AM
Supervise By	Sarabjit Jaswal	Supervise On	12/23/2024 12:39:29 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

177	P5190-21DL	MYCZM8D	DUP	12/21/24 05:41		Kareem	OK
178	P5190-20LDL	MYCZM8L	SD	12/21/24 05:45		Kareem	OK
179	P5190-22DL	MYCZM8S	MS	12/21/24 05:49		Kareem	OK
180	PB165691BL	PBS691	MB	12/21/24 05:53		Kareem	OK
181	PB165691BS	LCS691	LCS	12/21/24 05:57		Kareem	OK
182	PB165691BSD	LCSD691	LCSD	12/21/24 06:01		Kareem	OK
183	P4941-06DL	MBHJ43	SAM	12/21/24 06:05	2X for Ca	Kareem	Confirms
184	P4941-07DL	MBHJ44	SAM	12/21/24 06:08	2X for Ca	Kareem	Confirms
185	P4941-10DL	MBHJ47	SAM	12/21/24 06:12	2X for Ca	Kareem	Confirms
186	P4941-22DL	MBHJF8	SAM	12/21/24 06:16	2X for Ca	Kareem	Confirms
187	P4978-01DL	MBHJ49	SAM	12/21/24 06:20	2X for Ca	Kareem	Confirms
188	CCV089	CCV089	CCV	12/21/24 06:24		Kareem	OK
189	CCB089	CCB089	CCB	12/21/24 06:27		Kareem	OK
190	P4978-02DL	MBHJ49D	DUP	12/21/24 06:31	2X for Ca	Kareem	Confirms
191	P4978-01LDL	MBHJ49L	SD	12/21/24 06:35	10X for Ca	Kareem	Confirms
192	P4978-03DL	MBHJ49S	MS	12/21/24 06:39	Not required	Kareem	Not Ok
193	P4978-04DL	MBHJ50	SAM	12/21/24 06:43	2X for Ca	Kareem	Confirms
194	P4978-05DL	MBHJ51	SAM	12/21/24 06:47	2X for Ca,Mg still Ca high	Kareem	Dilution
195	P4978-06DL	MBHJ52	SAM	12/21/24 06:51	2X for Ca,Mg still Ca high	Kareem	Dilution
196	P4978-07DL	MBHJ53	SAM	12/21/24 06:55	2X for Ca,Mg still Ca high	Kareem	Dilution

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134057

Review By	Mohan Bera	Review On	12/23/2024 12:36:57 AM
Supervise By	Sarabjit Jaswal	Supervise On	12/23/2024 12:39:29 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

197	P4978-08DL	MBHJ54	SAM	12/21/24 06:58	2X for Ca	Kareem	Confirms
198	P4978-09DL	MBHJ55	SAM	12/21/24 07:02	2X for Ca	Kareem	Confirms
199	P4979-03DL	MBHJ68	SAM	12/21/24 07:06	2X for Mn	Kareem	Confirms
200	P4979-04DL	MBHJ68D	DUP	12/21/24 07:10	2X for Mn	Kareem	Confirms
201	P4979-03LDL	MBHJ68L	SD	12/21/24 07:14	10X for Mn	Kareem	Confirms
202	P4979-05DL	MBHJ68S	MS	12/21/24 07:18	2X for Mn	Kareem	Confirms
203	P4979-06DL	MBHJ69	SAM	12/21/24 07:22	2X for Ca	Kareem	Confirms
204	P4979-14DL	MBHJA2	SAM	12/21/24 07:26	Not Use	Kareem	Not Ok
205	P4979-15DL	MBHJA3	SAM	12/21/24 07:29	2X for Ca	Kareem	Confirms
206	P4979-16DL	MBHJA4	SAM	12/21/24 07:33	Not Use	Kareem	Not Ok
207	P4979-17DL	MBHJB7	SAM	12/21/24 07:37	2X for Ca	Kareem	Confirms
208	P4980-01DL	MBHJ70	SAM	12/21/24 07:41	2X for Ca	Kareem	Confirms
209	P4980-02DL	MBHJ71	SAM	12/21/24 07:45	2X for Ca,Mg	Kareem	Confirms
210	CCV090	CCV090	CCV	12/21/24 07:49		Kareem	OK
211	CCB090	CCB090	CCB	12/21/24 07:52		Kareem	OK
212	P4980-03DL	MBHJ72	SAM	12/21/24 07:56	2X for Ca,Mg still Ca high	Kareem	Dilution
213	P4980-05DL	MBHJ74	SAM	12/21/24 08:00	2X for Ca	Kareem	Confirms
214	P4980-10DL	MBHJ86	SAM	12/21/24 08:04	2X for Ca,Mg still Ca high	Kareem	Dilution
215	P4980-11DL	MBHJ87	SAM	12/21/24 08:08	2X for Ca	Kareem	Confirms
216	P4980-15DL	MBHJ89	SAM	12/21/24 08:12	2X for Ca	Kareem	Confirms

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Daily Analysis Runlog For Sequence/QCBatch ID # LB134057

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Supervise By	Sarabjit Jaswal	Supervise On	12/23/2024 12:39:29 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

217	P4980-16DL	MBHJ90	SAM	12/21/24 08:16	Not Use	Kareem	Not Ok
218	P4980-17DL	MBHJB0	SAM	12/21/24 08:19	2X for Ca,Mg still Ca high	Kareem	Dilution
219	P4980-18DL	MBHJB1	SAM	12/21/24 08:23	2X for Ca	Kareem	Confirms
220	P4980-20DL	MBHJB3	SAM	12/21/24 08:27	2X for Ca	Kareem	Confirms
221	P4982-02DL	MBHJ34	SAM	12/21/24 08:31	2X for Ca	Kareem	Confirms
222	P4982-03DL	MBHJ35	SAM	12/21/24 08:35	2X for Ca	Kareem	Confirms
223	P4982-04DL	MBHJ36	SAM	12/21/24 08:39	2X for Ca	Kareem	Confirms
224	P4982-05DL	MBHJ37	SAM	12/21/24 08:42	Not Use	Kareem	Not Ok
225	P4982-06DL	MBHJ38	SAM	12/21/24 08:46	2X for Ca	Kareem	Confirms
226	P4982-08DL	MBHJ40	SAM	12/21/24 08:50	2X for Ca	Kareem	Confirms
227	P4982-15DL	MBHJE9	SAM	12/21/24 08:54	Not Use	Kareem	Not Ok
228	P4982-16DL	MBHJF0	SAM	12/21/24 08:58	Not Use	Kareem	Not Ok
229	P4983-20DL	MBHJH0	SAM	12/21/24 09:02	Not USe	Kareem	Not Ok
230	P4984-06DL	MBHJT1	SAM	12/21/24 09:06	2X for Ca	Kareem	Confirms
231	P4984-07DL	MBHJT4	SAM	12/21/24 09:10	2X for Ca	Kareem	Confirms
232	CCV091	CCV091	CCV	12/21/24 09:14		Kareem	OK
233	CCB091	CCB091	CCB	12/21/24 09:17		Kareem	OK
234	P4984-08DL	MBHJT5	SAM	12/21/24 09:21	2X for Ca,Mg still Ca high	Kareem	Dilution
235	P5008-01DL	MBHJJ0	SAM	12/21/24 09:25	2X for Ca,Mg	Kareem	Confirms
236	P5008-02DL	MBHJJ1	SAM	12/21/24 09:29	2X for Ca,Mg still Ca high	Kareem	Dilution

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134057

Review By	Mohan Bera	Review On	12/23/2024 12:36:57 AM
Supervise By	Sarabjit Jaswal	Supervise On	12/23/2024 12:39:29 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

237	P5008-03DL	MBHJJ3	SAM	12/21/24 09:33	2X for Ca,Mg still Ca high	Kareem	Dilution
238	P5008-04DL	MBHJJ4	SAM	12/21/24 09:37	2X for Ca,Mg still Ca high	Kareem	Dilution
239	P5008-05DL	MBHJJ5	SAM	12/21/24 09:41	2X for Ca,Mg still Ca high	Kareem	Dilution
240	P5008-06DL	MBHJJ6	SAM	12/21/24 09:45	2X for Ca,Mg still Ca high	Kareem	Dilution
241	P5008-07DL	MBHJJ7	SAM	12/21/24 09:49	2X for Ca	Kareem	Confirms
242	P5008-13DL	MBHJM4	SAM	12/21/24 09:53	2X for Ca	Kareem	Confirms
243	P5008-14DL	MBHJM5	SAM	12/21/24 09:57	2X for Ca	Kareem	Confirms
244	P5010-07DL	MBHJH9	SAM	12/21/24 10:01	2X for Ca	Kareem	Confirms
245	P5012-08DL	MBHJK0	SAM	12/21/24 10:04	2X for Ca	Kareem	Confirms
246	P5012-09DL	MBHJK1	SAM	12/21/24 10:08	2X for Ca	Kareem	Confirms
247	P5183-01DL	MYCZB9	SAM	12/21/24 10:12		Kareem	OK
248	P5183-02DL	MYCZC0	SAM	12/21/24 10:16		Kareem	OK
249	P5183-03DL	MYCZC1	SAM	12/21/24 10:20		Kareem	OK
250	P5183-04DL	MYCZC2	SAM	12/21/24 10:23		Kareem	OK
251	P5183-05DL	MYCZC3	SAM	12/21/24 10:27		Kareem	OK
252	P5183-06DL	MYCZC4	SAM	12/21/24 10:31		Kareem	OK
253	P5183-07DL	MYCZC5	SAM	12/21/24 10:35		Kareem	OK
254	CCV092	CCV092	CCV	12/21/24 10:39		Kareem	OK
255	CCB092	CCB092	CCB	12/21/24 10:43		Kareem	OK
256	P5183-08DL	MYCZC6	SAM	12/21/24 10:47		Kareem	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134057

Review By	Mohan Bera	Review On	12/23/2024 12:36:57 AM
Supervise By	Sarabjit Jaswal	Supervise On	12/23/2024 12:39:29 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

257	P5183-09DL	MYCZC7	SAM	12/21/24 10:51		Kareem	OK
258	P5183-10DL	MYCZC8	SAM	12/21/24 10:55		Kareem	OK
259	P5183-11DL	MYCZC9	SAM	12/21/24 10:59		Kareem	OK
260	P5183-12DL	MYCZD0	SAM	12/21/24 11:03		Kareem	OK
261	P5183-13DL	MYCZD1	SAM	12/21/24 11:07		Kareem	OK
262	P5183-14DL	MYCZD2	SAM	12/21/24 11:11		Kareem	OK
263	P5183-15DL	MYCZD3	SAM	12/21/24 11:15		Kareem	OK
264	P5183-16DL	MYCZD4	SAM	12/21/24 11:18		Kareem	OK
265	P5183-17DL	MYCZD5	SAM	12/21/24 11:23		Kareem	OK
266	P5183-18DL	MYCZD6	SAM	12/21/24 11:26		Kareem	OK
267	P5183-19DL	MYCZD7	SAM	12/21/24 11:30		Kareem	OK
268	P5183-20DL	MYCZD8	SAM	12/21/24 11:34		Kareem	OK
269	P5183-21DL	MYCZD8D	DUP	12/21/24 11:38		Kareem	OK
270	P5183-20LDL	MYCZD8L	SD	12/21/24 11:42		Kareem	OK
271	P5183-22DL	MYCZD8S	MS	12/21/24 11:45	MS fail for Cr(788 ppb),Cu(1907 ppb),Tl(Below RL)	Kareem	OK
272	PB165636BL	PBS636	MB	12/21/24 11:49		Kareem	OK
273	PB165636BS	LCS636	LCS	12/21/24 11:54		Kareem	OK
274	PB165636BSD	LCSD636	LCSD	12/21/24 11:57		Kareem	OK
275	P5180-01DL	MYCYW9	SAM	12/21/24 12:01	Mn high	Kareem	Dilution

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134057

Review By	Mohan Bera	Review On	12/23/2024 12:36:57 AM
Supervise By	Sarabjit Jaswal	Supervise On	12/23/2024 12:39:29 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

276	CCV093	CCV093	CCV	12/21/24 12:05		Kareem	OK
277	CCB093	CCB093	CCB	12/21/24 12:09		Kareem	OK
278	P5180-02DL	MYCYX0	SAM	12/21/24 12:13		Kareem	OK
279	P5180-03DL	MYCYX1	SAM	12/21/24 12:17	Mn high	Kareem	Dilution
280	P5180-04DL	MYCYX2	SAM	12/21/24 12:20	Mn high	Kareem	Dilution
281	P5180-05DL	MYCYX3	SAM	12/21/24 12:24	Mn high	Kareem	Dilution
282	P5180-06DL	MYCYX4	SAM	12/21/24 12:28	Mn high	Kareem	Dilution
283	P5180-07DL	MYCYX5	SAM	12/21/24 12:32	Mn high	Kareem	Dilution
284	P5180-08DL	MYCYX6	SAM	12/21/24 12:36	Mn high	Kareem	Dilution
285	P5180-09DL	MYCYX7	SAM	12/21/24 12:40	Mn high	Kareem	Dilution
286	P5180-10DL	MYCYX8	SAM	12/21/24 12:44	Mn high	Kareem	Dilution
287	P5180-11DL	MYCZA9	SAM	12/21/24 12:47		Kareem	OK
288	P5180-12DL	MYCZB0	SAM	12/21/24 12:51		Kareem	OK
289	P5180-13DL	MYCZB1	SAM	12/21/24 12:55		Kareem	OK
290	P5180-14DL	MYCZB2	SAM	12/21/24 12:59		Kareem	OK
291	P5180-15DL	MYCZB3	SAM	12/21/24 13:03		Kareem	OK
292	P5180-16DL	MYCZB4	SAM	12/21/24 13:06		Kareem	OK
293	P5180-17DL	MYCZB5	SAM	12/21/24 13:10		Kareem	OK
294	P5180-18DL	MYCZB6	SAM	12/21/24 13:14		Kareem	OK
295	P5180-19DL	MYCZB7	SAM	12/21/24 13:18		Kareem	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134057

Review By	Mohan Bera	Review On	12/23/2024 12:36:57 AM
Supervise By	Sarabjit Jaswal	Supervise On	12/23/2024 12:39:29 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

296	P5180-20DL	MYCZB8	SAM	12/21/24 13:22		Kareem	OK
297	P5180-21DL	MYCZB8D	DUP	12/21/24 13:26		Kareem	OK
298	CCV094	CCV094	CCV	12/21/24 13:29		Kareem	OK
299	CCB094	CCB094	CCB	12/21/24 13:33		Kareem	OK
300	P5180-22DL	MYCZB8S	MS	12/21/24 13:41		Kareem	OK
301	PB165602BL	PBS602	MB	12/21/24 13:45		Kareem	OK
302	PB165602BS	LCS602	LCS	12/21/24 13:49		Kareem	OK
303	PB165602BSD	LCSD602	LCSD	12/21/24 13:53		Kareem	OK
304	PB165577BL	PBS577	MB	12/21/24 14:02		Kareem	OK
305	PB165577BSD	LCSD577	LCSD	12/21/24 14:10		Kareem	OK
306	P5178-14DL	MYCZ82	SAM	12/21/24 14:14		Kareem	OK
307	P5154-03DL	ME28P1	SAM	12/21/24 14:19	2X for Ca	Kareem	Confirms
308	P5154-06DL	ME28P4	SAM	12/21/24 14:22	2X for Ca	Kareem	Confirms
309	P5154-09DL	ME28P7	SAM	12/21/24 14:26	2X for Ca,Mg still Ca high	Kareem	Dilution
310	P5154-11DL	ME28P9	SAM	12/21/24 14:30	2X For Fe	Kareem	Confirms
311	P5154-13DL	ME28Q1	SAM	12/21/24 14:34	2X For Fe	Kareem	Confirms
312	P5154-14DL	ME28Q2	SAM	12/21/24 14:38	2X For Fe	Kareem	Confirms
313	P5154-15DL	ME28Q3	SAM	12/21/24 14:42	2X For Fe	Kareem	Confirms
314	P5154-16DL	ME28Q4	SAM	12/21/24 14:45	2X For Fe	Kareem	Confirms
315	P5154-16LDL	ME28Q4L	SD	12/21/24 14:49	10X For Fe	Kareem	Confirms

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134057

Review By	Mohan Bera	Review On	12/23/2024 12:36:57 AM
Supervise By	Sarabjit Jaswal	Supervise On	12/23/2024 12:39:29 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

316	CCV095	CCV095	CCV	12/21/24 14:53		Kareem	OK
317	CCB095	CCB095	CCB	12/21/24 14:57		Kareem	OK
318	P5154-17DL	ME28Q4D	DUP	12/21/24 15:01	2X For Fe	Kareem	Confirms
319	P5154-18DL	ME28Q4S	MS	12/21/24 15:04	Not Required	Kareem	Not Ok
320	P5154-20DL	ME28R3	SAM	12/21/24 15:08	2X For Fe	Kareem	Confirms
321	P5154-21DL	ME28R4	SAM	12/21/24 15:12	2X For Fe	Kareem	Confirms
322	P5181-02DL	MYCYY0	SAM	12/21/24 15:16	5X for Mn	Kareem	Confirms
323	P5181-03DL	MYCYY1	SAM	12/21/24 15:20	5X for Mn	Kareem	Confirms
324	P5181-04DL	MYCYY2	SAM	12/21/24 15:24	5X for Mn	Kareem	Confirms
325	P5181-05DL	MYCYY3	SAM	12/21/24 15:27	5X for Mn	Kareem	Confirms
326	P5181-07DL	MYCYY5	SAM	12/21/24 15:31	5X for Mn	Kareem	Confirms
327	P5181-08DL	MYCYY6	SAM	12/21/24 15:35	5X for Mn	Kareem	Confirms
328	P5181-11DL	MYCYY9	SAM	12/21/24 15:39	5X for Mn	Kareem	Confirms
329	P5181-12DL	MYCYZ0	SAM	12/21/24 15:43	5X for Mn	Kareem	Confirms
330	P5181-13DL	MYCYZ1	SAM	12/21/24 15:47	5X for Mn	Kareem	Confirms
331	P5181-14DL	MYCYZ2	SAM	12/21/24 15:51	5X for Mn	Kareem	Confirms
332	P5186-09DL	MYCZP7	SAM	12/21/24 15:55	5X for Mn	Kareem	Confirms
333	P5008-20A	MBHJT0A	PS	12/21/24 15:59	PS For Cu,Se,Tl,Zn	Kareem	OK
334	P5058-03A	MBHL82A	PS	12/21/24 16:03	PS for Tl	Kareem	OK
335	P5059-14A	MBHLC4A	PS	12/21/24 16:06	PS for Tl,Zn	Kareem	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134057

Review By	Mohan Bera	Review On	12/23/2024 12:36:57 AM
Supervise By	Sarabjit Jaswal	Supervise On	12/23/2024 12:39:29 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

336	P5061-05A	MBHL52A	PS	12/21/24 16:10	PS for Se,Tl,Zn	Kareem	OK
337	P5154-16A	ME28Q4A	PS	12/21/24 16:14	PS for Tl	Kareem	OK
338	CCV096	CCV096	CCV	12/21/24 16:18		Kareem	OK
339	CCB096	CCB096	CCB	12/21/24 16:22		Kareem	OK
340	P5172-20ADL	MYCZ38A	PS	12/21/24 16:26	Not use - PS For -Cu-0.1ml mp83725 160 ,Zn-0.024 ml m5819	Kareem	Not Ok
341	P5177-20ADL	MYD021A	PS	12/21/24 16:29	PS FOr Pb-0.0026 ml m6025-10 ml final volume	Kareem	OK
342	P5180-20LDL	MYCZB8L	SD	12/21/24 16:33		Kareem	OK
343	PB165577BS	LCS577	LCS	12/21/24 16:37		Kareem	OK
344	CCV097	CCV097	CCV	12/21/24 16:41		Kareem	OK
345	CCB097	CCB097	CCB	12/21/24 16:45		Kareem	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Mohan Bera	Supervise On	12/25/2024 11:41:28 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	12/23/24 13:14		Kareem	OK
2	S1	S01	CAL2	12/23/24 13:18		Kareem	OK
3	S2	S02	CAL3	12/23/24 13:23		Kareem	OK
4	S3	S03	CAL4	12/23/24 13:26		Kareem	OK
5	S4	S04	CAL5	12/23/24 13:30		Kareem	OK
6	S5	S05	CAL6	12/23/24 13:34		Kareem	OK
7	S6	S06	CAL7	12/23/24 13:38		Kareem	OK
8	ICV001	ICV001	ICV	12/23/24 13:56	Inst. paused for calibration review	Kareem	OK
9	ICB001	ICB001	ICB	12/23/24 14:00		Kareem	OK
10	ICSA001	ICSA001	ICSA	12/23/24 14:04		Kareem	OK
11	ICSAB001	ICSAB001	ICSAB	12/23/24 14:08		Kareem	OK
12	CCV001	CCV001	CCV	12/23/24 14:12		Kareem	OK
13	CCB001	CCB001	CCB	12/23/24 14:16		Kareem	OK
14	P5033-04DL	MBHK96	SAM	12/23/24 14:28	2x for Ca	Kareem	Confirms
15	P5033-12DL	MBHKA2	SAM	12/23/24 14:32	2x for Ca	Kareem	Confirms
16	P5033-13DL	MBHKA3	SAM	12/23/24 14:36	2x for Ca	Kareem	Confirms
17	P5034-03DL	MBHKB6	SAM	12/23/24 14:40	2x for Mn	Kareem	Confirms
18	P5034-04DL	MBHKB6D	DUP	12/23/24 14:44	2x for Mn	Kareem	Confirms

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Mohan Bera	Supervise On	12/25/2024 11:41:28 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

19	P5034-03LDL	MBHKB6L	SD	12/23/24 14:48	10x for Mn	Kareem	Confirms
20	P5034-05DL	MBHKB6S	MS	12/23/24 14:52	2x for Mn	Kareem	Confirms
21	P5034-13DL	MBHKJ0	SAM	12/23/24 14:56	5x for Ca	Kareem	Confirms
22	P5233-03DL	ME28R7	SAM	12/23/24 15:00	2x for Ca	Kareem	Confirms
23	P5233-04DL	ME28R8	SAM	12/23/24 15:04	2x for Ca	Kareem	Confirms
24	P5233-06DL	ME28S0	SAM	12/23/24 15:08	2x for Ca	Kareem	Confirms
25	P5233-17DL	ME28T1	SAM	12/23/24 15:11	5x for Fe	Kareem	Confirms
26	P5233-19DL	ME28T3	SAM	12/23/24 15:15	2x for Fe	Kareem	Confirms
27	P5037-12DL	MBHK75	SAM	12/23/24 15:29	2x for Ca	Kareem	Confirms
28	P5037-20DL	MBHKG7	SAM	12/23/24 15:33	2x for Ca	Kareem	Confirms
29	P5028-01DL	MBHK34	SAM	12/23/24 15:37	2x for Ca	Kareem	Confirms
30	P5028-02DL	MBHK35	SAM	12/23/24 15:41	2x for Ca	Kareem	Confirms
31	P5009-21DL	MBHJZ3	SAM	12/23/24 15:45	2x for Ca	Kareem	Confirms
32	P4984-08DL	MBHJT5	SAM	12/23/24 15:49	5x for Ca	Kareem	Confirms
33	P4983-20DL	MBHJH0	SAM	12/23/24 15:53	5x for Ca	Kareem	Confirms
34	CCV002	CCV002	CCV	12/23/24 15:57		Kareem	OK
35	CCB002	CCB002	CCB	12/23/24 16:10	Inst. paused for review	Kareem	OK
36	P5039-07DL	MBHKJ7	SAM	12/23/24 16:14	2x for Ca	Kareem	Confirms
37	P5039-08DL	MBHKJ7D	DUP	12/23/24 16:18	2x for Ca	Kareem	Confirms
38	P5039-07LDL	MBHKJ7L	SD	12/23/24 16:21	10x for Ca	Kareem	Confirms

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Mohan Bera	Supervise On	12/25/2024 11:41:28 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

39	P5039-09DL	MBHKJ7S	MS	12/23/24 16:26	2x for Ca	Kareem	Confirms
40	P5039-16DL	MBHKL8	SAM	12/23/24 16:29	2x for Ca	Kareem	Confirms
41	P5180-01DL	MYCYW9	SAM	12/23/24 16:33	4x for Mn	Kareem	Confirms
42	P5180-03DL	MYCYX1	SAM	12/23/24 16:37	4x for Mn	Kareem	Confirms
43	P5180-04DL	MYCYX2	SAM	12/23/24 16:41	5x for Mn	Kareem	Confirms
44	P5180-05DL	MYCYX3	SAM	12/23/24 16:45	8x for Mn	Kareem	Confirms
45	P5180-06DL	MYCYX4	SAM	12/23/24 16:49	8x for Mn	Kareem	Confirms
46	P5180-07DL	MYCYX5	SAM	12/23/24 16:53	8x for Mn	Kareem	Confirms
47	P5180-08DL	MYCYX6	SAM	12/23/24 16:57	8x for Mn	Kareem	Confirms
48	P5180-09DL	MYCYX7	SAM	12/23/24 17:01	8x for Mn	Kareem	Confirms
49	P5180-10DL	MYCYX8	SAM	12/23/24 17:05	10x for Mn	Kareem	Confirms
50	P5181-10DL	MYCYY8	SAM	12/23/24 17:09	4x for Mn	Kareem	Confirms
51	P5184-20DL	MYCZF8	SAM	12/23/24 17:13		Kareem	OK
52	P5184-21DL	MYCZF8D	DUP	12/23/24 17:17		Kareem	OK
53	P5184-20LDL	MYCZF8L	SD	12/23/24 17:21		Kareem	OK
54	P5184-22DL	MYCZF8S	MS	12/23/24 17:25	MS fail for Cr (862.76 ppb), Zn (1114.67 ppb), Ag(Below RL)	Kareem	OK
55	P5154-09DL	ME28P7	SAM	12/23/24 17:29	5x for Ca	Kareem	Confirms
56	CCV003	CCV003	CCV	12/23/24 17:33		Kareem	OK
57	CCB003	CCB003	CCB	12/23/24 17:37		Kareem	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Mohan Bera	Supervise On	12/25/2024 11:41:28 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

58	P4978-05DL	MBHJ51	SAM	12/23/24 17:41	5x for Ca	Kareem	Confirms
59	P4978-06DL	MBHJ52	SAM	12/23/24 17:45	5x for Ca	Kareem	Confirms
60	P4978-07DL	MBHJ53	SAM	12/23/24 17:49	5x for Ca	Kareem	Confirms
61	P4979-14DL	MBHJA2	SAM	12/23/24 17:53	2x for Ca	Kareem	Confirms
62	P4979-16DL	MBHJA4	SAM	12/23/24 17:57	5x for Ca	Kareem	Confirms
63	P4980-03DL	MBHJ72	SAM	12/23/24 18:01	5x for Ca	Kareem	Confirms
64	P4980-10DL	MBHJ86	SAM	12/23/24 18:05	5x for Ca	Kareem	Confirms
65	P4980-16DL	MBHJ90	SAM	12/23/24 18:09	5x for Ca	Kareem	Confirms
66	P4980-17DL	MBHJB0	SAM	12/23/24 18:13	5x for Ca	Kareem	Confirms
67	P4982-05DL	MBHJ37	SAM	12/23/24 18:17	5x for Ca	Kareem	Confirms
68	P4982-15DL	MBHJE9	SAM	12/23/24 18:21	5x for Ca	Kareem	Confirms
69	P4982-16DL	MBHJF0	SAM	12/23/24 18:24	5x for Ca	Kareem	Confirms
70	P5008-02DL	MBHJJ1	SAM	12/23/24 18:28	5x for Ca	Kareem	Confirms
71	P5008-03DL	MBHJJ3	SAM	12/23/24 18:32	5x for Ca	Kareem	Confirms
72	P5008-04DL	MBHJJ4	SAM	12/23/24 18:36	5x for Ca	Kareem	Confirms
73	P5008-05DL	MBHJJ5	SAM	12/23/24 18:40	5x for Ca	Kareem	Confirms
74	P5008-06DL	MBHJJ6	SAM	12/23/24 18:44	5x for Ca	Kareem	Confirms
75	P5183-20ADL	MYCZD8A	PS	12/23/24 18:48	PS For Cr(0.016ml m5658),Cu(-0.038ml m5697),Tl(0.05ml mp83745) - 10ml Sample	Kareem	OK

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Supervise By	Mohan Bera	Supervise On	12/25/2024 11:41:28 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

76	P5009-04A	MBHJQ3A	PS	12/23/24 18:52	PS for Cu(0.0032ml m5697),Se(0.013ml mp83726),Tl(0.05ml mp83745), Zn(0.014ml m5919)- 10ml Sample	Kareem	OK
77	P5028-07A	MBHK40A	PS	12/23/24 18:56	PS for Se(0.07ml mp83723)- 10ml Sample	Kareem	OK
78	CCV004	CCV004	CCV	12/23/24 19:00		Kareem	OK
79	CCB004	CCB004	CCB	12/23/24 19:03		Kareem	OK
80	P5033-05A	MBHK97A	PS	12/23/24 19:07	PS for Se(0.07ml mp83723),Zn(0.037ml m5819) - 10ml Sample	Kareem	OK
81	P5034-03A	MBHKB6A	PS	12/23/24 19:11	PS For Cu(0.0053ml m5697),Se(0.07ml mp83723),Zn(0.013ml m5919) - 10ml Sample	Kareem	OK
82	P5037-06A	MBHKC0A	PS	12/23/24 19:15	PS for Se(0.07ml mp83723)- 10ml Sample	Kareem	OK
83	P5039-07A	MBHKJ7A	PS	12/23/24 19:19	PS for Se(0.07ml mp83723)- 10ml Sample	Kareem	OK
84	P5042-01A	MBHKB0A	PS	12/23/24 19:23	PS for Se(0.07ml mp83723)- 10ml Sample	Kareem	OK
85	P5090-01	MBHM14	SAM	12/23/24 19:27		Kareem	OK
86	P5090-02	MBHM15	SAM	12/23/24 19:31		Kareem	OK
87	P5090-03	MBHM16	SAM	12/23/24 19:34		Kareem	OK
88	P5090-04	MBHM17	SAM	12/23/24 19:38		Kareem	OK
89	P5090-05	MBHM18	SAM	12/23/24 19:42		Kareem	OK
90	P5090-06	MBHM19	SAM	12/23/24 19:46		Kareem	OK

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CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

91	P5090-07	MBHM20	SAM	12/23/24 19:50		Kareem	OK
92	P5090-08	MBHM21	SAM	12/23/24 19:54		Kareem	OK
93	P5090-09	MBHM22	SAM	12/23/24 19:58		Kareem	OK
94	P5090-10	MBHM23	SAM	12/23/24 20:01		Kareem	OK
95	P5090-11	MBHM24	SAM	12/23/24 20:05		Kareem	OK
96	P5090-12	MBHM25	SAM	12/23/24 20:09		Kareem	OK
97	P5090-13	MBHM25D	DUP	12/23/24 20:13		Kareem	OK
98	P5090-12L	MBHM25L	SD	12/23/24 20:17		Kareem	OK
99	P5090-14	MBHM25S	MS	12/23/24 20:21	MS fail for As (243.86 ppb) , Ba (1459.46 ppb), Cu (427.24 ppb), Se (177 ppb), Zn (1503.85 ppb) & Tl (Below RL)	Kareem	OK
100	CCV005	CCV005	CCV	12/23/24 20:28		Kareem	OK
101	CCB005	CCB005	CCB	12/23/24 20:32		Kareem	OK
102	P5090-15	MBHM26	SAM	12/23/24 20:36		Kareem	OK
103	P5090-16	MBHM27	SAM	12/23/24 20:40		Kareem	OK
104	P5090-17	MBHM28	SAM	12/23/24 20:44		Kareem	OK
105	P5090-18	MBHM36	SAM	12/23/24 20:48		Kareem	OK
106	P5090-19	MBHM37	SAM	12/23/24 20:51		Kareem	OK
107	PB165739BL	PBS739	MB	12/23/24 20:55		Kareem	OK
108	PB165739BS	LCS739	LCS	12/23/24 20:59		Kareem	OK

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CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

109	P5063-01	MBHL28	SAM	12/23/24 21:03		Kareem	OK
110	P5063-02	MBHL29	SAM	12/23/24 21:07		Kareem	OK
111	P5063-03	MBHL30	SAM	12/23/24 21:11		Kareem	OK
112	P5063-04	MBHL31	SAM	12/23/24 21:15		Kareem	OK
113	P5063-05	MBHL32	SAM	12/23/24 21:19		Kareem	OK
114	P5063-06	MBHL33	SAM	12/23/24 21:23		Kareem	OK
115	P5063-07	MBHL34	SAM	12/23/24 21:26		Kareem	OK
116	P5063-08	MBHL34D	DUP	12/23/24 21:30		Kareem	OK
117	P5063-07L	MBHL34L	SD	12/23/24 21:34		Kareem	OK
118	P5063-09	MBHL34S	MS	12/23/24 21:38	MS fail for Cu (179.98 ppb), Zn (381.63 ppb) & Sb,Se,Ag (Below RL)	Kareem	OK
119	P5063-10	MBHL77	SAM	12/23/24 21:42		Kareem	OK
120	P5063-11	MBHL78	SAM	12/23/24 21:46		Kareem	OK
121	P5063-12	MBHL79	SAM	12/23/24 21:49		Kareem	OK
122	CCV006	CCV006	CCV	12/23/24 21:53		Kareem	OK
123	CCB006	CCB006	CCB	12/23/24 21:57		Kareem	OK
124	P5071-01	MBHKX5	SAM	12/23/24 22:01		Kareem	OK
125	P5071-02	MBHKX5D	DUP	12/23/24 22:05		Kareem	OK
126	P5071-01L	MBHKX5L	SD	12/23/24 22:09		Kareem	OK

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STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

127	P5071-03	MBHKX5S	MS	12/23/24 22:13	MS fail for Cu (86.93 ppb), Se (40.18 ppb), Zn (565.58 ppb) & Sb,Ag,Tl (Below RL)	Kareem	OK
128	PB165507BL	PBS507	MB	12/23/24 22:16		Kareem	OK
129	PB165507BS	LCS507	LCS	12/23/24 22:20		Kareem	OK
130	P5084-01	MBHLR0	SAM	12/23/24 22:24		Kareem	OK
131	P5084-02	MBHLW6	SAM	12/23/24 22:28		Kareem	OK
132	P5084-03	MBHLW7	SAM	12/23/24 22:32		Kareem	OK
133	P5084-04	MBHLW8	SAM	12/23/24 22:36		Kareem	OK
134	P5084-05	MBHLW9	SAM	12/23/24 22:40	Ca high	Kareem	Dilution
135	P5084-06	MBHLX0	SAM	12/23/24 22:43	Ca high	Kareem	Dilution
136	P5084-07	MBHLX1	SAM	12/23/24 22:47	Ca high	Kareem	Dilution
137	P5084-08	MBHLX2	SAM	12/23/24 22:51	Ca high	Kareem	Dilution
138	P5084-09	MBHLX3	SAM	12/23/24 22:55		Kareem	OK
139	P5084-10	MBHLX4	SAM	12/23/24 22:59		Kareem	OK
140	P5084-11	MBHLX5	SAM	12/23/24 23:03		Kareem	OK
141	P5084-12	MBHLX6	SAM	12/23/24 23:06		Kareem	OK
142	P5084-13	MBHLX7	SAM	12/23/24 23:10		Kareem	OK
143	P5084-14	MBHLX7D	DUP	12/23/24 23:14		Kareem	OK
144	CCV007	CCV007	CCV	12/23/24 23:18		Kareem	OK
145	CCB007	CCB007	CCB	12/23/24 23:22		Kareem	OK

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Supervise By	Mohan Bera	Supervise On	12/25/2024 11:41:28 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

146	P5084-13L	MBHLX7L	SD	12/23/24 23:26		Kareem	OK
147	P5084-15	MBHLX7S	MS	12/23/24 23:30	MS fail for Se (70.78 ppb) & Sb,Ag,Tl (Below RL)	Kareem	OK
148	P5084-16	MBHLX8	SAM	12/23/24 23:33		Kareem	OK
149	P5084-17	MBHLX9	SAM	12/23/24 23:37		Kareem	OK
150	P5084-18	MBHM32	SAM	12/23/24 23:41	Ca high	Kareem	Dilution
151	P5084-19	MBHM33	SAM	12/23/24 23:45		Kareem	OK
152	PB165713BL	PBS713	MB	12/23/24 23:49		Kareem	OK
153	PB165713BS	LCS713	LCS	12/23/24 23:53		Kareem	OK
154	P5091-01	MBHLR4	SAM	12/23/24 23:57	Ca high	Kareem	Dilution
155	P5091-02	MBHLR5	SAM	12/24/24	Ca high	Kareem	Dilution
156	P5091-03	MBHLR6	SAM	12/24/24 00:04	Ca high	Kareem	Dilution
157	P5091-04	MBHLR7	SAM	12/24/24 00:08		Kareem	OK
158	P5091-05	MBHLR8	SAM	12/24/24 00:12		Kareem	OK
159	P5091-06	MBHLR9	SAM	12/24/24 00:16		Kareem	OK
160	P5091-07	MBHLS0	SAM	12/24/24 00:20		Kareem	OK
161	P5091-08	MBHLS0D	DUP	12/24/24 00:23		Kareem	OK
162	P5091-07L	MBHLS0L	SD	12/24/24 00:27		Kareem	OK
163	P5091-09	MBHLS0S	MS	12/24/24 00:31	MS fail for Se (100.55 ppb) & Ag,Tl (Below RL)	Kareem	OK
164	P5091-10	MBHLS1	SAM	12/24/24 00:35		Kareem	OK

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STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

165	P5091-11	MBHLS2	SAM	12/24/24 00:39	Ca high	Kareem	Dilution
166	CCV008	CCV008	CCV	12/24/24 00:42		Kareem	OK
167	CCB008	CCB008	CCB	12/24/24 00:46		Kareem	OK
168	P5091-12	MBHLS3	SAM	12/24/24 00:50	Ca high	Kareem	Dilution
169	P5091-13	MBHLS4	SAM	12/24/24 00:54	Ca high	Kareem	Dilution
170	P5091-14	MBHLS5	SAM	12/24/24 00:58		Kareem	OK
171	P5091-15	MBHLS6	SAM	12/24/24 01:02		Kareem	OK
172	P5091-16	MBHLS7	SAM	12/24/24 01:06		Kareem	OK
173	P5091-17	MBHLS8	SAM	12/24/24 01:10		Kareem	OK
174	P5091-18	MBHLS9	SAM	12/24/24 01:13	Ca high	Kareem	Dilution
175	P5091-19	MBHLT0	SAM	12/24/24 01:17	Ca high	Kareem	Dilution
176	P5091-20	MBHLT1	SAM	12/24/24 01:21	Ca high	Kareem	Dilution
177	P5091-21	MBHLT2	SAM	12/24/24 01:25		Kareem	OK
178	P5091-22	MBHLT3	SAM	12/24/24 01:29		Kareem	OK
179	PB165740BL	PBS740	MB	12/24/24 01:33		Kareem	OK
180	PB165740BS	LCS740	LCS	12/24/24 01:37		Kareem	OK
181	P5015-02	MBHK13	SAM	12/24/24 01:41		Kareem	OK
182	P5033-21	MBHKQ4	SAM	12/24/24 01:45		Kareem	OK
183	P5059-20	MBHLD7	SAM	12/24/24 01:49		Kareem	OK
184	P5059-21	MBHLD8	SAM	12/24/24 01:53		Kareem	OK

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CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

185	P5092-20	MBHM40	SAM	12/24/24 01:57		Kareem	OK
186	P5132-21	MBHMN5	SAM	12/24/24 02:01		Kareem	OK
187	P5200-15	MBHNJ3	SAM	12/24/24 02:05		Kareem	OK
188	CCV009	CCV009	CCV	12/24/24 02:09		Kareem	OK
189	CCB009	CCB009	CCB	12/24/24 02:12		Kareem	OK
190	P5212-09	MBHNJ4	SAM	12/24/24 02:16		Kareem	OK
191	PB165669BL	PBW669	MB	12/24/24 02:20		Kareem	OK
192	PB165669BS	LCS669	LCS	12/24/24 02:24		Kareem	OK
193	P5086-01	MBHLM6	SAM	12/24/24 02:28		Kareem	OK
194	P5086-02	MBHLM7	SAM	12/24/24 02:32		Kareem	OK
195	P5086-03	MBHLM8	SAM	12/24/24 02:36		Kareem	OK
196	P5086-04	MBHLM9	SAM	12/24/24 02:40		Kareem	OK
197	P5086-05	MBHLN0	SAM	12/24/24 02:44		Kareem	OK
198	P5086-06	MBHLN1	SAM	12/24/24 02:48		Kareem	OK
199	P5086-07	MBHLN2	SAM	12/24/24 02:51		Kareem	OK
200	P5086-08	MBHLN2D	DUP	12/24/24 02:55		Kareem	OK
201	P5086-07L	MBHLN2L	SD	12/24/24 02:59		Kareem	OK
202	P5086-09	MBHLN2S	MS	12/24/24 03:03	MS fail for Be (8.0 ppb), Cu (169.15 ppb), Se (80.54 ppb), Zn (524.51 ppb) & Sb,Ag,Tl (Below RL)	Kareem	OK

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ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

203	P5086-10	MBHLN3	SAM	12/24/24 03:07		Kareem	OK
204	P5086-11	MBHLN4	SAM	12/24/24 03:11		Kareem	OK
205	P5086-12	MBHLN5	SAM	12/24/24 03:14		Kareem	OK
206	P5086-13	MBHLN6	SAM	12/24/24 03:18		Kareem	OK
207	P5086-14	MBHLN7	SAM	12/24/24 03:22	Ca high	Kareem	Dilution
208	P5086-15	MBHLN8	SAM	12/24/24 03:26	Ca high	Kareem	Dilution
209	P5086-16	MBHLN9	SAM	12/24/24 03:30	Ca high	Kareem	Dilution
210	CCV010	CCV010	CCV	12/24/24 03:34		Kareem	OK
211	CCB010	CCB010	CCB	12/24/24 03:37		Kareem	OK
212	P5086-17	MBHLP7	SAM	12/24/24 03:42		Kareem	OK
213	P5086-18	MBHLP8	SAM	12/24/24 03:45		Kareem	OK
214	P5086-19	MBHLP9	SAM	12/24/24 03:49		Kareem	OK
215	P5086-20	MBHLQ0	SAM	12/24/24 03:53		Kareem	OK
216	P5086-21	MBHLQ1	SAM	12/24/24 03:57		Kareem	OK
217	P5086-22	MBHLQ2	SAM	12/24/24 04:01		Kareem	OK
218	PB165725BL	PBS725	MB	12/24/24 04:04		Kareem	OK
219	PB165725BS	LCS725	LCS	12/24/24 04:08		Kareem	OK
220	P5089-01	MBHLZ4	SAM	12/24/24 04:12		Kareem	OK
221	P5089-02	MBHLZ4D	DUP	12/24/24 04:16		Kareem	OK
222	P5089-01L	MBHLZ4L	SD	12/24/24 04:20		Kareem	OK

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Supervise By	Mohan Bera	Supervise On	12/25/2024 11:41:28 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

223	P5089-03	MBHLZ4S	MS	12/24/24 04:24	MS fail for As (201.58 ppb), Cu (299.10 ppb),Se (72.64 ppb), Zn (952.81 ppb) & Sb,Ag,Tl (Below RL)	Kareem	OK
224	P5089-04	MBHLZ5	SAM	12/24/24 04:28		Kareem	OK
225	P5089-05	MBHLZ6	SAM	12/24/24 04:32		Kareem	OK
226	P5089-06	MBHLZ7	SAM	12/24/24 04:35		Kareem	OK
227	P5089-07	MBHLZ8	SAM	12/24/24 04:39		Kareem	OK
228	P5089-08	MBHLZ9	SAM	12/24/24 04:43		Kareem	OK
229	P5089-09	MBHM00	SAM	12/24/24 04:47		Kareem	OK
230	P5089-10	MBHM01	SAM	12/24/24 04:51		Kareem	OK
231	P5089-11	MBHM02	SAM	12/24/24 04:55		Kareem	OK
232	CCV011	CCV011	CCV	12/24/24 04:58		Kareem	OK
233	CCB011	CCB011	CCB	12/24/24 05:02		Kareem	OK
234	P5089-12	MBHM03	SAM	12/24/24 05:06		Kareem	OK
235	P5089-13	MBHM04	SAM	12/24/24 05:10		Kareem	OK
236	P5089-14	MBHM05	SAM	12/24/24 05:14		Kareem	OK
237	P5089-15	MBHM06	SAM	12/24/24 05:17		Kareem	OK
238	P5089-16	MBHM07	SAM	12/24/24 05:21		Kareem	OK
239	P5089-17	MBHM08	SAM	12/24/24 05:25		Kareem	OK
240	P5089-18	MBHM09	SAM	12/24/24 05:29		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Mohan Bera	Supervise On	12/25/2024 11:41:28 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

241	P5089-19	MBHM10	SAM	12/24/24 05:33		Kareem	OK
242	P5089-20	MBHM11	SAM	12/24/24 05:37		Kareem	OK
243	P5089-21	MBHM12	SAM	12/24/24 05:40		Kareem	OK
244	P5089-22	MBHM13	SAM	12/24/24 05:44		Kareem	OK
245	PB165727BL	PBS727	MB	12/24/24 05:48		Kareem	OK
246	PB165727BS	LCS727	LCS	12/24/24 05:52		Kareem	OK
247	P5169-01	MJNLH1	SAM	12/24/24 05:56		Kareem	OK
248	P5169-02	MJNLH2	SAM	12/24/24 06:00		Kareem	OK
249	P5169-03	MJNLH5	SAM	12/24/24 06:04		Kareem	OK
250	P5169-04	MJNLH4	SAM	12/24/24 06:08	NOT USE	Kareem	Not Ok
251	P5169-05	MJNLH4D	DUP	12/24/24 06:12	NOT USE	Kareem	Not Ok
252	P5169-04L	MJNLH4L	SD	12/24/24 06:15	NOT USE	Kareem	Not Ok
253	CCV012	CCV012	CCV	12/24/24 06:19		Kareem	OK
254	CCB012	CCB012	CCB	12/24/24 06:23		Kareem	OK
255	P5169-06	MJNLH4S	MS	12/24/24 06:27	NOT USE	Kareem	Not Ok
256	PB165673BL	PBW673	MB	12/24/24 06:35	NOT USE	Kareem	Not Ok
257	PB165673BS	LCS673	LCS	12/24/24 06:39	NOT USE	Kareem	Not Ok
258	P5081-01	MBHLG0	SAM	12/24/24 06:43		Kareem	OK
259	P5081-02	MBHLG1	SAM	12/24/24 06:47	Ca high	Kareem	Dilution
260	P5081-03	MBHLG2	SAM	12/24/24 06:51	Ca high	Kareem	Dilution

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Mohan Bera	Supervise On	12/25/2024 11:41:28 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

261	P5081-04	MBHLG3	SAM	12/24/24 06:54		Kareem	OK
262	P5081-05	MBHLG4	SAM	12/24/24 06:59		Kareem	OK
263	P5081-06	MBHLG4D	DUP	12/24/24 07:02		Kareem	OK
264	P5081-05L	MBHLG4L	SD	12/24/24 07:06		Kareem	OK
265	P5081-07	MBHLG4S	MS	12/24/24 07:10	MS fail for Be (7.17 ppb) , Cu (275.06 ppb), Se (59.69 ppb), V (178.80 ppb), Zn (1028.26) & Sb,Ag,Tl (Below RL)	Kareem	OK
266	P5081-08	MBHLG5	SAM	12/24/24 07:14		Kareem	OK
267	P5081-09	MBHLG6	SAM	12/24/24 07:18		Kareem	OK
268	P5081-10	MBHLJ1	SAM	12/24/24 07:22		Kareem	OK
269	P5081-11	MBHLJ2	SAM	12/24/24 07:25		Kareem	OK
270	P5081-12	MBHLJ3	SAM	12/24/24 07:29		Kareem	OK
271	P5081-13	MBHLJ4	SAM	12/24/24 07:33		Kareem	OK
272	P5081-14	MBHLJ5	SAM	12/24/24 07:37		Kareem	OK
273	P5081-15	MBHLJ6	SAM	12/24/24 07:41		Kareem	OK
274	CCV013	CCV013	CCV	12/24/24 07:45		Kareem	OK
275	CCB013	CCB013	CCB	12/24/24 07:48		Kareem	OK
276	P5081-16	MBHLJ7	SAM	12/24/24 07:52		Kareem	OK
277	P5081-17	MBHLK5	SAM	12/24/24 07:56		Kareem	OK
278	P5081-18	MBHLK6	SAM	12/24/24 08:00		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Mohan Bera	Supervise On	12/25/2024 11:41:28 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

279	P5081-19	MBHLK7	SAM	12/24/24 08:04		Kareem	OK
280	P5081-20	MBHLK8	SAM	12/24/24 08:08		Kareem	OK
281	P5081-21	MBHLK9	SAM	12/24/24 08:11		Kareem	OK
282	P5081-22	MBHLL0	SAM	12/24/24 08:15		Kareem	OK
283	PB165694BL	PBS694	MB	12/24/24 08:19		Kareem	OK
284	PB165694BS	LCS694	LCS	12/24/24 08:23		Kareem	OK
285	P5083-01	MBHLJ8	SAM	12/24/24 08:27		Kareem	OK
286	P5083-02	MBHLJ9	SAM	12/24/24 08:31		Kareem	OK
287	P5083-03	MBHLK0	SAM	12/24/24 08:35		Kareem	OK
288	P5083-04	MBHLK0D	DUP	12/24/24 08:39		Kareem	OK
289	P5083-03L	MBHLK0L	SD	12/24/24 08:42		Kareem	OK
290	P5083-05	MBHLK0S	MS	12/24/24 08:46	MS fail for Se (74.03 ppb), Zn (183 ppb) & Ag,Tl (Below RL)	Kareem	OK
291	P5083-06	MBHLK1	SAM	12/24/24 08:50		Kareem	OK
292	P5083-07	MBHLK2	SAM	12/24/24 08:54		Kareem	OK
293	P5083-08	MBHLK3	SAM	12/24/24 08:58		Kareem	OK
294	P5083-09	MBHLK4	SAM	12/24/24 09:02		Kareem	OK
295	CCV014	CCV014	CCV	12/24/24 09:05		Kareem	OK
296	CCB014	CCB014	CCB	12/24/24 09:09		Kareem	OK
297	P5083-10	MBHLL9	SAM	12/24/24 09:13		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Mohan Bera	Supervise On	12/25/2024 11:41:28 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

298	P5083-11	MBHLM0	SAM	12/24/24 09:17		Kareem	OK
299	P5083-12	MBHLM1	SAM	12/24/24 09:21		Kareem	OK
300	P5083-13	MBHLM2	SAM	12/24/24 09:25		Kareem	OK
301	P5083-14	MBHLM3	SAM	12/24/24 09:28	Ca high	Kareem	Dilution
302	P5083-15	MBHLM4	SAM	12/24/24 09:32	Ca high	Kareem	Dilution
303	P5083-16	MBHLM5	SAM	12/24/24 09:36	Ca high	Kareem	Dilution
304	P5083-17	MBHLQ4	SAM	12/24/24 09:40		Kareem	OK
305	P5083-18	MBHLQ5	SAM	12/24/24 09:44		Kareem	OK
306	P5083-19	MBHLQ6	SAM	12/24/24 09:48		Kareem	OK
307	P5083-20	MBHLQ7	SAM	12/24/24 09:52		Kareem	OK
308	P5083-21	MBHLQ8	SAM	12/24/24 09:55		Kareem	OK
309	P5083-22	MBHLQ9	SAM	12/24/24 09:59		Kareem	OK
310	PB165632BL	PBS632	MB	12/24/24 10:03	NOT USE	Kareem	Not Ok
311	PB165632BS	LCS632	LCS	12/24/24 10:07	NOT USE	Kareem	Not Ok
312	CCV015	CCV015	CCV	12/24/24 10:11		Kareem	OK
313	CCB015	CCB015	CCB	12/24/24 10:15		Kareem	OK

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BUFFALO, NY 14202
UNITED STATES US

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TO MOHAMMAD AHMED
ALLIANCE TECHNICAL GROUP LLC
284 SHEFFIELD STREET
MOUNTAINSIDE NJ 07092
(908) 789-8900
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1-3 c

1548

Alliance TECHNICAL GROUP 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Login Summary Report

Order ID :	P4982	Order Date :	11/23/2024 10:00:00 AM	Project Mgr :	Deepak
Client :	USEPA CLP SMO	Project :	51879	Report Type :	USEPA CLP
Contact :	Anita Kapadia	Receive Date :	11/23/2024 10:00:00 AM	EDD Type :	EPA CLP
Date Sign Off :	11/25/2024 12:05:20 PM				

Sample ID	Client ID	Matrix	Sampling Date	Test	Test Group	Method	TAT Days	Fax Due Date	HC Due Date
P4982-01	MBHD2	Solid	11/18/2024						
				Metals CLP Full		SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids		Chemtech -SOP	15	12/30/2024	12/30/2024
P4982-02	MBHJ34	Solid	11/18/2024						
				Metals CLP Full		SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids		Chemtech -SOP	15	12/30/2024	12/30/2024
P4982-03	MBHJ35	Solid	11/18/2024						
				Metals CLP Full		SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids		Chemtech -SOP	15	12/30/2024	12/30/2024
P4982-04	MBHJ36	Solid	11/18/2024						
				Metals CLP Full		SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids		Chemtech -SOP	15	12/30/2024	12/30/2024
P4982-05	MBHJ37	Solid	11/18/2024						
				Metals CLP Full		SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids		Chemtech -SOP	15	12/30/2024	12/30/2024
P4982-06	MBHJ38	Solid	11/18/2024						
				Metals CLP Full		SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids		Chemtech -SOP	15	12/30/2024	12/30/2024
P4982-07	MBHJ39	Solid	11/18/2024						
				Metals CLP Full		SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids		Chemtech -SOP	15	12/30/2024	12/30/2024
P4982-08	MBHJ40	Solid	11/18/2024						
				Metals CLP Full		SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids		Chemtech -SOP	15	12/30/2024	12/30/2024
P4982-09	MBHJD1	Solid	11/18/2024						
				Metals CLP Full		SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids		Chemtech -SOP	15	12/30/2024	12/30/2024
P4982-10	MBHJD3	Solid	11/18/2024						
				Metals CLP Full		SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids		Chemtech -SOP	15	12/30/2024	12/30/2024

P4982-11	MBHJD4	Solid	11/18/2024					
				Metals CLP Full	SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids	Chemtech -SOP	15	12/30/2024	12/30/2024
P4982-12	MBHJD5	Solid	11/18/2024					
				Metals CLP Full	SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids	Chemtech -SOP	15	12/30/2024	12/30/2024
P4982-13	MBHJD6	Solid	11/18/2024					
				Metals CLP Full	SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids	Chemtech -SOP	15	12/30/2024	12/30/2024
P4982-14	MBHJD7	Solid	11/18/2024					
				Metals CLP Full	SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids	Chemtech -SOP	15	12/30/2024	12/30/2024
P4982-15	MBHJE9	Solid	11/18/2024					
				Metals CLP Full	SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids	Chemtech -SOP	15	12/30/2024	12/30/2024
P4982-16	MBHJF0	Solid	11/18/2024					
				Metals CLP Full	SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids	Chemtech -SOP	15	12/30/2024	12/30/2024
P4982-17	MBHJF1	Solid	11/18/2024					
				Metals CLP Full	SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids	Chemtech -SOP	15	12/30/2024	12/30/2024
P4982-18	MBHJF2	Solid	11/18/2024					
				Metals CLP Full	SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids	Chemtech -SOP	15	12/30/2024	12/30/2024
P4982-19	MBHJF3	Solid	11/18/2024					
				Metals CLP Full	SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids	Chemtech -SOP	15	12/30/2024	12/30/2024
P4982-20	MBHJF4	Solid	11/18/2024					
				Metals CLP Full	SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids	Chemtech -SOP	15	12/30/2024	12/30/2024
P4982-21	MBHJF4D	Solid	11/18/2024					
				Metals CLP Full	SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids	Chemtech -SOP	15	12/30/2024	12/30/2024
P4982-22	MBHJF4S	Solid	11/18/2024					
				Metals CLP Full	SFAM_AES	15	12/30/2024	12/30/2024
				Percent Solids	Chemtech -SOP	15	12/30/2024	12/30/2024

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB165282 **WorkList ID :** 185802 **Department :** Digestion **Date :** 11-26-2024 15:10:44

1551

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4982-01	MBHD2	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES
P4982-02	MBHJ34	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES
P4982-03	MBHJ35	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES
P4982-04	MBHJ36	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES
P4982-05	MBHJ37	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES
P4982-06	MBHJ38	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES
P4982-07	MBHJ39	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES
P4982-08	MBHJ40	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES
P4982-09	MBHJD1	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES
P4982-10	MBHJD3	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES
P4982-11	MBHJD4	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES
P4982-12	MBHJD5	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES
P4982-13	MBHJD6	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES
P4982-14	MBHJD7	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES
P4982-15	MBHJE9	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES
P4982-16	MBHJF0	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES
P4982-17	MBHJF1	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES
P4982-18	MBHJF2	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES
P4982-19	MBHJF3	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES
P4982-20	MBHJF4	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES
P4982-21	MBHJF4D	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES

Date/Time 11/26/2024 15:25

Raw Sample Received by: JSP (Met dig)

Raw Sample Relinquished by: JM (SM)

Date/Time 11/26/24 16:25

Raw Sample Received by: JM (SM)

Raw Sample Relinquished by: JSP (Met dig)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB165282 **WorkList ID :** 185802 **Department :** Digestion **Date :** 11-26-2024 15:10:44

1552

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4982-22	MBHJF4S	Solid	Metals CLP Full	Cool 4 deg C	USEP01	C33	11/18/2024	SFAM_AES

Date/Time 11/26/24 15:25

Raw Sample Received by: JSP (Met Lab)

Raw Sample Relinquished by: JM (SM)

Date/Time 11/26/24 16:28

Raw Sample Received by: JM (SM)

Raw Sample Relinquished by: JSP (Met Lab)