SDG COVER PAGE

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

Lab Code: ACE Case No.: 51817 MA No.: 3225.1,3226.1 SDG No.: MYE450

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method ICP-AES	ICP-MS	Mercury	Cyanide
MYE450	P4477-01	X	X		
MYE451	P4477-02	X	X		
MYE452	P4477-03	X	X		
MYE453	P4477-04	X	X		
MYE453D	P4477-05	X	X		
MYE453S	P4477-06	X	X		
MYE454	P4477-07	X	X		
MYE455	P4477-08	X	X		
MYE456	P4477-09	X	X		
MYE457	P4477-10	X	X		
MYE458	P4477-11	X	X		
MYE459	P4477-12	X	X		
MYE460	P4477-13	X	X		
MYE461	P4477-14	X	X		
MYE462	P4477-15	X	X		
MYE463	P4477-16	X	X		
MYE464	P4477-17	X	X		
MYE465	P4477-18	X	X		
MYE466	P4477-19	X	X		
MYE467	P4477-20	X	X		
MYE468	P4477-21	X	X		
MYE469	P4477-22	X	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: _____

USEPA CLP COC (LAB COPY)
DateShipped: 10/21/2024
CarrierName: FedEx
AirbillNo: 7793 0484 2737

CHAIN OF CUSTODY RECORD

Case #: 51817
Cooler #: EPA Cooler 01

No: 9-101424-084123-0135
Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed
Lab Phone: 908-728-3151

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Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
90028-H-00001-01	MYE450	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7898 (None) (1)	90028-H-00001	04/23/2024 17:08	
90028-H-00002-01	MYE451	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7899 (None) (1)	90028-H-00002	04/23/2024 17:18	
90028-H-00003-01	MYE452	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7900 (None) (1)	90028-H-00003	04/23/2024 16:56	
90028-H-00004-03	MYE453	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7901 (None) (1)	90028-H-00004	04/23/2024 17:02	
90028-H-00005-01	MYE454	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7902 (None) (1)	90028-H-00005	04/23/2024 17:12	
90028-H-00006-01	MYE455	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7903 (None) (1)	90028-H-00006	04/23/2024 17:04	
90028-H-00007-01	MYE456	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7904 (None) (1)	90028-H-00007	04/23/2024 16:56	
90028-H-00008-01	MYE457	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-7905 (None) (1)	90028-H-00008	04/23/2024 17:26	
90028-H-00009-01	MYE458	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7906 (None) (1)	90028-H-00009	04/23/2024 17:22	
90028-H-00010-01	MYE459	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-7907 (None) (1)	90028-H-00010	04/23/2024 17:13	

Sample(s) to be used for Lab QC: 90028-H-00004-03 Tag 9-7901 - Special Instructions: ICP-AES 11+Metals:Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn ICP-MS 11+ Metals: Ag, As, Ba,Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se,Tl, V, Zn 057949-50

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ICP-AES and ICP-MS=Metals ICP-AES and ICP-MS

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Tony Wuthe R9 ESAT	10/18/24 15:50		10-22-24 1003	17.9°C Ice Chest #1
					Custody seal intact
					No Temp blk.

USEPA CLP COC (LAB COPY)
DateShipped: 10/21/2024
CarrierName: FedEx
AirbillNo: 7793 0484 2737

CHAIN OF CUSTODY RECORD

Case #: 51817
Cooler #: EPA Cooler 01

No: 9-101424-084123-0135
Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed
Lab Phone: 908-728-3151

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Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
90028-H-00011-01	MYE460	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7908 (None) (1)	90028-H-00011	04/23/2024 17:06	
90028-H-00012-01	MYE461	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7909 (None) (1)	90028-H-00012	04/23/2024 17:21	
90028-I-00001-01	MYE462	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7910 (None) (1)	90028-I-00001	04/23/2024 16:16	
90028-I-00004-01	MYE463	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7911 (None) (1)	90028-I-00004	04/23/2024 16:02	
90028-I-00005-01	MYE464	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-7912 (None) (1)	90028-I-00005	04/23/2024 16:50	
90028-I-00006-01	MYE465	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-7913 (None) (1)	90028-I-00006	04/23/2024 16:37	
90028-I-00007-01	MYE466	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7914 (None) (1)	90028-I-00007	04/23/2024 16:25	
90028-I-00008-01	MYE467	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7915 (None) (1)	90028-I-00008	04/23/2024 16:28	
90028-I-00009-01	MYE468	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-7916 (None) (1)	90028-I-00009	04/23/2024 16:22	
90028-K-00002-01	MYE469	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7917 (None) (1)	90028-K-00002	04/23/2024 14:30	
90028-K-00003-01	MYE470	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7918 (None) (1)	90028-K-00003	04/23/2024 14:36	
90028-K-00004-01	MYE471	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7919 (None) (1)	90028-K-00004	04/23/2024 14:42	
90028-K-00005-01	MYE472	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7920 (None) (1)	90028-K-00005	04/23/2024 14:35	
90028-K-00006-01	MYE473	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7921 (None) (1)	90028-K-00006	04/23/2024 14:44	
90028-K-00007-01	MYE474	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7922 (None) (1)	90028-K-00007	04/23/2024 14:34	
90028-K-00008-01	MYE475	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-7923 (None) (1)	90028-K-00008	04/23/2024 14:33	
90028-K-00009-01	MYE476	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7924 (None) (1)	90028-K-00009	04/23/2024 14:38	

Special Instructions: ICP-AES 11+Metals:Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn ICP-MS 11+ Metals: Ag, As, Ba,Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se,Tl, V, Zn 057949-50

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ICP-AES and ICP-MS=Metals ICP-AES and ICP-MS

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Jerry Walker R9 ESAT	10/18/24 15:50		10-22-24 1003	17.9°C IR GUN #1
					custody seals intact
					NO Temp BLK.

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 1 of 1
Received By (Print Name) George Yeshow		Log-in Date **10/22/2024**
Received By (Signature)		
Case Number 51817	SDG No. MYE450	MA No. 3225.1,3226.1

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	057949-50
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	779304842737 1
6. Shipping Container Temperature Indicator Bottle	Absent
7. Shipping Container Temperature	17.9 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	10/22/2024
12.Time Received	10:03

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MYE450	N/A	9-7898	P4477-01	Intact
2	MYE451	N/A	9-7899	P4477-02	Intact
3	MYE452	N/A	9-7900	P4477-03	Intact
4	MYE453	N/A	9-7901	P4477-04	Intact
5	MYE453D	N/A	9-7901	P4477-05	Intact
6	MYE453S	N/A	9-7901	P4477-06	Intact
7	MYE454	N/A	9-7902	P4477-07	Intact
8	MYE455	N/A	9-7903	P4477-08	Intact
9	MYE456	N/A	9-7904	P4477-09	Intact
10	MYE457	N/A	9-7905	P4477-10	Intact
11	MYE458	N/A	9-7906	P4477-11	Intact
12	MYE459	N/A	9-7907	P4477-12	Intact
13	MYE460	N/A	9-7908	P4477-13	Intact
14	MYE461	N/A	9-7909	P4477-14	Intact
15	MYE462	N/A	9-7910	P4477-15	Intact
16	MYE463	N/A	9-7911	P4477-16	Intact
17	MYE464	N/A	9-7912	P4477-17	Intact
18	MYE465	N/A	9-7913	P4477-18	Intact
19	MYE466	N/A	9-7914	P4477-19	Intact
20	MYE467	N/A	9-7915	P4477-20	Intact
21	MYE468	N/A	9-7916	P4477-21	Intact
22	MYE469	N/A	9-7917	P4477-22	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	10/22/24	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.	**51817**	SDG NO.	**MYE450**
MA NO.	**3225.1,3226.1**	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	17	✓	
6 . Communication Logs	NA	NA	✓	
7 . Percent Solids Log	18	20	✓	
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	21	40	✓	
9 . Instrument raw data by instrument in analysis order	41	191	✓	
Other Data				
10 . Standard and Reagent Preparation Logs	192	341	✓	
11 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	342	343	✓	
12 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	344	347	✓	
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	348	367	✓	
18 . Instrument raw data by instrument in analysis order	368	1228	✓	
Other Data				
19 . Standard and Reagent Preparation Logs	1229	1369	✓	
20 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	1370	1371	✓	
21 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	1372	1384	✓	
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)	1385	1385	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	1386	1388	✓	
45. Misc. Shipping/Receiving Records (list all individual records)				
	NA	NA	✓	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	1389	1392	✓	
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 # MYE450
CASE # 51817
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID # P4477
MODIFIED ANALYSIS #3225.1, 3226.1

A. Number of Samples and Date of Receipt

20 Soil samples were delivered to the laboratory intact on 10/22/2024.

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.

Test requested for Metals CLP MS FULL = Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc.

C. Cooler Temp

Indicator Bottle**:** Presence**/Absence**

Cooler: 17.9^{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 MYE450 For Antimony:

If C = 0.0098097 ppm
Vf = 100 ml
W = 1.30g
S = 0.918(91.8/100)
DF = 2

$$\text{Concentration (mg/kg)} = 0.0098097 \times \frac{100}{1.30 \times 0.918} \times 2$$

$$= 1.64399 \text{ mg/kg}$$

$$= 1.6 \text{ mg/kg (Reported Result with Signification)}$$

Calculation for ICP-MS Soil Sample:

Conversion of Results from µg /L or ppb to mg/kg :

$$\text{Concentration (mg/kg)} = C \times \frac{Vf}{W \times S} \times DF / 1000$$

Where,

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

DF = Dilution Factor

Example Calculation For Sample MYE450 For Antimony :

If C = 2.79 ppb
Vf = 500 ml
W = 1.30 g
S = 0.918(91.8/100)
DF = 1

$$\text{Concentration (mg/kg)} = 2.79 \times \frac{500}{1.30 \times 0.918} \times 1 / 1000$$

= 1.16892 mg/kg

= 1.2 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 (MYE453SRE) did meet requirements except for Silver. . Spike sample (MYE453S) did meet requirements except for Beryllium, Cobalt, Nickel, Vanadium Duplicate sample did meet requirements except for Arsenic, Manganese. Serial Dilution did meet requirements.

Collision cell is being used to remove potential interferences. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.

Internal Standard Association for ICP-MS analysis.

Target Analyte	Associated Internal Standard
Antimony	159Tb
Arsenic	89Y
Barium	159Tb
Beryllium	6Li
Cadmium	159Tb
Chromium	45Sc

284 Sheffield Street
Mountainside, NJ 07092

Cobalt	45Sc
Copper	45Sc
Lead	209Bi
Nickel	45Sc
Selenium	89Y
Silver	159Tb
Thallium	209Bi
Vanadium	45Sc
Zinc	45Sc

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

Date: 09/04/2024	**MA:** 3225.0	**Title:** ICP-MS with Modified Preparation Method and Analysis of Soils with Additional Laboratory QC
Method Source: SFAM01.1	**Method:** ICP-MS	
Matrix: Soil/Sediment		

Summary of Modification

The purpose of this modified analysis is to prepare samples by EPA Draft Method 3050C (see below) with additional modified LCS and Matrix Spikes and analyze for the scheduled target analytes by ICP-MS. Unless specifically modified by this modification, all analyses, Quality Control (QC), and reporting requirements specified in the SOW listed in your current EPA agreement remain unchanged and in full force and effect.

I. Analyte Modifications **Not applicable** ☒

II. Calibration and QC Requirements **Not applicable** ☐

The Laboratory shall:

- Use the Method Detection Limits (MDLs) determined for routine soil analyses (i.e., Method 200.8) to report the results for these analyses. The Laboratory is NOT required to perform an MDL study for Draft Method 3050C.
- Prepare and analyze an additional Laboratory Control Sample (LCS) spiked at the CRQL. Percent Recovery limits do NOT apply to this LCS and no corrective actions are required.
- Prepare a Matrix Spike spiked at three times the levels specified in the SOW.
- Prepare and analyze an additional Matrix Spike sample spiked at five times the levels specified for this Modified Analysis (i.e., 15x the levels specified in the SOW).
- Post-Digestion Spike requirements apply to the 5x Matrix Spike only.
- Post-Digestion Spike corrective actions apply to Sb.

III. Preparation and Method Modifications **Not applicable** ☐

The Laboratory shall:

- Prepare and analyze the sample by EPA Draft Method 3050C as follows:
  - Mix sample thoroughly and transfer 1.00 – 1.50 g to a digestion vessel.
  - Add 10 mL 1:1 HNO_3 and 5 mL 1:1 HCl, heat the sample at 95°C (±3°C) and reflux 10 -15 minutes.
  - Add 5 mL concentrated HNO_3 and reflux for 30 minutes at 95°C (±3°C), repeat until digestion complete.
  - Concentrate sample to 5 mL or reflux without boiling for 2 hours at 95°C (±3°C).
  - Cool sample, add 2mL water and 3 mL 30% H_2O_2. Heat at 95°C (±3°C) and add additional 1 mL aliquots of 30% H_2O_2 until effervescence is minimal.
  - Dilute to 100 mL with water, centrifuge or filter as necessary prior to analysis.
- The same sample extracts can be used for ICP-AES analysis. Separate Matrix Spikes and LCS will need to be prepared for both ICP-AES and ICP-MS analyses.
- Analyze the samples starting at an initial 5x dilution. Subsequently, dilute samples as necessary to bring the analyte concentrations within the calibration range of the instrument per the SOW.
- Method Blanks, both LCSs, and all instrument QC are to be analyzed undiluted.

IV. Special Reporting Requirements	**Not applicable** ☐

The Laboratory shall:

- Ensure the SDG Narrative is updated as stated in the SOW, including any technical and administrative problems encountered and the resolution or corrective actions taken. These problems may include interference problems encountered during analysis, dilutions, re-analyses and/or re-preparations performed, and problems with the analysis of samples. Also include a discussion of any SOW Modified Analyses, including a copy of the approved modification form with the SDG Narrative.
- Initial analysis data are reported with a dilution factor of 1.0 and a final volume of 500 mL, per the SOW.
- Report the additional LCS as “LCSD” in the raw data and in the EDD with QCType “Laboratory_Control_Sample_Duplicate”.
- Report the additional Matrix Spike with an “SRE” suffix in the raw data and EDD.
- Report any Post-Digestion Spike of the additional 5x Matrix Spike with an “ARE” suffix.

Date: 09/04/2024	**MA:** 3226.0	**Title:** ICP-AES with Modified Preparation Method and Analysis of Soils with Additional Laboratory QC
Method Source: SFAM01.1	**Method:** ICP-AES	
Matrix: Soil/Sediment		

Summary of Modification

The purpose of this modified analysis is to prepare samples by EPA Draft Method 3050C (see below) with additional modified LCS and Matrix Spikes and analyze for the scheduled target analytes by ICP-AES. Unless specifically modified by this modification, all analyses, Quality Control (QC), and reporting requirements specified in the SOW listed in your current EPA agreement remain unchanged and in full force and effect.

I. Analyte Modifications **Not applicable** ☒

II. Calibration and QC Requirements **Not applicable** ☐

The Laboratory shall:

- Use the Method Detection Limits determined for routine soil analyses (i.e., Method 3050B) to report the results for these analyses. The Laboratory is NOT required to perform an MDL study for Draft Method 3050C.
- Prepare and analyze an additional Laboratory Control Sample (LCS) spiked at the CRQL. Percent Recovery limits do NOT apply to this LCS and no corrective actions are required.
- Prepare a Matrix Spike spiked at two times the levels specified in the SOW.
- Post-Digestion Spike requirements apply to the 2x Matrix Spike.
- Post-Digestion Spike corrective actions apply to Sb.

III. Preparation and Method Modifications **Not applicable** ☐

The Laboratory shall:

- Prepare and analyze the sample by EPA Draft Method 3050C as follows:
  - Mix sample thoroughly and transfer 1.00 – 1.50 g to a digestion vessel.
  - Add 10 mL 1:1 HNO_3 and 5 mL 1:1 HCl, heat the sample at 95°C (±3°C) and reflux 10 -15 minutes.
  - Add 5 mL concentrated HNO_3 and reflux for 30 minutes at 95°C (±3°C), repeat until digestion complete.
  - Concentrate sample to 5 mL or reflux without boiling for 2 hours at 95°C (±3°C).
  - Cool sample, add 2mL water and 3 mL 30% H_2O_2. Heat at 95°C (±3°C) and add additional 1 mL aliquots of 30% H_2O_2 until effervescence is minimal.
  - Dilute to 100 mL with water, centrifuge or filter as necessary prior to analysis.
- The same sample extracts can also be used for ICP-MS analysis. Separate Matrix Spikes and LCS will need to be prepared for both ICP-AES and ICP-MS analyses.
- Analyze the samples starting at an initial 2x dilution. Subsequently, dilute samples as necessary to bring the analyte concentrations within the calibration range of the instrument per the SOW.
- Verify that the dilution was adequate to reduce interferents to within the method calibration range. This can optionally be verified by visual verification of the spectrogram or by analysis of a serial dilution. There are other acceptable means to provide assurance, e.g. some software may automatically provide guidance to the analyst.
- Method Blanks, both LCS, and all instrument QC are to be analyzed undiluted.

IV. Special Reporting Requirements **Not applicable** ☐

The Laboratory shall:

- Ensure the SDG Narrative is updated as stated in the SOW, including any technical and administrative problems encountered and the resolution or corrective actions taken. These problems may include interference problems encountered during analysis, dilutions, re-analyses and/or re-preparations performed, and problems with the analysis of samples. Also include a discussion of any SOW Modified Analyses, including a copy of the approved modification form with the SDG Narrative.
- Initial analysis data are reported with a dilution factor of 2.0 and a final volume of 100 mL, per the SOW.
- Report the additional LCS as "LCSD" in the raw data and in the EDD with QCType "Laboratory_Control_Sample_Duplicate".
- Ensure that up-to-date Interelement Correction Factors (IECs) are provided with the data package.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
As 189.042 {479}	☒	1	Fe	-0.000064	0.000000	No
Tl 190.856 {477}	☒	5	Mo	-0.002450	0.000000	No
			Co	0.002248	0.000000	No
			Ti	-0.000500	0.000000	No
			Mn	0.000370	0.000000	No
			V	-0.012340	0.000000	No
Pb 220.353 {453}	☒	6	Mo	-0.001480	0.000000	No
			Al	-0.000075	0.000000	No
			Cu	0.001400	0.000000	No
			Fe	0.000030	0.000000	No
			Mn	0.000340	0.000000	No
			Ni	0.000630	0.000000	No
Se 196.090 {472}	☒	3	Fe	-0.000308	0.000000	No
			Mn	0.000470	0.000000	No
			Co	-0.000630	0.000000	No
Sb 206.833 {463}	☒	4	Cr	0.010700	0.000000	No
			V	-0.001168	0.000000	No
			Mo	-0.002850	0.000000	No
			Ni	-0.000440	0.000000	No
Al 396.152 { 85}	☒	1	Mo	0.037230	0.000000	No
Ba 493.409 { 68}	☐	None				
Be 234.861 {144}	☒	3	Mo	-0.000320	0.000000	No
			Fe	0.000010	0.000000	No
			Mn	-0.000047	0.000000	No
Cd 214.438 {457}	☒	1	Fe	0.000040	0.000000	No
Ca 373.690 { 90}	☐	None				
Cr 267.716 {126}	☒	1	Mn	0.000160	0.000000	No
Co 228.616 {448}	☒	2	Ti	0.001840	0.000000	No
			Mo	-0.001230	0.000000	No
Cu 324.754 {104}	☒	4	Co	-0.000796	0.000000	No
			Fe	-0.000100	0.000000	No
			Mn	0.000345	0.000000	No
			Ni	0.000895	0.000000	No
Fe 259.837 {130}	☐	None				
Mn 257.610 {131}	☒	1	Ni	0.000897	0.000000	No
Mg 279.079 {121}	☐	None				
Ni 231.604 {446}	☐	None				
Ag 328.068 {103}	☒	3	Fe	-0.000100	0.000000	No
			Mn	0.000146	0.000000	No
			V	-0.000889	0.000000	No
Na 818.326 { 41}	☐	None				
V 292.402 {115}	☒	2	Mo	-0.008480	0.000000	No
			Cr	-0.002220	0.000000	No
Zn 206.200 {464}	☐	None				
Zn 213.856 {158}	☒	1	Ni	0.007280	0.000000	No
K 769.896 { 44}	☐	None				
P 177.495 {490}	☒	2	Ni	0.001640	0.000000	No
			Cu	-0.012530	0.000000	No
B 249.678 {135}	☒	3	Co	0.002880	0.000000	No
			V	-0.002000	0.000000	No
			Fe	-0.001360	0.000000	No
Mo 202.030 {467}	☐	None				
S 182.034 {485}	☒	2	Mo	-0.008000	0.000000	No
			Mn	0.002700	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Si 251.611 {134}	☒	2	Mo	0.010520	0.000000	No
			Ti	0.005650	0.000000	No
Sn 189.989 {478}	☐	None				
Ti 336.121 {100}	☒	1	Ni	-0.001000	0.000000	No
Li 670.784 { 50}	☐	None				
Y 224.306 {450}*	☐	None				
Y 360.073 { 94}*	☐	None				
Y 371.030 { 91}*	☐	None				
Y 224.306 {150}*	☐	None				
In 230.606 {446}*	☐	None				
Sr 407.771 { 83}	☐	None				

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/23/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/22/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 07:49
Out Date: 10/23/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133060

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
P4477-01	MYE450	1	1.15	8.53	9.68	8.98	91.8	
P4477-02	MYE451	2	1.15	8.70	9.85	9.65	97.7	
P4477-03	MYE452	3	1.16	8.52	9.68	9.05	92.6	
P4477-04	MYE453	4	1.17	8.54	9.71	9.47	97.2	
P4477-05	MYE453D	5	1.17	8.54	9.71	9.47	97.2	
P4477-06	MYE453S	6	1.17	8.54	9.71	9.47	97.2	
P4477-07	MYE454	7	1.15	8.80	9.95	9.27	92.3	
P4477-08	MYE455	8	1.14	8.48	9.62	8.94	92.0	
P4477-09	MYE456	9	1.15	8.68	9.83	9.59	97.2	
P4477-10	MYE457	10	1.18	8.63	9.81	9.6	97.6	
P4477-11	MYE458	11	1.14	8.53	9.67	9.44	97.3	
P4477-12	MYE459	12	1.15	8.44	9.59	9.32	96.8	
P4477-13	MYE460	13	1.15	8.62	9.77	9.52	97.1	
P4477-14	MYE461	14	1.19	8.50	9.69	9.6	98.9	
P4477-15	MYE462	15	1.18	8.49	9.67	9.2	94.5	
P4477-16	MYE463	16	1.15	8.43	9.58	8.85	91.3	
P4477-17	MYE464	17	1.16	8.69	9.85	9.14	91.8	
P4477-18	MYE465	18	1.17	8.78	9.95	9.5	94.9	
P4477-19	MYE466	19	1.17	8.71	9.88	9.63	97.1	
P4477-20	MYE467	20	1.16	8.58	9.74	9.52	97.4	
P4477-21	MYE468	21	1.17	8.70	9.87	9.4	94.6	
P4477-22	MYE469	22	1.18	8.75	9.93	9.47	94.7	

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

WORKLIST(Hardcopy Internal Chain)

VB 133060

WorkList Name : %1-P4477 **WorkList ID :** 184670 **Department :** Wet-Chemistry **Date :** 10-22-2024 16:29:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4477-01	MYE450	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-02	MYE451	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-03	MYE452	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-04	MYE453	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-05	MYE453D	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-06	MYE453S	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-07	MYE454	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-08	MYE455	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-09	MYE456	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-10	MYE457	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-11	MYE458	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-12	MYE459	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-13	MYE460	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-14	MYE461	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-15	MYE462	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-16	MYE463	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-17	MYE464	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-18	MYE465	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-19	MYE466	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-20	MYE467	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-21	MYE468	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO

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Date/Time 10/22/24 1635

Raw Sample Received by: JD WC/

Raw Sample Relinquished by: CP

Date/Time 10/22/24 1730

Raw Sample Received by: CP

Raw Sample Relinquished by: JD WC/

WORKLIST(Hardcopy Internal Chain)

133060

WorkList Name : %1-P4477 **WorkList ID :** 184670 **Department :** Wet-Chemistry **Date :** 10-22-2024 16:29:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4477-22	MYE469	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO

20

Date/Time 10/22/24 16:35

Raw Sample Received by: YB WC1

Raw Sample Relinquished by: CP SM

Date/Time 10/22/24 17:30

Raw Sample Received by: CP SM

Raw Sample Relinquished by: YB WC1

EPA SAMPLE NO.

MYE450

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-01

% Solids: 91.8 Date Received: 10/22/2024

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	17000	D	10/26/2024	2017
7440-36-0	Antimony	1.6	JD	10/26/2024	2017
7440-38-2	Arsenic	39	D*	10/26/2024	2017
7440-39-3	Barium	180	D	10/26/2024	2017
7440-41-7	Beryllium	0.86	D	10/26/2024	2017
7440-43-9	Cadmium	0.87	D	10/26/2024	2017
7440-70-2	Calcium	13000	D	10/26/2024	2017
7440-47-3	Chromium	40	D	10/26/2024	2017
7440-48-4	Cobalt	21	D	10/26/2024	2017
7440-50-8	Copper	130	D	10/26/2024	2017
7439-89-6	Iron	38000	D	10/26/2024	2017
7439-92-1	Lead	40	D	10/26/2024	2017
7439-95-4	Magnesium	7900	D	10/26/2024	2017
7439-96-5	Manganese	950	D*	10/26/2024	2017
7440-02-0	Nickel	37	D	10/26/2024	2017
7440-09-7	Potassium	5400	D	10/26/2024	2017
7782-49-2	Selenium	5.9	UD	10/26/2024	2017
7440-22-4	Silver	1.7	UD	10/26/2024	2017
7440-23-5	Sodium	180	JD	10/26/2024	2017
7440-28-0	Thallium	4.2	UD	10/26/2024	2017
7440-62-2	Vanadium	72	D	10/26/2024	2017
7440-66-6	Zinc	110	D	10/26/2024	2017

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

Comments:

EPA SAMPLE NO.

MYE451

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-02

% Solids: 97.7 Date Received: 10/22/2024

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	14000	D	10/26/2024	2021
7440-36-0	Antimony	1.2	JD	10/26/2024	2021
7440-38-2	Arsenic	29	D*	10/26/2024	2021
7440-39-3	Barium	150	D	10/26/2024	2021
7440-41-7	Beryllium	0.75	D	10/26/2024	2021
7440-43-9	Cadmium	0.65	JD	10/26/2024	2021
7440-70-2	Calcium	3900	D	10/26/2024	2021
7440-47-3	Chromium	32	D	10/26/2024	2021
7440-48-4	Cobalt	17	D	10/26/2024	2021
7440-50-8	Copper	93	D	10/26/2024	2021
7439-89-6	Iron	32000	D	10/26/2024	2021
7439-92-1	Lead	32	D	10/26/2024	2021
7439-95-4	Magnesium	6200	D	10/26/2024	2021
7439-96-5	Manganese	760	D*	10/26/2024	2021
7440-02-0	Nickel	31	D	10/26/2024	2021
7440-09-7	Potassium	4400	D	10/26/2024	2021
7782-49-2	Selenium	5.2	UD	10/26/2024	2021
7440-22-4	Silver	1.5	UD	10/26/2024	2021
7440-23-5	Sodium	150	JD	10/26/2024	2021
7440-28-0	Thallium	3.7	UD	10/26/2024	2021
7440-62-2	Vanadium	61	D	10/26/2024	2021
7440-66-6	Zinc	92	D	10/26/2024	2021

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

Comments:

EPA SAMPLE NO.

MYE452

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-03

% Solids: 92.6 Date Received: 10/22/2024

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	19000	D	10/26/2024	2025
7440-36-0	Antimony	1.3	JD	10/26/2024	2025
7440-38-2	Arsenic	45	D*	10/26/2024	2025
7440-39-3	Barium	230	D	10/26/2024	2025
7440-41-7	Beryllium	0.97	D	10/26/2024	2025
7440-43-9	Cadmium	0.68	JD	10/26/2024	2025
7440-70-2	Calcium	9800	D	10/26/2024	2025
7440-47-3	Chromium	41	D	10/26/2024	2025
7440-48-4	Cobalt	22	D	10/26/2024	2025
7440-50-8	Copper	130	D	10/26/2024	2025
7439-89-6	Iron	40000	D	10/26/2024	2025
7439-92-1	Lead	41	D	10/26/2024	2025
7439-95-4	Magnesium	9200	D	10/26/2024	2025
7439-96-5	Manganese	1300	D*	10/26/2024	2025
7440-02-0	Nickel	42	D	10/26/2024	2025
7440-09-7	Potassium	4700	D	10/26/2024	2025
7782-49-2	Selenium	6.4	UD	10/26/2024	2025
7440-22-4	Silver	1.8	UD	10/26/2024	2025
7440-23-5	Sodium	230	JD	10/26/2024	2025
7440-28-0	Thallium	4.6	UD	10/26/2024	2025
7440-62-2	Vanadium	76	D	10/26/2024	2025
7440-66-6	Zinc	100	D	10/26/2024	2025

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

Comments:

EPA SAMPLE NO.

MYE453

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-04

% Solids: 97.2 Date Received: 10/22/2024

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	14000	D	10/26/2024	2030
7440-36-0	Antimony	2.1	JD	10/26/2024	2030
7440-38-2	Arsenic	77	D*	10/26/2024	2030
7440-39-3	Barium	200	D	10/26/2024	2030
7440-41-7	Beryllium	0.82	D	10/26/2024	2030
7440-43-9	Cadmium	0.78	D	10/26/2024	2030
7440-70-2	Calcium	4400	D	10/26/2024	2030
7440-47-3	Chromium	31	D	10/26/2024	2030
7440-48-4	Cobalt	20	D	10/26/2024	2030
7440-50-8	Copper	120	D	10/26/2024	2030
7439-89-6	Iron	34000	D	10/26/2024	2030
7439-92-1	Lead	42	D	10/26/2024	2030
7439-95-4	Magnesium	6500	D	10/26/2024	2030
7439-96-5	Manganese	1200	D*	10/26/2024	2030
7440-02-0	Nickel	32	D	10/26/2024	2030
7440-09-7	Potassium	4500	D	10/26/2024	2030
7782-49-2	Selenium	5.1	UD	10/26/2024	2030
7440-22-4	Silver	1.5	UD	10/26/2024	2030
7440-23-5	Sodium	180	JD	10/26/2024	2030
7440-28-0	Thallium	3.6	UD	10/26/2024	2030
7440-62-2	Vanadium	62	D	10/26/2024	2030
7440-66-6	Zinc	100	D	10/26/2024	2030

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

Comments:

EPA SAMPLE NO.

MYE454

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-07

% Solids: 92.3 Date Received: 10/22/2024

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	14000	D	10/26/2024	2056
7440-36-0	Antimony	1.2	JD	10/26/2024	2056
7440-38-2	Arsenic	26	D*	10/26/2024	2056
7440-39-3	Barium	150	D	10/26/2024	2056
7440-41-7	Beryllium	0.74	JD	10/26/2024	2056
7440-43-9	Cadmium	0.61	JD	10/26/2024	2056
7440-70-2	Calcium	5500	D	10/26/2024	2056
7440-47-3	Chromium	34	D	10/26/2024	2056
7440-48-4	Cobalt	18	D	10/26/2024	2056
7440-50-8	Copper	87	D	10/26/2024	2056
7439-89-6	Iron	33000	D	10/26/2024	2056
7439-92-1	Lead	28	D	10/26/2024	2056
7439-95-4	Magnesium	6500	D	10/26/2024	2056
7439-96-5	Manganese	780	D*	10/26/2024	2056
7440-02-0	Nickel	30	D	10/26/2024	2056
7440-09-7	Potassium	5000	D	10/26/2024	2056
7782-49-2	Selenium	5.9	UD	10/26/2024	2056
7440-22-4	Silver	1.7	UD	10/26/2024	2056
7440-23-5	Sodium	840	UD	10/26/2024	2056
7440-28-0	Thallium	4.2	UD	10/26/2024	2056
7440-62-2	Vanadium	63	D	10/26/2024	2056
7440-66-6	Zinc	96	D	10/26/2024	2056

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

Comments:

EPA SAMPLE NO.

MYE455

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-08

% Solids: 92 Date Received: 10/22/2024

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	15000	D	10/26/2024	2101
7440-36-0	Antimony	0.92	JD	10/26/2024	2101
7440-38-2	Arsenic	26	D*	10/26/2024	2101
7440-39-3	Barium	160	D	10/26/2024	2101
7440-41-7	Beryllium	0.76	JD	10/26/2024	2101
7440-43-9	Cadmium	0.59	JD	10/26/2024	2101
7440-70-2	Calcium	11000	D	10/26/2024	2101
7440-47-3	Chromium	33	D	10/26/2024	2101
7440-48-4	Cobalt	18	D	10/26/2024	2101
7440-50-8	Copper	88	D	10/26/2024	2101
7439-89-6	Iron	32000	D	10/26/2024	2101
7439-92-1	Lead	29	D	10/26/2024	2101
7439-95-4	Magnesium	7700	D	10/26/2024	2101
7439-96-5	Manganese	790	D*	10/26/2024	2101
7440-02-0	Nickel	32	D	10/26/2024	2101
7440-09-7	Potassium	5500	D	10/26/2024	2101
7782-49-2	Selenium	6.1	UD	10/26/2024	2101
7440-22-4	Silver	1.8	UD	10/26/2024	2101
7440-23-5	Sodium	590	JD	10/26/2024	2101
7440-28-0	Thallium	4.4	UD	10/26/2024	2101
7440-62-2	Vanadium	63	D	10/26/2024	2101
7440-66-6	Zinc	97	D	10/26/2024	2101

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

Comments:

EPA SAMPLE NO.

MYE456

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-09

% Solids: 97.2 Date Received: 10/22/2024

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	17000	D	10/26/2024	2105
7440-36-0	Antimony	2.0	JD	10/26/2024	2105
7440-38-2	Arsenic	24	D*	10/26/2024	2105
7440-39-3	Barium	120	D	10/26/2024	2105
7440-41-7	Beryllium	0.79	JD	10/26/2024	2105
7440-43-9	Cadmium	0.30	JD	10/26/2024	2105
7440-70-2	Calcium	12000	D	10/26/2024	2105
7440-47-3	Chromium	46	D	10/26/2024	2105
7440-48-4	Cobalt	24	D	10/26/2024	2105
7440-50-8	Copper	88	D	10/26/2024	2105
7439-89-6	Iron	43000	D	10/26/2024	2105
7439-92-1	Lead	27	D	10/26/2024	2105
7439-95-4	Magnesium	11000	D	10/26/2024	2105
7439-96-5	Manganese	810	D*	10/26/2024	2105
7440-02-0	Nickel	46	D	10/26/2024	2105
7440-09-7	Potassium	4600	D	10/26/2024	2105
7782-49-2	Selenium	6.7	UD	10/26/2024	2105
7440-22-4	Silver	1.9	UD	10/26/2024	2105
7440-23-5	Sodium	300	JD	10/26/2024	2105
7440-28-0	Thallium	4.8	UD	10/26/2024	2105
7440-62-2	Vanadium	97	D	10/26/2024	2105
7440-66-6	Zinc	78	D	10/26/2024	2105

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

Comments:

EPA SAMPLE NO.

MYE457

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-10

% Solids: 97.6 Date Received: 10/22/2024

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	15000	D	10/26/2024	2109
7440-36-0	Antimony	1.3	JD	10/26/2024	2109
7440-38-2	Arsenic	41	D*	10/26/2024	2109
7440-39-3	Barium	170	D	10/26/2024	2109
7440-41-7	Beryllium	0.89	D	10/26/2024	2109
7440-43-9	Cadmium	0.79	D	10/26/2024	2109
7440-70-2	Calcium	2800	D	10/26/2024	2109
7440-47-3	Chromium	34	D	10/26/2024	2109
7440-48-4	Cobalt	21	D	10/26/2024	2109
7440-50-8	Copper	120	D	10/26/2024	2109
7439-89-6	Iron	37000	D	10/26/2024	2109
7439-92-1	Lead	38	D	10/26/2024	2109
7439-95-4	Magnesium	6800	D	10/26/2024	2109
7439-96-5	Manganese	910	D*	10/26/2024	2109
7440-02-0	Nickel	38	D	10/26/2024	2109
7440-09-7	Potassium	4600	D	10/26/2024	2109
7782-49-2	Selenium	5.1	UD	10/26/2024	2109
7440-22-4	Silver	1.4	UD	10/26/2024	2109
7440-23-5	Sodium	720	UD	10/26/2024	2109
7440-28-0	Thallium	3.6	UD	10/26/2024	2109
7440-62-2	Vanadium	68	D	10/26/2024	2109
7440-66-6	Zinc	96	D	10/26/2024	2109

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

Comments:

EPA SAMPLE NO.

MYE458

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-11

% Solids: 97.3 Date Received: 10/22/2024

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	13000	D	10/26/2024	2114
7440-36-0	Antimony	1.2	JD	10/26/2024	2114
7440-38-2	Arsenic	28	D*	10/26/2024	2114
7440-39-3	Barium	150	D	10/26/2024	2114
7440-41-7	Beryllium	0.69	JD	10/26/2024	2114
7440-43-9	Cadmium	0.70	JD	10/26/2024	2114
7440-70-2	Calcium	7800	D	10/26/2024	2114
7440-47-3	Chromium	30	D	10/26/2024	2114
7440-48-4	Cobalt	19	D	10/26/2024	2114
7440-50-8	Copper	97	D	10/26/2024	2114
7439-89-6	Iron	31000	D	10/26/2024	2114
7439-92-1	Lead	33	D	10/26/2024	2114
7439-95-4	Magnesium	6300	D	10/26/2024	2114
7439-96-5	Manganese	830	D*	10/26/2024	2114
7440-02-0	Nickel	29	D	10/26/2024	2114
7440-09-7	Potassium	4600	D	10/26/2024	2114
7782-49-2	Selenium	5.4	UD	10/26/2024	2114
7440-22-4	Silver	1.5	UD	10/26/2024	2114
7440-23-5	Sodium	160	JD	10/26/2024	2114
7440-28-0	Thallium	3.8	UD	10/26/2024	2114
7440-62-2	Vanadium	59	D	10/26/2024	2114
7440-66-6	Zinc	100	D	10/26/2024	2114

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

Comments:

EPA SAMPLE NO.

MYE459

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-12

% Solids: 96.8 Date Received: 10/22/2024

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	13000	D	10/26/2024	2118
7440-36-0	Antimony	1.7	JD	10/26/2024	2118
7440-38-2	Arsenic	36	D*	10/26/2024	2118
7440-39-3	Barium	160	D	10/26/2024	2118
7440-41-7	Beryllium	0.77	D	10/26/2024	2118
7440-43-9	Cadmium	0.93	D	10/26/2024	2118
7440-70-2	Calcium	6400	D	10/26/2024	2118
7440-47-3	Chromium	32	D	10/26/2024	2118
7440-48-4	Cobalt	19	D	10/26/2024	2118
7440-50-8	Copper	120	D	10/26/2024	2118
7439-89-6	Iron	33000	D	10/26/2024	2118
7439-92-1	Lead	37	D	10/26/2024	2118
7439-95-4	Magnesium	6300	D	10/26/2024	2118
7439-96-5	Manganese	860	D*	10/26/2024	2118
7440-02-0	Nickel	34	D	10/26/2024	2118
7440-09-7	Potassium	4900	D	10/26/2024	2118
7782-49-2	Selenium	5.1	UD	10/26/2024	2118
7440-22-4	Silver	1.5	UD	10/26/2024	2118
7440-23-5	Sodium	230	JD	10/26/2024	2118
7440-28-0	Thallium	3.6	UD	10/26/2024	2118
7440-62-2	Vanadium	63	D	10/26/2024	2118
7440-66-6	Zinc	100	D	10/26/2024	2118

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

Comments:

EPA SAMPLE NO.

MYE460

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-13

% Solids: 97.1 Date Received: 10/22/2024

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	14000	D	10/26/2024	2123
7440-36-0	Antimony	1.1	JD	10/26/2024	2123
7440-38-2	Arsenic	26	D*	10/26/2024	2123
7440-39-3	Barium	160	D	10/26/2024	2123
7440-41-7	Beryllium	0.76	JD	10/26/2024	2123
7440-43-9	Cadmium	0.81	JD	10/26/2024	2123
7440-70-2	Calcium	9400	D	10/26/2024	2123
7440-47-3	Chromium	31	D	10/26/2024	2123
7440-48-4	Cobalt	17	D	10/26/2024	2123
7440-50-8	Copper	120	D	10/26/2024	2123
7439-89-6	Iron	31000	D	10/26/2024	2123
7439-92-1	Lead	35	D	10/26/2024	2123
7439-95-4	Magnesium	6900	D	10/26/2024	2123
7439-96-5	Manganese	830	D*	10/26/2024	2123
7440-02-0	Nickel	31	D	10/26/2024	2123
7440-09-7	Potassium	5200	D	10/26/2024	2123
7782-49-2	Selenium	6.1	UD	10/26/2024	2123
7440-22-4	Silver	1.7	UD	10/26/2024	2123
7440-23-5	Sodium	230	JD	10/26/2024	2123
7440-28-0	Thallium	4.3	UD	10/26/2024	2123
7440-62-2	Vanadium	57	D	10/26/2024	2123
7440-66-6	Zinc	110	D	10/26/2024	2123

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

Comments:

EPA SAMPLE NO.

MYE461

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-14

% Solids: 98.9 Date Received: 10/22/2024

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	14000	D	10/26/2024	2127
7440-36-0	Antimony	1.8	JD	10/26/2024	2127
7440-38-2	Arsenic	30	D*	10/26/2024	2127
7440-39-3	Barium	150	D	10/26/2024	2127
7440-41-7	Beryllium	0.84	JD	10/26/2024	2127
7440-43-9	Cadmium	0.63	JD	10/26/2024	2127
7440-70-2	Calcium	4600	D	10/26/2024	2127
7440-47-3	Chromium	32	D	10/26/2024	2127
7440-48-4	Cobalt	17	D	10/26/2024	2127
7440-50-8	Copper	97	D	10/26/2024	2127
7439-89-6	Iron	35000	D	10/26/2024	2127
7439-92-1	Lead	35	D	10/26/2024	2127
7439-95-4	Magnesium	6500	D	10/26/2024	2127
7439-96-5	Manganese	830	D*	10/26/2024	2127
7440-02-0	Nickel	30	D	10/26/2024	2127
7440-09-7	Potassium	4300	D	10/26/2024	2127
7782-49-2	Selenium	6.4	UD	10/26/2024	2127
7440-22-4	Silver	1.8	UD	10/26/2024	2127
7440-23-5	Sodium	910	UD	10/26/2024	2127
7440-28-0	Thallium	4.6	UD	10/26/2024	2127
7440-62-2	Vanadium	65	D	10/26/2024	2127
7440-66-6	Zinc	100	D	10/26/2024	2127

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

Comments:

EPA SAMPLE NO.

MYE462

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-15

% Solids: 94.5 Date Received: 10/22/2024

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	16000	D	10/26/2024	2131
7440-36-0	Antimony	1.1	JD	10/26/2024	2131
7440-38-2	Arsenic	26	D*	10/26/2024	2131
7440-39-3	Barium	130	D	10/26/2024	2131
7440-41-7	Beryllium	0.91	D	10/26/2024	2131
7440-43-9	Cadmium	0.31	JD	10/26/2024	2131
7440-70-2	Calcium	10000	D	10/26/2024	2131
7440-47-3	Chromium	30	D	10/26/2024	2131
7440-48-4	Cobalt	20	D	10/26/2024	2131
7440-50-8	Copper	64	D	10/26/2024	2131
7439-89-6	Iron	35000	D	10/26/2024	2131
7439-92-1	Lead	24	D	10/26/2024	2131
7439-95-4	Magnesium	9100	D	10/26/2024	2131
7439-96-5	Manganese	690	D*	10/26/2024	2131
7440-02-0	Nickel	47	D	10/26/2024	2131
7440-09-7	Potassium	2600	D	10/26/2024	2131
7782-49-2	Selenium	5.0	UD	10/26/2024	2131
7440-22-4	Silver	1.4	UD	10/26/2024	2131
7440-23-5	Sodium	670	JD	10/26/2024	2131
7440-28-0	Thallium	3.6	UD	10/26/2024	2131
7440-62-2	Vanadium	73	D	10/26/2024	2131
7440-66-6	Zinc	68	D	10/26/2024	2131

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

Comments:

EPA SAMPLE NO.

MYE463

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-16

% Solids: 91.3 Date Received: 10/22/2024

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	20000	D	10/26/2024	2136
7440-36-0	Antimony	1.2	JD	10/26/2024	2136
7440-38-2	Arsenic	27	D*	10/26/2024	2136
7440-39-3	Barium	100	D	10/26/2024	2136
7440-41-7	Beryllium	0.72	JD	10/26/2024	2136
7440-43-9	Cadmium	0.32	JD	10/26/2024	2136
7440-70-2	Calcium	8100	D	10/26/2024	2136
7440-47-3	Chromium	61	D	10/26/2024	2136
7440-48-4	Cobalt	28	D	10/26/2024	2136
7440-50-8	Copper	100	D	10/26/2024	2136
7439-89-6	Iron	44000	D	10/26/2024	2136
7439-92-1	Lead	21	D	10/26/2024	2136
7439-95-4	Magnesium	13000	D	10/26/2024	2136
7439-96-5	Manganese	850	D*	10/26/2024	2136
7440-02-0	Nickel	56	D	10/26/2024	2136
7440-09-7	Potassium	3400	D	10/26/2024	2136
7782-49-2	Selenium	6.3	UD	10/26/2024	2136
7440-22-4	Silver	1.8	UD	10/26/2024	2136
7440-23-5	Sodium	300	JD	10/26/2024	2136
7440-28-0	Thallium	4.5	UD	10/26/2024	2136
7440-62-2	Vanadium	94	D	10/26/2024	2136
7440-66-6	Zinc	71	D	10/26/2024	2136

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

Comments:

EPA SAMPLE NO.

MYE464

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-17

% Solids: 91.8 Date Received: 10/22/2024

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	18000	D	10/26/2024	2140
7440-36-0	Antimony	1.7	JD	10/26/2024	2140
7440-38-2	Arsenic	47	D*	10/26/2024	2140
7440-39-3	Barium	210	D	10/26/2024	2140
7440-41-7	Beryllium	1.0	D	10/26/2024	2140
7440-43-9	Cadmium	0.68	JD	10/26/2024	2140
7440-70-2	Calcium	11000	D	10/26/2024	2140
7440-47-3	Chromium	40	D	10/26/2024	2140
7440-48-4	Cobalt	21	D	10/26/2024	2140
7440-50-8	Copper	100	D	10/26/2024	2140
7439-89-6	Iron	43000	D	10/26/2024	2140
7439-92-1	Lead	36	D	10/26/2024	2140
7439-95-4	Magnesium	9200	D	10/26/2024	2140
7439-96-5	Manganese	1200	D*	10/26/2024	2140
7440-02-0	Nickel	42	D	10/26/2024	2140
7440-09-7	Potassium	5200	D	10/26/2024	2140
7782-49-2	Selenium	6.5	UD	10/26/2024	2140
7440-22-4	Silver	1.9	UD	10/26/2024	2140
7440-23-5	Sodium	740	JD	10/26/2024	2140
7440-28-0	Thallium	4.7	UD	10/26/2024	2140
7440-62-2	Vanadium	83	D	10/26/2024	2140
7440-66-6	Zinc	110	D	10/26/2024	2140

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

Comments:

EPA SAMPLE NO.

MYE465

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-18

% Solids: 94.9 Date Received: 10/22/2024

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	21000	D	10/26/2024	2145
7440-36-0	Antimony	1.2	JD	10/26/2024	2145
7440-38-2	Arsenic	38	D*	10/26/2024	2145
7440-39-3	Barium	220	D	10/26/2024	2145
7440-41-7	Beryllium	1.0	D	10/26/2024	2145
7440-43-9	Cadmium	0.63	JD	10/26/2024	2145
7440-70-2	Calcium	12000	D	10/26/2024	2145
7440-47-3	Chromium	40	D	10/26/2024	2145
7440-48-4	Cobalt	25	D	10/26/2024	2145
7440-50-8	Copper	110	D	10/26/2024	2145
7439-89-6	Iron	42000	D	10/26/2024	2145
7439-92-1	Lead	36	D	10/26/2024	2145
7439-95-4	Magnesium	9900	D	10/26/2024	2145
7439-96-5	Manganese	1200	D*	10/26/2024	2145
7440-02-0	Nickel	52	D	10/26/2024	2145
7440-09-7	Potassium	4700	D	10/26/2024	2145
7782-49-2	Selenium	6.1	UD	10/26/2024	2145
7440-22-4	Silver	1.7	UD	10/26/2024	2145
7440-23-5	Sodium	230	JD	10/26/2024	2145
7440-28-0	Thallium	4.4	UD	10/26/2024	2145
7440-62-2	Vanadium	80	D	10/26/2024	2145
7440-66-6	Zinc	97	D	10/26/2024	2145

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

Comments:

EPA SAMPLE NO.

MYE466

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-19

% Solids: 97.1 Date Received: 10/22/2024

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	15000	D	10/26/2024	2149
7440-36-0	Antimony	1.8	JD	10/26/2024	2149
7440-38-2	Arsenic	34	D*	10/26/2024	2149
7440-39-3	Barium	160	D	10/26/2024	2149
7440-41-7	Beryllium	0.87	D	10/26/2024	2149
7440-43-9	Cadmium	0.81	JD	10/26/2024	2149
7440-70-2	Calcium	6300	D	10/26/2024	2149
7440-47-3	Chromium	33	D	10/26/2024	2149
7440-48-4	Cobalt	19	D	10/26/2024	2149
7440-50-8	Copper	130	D	10/26/2024	2149
7439-89-6	Iron	36000	D	10/26/2024	2149
7439-92-1	Lead	38	D	10/26/2024	2149
7439-95-4	Magnesium	7000	D	10/26/2024	2149
7439-96-5	Manganese	820	D*	10/26/2024	2149
7440-02-0	Nickel	35	D	10/26/2024	2149
7440-09-7	Potassium	4600	D	10/26/2024	2149
7782-49-2	Selenium	5.8	UD	10/26/2024	2149
7440-22-4	Silver	1.7	UD	10/26/2024	2149
7440-23-5	Sodium	220	JD	10/26/2024	2149
7440-28-0	Thallium	4.1	UD	10/26/2024	2149
7440-62-2	Vanadium	69	D	10/26/2024	2149
7440-66-6	Zinc	100	D	10/26/2024	2149

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

Comments:

EPA SAMPLE NO.

MYE467

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-20

% Solids: 97.4 Date Received: 10/22/2024

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	18000	D	10/26/2024	2202
7440-36-0	Antimony	1.4	JD	10/26/2024	2202
7440-38-2	Arsenic	36	D*	10/26/2024	2202
7440-39-3	Barium	210	D	10/26/2024	2202
7440-41-7	Beryllium	0.90	JD	10/26/2024	2202
7440-43-9	Cadmium	0.50	JD	10/26/2024	2202
7440-70-2	Calcium	9200	D	10/26/2024	2202
7440-47-3	Chromium	36	D	10/26/2024	2202
7440-48-4	Cobalt	20	D	10/26/2024	2202
7440-50-8	Copper	85	D	10/26/2024	2202
7439-89-6	Iron	38000	D	10/26/2024	2202
7439-92-1	Lead	31	D	10/26/2024	2202
7439-95-4	Magnesium	7800	D	10/26/2024	2202
7439-96-5	Manganese	1000	D*	10/26/2024	2202
7440-02-0	Nickel	38	D	10/26/2024	2202
7440-09-7	Potassium	4300	D	10/26/2024	2202
7782-49-2	Selenium	6.4	UD	10/26/2024	2202
7440-22-4	Silver	1.8	UD	10/26/2024	2202
7440-23-5	Sodium	920	UD	10/26/2024	2202
7440-28-0	Thallium	4.6	UD	10/26/2024	2202
7440-62-2	Vanadium	72	D	10/26/2024	2202
7440-66-6	Zinc	84	D	10/26/2024	2202

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

Comments:

EPA SAMPLE NO.

MYE468

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-21

% Solids: 94.6 Date Received: 10/22/2024

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	16000	D	10/26/2024	2207
7440-36-0	Antimony	0.88	JD	10/26/2024	2207
7440-38-2	Arsenic	27	D*	10/26/2024	2207
7440-39-3	Barium	180	D	10/26/2024	2207
7440-41-7	Beryllium	0.85	D	10/26/2024	2207
7440-43-9	Cadmium	0.31	JD	10/26/2024	2207
7440-70-2	Calcium	5500	D	10/26/2024	2207
7440-47-3	Chromium	34	D	10/26/2024	2207
7440-48-4	Cobalt	20	D	10/26/2024	2207
7440-50-8	Copper	70	D	10/26/2024	2207
7439-89-6	Iron	34000	D	10/26/2024	2207
7439-92-1	Lead	23	D	10/26/2024	2207
7439-95-4	Magnesium	7100	D	10/26/2024	2207
7439-96-5	Manganese	880	D*	10/26/2024	2207
7440-02-0	Nickel	34	D	10/26/2024	2207
7440-09-7	Potassium	4500	D	10/26/2024	2207
7782-49-2	Selenium	5.3	UD	10/26/2024	2207
7440-22-4	Silver	1.5	UD	10/26/2024	2207
7440-23-5	Sodium	160	JD	10/26/2024	2207
7440-28-0	Thallium	3.8	UD	10/26/2024	2207
7440-62-2	Vanadium	62	D	10/26/2024	2207
7440-66-6	Zinc	74	D	10/26/2024	2207

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

Comments:

EPA SAMPLE NO.

MYE469

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-22

% Solids: 94.7 Date Received: 10/22/2024

Analytical Method: ICP_AES

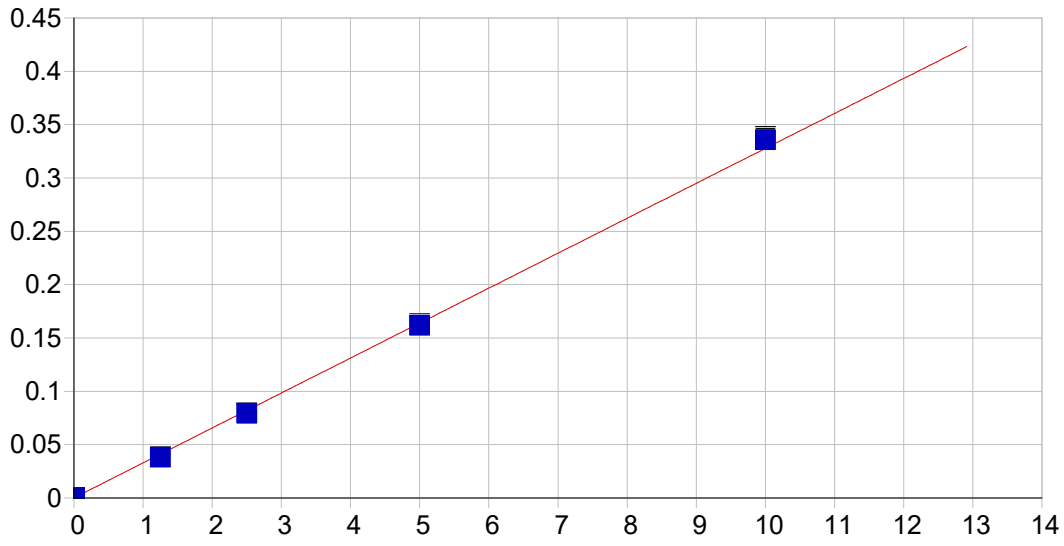
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	23000	D	10/26/2024	2211
7440-36-0	Antimony	1.2	JD	10/26/2024	2211
7440-38-2	Arsenic	44	D*	10/26/2024	2211
7440-39-3	Barium	290	D	10/26/2024	2211
7440-41-7	Beryllium	1.2	D	10/26/2024	2211
7440-43-9	Cadmium	0.60	JD	10/26/2024	2211
7440-70-2	Calcium	10000	D	10/26/2024	2211
7440-47-3	Chromium	43	D	10/26/2024	2211
7440-48-4	Cobalt	24	D	10/26/2024	2211
7440-50-8	Copper	96	D	10/26/2024	2211
7439-89-6	Iron	44000	D	10/26/2024	2211
7439-92-1	Lead	35	D	10/26/2024	2211
7439-95-4	Magnesium	10000	D	10/26/2024	2211
7439-96-5	Manganese	1700	D*	10/26/2024	2211
7440-02-0	Nickel	43	D	10/26/2024	2211
7440-09-7	Potassium	5200	D	10/26/2024	2211
7782-49-2	Selenium	5.6	UD	10/26/2024	2211
7440-22-4	Silver	1.6	UD	10/26/2024	2211
7440-23-5	Sodium	200	JD	10/26/2024	2211
7440-28-0	Thallium	4.0	UD	10/26/2024	2211
7440-62-2	Vanadium	78	D	10/26/2024	2211
7440-66-6	Zinc	100	D	10/26/2024	2211

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

Comments:

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



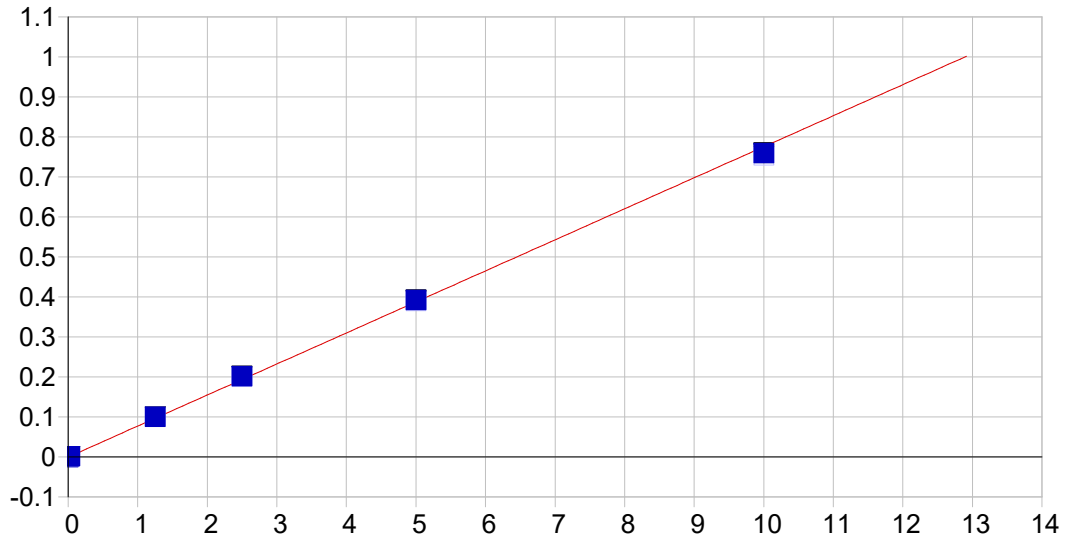
As 189.042 {479}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000166	Re-Slope:	1.000000
A1 (Gain):	0.032758	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999570	Status:	OK.
Std Error of Est:	0.000016		
Predicted MDL:	0.005196		
Predicted MQL:	0.017320		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00017	.000	1
S1	.01000	.01156	.002	15.6	.00055	.000	1
S2	1.2500	1.1619	-.088	-7.05	.03854	.000	1
S3	2.5000	2.4102	-.090	-3.59	.07973	.000	1
S4	5.0000	4.9343	-.066	-1.31	.16303	.001	1
S5	10.000	10.242	.242	2.42	.33813	.001	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

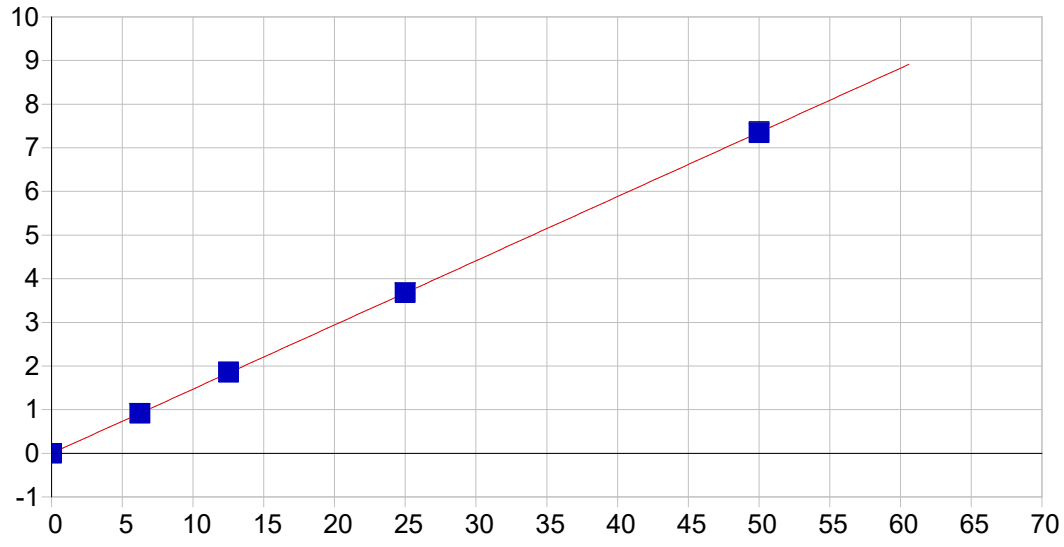


Tl 190.856 {477}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000431	Re-Slope:	1.000000
A1 (Gain):	0.077585	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999703	Status:	OK.
Std Error of Est:	0.000050		
Predicted MDL:	0.002974		
Predicted MQL:	0.009913		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00043	.000	1
S1	.02500	.02609	.001	4.35	.00155	.000	1
S2	1.2500	1.2982	.048	3.86	.09962	.001	1
S3	2.5000	2.6000	.100	4.00	.19995	.001	1
S4	5.0000	5.0599	.060	1.20	.38947	.001	1
S5	10.000	9.7909	-.209	-2.09	.75385	.002	1



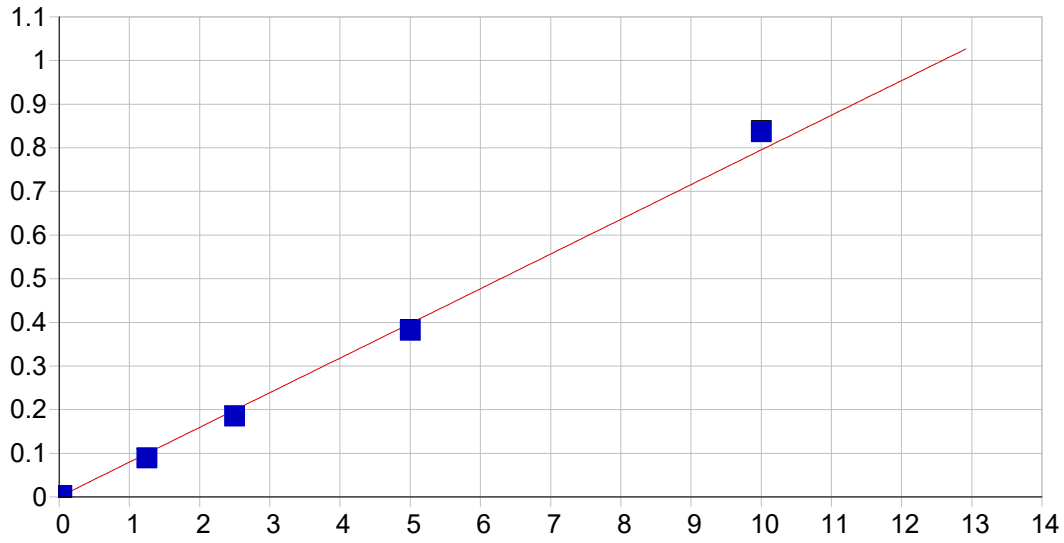
Pb 220.353 {453}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000483	Re-Slope:	1.000000
A1 (Gain):	0.147072	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999989	Status:	OK.
Std Error of Est:	0.000025		
Predicted MDL:	0.003358		
Predicted MQL:	0.011193		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00048	.000	1
S1	.01000	.01205	.002	20.5	.00129	.000	1
S2	6.2500	6.1975	-.052	-.839	.91077	.003	1
S3	12.500	12.613	.113	.907	1.8541	.004	1
S4	25.000	25.004	.004	.018	3.6760	.002	1
S5	50.000	49.933	-.067	-.135	7.3413	.021	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



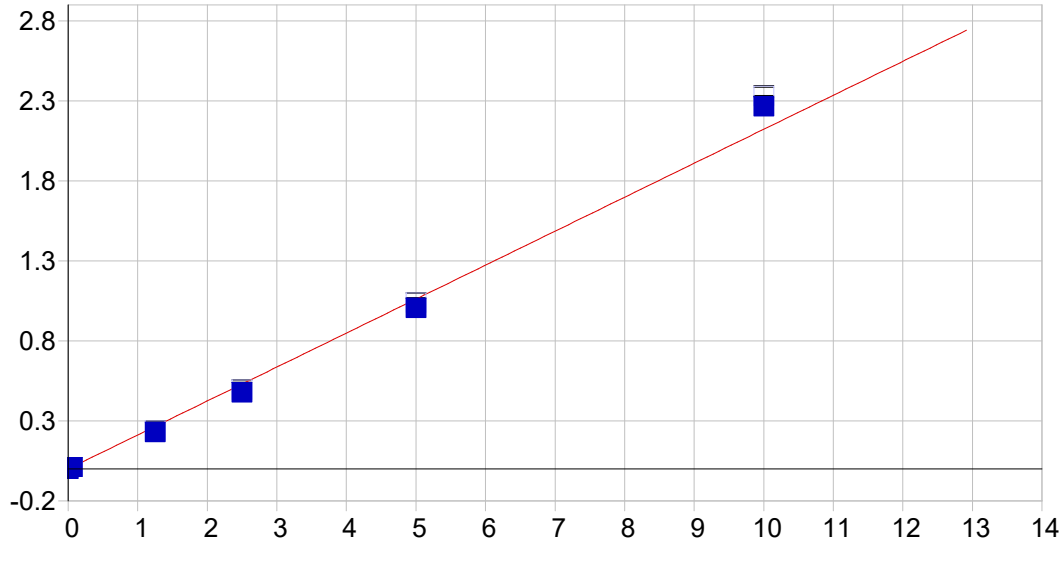
Se 196.090 {472}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000234	Re-Slope:	1.000000
A1 (Gain):	0.079480	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998297	Status:	OK.
Std Error of Est:	0.000145		
Predicted MDL:	0.005244		
Predicted MQL:	0.017479		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00023	.000	1
S1	.03500	.03176	-.003	-9.26	.00276	.000	1
S2	1.2500	1.1135	-.136	-10.9	.08855	.001	1
S3	2.5000	2.3201	-.180	-7.20	.18426	.001	1
S4	5.0000	4.7960	-.204	-4.08	.38066	.002	1
S5	10.000	10.524	.524	5.24	.83513	.003	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



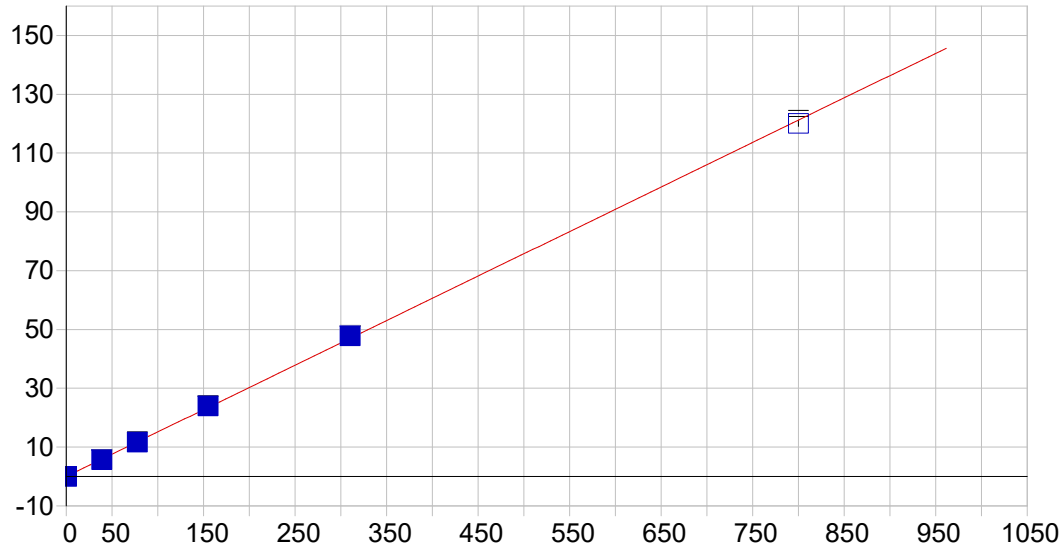
Sb 206.833 {463}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000129	Re-Slope:	1.000000
A1 (Gain):	0.212282	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.997340	Status:	OK.
Std Error of Est:	0.000657		
Predicted MDL:	0.002379		
Predicted MQL:	0.007929		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	-.00013	.000	1
S1	.06000	.05514	-.005	-8.09	.01158	.001	1
S2	1.2500	1.0816	-.168	-13.5	.23731	.002	1
S3	2.5000	2.2549	-.245	-9.81	.49420	.001	1
S4	5.0000	4.7407	-.259	-5.19	1.0376	.002	1
S5	10.000	10.678	.678	6.78	2.3292	.005	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



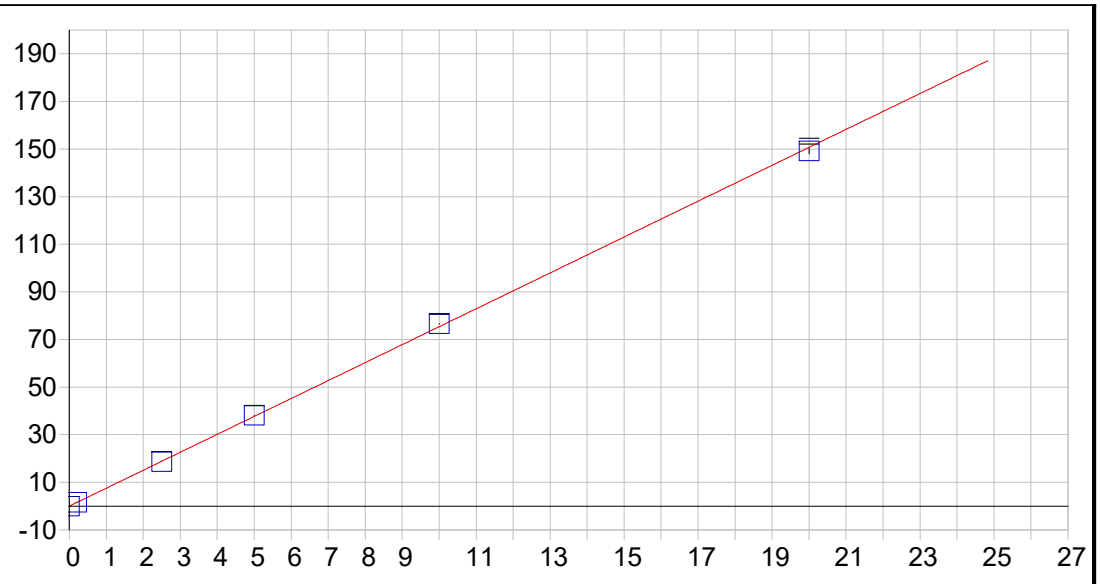
Al 396.152 { 85}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.004567	Re-Slope:	1.000000
A1 (Gain):	0.151499	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999902	Status:	OK.
Std Error of Est:	0.001322		
Predicted MDL:	0.014455		
Predicted MQL:	0.048185		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.00457	.002	1
S1	.20000	.21071	.011	5.35	.02741	.001	1
S2	38.750	37.552	-1.20	-3.09	5.6916	.004	1
S3	77.500	77.097	-.403	-.519	11.690	.028	1
S4	155.00	158.28	3.28	2.11	24.003	.014	1
S5	310.00	315.52	5.52	1.78	47.852	.131	1
S6	800.00	792.79	-7.21	-.902	120.10	1.00	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



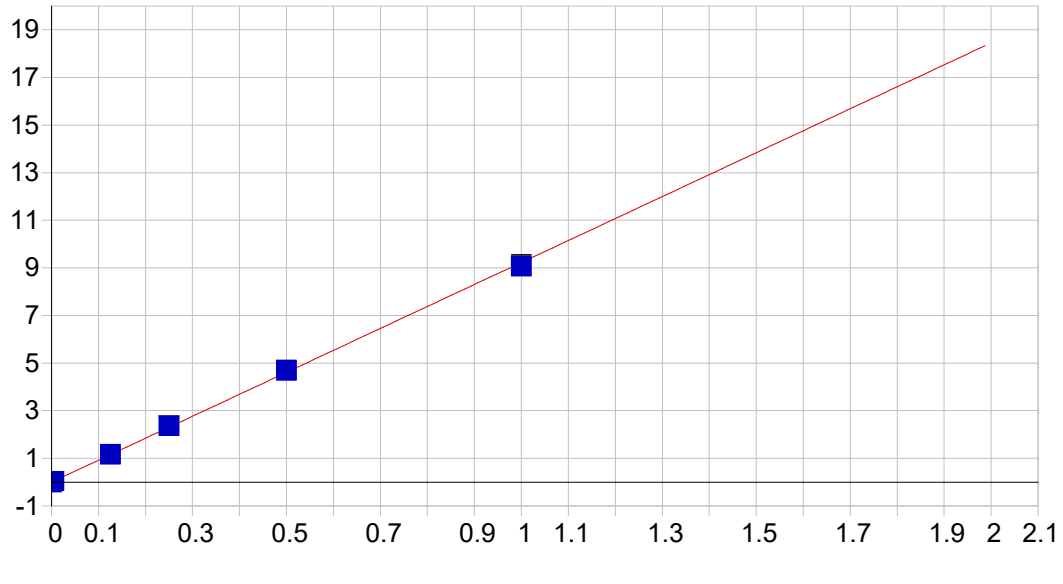
Ba 493.409 { 68}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001238	Re-Slope:	1.000000
A1 (Gain):	7.536449	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999921	Status:	OK.
Std Error of Est:	0.010069		
Predicted MDL:	0.000556		
Predicted MQL:	0.001855		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.00132	.002	1
S1	.20000	.20946	.009	4.73	1.5773	.006	1
S2	2.5000	2.4772	-.023	-.913	18.668	.051	1
S3	5.0000	5.0551	.055	1.10	38.096	.075	1
S4	10.000	10.162	.162	1.62	76.583	.074	1
S5	20.000	19.796	-.204	-1.02	149.19	1.22	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



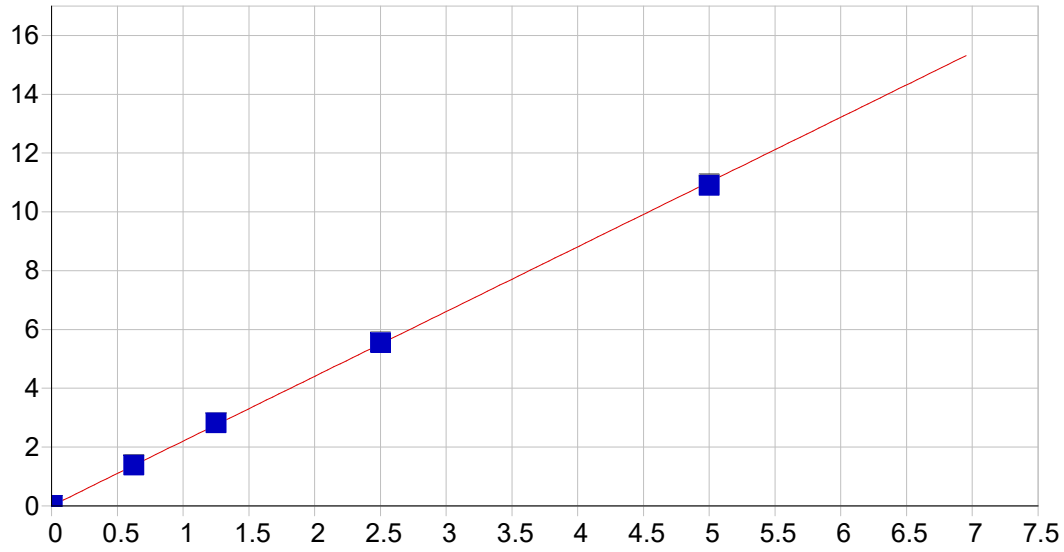
Be 234.861 {144}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001955	Re-Slope:	1.000000
A1 (Gain):	9.227971	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999827	Status:	OK.
Std Error of Est:	0.000643		
Predicted MDL:	0.000134		
Predicted MQL:	0.000448		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00196	.001	1
S1	.00500	.00530	.000	5.94	.04690	.000	1
S2	.12500	.12608	.001	.866	1.1597	.002	1
S3	.25000	.25670	.007	2.68	2.3631	.011	1
S4	.50000	.50883	.009	1.77	4.6861	.011	1
S5	1.0000	.98309	-.017	-1.69	9.0551	.072	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



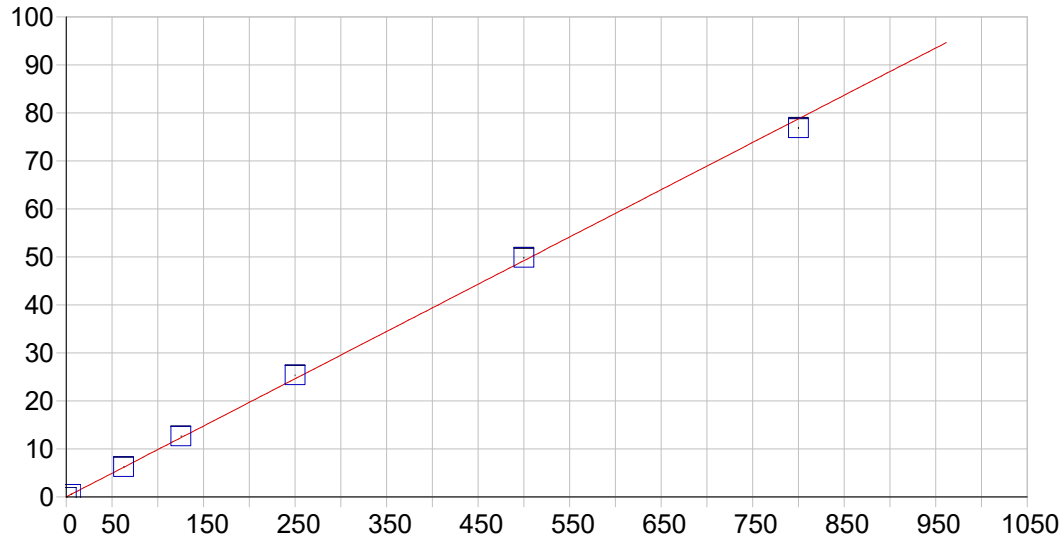
Cd 214.438 {457}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000917	Re-Slope:	1.000000
A1 (Gain):	2.202821	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999917	Status:	OK.
Std Error of Est:	0.000239		
Predicted MDL:	0.000139		
Predicted MQL:	0.000465		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00092	.000	1
S1	.00500	.00528	.000	5.59	.01256	.000	1
S2	.62500	.62947	.004	.715	1.3908	.002	1
S3	1.2500	1.2802	.030	2.42	2.8276	.005	1
S4	2.5000	2.5206	.021	.825	5.5666	.008	1
S5	5.0000	4.9444	-.056	-1.11	10.919	.025	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



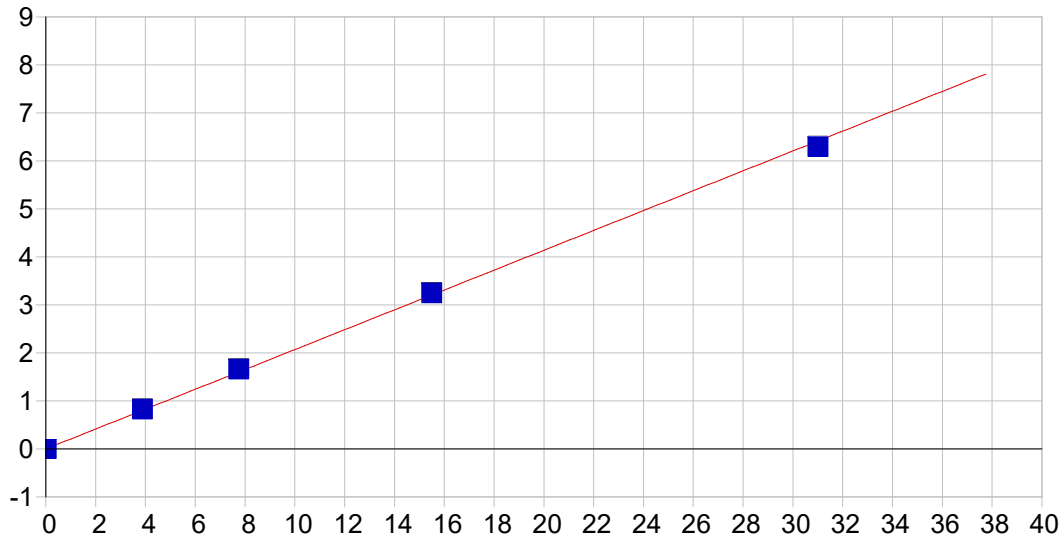
Ca 373.690 { 90}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.006195	Re-Slope:	1.000000
A1 (Gain):	0.098445	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999732	Status:	OK.
Std Error of Est:	0.007958		
Predicted MDL:	0.017744		
Predicted MQL:	0.059147		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00080	-.001	.000	.00612	.001	1
S1	5.0000	5.4731	.473	9.46	.54500	.006	1
S2	62.500	63.518	1.02	1.63	6.2592	.011	1
S3	125.00	128.57	3.57	2.86	12.664	.019	1
S4	250.00	257.80	7.80	3.12	25.385	.020	1
S5	500.00	506.15	6.15	1.23	49.834	.086	1
S6	800.00	780.98	-19.0	-2.38	76.890	.135	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



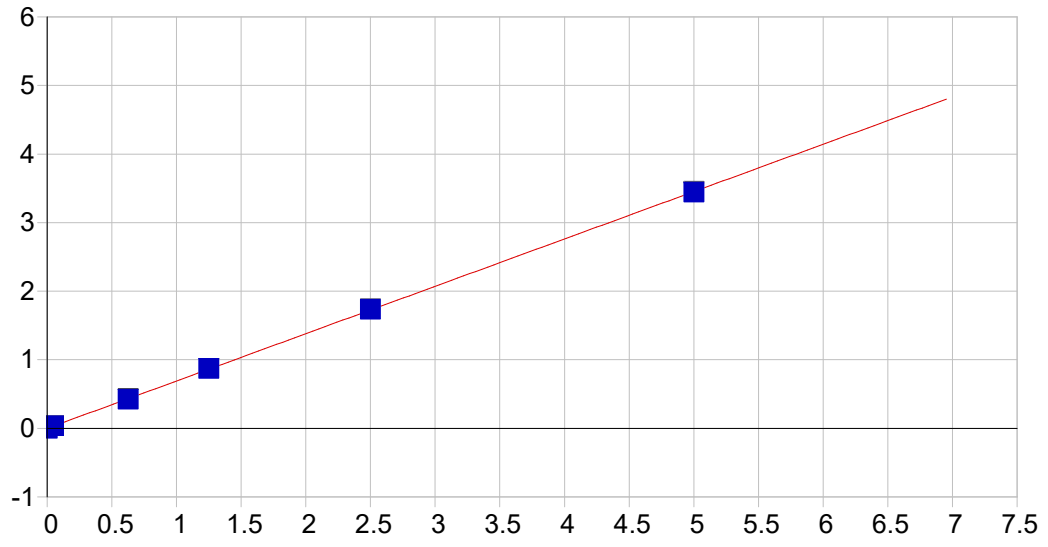
Cr 267.716 {126}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000106	Re-Slope:	1.000000
A1 (Gain):	0.206897	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999773	Status:	OK.
Std Error of Est:	0.000130		
Predicted MDL:	0.000973		
Predicted MQL:	0.003242		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00011	.000	1
S1	.01000	.01042	.000	4.21	.00205	.000	1
S2	3.8750	3.9952	.120	3.10	.82740	.001	1
S3	7.7500	8.0218	.272	3.51	1.6614	.003	1
S4	15.500	15.689	.189	1.22	3.2495	.008	1
S5	31.000	30.418	-.582	-1.88	6.3006	.008	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



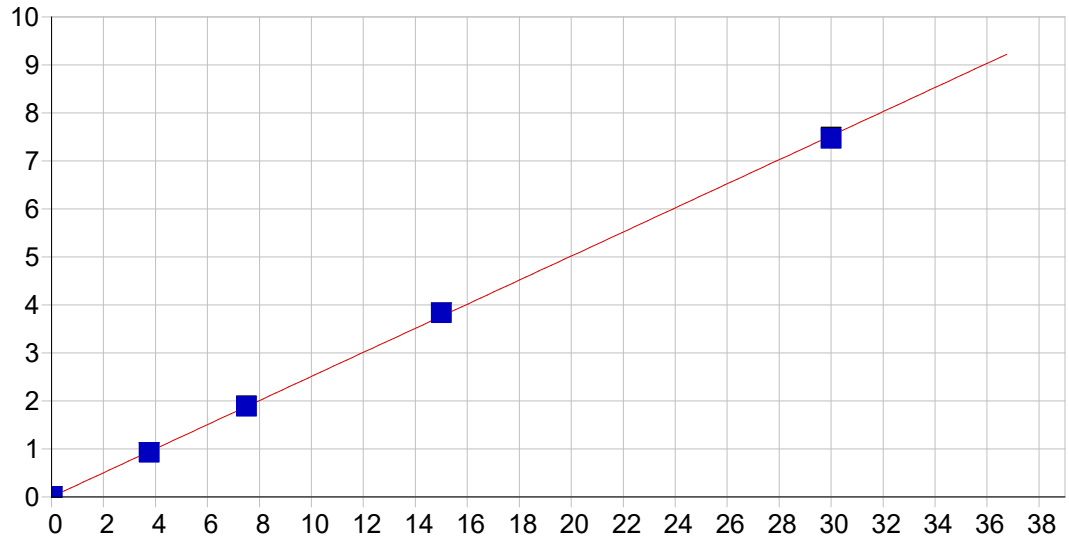
Co 228.616 {448}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000493	Re-Slope:	1.000000
A1 (Gain):	0.690522	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999982	Status:	OK.
Std Error of Est:	0.000110		
Predicted MDL:	0.000517		
Predicted MQL:	0.001724		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00049	.000	1
S1	.05000	.05014	.000	.281	.03425	.001	1
S2	.62500	.61621	-.009	-1.41	.42554	.001	1
S3	1.2500	1.2602	.010	.816	.87075	.000	1
S4	2.5000	2.5142	.014	.567	1.7377	.000	1
S5	5.0000	4.9843	-.016	-.314	3.4455	.009	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



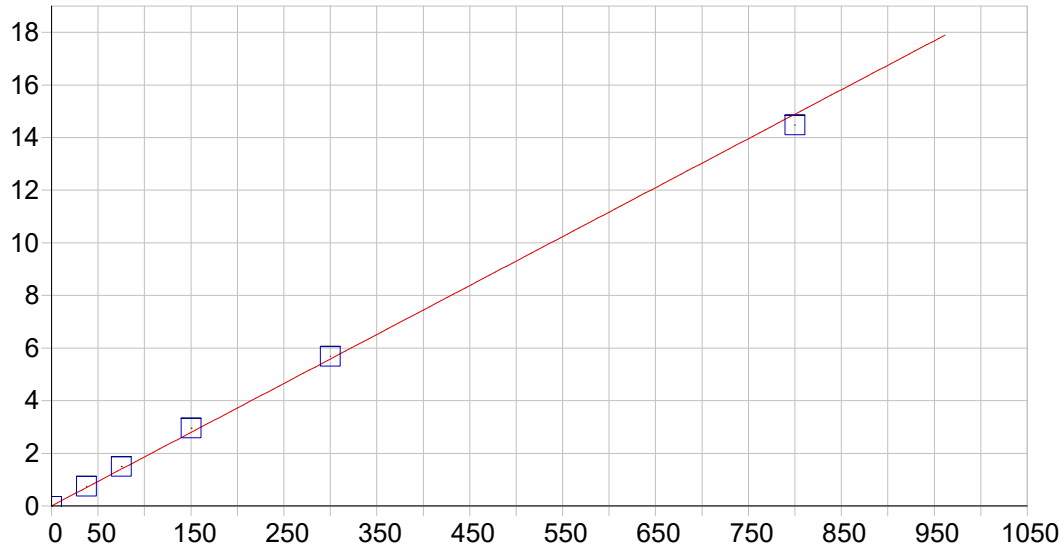
Cu 324.754 {104}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001595	Re-Slope:	1.000000
A1 (Gain):	0.250814	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999923	Status:	OK.
Std Error of Est:	0.000143		
Predicted MDL:	0.004241		
Predicted MQL:	0.014135		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00159	.001	1
S1	.02500	.02701	.002	8.06	.00837	.001	1
S2	3.7500	3.6824	-.068	-1.80	.92460	.003	1
S3	7.5000	7.5034	.003	.046	1.8824	.009	1
S4	15.000	15.289	.289	1.93	3.8340	.005	1
S5	30.000	29.773	-.227	-.757	7.4642	.026	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



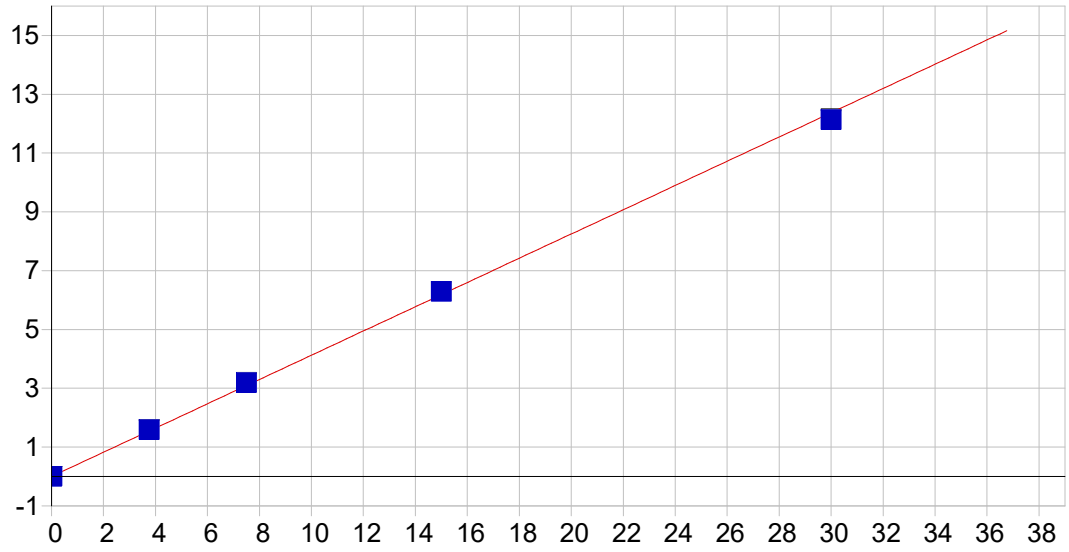
Fe 259.837 {130}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000333	Re-Slope:	1.000000
A1 (Gain):	0.018611	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999333	Status:	OK.
Std Error of Est:	0.000297		
Predicted MDL:	0.026613		
Predicted MQL:	0.088711		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00005	-.000	.000	.00033	.000	1
S1	.10000	.12738	.027	27.4	.00270	.000	1
S2	37.500	39.989	2.49	6.64	.74458	.007	1
S3	75.000	80.423	5.42	7.23	1.4971	.004	1
S4	150.00	158.97	8.97	5.98	2.9590	.002	1
S5	300.00	305.40	5.40	1.80	5.6841	.005	1
S6	800.00	777.69	-22.3	-2.79	14.474	.017	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



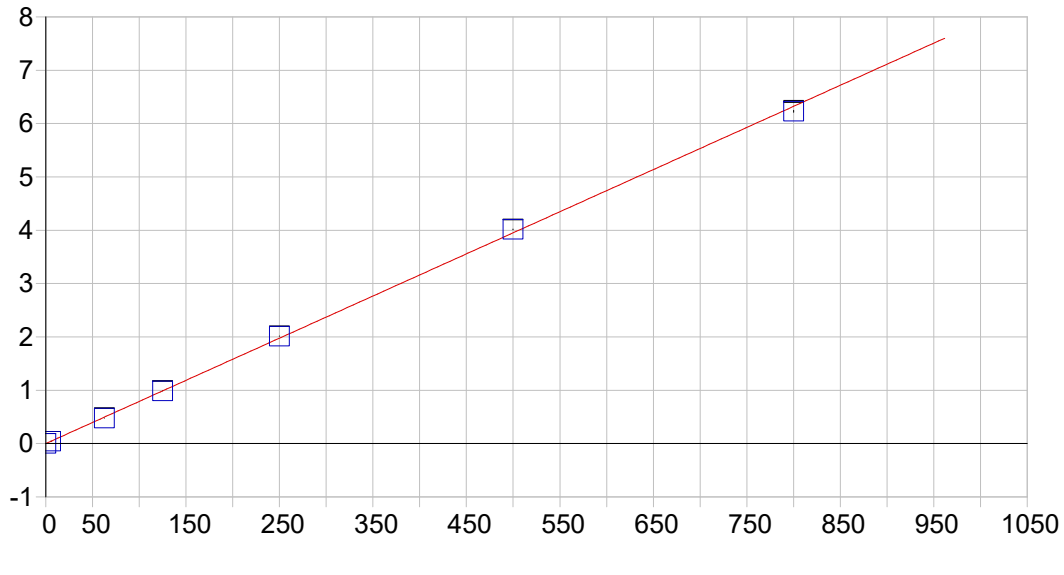
Mn 257.610 {131}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000217	Re-Slope:	1.000000
A1 (Gain):	0.412413	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999773	Status:	OK.
Std Error of Est:	0.000313		
Predicted MDL:	0.001275		
Predicted MQL:	0.004251		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00022	.001	1
S1	.01500	.01765	.003	17.7	.00708	.001	1
S2	3.7500	3.8438	.094	2.50	1.5853	.002	1
S3	7.5000	7.7340	.234	3.12	3.1898	.009	1
S4	15.000	15.250	.250	1.67	6.2902	.005	1
S5	30.000	29.419	-.581	-1.94	12.134	.027	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



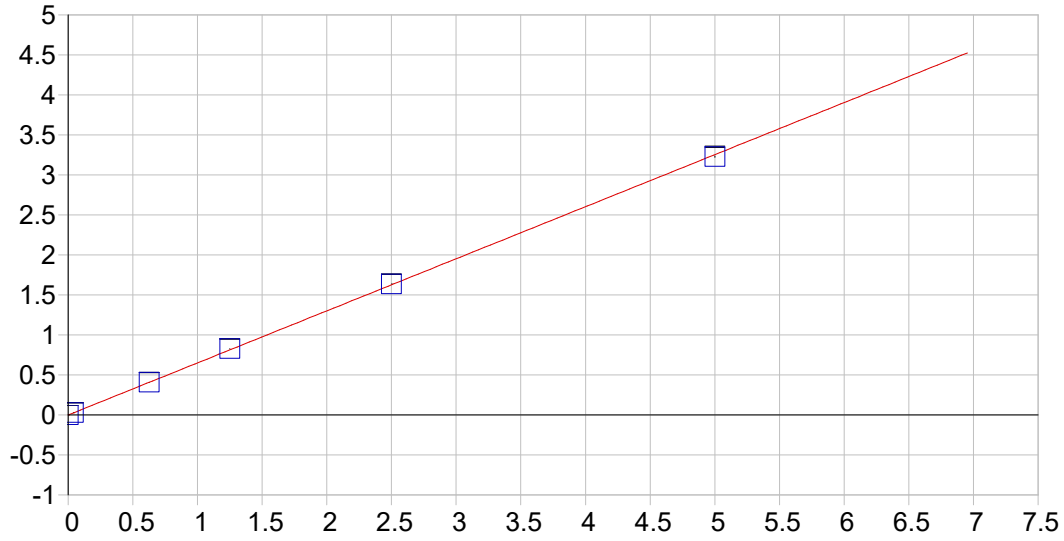
Mg 279.079 {121}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000319	Re-Slope:	1.000000
A1 (Gain):	0.007902	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999857	Status:	OK.
Std Error of Est:	0.000467		
Predicted MDL:	0.074004		
Predicted MQL:	0.246680		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00044	-.000	.000	-.00032	.001	1
S1	5.0000	5.4898	.490	9.80	.04306	.001	1
S2	62.500	60.608	-1.89	-3.03	.47862	.001	1
S3	125.00	124.92	-.075	-.060	.98687	.003	1
S4	250.00	254.91	4.91	1.96	2.0140	.003	1
S5	500.00	508.10	8.10	1.62	4.0148	.006	1
S6	800.00	788.47	-11.5	-1.44	6.2304	.020	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



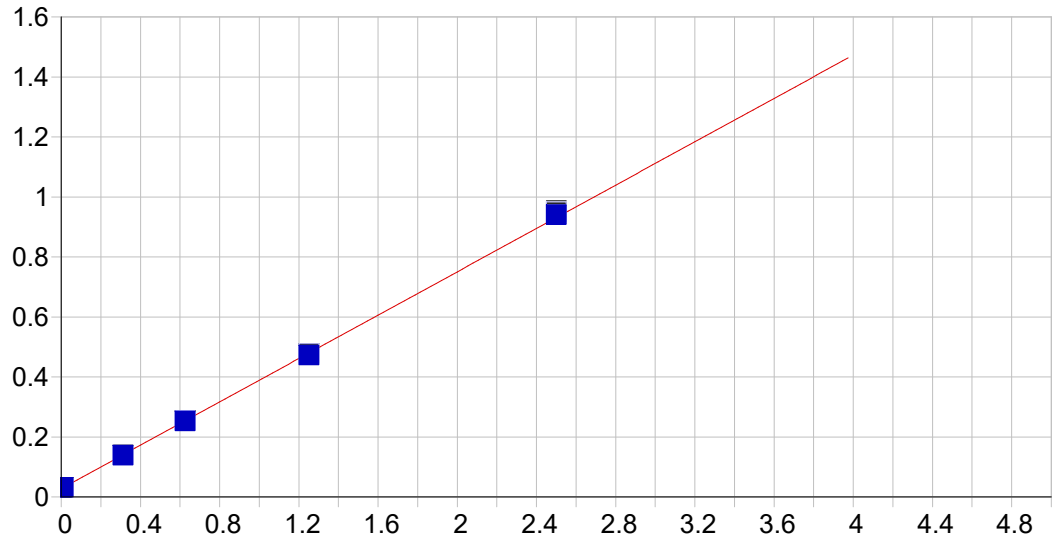
Ni 231.604 {446}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000662	Re-Slope:	1.000000
A1 (Gain):	0.650786	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999954	Status:	OK.
Std Error of Est:	0.000149		
Predicted MDL:	0.000585		
Predicted MQL:	0.001950		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00066	.000	1
S1	.04000	.04254	.003	6.35	.02702	.000	1
S2	.62500	.62515	.000	.023	.40617	.001	1
S3	1.2500	1.2704	.020	1.63	.82609	.002	1
S4	2.5000	2.5149	.015	.595	1.6360	.000	1
S5	5.0000	4.9621	-.038	-.759	3.2286	.008	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



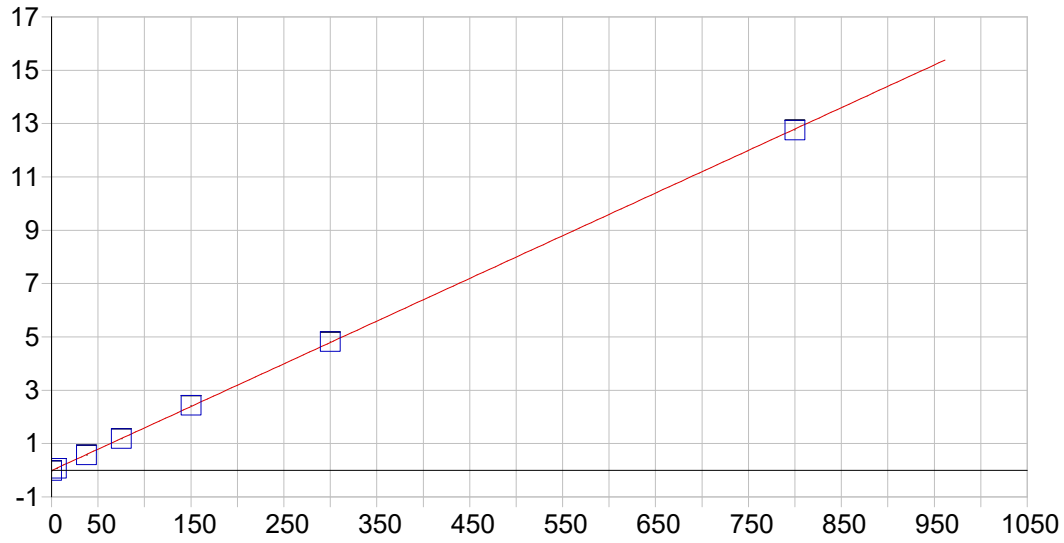
Ag 328.068 {103}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.027923	Re-Slope:	1.000000
A1 (Gain):	0.361209	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999910	Status:	OK.
Std Error of Est:	0.000041		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.02792	.000	1
S1	.01000	.01109	.001	10.9	.03192	.000	1
S2	.31250	.30540	-.007	-2.27	.13945	.001	1
S3	.62500	.62172	-.003	-.525	.25492	.000	1
S4	1.2500	1.2319	-.018	-1.45	.47776	.000	1
S5	2.5000	2.5274	.027	1.10	.95057	.003	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



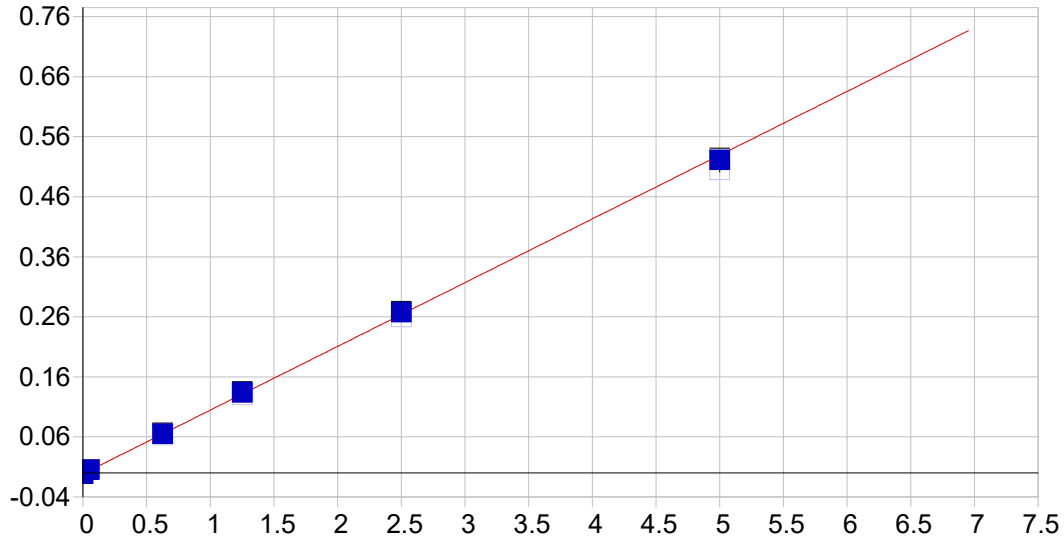
Na 818.326 { 41}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.012505	Re-Slope:	1.000000
A1 (Gain):	0.016011	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999966	Status:	OK.
Std Error of Est:	0.000411		
Predicted MDL:	0.297303		
Predicted MQL:	0.991011		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00018	.000	.000	-.01250	.001	1
S1	5.0000	4.8910	-.109	-2.18	.06580	.003	1
S2	37.500	36.422	-1.08	-2.88	.57064	.001	1
S3	75.000	74.639	-.361	-.481	1.1825	.003	1
S4	150.00	152.57	2.57	1.71	2.4303	.007	1
S5	300.00	301.47	1.47	.490	4.8143	.007	1
S6	800.00	797.51	-2.49	-.312	12.756	.003	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



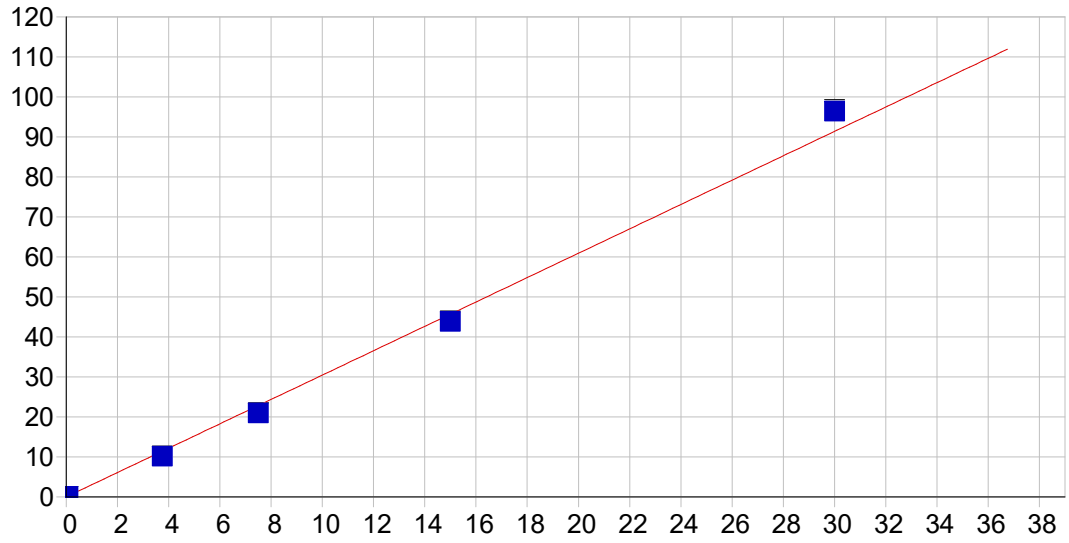
V 292.402 {115}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001553	Re-Slope:	1.000000
A1 (Gain):	0.106169	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999641	Status:	OK.
Std Error of Est:	0.000073		
Predicted MDL:	0.010042		
Predicted MQL:	0.033475		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00002	-.000	.000	-.00156	.000	1
S1	.05000	.06450	.014	29.0	.00528	.000	1
S2	.62500	.62778	.003	.445	.06306	.002	1
S3	1.2500	1.2743	.024	1.94	.12966	.002	1
S4	2.5000	2.5350	.035	1.40	.25943	.002	1
S5	5.0000	4.9231	-.077	-1.54	.50482	.004	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

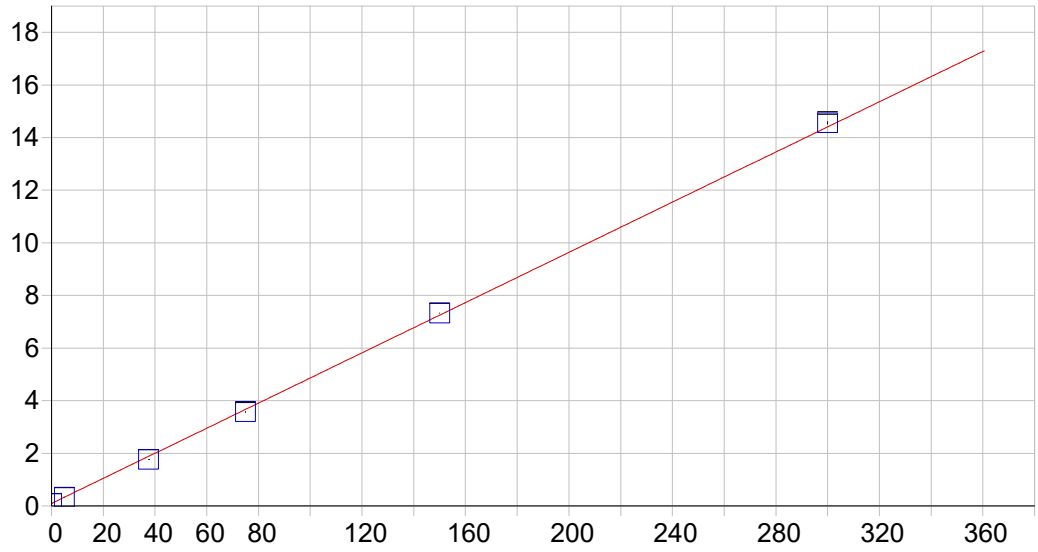


Zn 213.856 {158}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002443	Re-Slope:	1.000000
A1 (Gain):	3.045699	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998104	Status:	OK.
Std Error of Est:	0.013380		
Predicted MDL:	0.000449		
Predicted MQL:	0.001496		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00249	.000	1
S1	.06000	.05535	-.005	-7.75	.17190	.002	1
S2	3.7500	3.3299	-.420	-11.2	10.158	.021	1
S3	7.5000	6.8806	-.619	-8.26	20.986	.100	1
S4	15.000	14.390	-.610	-4.07	43.884	.082	1
S5	30.000	31.655	1.65	5.52	96.523	.298	1



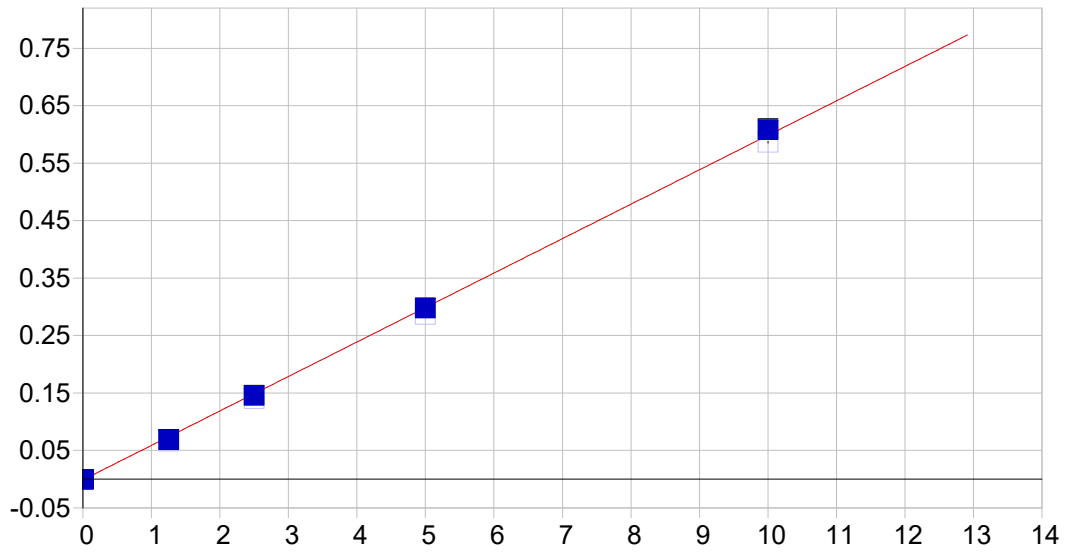
K 769.896 { 44}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.092259	Re-Slope:	1.000000
A1 (Gain):	0.047725	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999757	Status:	OK.
Std Error of Est:	0.002170		
Predicted MDL:	0.129523		
Predicted MQL:	0.431744		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00054	.001	.000	.09228	.002	1
S1	5.0000	4.8234	-.177	-3.53	.32246	.005	1
S2	37.500	35.017	-2.48	-6.62	1.7634	.002	1
S3	75.000	72.952	-2.05	-2.73	3.5739	.018	1
S4	150.00	151.56	1.56	1.04	7.3253	.009	1
S5	300.00	303.15	3.15	1.05	14.560	.043	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



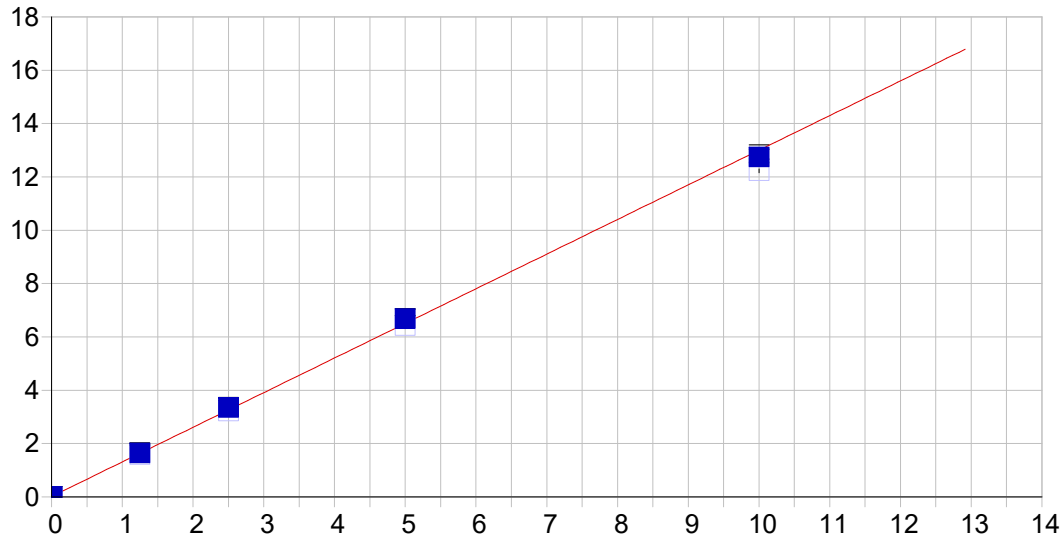
P 177.495 {490}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001163	Re-Slope:	1.000000
A1 (Gain):	0.059970	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999713	Status:	OK.
Std Error of Est:	0.000023		
Predicted MDL:	0.003282		
Predicted MQL:	0.010939		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00116	.000	1
S1	.01000	.00860	-.001	-14.0	-.00066	.000	1
S2	1.2500	1.1651	-.085	-6.79	.06595	.000	1
S3	2.5000	2.4429	-.057	-2.29	.13982	.001	1
S4	5.0000	4.9806	-.019	-.389	.28650	.001	1
S5	10.000	10.163	.163	1.63	.58625	.002	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



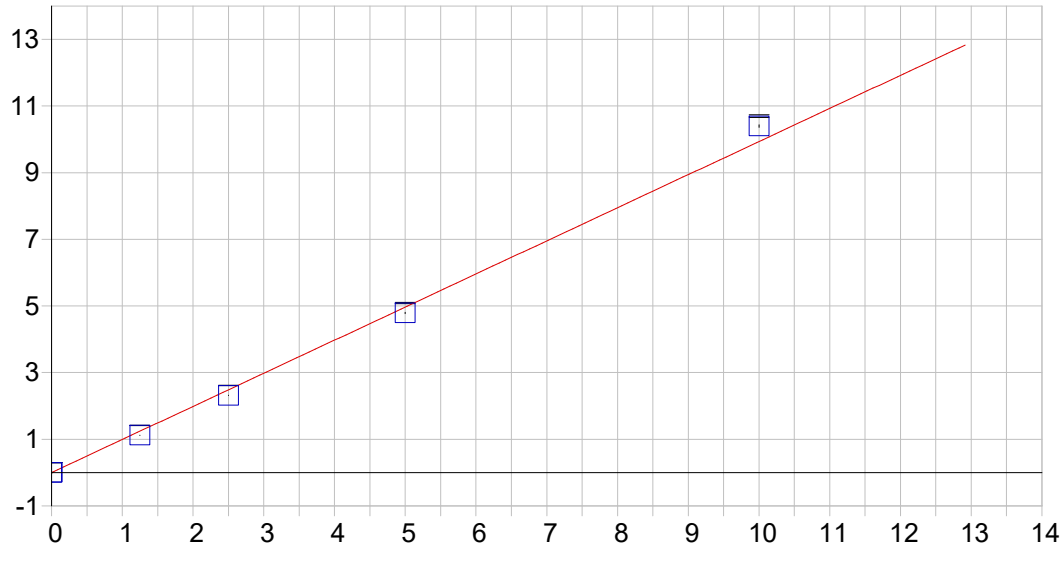
B 249.678 {135}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.013682	Re-Slope:	1.000000
A1 (Gain):	1.298695	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999373	Status:	OK.
Std Error of Est:	0.000741		
Predicted MDL:	0.001099		
Predicted MQL:	0.003662		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.01370	.001	1
S1	.01000	-.00125	-.011	-112.	.01194	.000	1
S2	1.2500	1.2559	.006	.475	1.5792	.007	1
S3	2.5000	2.5640	.064	2.56	3.2125	.022	1
S4	5.0000	5.1349	.135	2.70	6.4202	.006	1
S5	10.000	9.8068	-.193	-1.93	12.226	.075	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



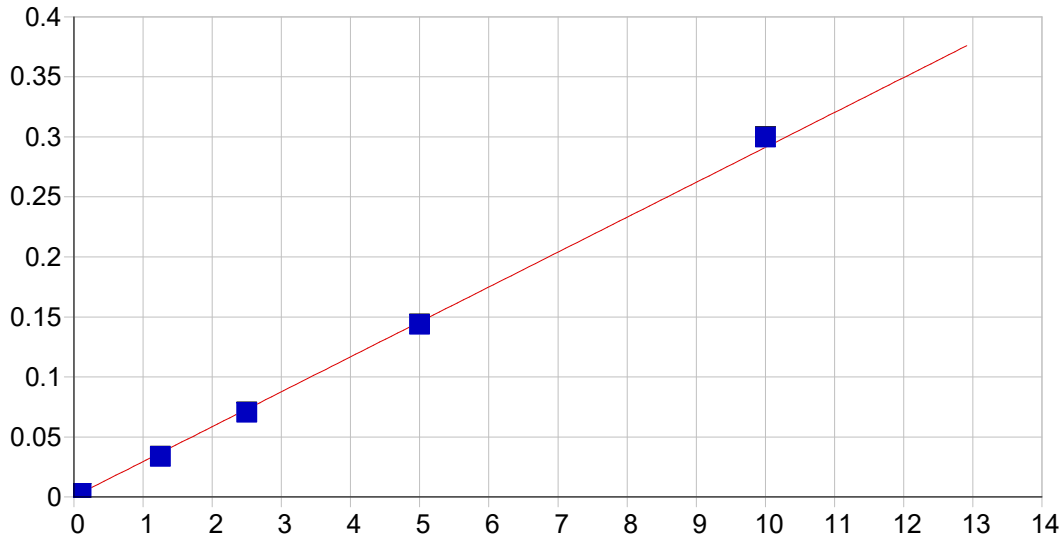
Mo 202.030 {467}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000378	Re-Slope:	1.000000
A1 (Gain):	0.993465	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998645	Status:	OK.
Std Error of Est:	0.000868		
Predicted MDL:	0.000456		
Predicted MQL:	0.001520		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00038	.000	1
S1	.01000	.00972	-.000	-2.76	.00928	.001	1
S2	1.2500	1.1268	-.123	-9.85	1.1191	.004	1
S3	2.5000	2.3330	-.167	-6.68	2.3173	.002	1
S4	5.0000	4.8259	-.174	-3.48	4.7940	.019	1
S5	10.000	10.465	.465	4.65	10.396	.037	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



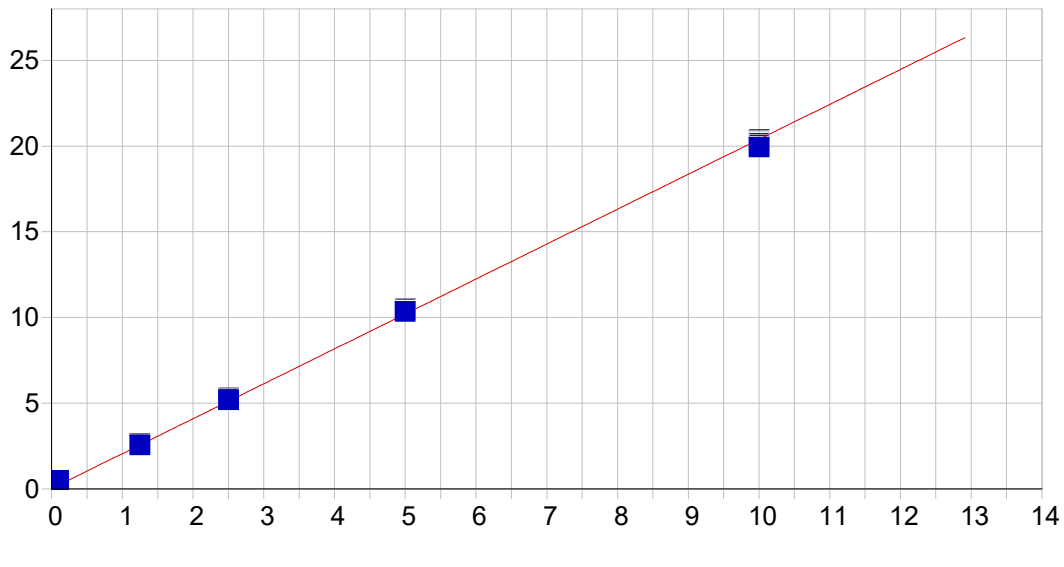
S 182.034 {485}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000360	Re-Slope:	1.000000
A1 (Gain):	0.029090	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999336	Status:	OK.
Std Error of Est:	0.000056		
Predicted MDL:	0.006525		
Predicted MQL:	0.021751		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00003	.000	.000	.00036	.000	1
S1	.10000	.08594	-.014	-14.1	.00286	.000	1
S2	1.2500	1.1403	-.110	-8.77	.03353	.000	1
S3	2.5000	2.4035	-.097	-3.86	.07028	.000	1
S4	5.0000	4.9262	-.074	-1.48	.14367	.000	1
S5	10.000	10.294	.294	2.94	.29984	.000	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



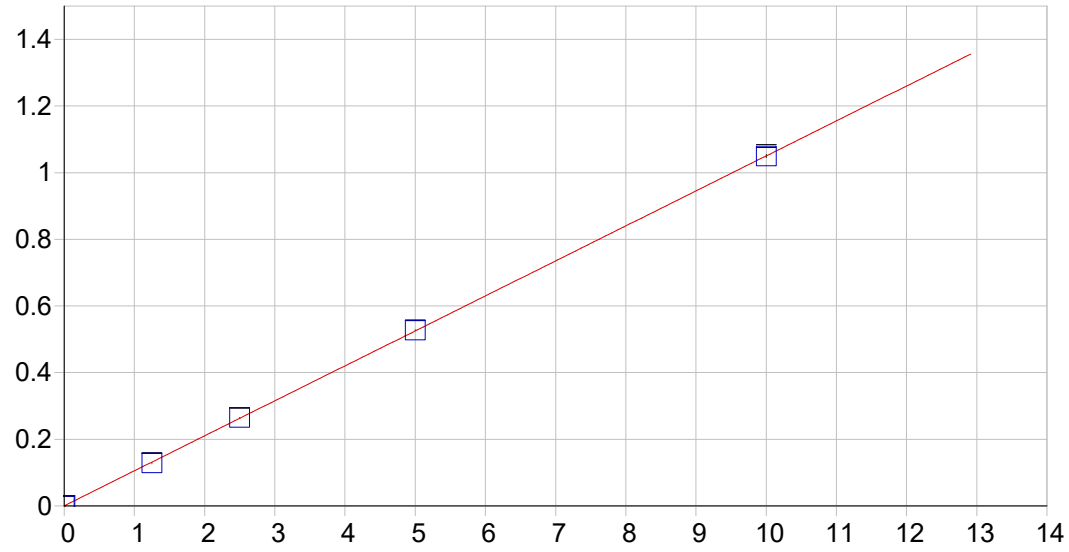
Si 251.611 {134}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.017454	Re-Slope:	1.000000
A1 (Gain):	2.037573	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.995639	Status:	OK.
Std Error of Est:	0.010309		
Predicted MDL:	0.000599		
Predicted MQL:	0.001998		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00013	-.000	.000	.01719	.001	1
S1	.10000	.22811	.128	128.	.48361	.002	1
S2	1.2500	1.2499	-.000	-.011	2.6053	.019	1
S3	2.5000	2.5352	.035	1.41	5.2655	.028	1
S4	5.0000	5.0662	.066	1.32	10.505	.008	1
S5	10.000	9.7718	-.228	-2.28	20.258	.113	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



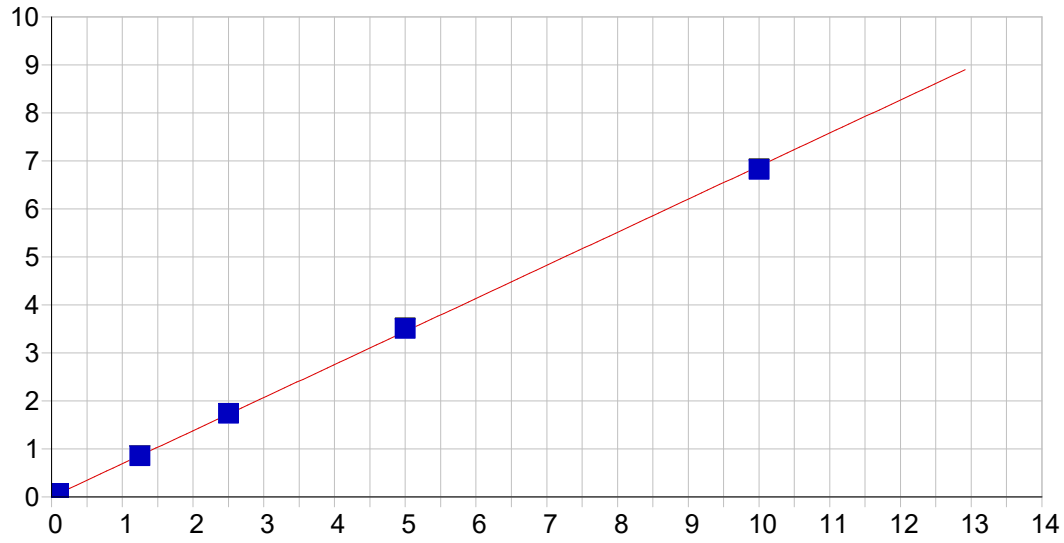
Sn 189.989 {478}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000306	Re-Slope:	1.000000
A1 (Gain):	0.104994	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999962	Status:	OK.
Std Error of Est:	0.000013		
Predicted MDL:	0.001813		
Predicted MQL:	0.006044		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00031	.000	1
S1	.00700	.00491	-.002	-29.8	.00082	.000	1
S2	1.2500	1.2223	-.028	-2.22	.12864	.001	1
S3	2.5000	2.5170	.017	.679	.26457	.001	1
S4	5.0000	5.0180	.018	.361	.52717	.001	1
S5	10.000	9.9948	-.005	-.052	1.0497	.004	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



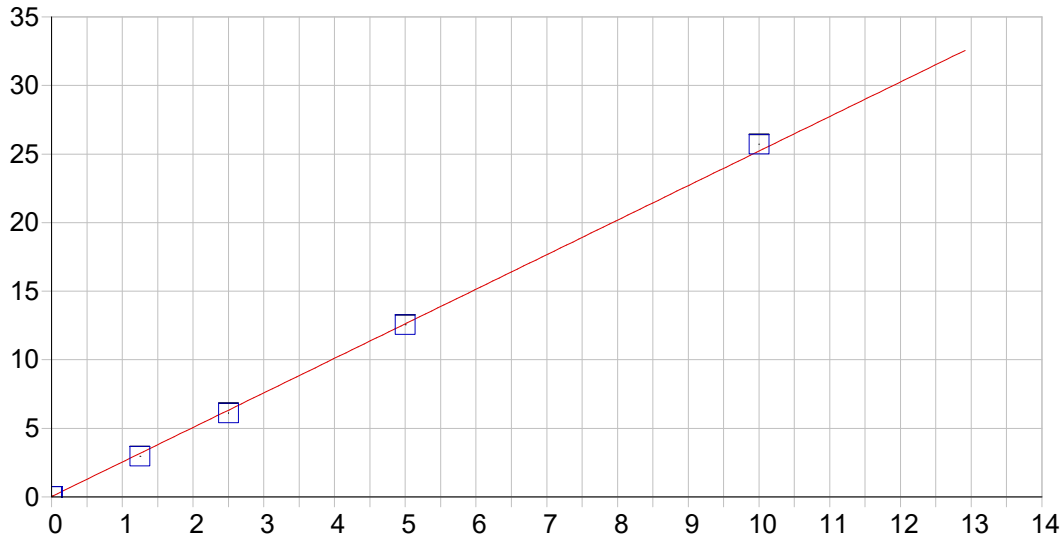
Ti 336.121 {100}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001728	Re-Slope:	1.000000
A1 (Gain):	0.688985	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999921	Status:	OK.
Std Error of Est:	0.000461		
Predicted MDL:	0.001788		
Predicted MQL:	0.005961		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00173	.001	1
S1	.10000	.10224	.002	2.24	.07215	.001	1
S2	1.2500	1.2403	-.010	-.775	.85585	.002	1
S3	2.5000	2.5186	.019	.742	1.7361	.006	1
S4	5.0000	5.0915	.091	1.83	3.5079	.008	1
S5	10.000	9.8974	-.103	-1.03	6.8175	.010	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



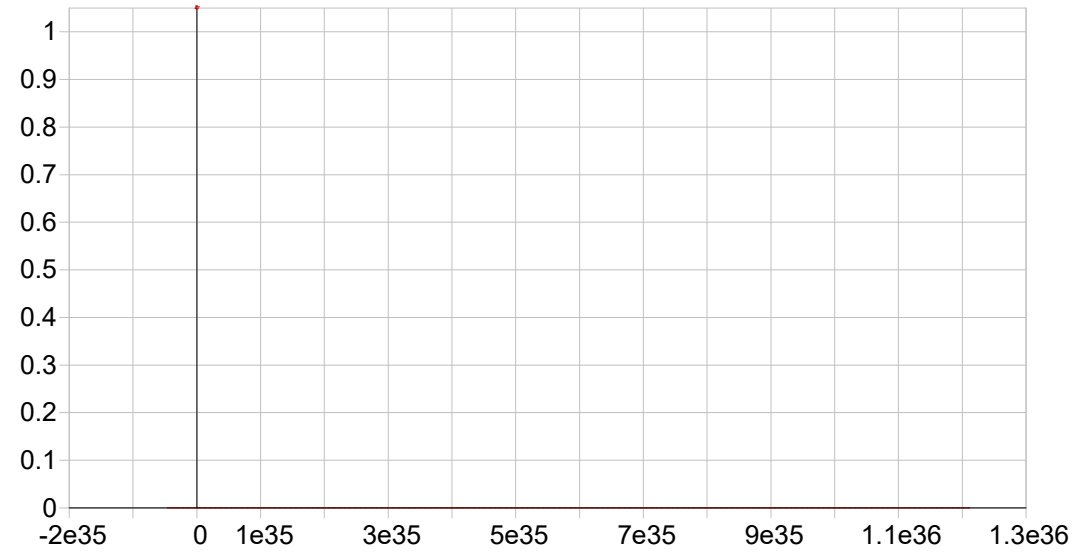
Li 670.784 { 50}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.026106	Re-Slope:	1.000000
A1 (Gain):	2.519184	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999661	Status:	OK.
Std Error of Est:	0.001348		
Predicted MDL:	0.001883		
Predicted MQL:	0.006276		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.02611	.006	1
S5	10.000	10.196	.196	1.96	25.711	.032	1
S4	5.0000	4.9762	-.024	-.476	12.562	.002	1
S3	2.5000	2.4141	-.086	-3.44	6.1076	.022	1
S2	1.2500	1.1656	-.084	-6.76	2.9624	.002	1
S1	.01500	.01355	-.001	-9.68	.06024	.002	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

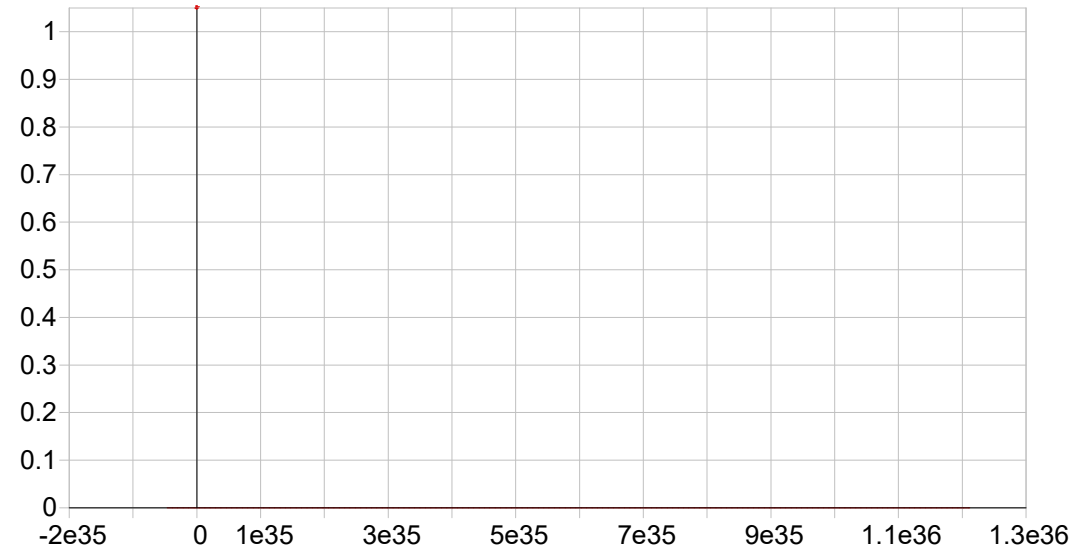


Y 224.306 {450}*

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}*

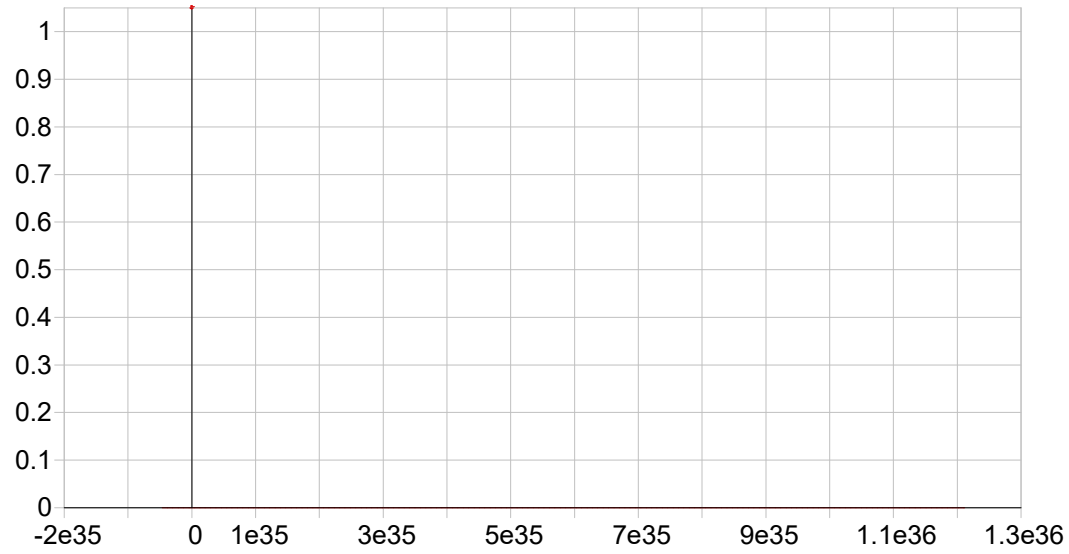
Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

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

Reviewed By:Mohan
On:11/5/2024 7:53:12 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



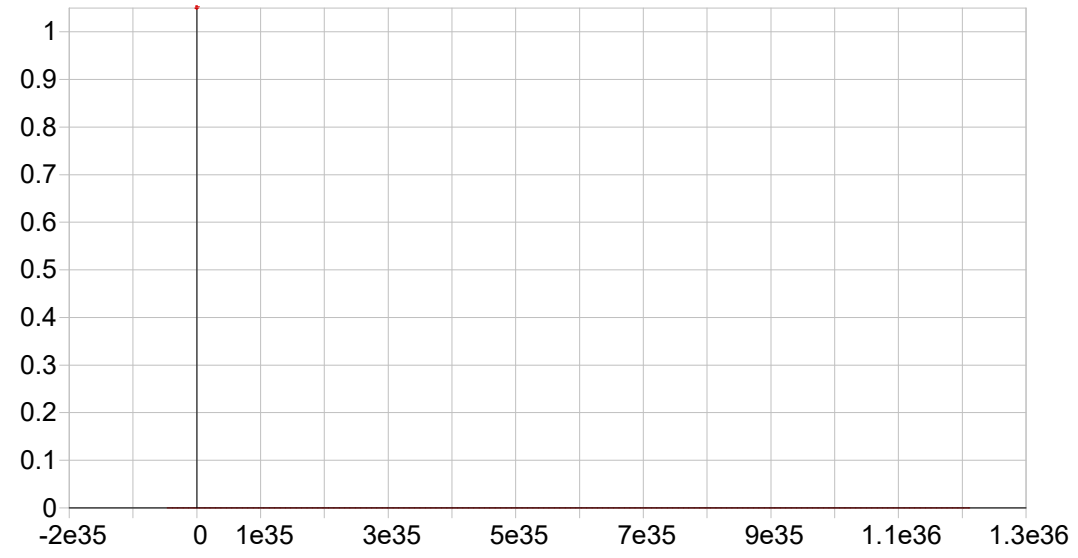
Y 371.030 { 91}*

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

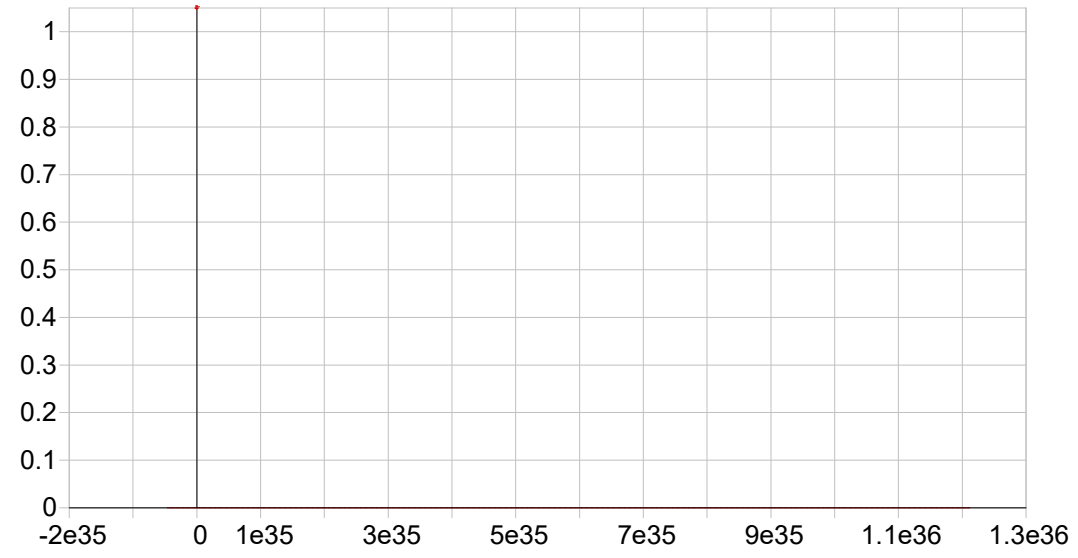
Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



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



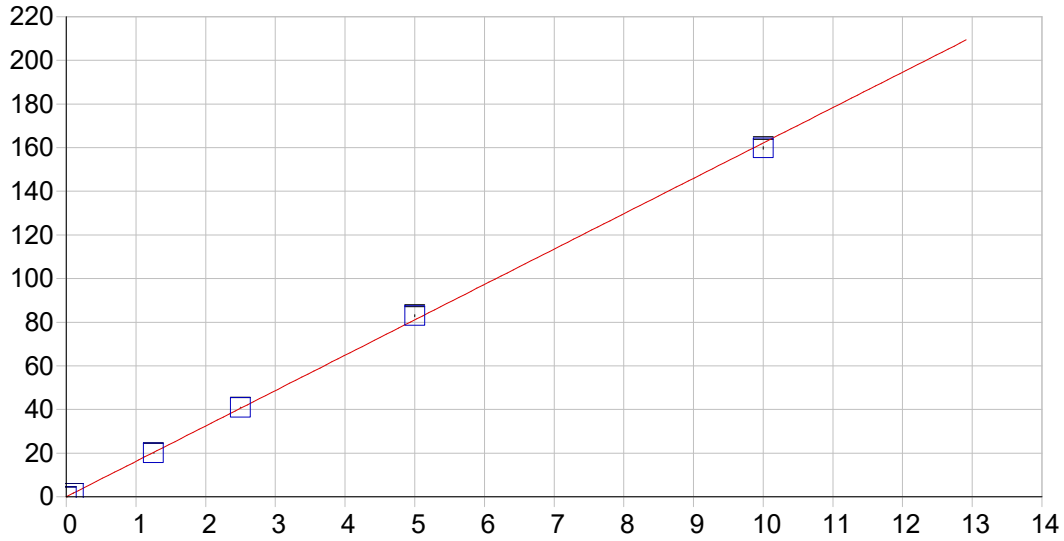
In 230.606 {446}*

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:11/5/2024 7:53:12 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



Sr 407.771 { 83}

Date of Fit:	10/26/2024 18:50:18	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.003097	Re-Slope:	1.000000
A1 (Gain):	16.213490	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999852	Status:	OK.
Std Error of Est:	0.014804		
Predicted MDL:	0.000122		
Predicted MQL:	0.000406		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00301	.001	1
S1	.10000	.10457	.005	4.57	1.6986	.012	1
S2	1.2500	1.2371	-.013	-1.03	20.061	.026	1
S3	2.5000	2.5269	.027	1.08	40.973	.122	1
S4	5.0000	5.1217	.122	2.43	83.044	.477	1
S5	10.000	9.8597	-.140	-1.40	159.86	.644	1

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S0 Acquired: 10/26/2024 18:18:36 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) 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	.00017	-.00043	-.00048	.00023	-.00013	-.00457	-.00132	-.00196
Stddev	.00001	.00001	.00020	.00003	.00015	.00182	.00223	.00063
%RSD	8.4681	3.0789	42.388	12.161	115.66	39.904	168.65	32.302
#1	.00017	-.00045	-.00034	.00021	-.00010	-.00379	.00115	-.00269
#2	.00018	-.00042	-.00040	.00026	.00001	-.00326	-.00317	-.00157
#3	.00015	-.00043	-.00072	.00024	-.00028	-.00665	-.00195	-.00162

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	.00092	.00612	-.00011	-.00049	.00159	.00033	-.00022	-.00032
Stddev	.00043	.00114	.00013	.00009	.00053	.00017	.00056	.00059
%RSD	47.072	18.674	126.02	19.120	33.420	49.995	257.27	181.38
#1	.00129	.00484	-.00025	-.00060	.00210	.00037	-.00043	.00002
#2	.00101	.00705	-.00009	-.00045	.00104	.00048	.00042	.00001
#3	.00045	.00646	.00002	-.00043	.00164	.00015	-.00064	-.00100

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	-.00066	.02792	-.01250	-.00156	.00249	.09228	-.00116	.01370
Stddev	.00011	.00015	.00127	.00019	.00036	.00159	.00013	.00107
%RSD	16.321	.52783	10.183	12.048	14.376	1.7281	10.961	7.8265
#1	-.00057	.02775	-.01202	-.00159	.00268	.09364	-.00130	.01416
#2	-.00064	.02802	-.01154	-.00173	.00271	.09268	-.00106	.01445
#3	-.00078	.02799	-.01395	-.00135	.00208	.09053	-.00113	.01247

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00038	.00036	.01719	.00031	.00173	.02611	.00301
Stddev	.00031	.00020	.00064	.00006	.00117	.00560	.00134
%RSD	83.128	54.604	3.7427	21.007	67.890	21.463	44.573
#1	-.00056	.00028	.01793	.00026	.00286	.02885	.00429
#2	-.00002	.00058	.01678	.00028	.00052	.01967	.00310
#3	-.00056	.00021	.01687	.00038	.00180	.02982	.00162

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S0 Acquired: 10/26/2024 18:18:36 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) 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	966.15	21704.	1987.1	794.89	1784.5
Stddev	.60	20.	12.2	2.88	2.0
%RSD	.06218	.09022	.61497	.36249	.11206
#1	965.47	21701.	1987.1	797.38	1782.4
#2	966.37	21725.	1999.2	791.73	1786.4
#3	966.60	21686.	1974.8	795.56	1784.7

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S1 Acquired: 10/26/2024 18:23:16 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) 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	.00055	.00155	.00129	.00276	.01158	.02741	1.5773	.04690
Stddev	.00007	.00014	.00042	.00038	.00058	.00088	.0058	.00040
%RSD	12.197	8.8893	32.772	13.935	4.9793	3.2063	.36977	.85606
#1	.00053	.00170	.00157	.00307	.01188	.02663	1.5833	.04655
#2	.00062	.00150	.00080	.00233	.01091	.02723	1.5716	.04734
#3	.00049	.00144	.00151	.00287	.01194	.02837	1.5771	.04680

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	.01256	.54500	.00205	.03425	.00837	.00270	.00708	.04306
Stddev	.00020	.00586	.00007	.00055	.00095	.00047	.00055	.00078
%RSD	1.5629	1.0754	3.3989	1.5991	11.367	17.205	7.7711	1.8017
#1	.01268	.55117	.00197	.03373	.00850	.00324	.00672	.04364
#2	.01265	.54432	.00210	.03420	.00736	.00240	.00680	.04218
#3	.01233	.53950	.00209	.03482	.00925	.00247	.00771	.04337

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	.02702	.03192	.06580	.00528	.17190	.32246	-.00066	.01194
Stddev	.00044	.00018	.00257	.00026	.00157	.00470	.00008	.00048
%RSD	1.6451	.57845	3.9014	4.9900	.91390	1.4573	12.384	4.0028
#1	.02693	.03213	.06309	.00553	.17365	.31911	-.00074	.01165
#2	.02663	.03183	.06613	.00531	.17060	.32042	-.00058	.01168
#3	.02751	.03180	.06820	.00501	.17146	.32783	-.00067	.01249

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00928	.00286	.48361	.00082	.07215	.06024	1.6986
Stddev	.00060	.00006	.00164	.00020	.00114	.00179	.0122
%RSD	6.4404	2.0558	.33961	24.807	1.5773	2.9796	.71886
#1	.00996	.00284	.48506	.00099	.07249	.05854	1.7112
#2	.00881	.00292	.48182	.00088	.07307	.06006	1.6868
#3	.00908	.00281	.48394	.00059	.07088	.06212	1.6977

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S1 Acquired: 10/26/2024 18:23:16 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) 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	966.93	21755.	2049.3	800.35	1763.9
Stddev	2.42	23.	10.9	1.56	1.7
%RSD	.24983	.10351	.52982	.19477	.09559
#1	965.06	21777.	2037.5	799.50	1765.2
#2	969.66	21732.	2058.8	802.15	1764.5
#3	966.07	21756.	2051.7	799.41	1762.0

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S2 Acquired: 10/26/2024 18:27:52 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) 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	.03854	.09962	.91077	.08855	.23731	5.6916	18.668	1.1597
Stddev	.00023	.00087	.00263	.00051	.00166	.0040	.051	.0020
%RSD	.59142	.87741	.28914	.57481	.69842	.06961	.27397	.17608
#1	.03828	.09882	.90954	.08796	.23678	5.6937	18.676	1.1574
#2	.03873	.10055	.90898	.08876	.23917	5.6871	18.613	1.1601
#3	.03860	.09950	.91379	.08891	.23599	5.6941	18.715	1.1614

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.3908	6.2592	.82740	.42554	.92460	.74458	1.5853	.47862
Stddev	.0018	.0111	.00146	.00136	.00305	.00713	.0019	.00120
%RSD	.13002	.17727	.17661	.31865	.32975	.95788	.12250	.25084
#1	1.3893	6.2585	.82906	.42398	.92564	.73857	1.5847	.47751
#2	1.3904	6.2486	.82681	.42645	.92699	.74271	1.5837	.47846
#3	1.3928	6.2707	.82632	.42618	.92116	.75247	1.5874	.47989

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	.40617	.13945	.57064	.06306	10.158	1.7634	.06595	1.5792
Stddev	.00084	.00055	.00082	.00152	.021	.0017	.00031	.0073
%RSD	.20797	.39764	.14439	2.4039	.20236	.09400	.47413	.46175
#1	.40522	.13984	.57151	.06213	10.136	1.7645	.06562	1.5734
#2	.40647	.13970	.56988	.06481	10.177	1.7615	.06624	1.5769
#3	.40683	.13882	.57053	.06224	10.161	1.7643	.06600	1.5874

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.1191	.03353	2.6053	.12864	.85585	2.9624	20.061
Stddev	.0038	.00026	.0189	.00094	.00167	.0021	.026
%RSD	.33674	.76314	.72429	.73270	.19478	.07024	.12770
#1	1.1157	.03358	2.5935	.12792	.85595	2.9611	20.047
#2	1.1184	.03326	2.5954	.12829	.85414	2.9612	20.045
#3	1.1232	.03377	2.6271	.12971	.85747	2.9648	20.090

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S2 Acquired: 10/26/2024 18:27:52 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) 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	916.52	21410.	2054.7	753.76	1603.0
Stddev	.80	84.	1.1	1.71	1.2
%RSD	.08681	.39316	.05499	.22677	.07620
#1	916.79	21321.	2054.9	752.42	1602.4
#2	917.16	21422.	2055.6	753.17	1604.4
#3	915.63	21488.	2053.4	755.69	1602.2

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S3 Acquired: 10/26/2024 18:32:11 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) 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	.07973	.19995	1.8541	.18426	.49420	11.690	38.096	2.3631
Stddev	.00026	.00074	.0039	.00098	.00064	.028	.075	.0106
%RSD	.33064	.37029	.21024	.53129	.12857	.23662	.19565	.44739
#1	.07944	.20005	1.8507	.18313	.49396	11.689	38.129	2.3677
#2	.07996	.20063	1.8533	.18474	.49492	11.718	38.149	2.3706
#3	.07980	.19916	1.8584	.18490	.49372	11.662	38.011	2.3510

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	2.8276	12.664	1.6614	.87075	1.8824	1.4971	3.1898	.98687
Stddev	.0047	.019	.0030	.00035	.0094	.0040	.0092	.00268
%RSD	.16774	.15008	.18087	.04004	.49821	.26581	.28864	.27119
#1	2.8247	12.654	1.6648	.87084	1.8825	1.5010	3.1991	.98734
#2	2.8251	12.686	1.6592	.87037	1.8917	1.4972	3.1897	.98928
#3	2.8331	12.651	1.6601	.87105	1.8729	1.4931	3.1807	.98399

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	.82609	.25492	1.1825	.12966	20.986	3.5739	.13982	3.2125
Stddev	.00180	.00035	.0028	.00184	.100	.0175	.00051	.0218
%RSD	.21796	.13621	.24042	1.4212	.47839	.48979	.36329	.67760
#1	.82516	.25516	1.1793	.12846	21.102	3.5815	.13931	3.2157
#2	.82494	.25509	1.1847	.13178	20.936	3.5863	.13984	3.2325
#3	.82816	.25453	1.1836	.12873	20.921	3.5539	.14032	3.1893

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.3173	.07028	5.2655	.26457	1.7361	6.1076	40.973
Stddev	.0017	.00046	.0284	.00059	.0056	.0217	.122
%RSD	.07154	.65814	.53976	.22459	.32264	.35501	.29888
#1	2.3191	.07077	5.2728	.26423	1.7317	6.1251	41.005
#2	2.3158	.06984	5.2896	.26422	1.7424	6.1143	41.077
#3	2.3172	.07024	5.2342	.26526	1.7342	6.0834	40.838

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S3 Acquired: 10/26/2024 18:32:11 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) 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	869.11	20962.	2015.5	709.43	1518.4
Stddev	1.26	38.	4.1	3.26	1.6
%RSD	.14481	.17959	.20177	.46003	.10615
#1	867.69	20941.	2014.8	705.67	1517.9
#2	869.57	21005.	2011.9	711.53	1520.3
#3	870.08	20939.	2019.9	711.08	1517.2

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S4 Acquired: 10/26/2024 18:36:27 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) 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	.16303	.38947	3.6760	.38066	1.0376	24.003	76.583	4.6861
Stddev	.00056	.00062	.0021	.00182	.0024	.014	.074	.0105
%RSD	.34429	.15796	.05651	.47783	.22613	.05688	.09652	.22476
#1	.16239	.38974	3.6761	.38093	1.0385	23.996	76.664	4.6798
#2	.16328	.38876	3.6739	.37872	1.0349	23.993	76.519	4.6983
#3	.16343	.38989	3.6781	.38233	1.0393	24.018	76.568	4.6803

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	5.5666	25.385	3.2495	1.7377	3.8340	2.9590	6.2902	2.0140
Stddev	.0081	.020	.0076	.0003	.0049	.0024	.0054	.0032
%RSD	.14556	.07838	.23349	.01716	.12838	.08248	.08641	.15722
#1	5.5753	25.408	3.2513	1.7380	3.8360	2.9593	6.2961	2.0159
#2	5.5592	25.378	3.2412	1.7376	3.8283	2.9613	6.2890	2.0104
#3	5.5654	25.370	3.2561	1.7374	3.8375	2.9565	6.2854	2.0159

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	1.6360	.47776	2.4303	.25943	43.884	7.3253	.28650	6.4202
Stddev	.0002	.00025	.0067	.00175	.082	.0086	.00086	.0059
%RSD	.01308	.05159	.27510	.67507	.18644	.11728	.30098	.09154
#1	1.6358	.47775	2.4374	.26142	43.793	7.3167	.28554	6.4202
#2	1.6362	.47801	2.4242	.25870	43.908	7.3339	.28673	6.4144
#3	1.6359	.47752	2.4292	.25815	43.952	7.3253	.28721	6.4261

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.7940	.14367	10.505	.52717	3.5079	12.562	83.044
Stddev	.0186	.00024	.008	.00054	.0076	.002	.477
%RSD	.38728	.16471	.07925	.10192	.21624	.01764	.57429
#1	4.7949	.14382	10.497	.52691	3.5018	12.561	83.180
#2	4.7749	.14380	10.504	.52681	3.5164	12.561	82.514
#3	4.8120	.14340	10.514	.52778	3.5057	12.565	83.438

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S4 Acquired: 10/26/2024 18:36:27 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) 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	798.55	20412.	1946.7	628.27	1428.8
Stddev	1.68	65.	4.1	.69	1.4
%RSD	.20994	.32032	.21244	.10964	.09649
#1	797.81	20343.	1942.4	627.54	1427.6
#2	800.48	20473.	1950.6	628.91	1428.6
#3	797.38	20419.	1947.0	628.37	1430.3

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S5 Acquired: 10/26/2024 18:40:44 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) 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	.33813	.75385	7.3413	.83513	2.3292	47.852	149.19	9.0551
Stddev	.00079	.00168	.0213	.00286	.0054	.131	1.22	.0722
%RSD	.23476	.22282	.28992	.34264	.23165	.27392	.81810	.79700
#1	.33799	.75379	7.3342	.83350	2.3300	47.982	150.56	9.0725
#2	.33742	.75220	7.3246	.83844	2.3341	47.856	148.81	9.1170
#3	.33898	.75556	7.3653	.83346	2.3234	47.719	148.21	8.9758

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	10.919	49.834	6.3006	3.4455	7.4642	5.6841	12.134	4.0148
Stddev	.025	.086	.0080	.0089	.0263	.0051	.027	.0059
%RSD	.22951	.17185	.12645	.25740	.35281	.09017	.22128	.14579
#1	10.906	49.925	6.2915	3.4432	7.4845	5.6898	12.158	4.0199
#2	10.903	49.822	6.3036	3.4380	7.4738	5.6828	12.140	4.0160
#3	10.948	49.755	6.3066	3.4553	7.4345	5.6798	12.105	4.0084

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	3.2286	.95057	4.8143	.50482	96.523	14.560	.58625	12.226
Stddev	.0080	.00324	.0070	.00356	.298	.043	.00152	.075
%RSD	.24856	.34103	.14618	.70535	.30853	.29515	.25978	.61205
#1	3.2258	.95155	4.8198	.50850	96.765	14.599	.58495	12.287
#2	3.2223	.95322	4.8167	.50139	96.614	14.567	.58588	12.247
#3	3.2376	.94696	4.8064	.50456	96.191	14.514	.58793	12.142

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	10.396	.29984	20.258	1.0497	6.8175	25.711	159.86
Stddev	.037	.00047	.113	.0043	.0101	.032	.64
%RSD	.35610	.15549	.55586	.40961	.14816	.12306	.40309
#1	10.397	.29971	20.343	1.0483	6.8206	25.728	159.21
#2	10.432	.29945	20.300	1.0463	6.8256	25.730	159.87
#3	10.358	.30036	20.130	1.0545	6.8062	25.674	160.50

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S5 Acquired: 10/26/2024 18:40:44 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) 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	687.58	19701.	1953.5	501.72	1324.5
Stddev	2.49	5.	8.4	1.52	3.6
%RSD	.36214	.02340	.42901	.30388	.27338
#1	688.65	19702.	1945.6	500.10	1328.0
#2	684.73	19696.	1952.6	501.94	1324.8
#3	689.35	19706.	1962.3	503.13	1320.8

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S6 Acquired: 10/26/2024 18:45:13 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) 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	120.10	76.890	14.474	6.2304	12.756
Stddev	1.00	.135	.017	.0203	.003
%RSD	.83269	.17561	.11966	.32510	.02641
#1	118.95	76.772	14.456	6.2089	12.753
#2	120.57	76.860	14.476	6.2492	12.757
#3	120.78	77.037	14.490	6.2331	12.759

Int. Std.	Y_3710
Units	Cts/S
Avg	1939.8
Stddev	4.5
%RSD	.23281
#1	1945.0
#2	1936.6
#3	1937.9

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: ICV002 Acquired: 10/26/2024 19:13:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV002 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.093074	1.043402	.9759432	1.067101	1.038746	2.380942
Stddev	.009939	.010168	.0017683	.007788	.001074	.022187
%RSD	.9093140	.9745137	.1811942	.7298707	.1033565	.9318742
#1	1.082717	1.039020	.9743846	1.063815	1.039744	2.382736
#2	1.102535	1.036159	.9755802	1.075994	1.037610	2.357912
#3	1.093971	1.055026	.9778649	1.061495	1.038885	2.402178

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5066314	.5282168	.4976522	10.05755	.5563626	.4938807
Stddev	.0065784	.0024192	.0008761	.13528	.0008534	.0009322
%RSD	1.298448	.4579995	.1760413	1.345089	.1533849	.1887557
#1	.5096952	.5291243	.4986608	10.12662	.5569412	.4948374
#2	.4990801	.5254751	.4970799	9.90168	.5553825	.4938298
#3	.5111191	.5300511	.4972160	10.14436	.5567640	.4929750

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4918290	10.82150	.5276314	5.773014	.5040119	.2398333
Stddev	.0099449	.07531	.0072638	.119532	.0006989	.0011374
%RSD	2.022017	.6958972	1.376686	2.070527	.1386690	.4742516
#1	.4898534	10.84914	.5270279	5.681409	.5044585	.2385635
#2	.4830203	10.73628	.5206882	5.729406	.5043707	.2401774
#3	.5026135	10.87908	.5351782	5.908227	.5032065	.2407589

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.386458	.5369256	1.042202	9.125805	F .0051519	F .0067337
Stddev	.333024	.0116349	.007563	.117595	.0010964	.0007890
%RSD	3.547924	2.166952	.7257063	1.288596	21.28114	11.71667
#1	9.126789	.5495505	1.043366	9.104404	.0041091	.0069425
#2	9.761923	.5345917	1.049116	9.020381	.0062950	.0073973
#3	9.270662	.5266345	1.034125	9.252631	.0050516	.0058613

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: ICV002 Acquired: 10/26/2024 19:13:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV002 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0001646	F -.000461	F -.001582	F .0013001	F -.003224	F -.005192
Stddev	.0003510	.000935	.000578	.0010765	.000621	.000277
%RSD	213.2458	202.8814	36.55968	82.80816	19.27546	5.337916
#1	-.000225	.000043	-.001826	.0023639	-.003539	-.004900
#2	.000456	-.001539	-.000922	.0013250	-.003624	-.005452
#3	.000263	.000114	-.001999	.0002112	-.002508	-.005224

Elem	Sr4077
Units	ppm
Avg	F .0012684
Stddev	.0000842
%RSD	6.638539
#1	.0013604
#2	.0011952
#3	.0012496

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	959.3705	21752.40	2023.222	796.4716	1736.334
Stddev	3.0588	66.30	14.423	4.6267	3.918
%RSD	.3188311	.3047797	.7128714	.5808980	.2256462
#1	956.6391	21691.25	2014.331	795.0599	1732.941
#2	958.7969	21822.86	2039.863	792.7152	1735.439
#3	962.6754	21743.09	2015.471	801.6397	1740.622

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: ICB002 Acquired: 10/26/2024 19:19:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB002 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000645	.0031240	-.003269	-.002736	.0006231	-.007186	-.000176
Stddev	.002476	.0030704	.002894	.002909	.0010248	.003390	.000115
%RSD	384.1088	98.28621	88.54156	106.3109	164.4797	47.16759	65.33065
#1	-.002033	.0034866	-.003380	-.006092	.0017459	-.008825	-.000219
#2	-.002115	-.000112	-.006106	-.001182	-.000262	-.003289	-.000046
#3	.002214	.005997	-.000321	-.000935	.000385	-.009445	-.000264

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000100	-.000024	-.004575	-.000654	-.000135	.0028615	.0029208
Stddev	.000139	.000032	.007594	.000722	.000170	.0026833	.0179285
%RSD	138.5013	132.6435	165.9858	110.4078	126.1423	93.77383	613.8328
#1	-.000213	-.000018	-.006703	-.001437	-.000045	-.000024	.0214668
#2	-.000144	-.000059	.003856	-.000013	-.000331	.005281	-.014319
#3	.000055	.000004	-.010878	-.000513	-.000028	.003327	.001614

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001671	.0194944	.0002731	-.000244	-.343509	.0086834	-.000318
Stddev	.000941	.0597441	.0001940	.000868	.231024	.0111869	.000190
%RSD	56.27776	306.4678	71.03274	355.1731	67.25419	128.8308	59.84239
#1	-.002757	-.009800	.0000907	.000758	-.477925	.0045368	-.000104
#2	-.001124	.088232	.0002516	-.000712	-.076748	.0001618	-.000380
#3	-.001132	-.019949	.0004769	-.000779	-.475854	.0213516	-.000469

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.239331	-.000145	-.003731	.0002187	-.000073	-.002721	.0021391
Stddev	.075386	.000322	.000439	.0003715	.002864	.000408	.0008855
%RSD	31.49867	221.7208	11.76929	169.8711	3932.803	15.00171	41.39872
#1	-.228792	-.000173	-.004176	-.000101	.001977	-.002529	.0016499
#2	-.319432	-.000453	-.003718	.000626	.001150	-.002445	.0016060
#3	-.169769	.000190	-.003298	.000131	-.003345	-.003190	.0031613

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: ICB002 Acquired: 10/26/2024 19:19:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB002 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000367	-.005683	-.000022
Stddev	.000908	.001077	.000053
%RSD	247.7813	18.94641	241.4077
#1	-.000414	-.006925	-.000051
#2	.000565	-.005021	-.000055
#3	-.001250	-.005102	.000039

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	961.9019	21709.99	2056.873	798.3908	1766.515
Stddev	2.9860	110.20	9.458	.5535	3.159
%RSD	.3104286	.5076029	.4598188	.0693318	.1788416
#1	965.1794	21595.11	2053.421	798.3017	1769.586
#2	961.1904	21720.04	2049.625	798.9835	1766.686
#3	959.3359	21814.82	2067.571	797.8872	1763.274

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: ICSA002 Acquired: 10/26/2024 19:23:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA002 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009798	-.017245	.0016132	.0063353	.0012140	244.0370
Stddev	.0057265	.002927	.0048184	.0071306	.0022907	1.0144
%RSD	584.4556	16.97519	298.6971	112.5539	188.6838	.4156883
#1	.0021658	-.016295	-.003785	.0096876	.0036817	244.0429
#2	.0060205	-.014910	.003145	.0111719	-.000845	243.0196
#3	-.005247	-.020529	.005479	-.001854	.000805	245.0484

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058851	.0009399	-.000199	254.4392	.0500765	.0020729
Stddev	.0004148	.0002237	.000135	.9033	.0009969	.0005681
%RSD	7.048316	23.79794	67.58604	.3549998	1.990671	27.40494
#1	.0062832	.0009182	-.000319	254.6847	.0489256	.0016654
#2	.0054554	.0007278	-.000226	253.4385	.0506696	.0027218
#3	.0059166	.0011736	-.000053	255.1942	.0506343	.0018314

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011156	106.5314	.0127993	260.9808	.0051797	.0032009
Stddev	.0018552	.4350	.0019349	.8496	.0006281	.0007044
%RSD	166.2998	.4083645	15.11709	.3255341	12.12666	22.00652
#1	.0032554	106.7771	.0148611	261.7537	.0046502	.0037533
#2	.0001342	106.0291	.0110231	260.0711	.0058737	.0034416
#3	-.000043	106.7881	.0125136	261.1175	.0050152	.0024077

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2000973	.0087609	.0125227	-.339900	.0036268	F .0972092
Stddev	.1220469	.0068579	.0008529	.125201	.0033998	.0010127
%RSD	60.99378	78.27880	6.810997	36.83472	93.74102	1.041817
#1	.1816596	.0008563	.0118362	-.234970	.0074759	.0983171
#2	.3303141	.0131250	.0122543	-.478491	.0010335	.0963310
#3	.0883183	.0123013	.0134775	-.306240	.0023711	.0969796

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: ICSA002 Acquired: 10/26/2024 19:23:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA002 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000480	.0039400	-.002501	-.003676	-.003161	-.004639
Stddev	.000576	.0089143	.000438	.001668	.001061	.001183
%RSD	120.1350	226.2529	17.53218	45.38974	33.58086	25.49966
#1	.000134	.0069622	-.003007	-.003047	-.004020	-.005972
#2	-.001009	-.006093	-.002224	-.005567	-.003488	-.003714
#3	-.000564	.010950	-.002272	-.002413	-.001974	-.004231

Elem	Sr4077
Units	ppm
Avg	F .1019837
Stddev	.0006825
%RSD	.6692177
#1	.1018054
#2	.1014081
#3	.1027377

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	892.4386	20606.52	2024.192	751.6297	1469.883
Stddev	1.4571	44.00	13.375	1.5506	2.957
%RSD	.1632674	.2135033	.6607529	.2062989	.2011997
#1	893.3904	20559.88	2013.584	749.9003	1472.104
#2	893.1642	20612.40	2039.217	752.8959	1471.020
#3	890.7612	20647.28	2019.775	752.0929	1466.526

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: ICSAB002 Acquired: 10/26/2024 19:37:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB002 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0902124	.0948903	.0533979	.0525147	.5562428	252.0250
Stddev	.0118776	.0027289	.0012834	.0073295	.0018520	.7854
%RSD	13.16631	2.875878	2.403534	13.95705	.3329444	.3116510
#1	.0802142	.0922583	.0540509	.0604731	.5567198	252.8474
#2	.1033420	.0977068	.0542236	.0460416	.5578096	251.2827
#3	.0870810	.0947057	.0519193	.0510293	.5541990	251.9448

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5433920	.5546291	1.068776	261.6324	.6156734	.5317541
Stddev	.0010174	.0014576	.001846	.6935	.0018356	.0007328
%RSD	.1872309	.2628108	.1726898	.2650838	.2981462	.1378161
#1	.5442113	.5540721	1.068874	262.2176	.6177640	.5325707
#2	.5422532	.5535321	1.066884	260.8663	.6143259	.5315380
#3	.5437114	.5562831	1.070572	261.8134	.6149302	.5311537

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4973511	109.1789	.5491389	268.3548	1.068999	.1992347
Stddev	.0063876	.3553	.0029985	1.1058	.000286	.0011800
%RSD	1.284333	.3254455	.5460441	.4120669	.0267895	.5922757
#1	.4993132	109.5624	.5474541	269.6251	1.068808	.1986907
#2	.5025276	108.8610	.5473617	267.8317	1.069329	.1984248
#3	.4902126	109.1132	.5526009	267.6076	1.068862	.2005886

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3990347	.5145992	.9354135	-.429140	F .0111448	F .0990308
Stddev	.0904567	.0544213	.0063443	.074121	.0055127	.0006964
%RSD	22.66887	10.57547	.6782343	17.27207	49.46440	.7032092
#1	.4885644	.5541134	.9417509	-.421052	.0172706	.0983521
#2	.4008611	.5371582	.9354272	-.359395	.0065834	.0997437
#3	.3076787	.4525261	.9290623	-.506974	.0095803	.0989965

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: ICSAB002 Acquired: 10/26/2024 19:37:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB002 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000176	.0106440	-.001827	F -.008208	-.005277	-.007544
Stddev	.000212	.0065268	.000227	.002231	.000406	.002082
%RSD	120.4326	61.31873	12.45270	27.17889	7.685380	27.59192
#1	-.000421	.0031677	-.001629	-.010020	-.005523	-.008731
#2	-.000044	.0152049	-.001776	-.005716	-.005499	-.008761
#3	-.000063	.0135595	-.002075	-.008887	-.004809	-.005141

Elem	Sr4077
Units	ppm
Avg	F .1054981
Stddev	.0001609
%RSD	.1524918
#1	.1054973
#2	.1053376
#3	.1056593

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	885.8034	20436.55	2006.197	739.7436	1464.012
Stddev	1.0701	18.63	3.226	4.8464	1.366
%RSD	.1208024	.0911794	.1607873	.6551506	.0933354
#1	886.3704	20417.60	2004.019	735.1868	1462.895
#2	886.4706	20437.18	2009.903	739.2086	1465.536
#3	884.5691	20454.86	2004.670	744.8353	1463.604

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCV005 Acquired: 10/26/2024 20:07:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV005 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.993616	4.751182	24.53714	4.707209	4.746349	413.7477	10.11156
Stddev	.017438	.008855	.05874	.002721	.008396	1.9378	.04464
%RSD	.3491990	.1863825	.2393876	.0578098	.1769029	.4683636	.4414312
#1	5.001002	4.761382	24.57207	4.709130	4.755465	414.4040	10.09053
#2	4.973701	4.746703	24.46933	4.708401	4.738932	411.5669	10.08132
#3	5.006145	4.745460	24.57004	4.704095	4.744651	415.2721	10.16282

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5215243	2.474803	409.7535	15.17820	2.487021	14.98072	416.6286
Stddev	.0032740	.005321	2.3179	.01788	.004670	.10645	2.1229
%RSD	.6277801	.2150049	.5656727	.1177709	.1877611	.7106037	.5095390
#1	.5210349	2.480335	409.5148	15.17718	2.489081	15.05017	416.4422
#2	.5185225	2.469723	407.5642	15.16086	2.481675	14.85816	414.6051
#3	.5250155	2.474350	412.1814	15.19657	2.490306	15.03382	418.8386

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.79672	407.1710	2.471759	1.260804	410.1928	2.481571	14.25718
Stddev	.06727	1.5148	.006019	.005796	2.0678	.005750	.07477
%RSD	.4546298	.3720220	.2435248	.4596938	.5041057	.2317237	.5244683
#1	14.77322	407.0832	2.471828	1.267420	410.3067	2.483614	14.22478
#2	14.74436	405.7020	2.465705	1.258365	408.0704	2.486020	14.34269
#3	14.87259	408.7277	2.477743	1.256626	412.2013	2.475078	14.20407

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	154.5891	4.950844	5.121871	4.712460	4.999358	4.986182	4.941473
Stddev	1.0045	.005624	.031742	.010589	.009490	.022906	.016415
%RSD	.6497835	.1136048	.6197438	.2247080	.1898257	.4593904	.3321843
#1	154.9179	4.951031	5.133653	4.702052	4.999986	4.988534	4.944022
#2	153.4613	4.945129	5.085922	4.712106	5.008518	4.962191	4.923933
#3	155.3879	4.956373	5.146037	4.723222	4.989570	5.007821	4.956464

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCV005 Acquired: 10/26/2024 20:07:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV005 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.966096	5.054028	5.048927
Stddev	.032497	.027432	.030244
%RSD	.6543706	.5427676	.5990271
#1	4.980058	5.040586	5.070981
#2	4.928951	5.035911	5.014450
#3	4.989278	5.085588	5.061351

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	763.9958	19682.65	1913.502	605.6579	1338.616
Stddev	1.0259	38.67	11.285	2.5183	2.415
%RSD	.1342802	.1964879	.5897425	.4157985	.1804387
#1	764.5693	19646.53	1913.544	606.1938	1337.120
#2	764.6067	19723.45	1924.765	602.9148	1341.403
#3	762.8114	19677.98	1902.196	607.8651	1337.326

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCB005 Acquired: 10/26/2024 20:12:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB005 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010907	.0008544	-.000097	.0007674	-.000434	.0221299	-.000474
Stddev	.0014319	.0006140	.001074	.0039673	.001272	.0033126	.000606
%RSD	131.2885	71.86848	1104.843	516.9782	293.3160	14.96882	127.8847
#1	.0000995	.0004376	-.000850	.0023197	.000861	.0190092	-.001110
#2	.0027324	.0005660	.001133	-.003741	-.000481	.0217747	.000097
#3	.0004402	.0015595	-.000574	.003724	-.001681	.0256057	-.000408

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000123	.0000047	.0197146	-.001455	-.000022	.0024066	.0073019
Stddev	.000141	.0001259	.0198487	.000833	.000261	.0026643	.0318161
%RSD	114.0517	2696.246	100.6806	57.26137	1159.251	110.7062	435.7245
#1	-.000252	-.000103	.0423338	-.001544	-.000322	.0044654	.0244298
#2	.000027	-.000026	.0052031	-.000581	.000105	.0033570	.0268847
#3	-.000145	.000143	.0116069	-.002239	.000150	-.000603	-.029409

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002716	.0266951	.0008467	.0000971	-.114006	.0062644	-.000017
Stddev	.0007553	.0128477	.0003823	.0003855	.158018	.0020073	.000505
%RSD	278.1396	48.12745	45.14571	396.8572	138.6049	32.04335	3049.231
#1	-.000378	.0410585	.0004086	.0002091	-.011527	.0039466	-.000464
#2	.001100	.0162990	.0010191	.0004142	-.034505	.0074112	.000530
#3	.000092	.0227278	.0011125	-.000332	-.295986	.0074354	-.000116

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.011738	-.000135	.0026078	.0003439	-.007022	-.002232	.0017176
Stddev	.202062	.001931	.0007892	.0003037	.002291	.000237	.0005710
%RSD	1721.376	1432.847	30.26209	88.32321	32.62390	10.60851	33.24152
#1	.030136	.001265	.0020635	.0006929	-.004633	-.002451	.0018850
#2	-.231457	-.002337	.0035129	.0001397	-.007234	-.002264	.0021862
#3	.166105	.000668	.0022471	.0001990	-.009200	-.001981	.0010817

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCB005 Acquired: 10/26/2024 20:12:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB005 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001802	-.001150	.0000007
Stddev	.001357	.001751	.0000792
%RSD	75.32618	152.2906	12064.90
#1	-.002900	.000565	-.000091
#2	-.002222	-.001079	.000040
#3	-.000284	-.002935	.000053

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	956.9475	21660.79	1996.956	798.0349	1757.889
Stddev	1.2724	50.03	7.823	2.2544	3.064
%RSD	.1329673	.2309855	.3917401	.2824907	.1742789
#1	958.3017	21603.33	2004.864	796.2861	1761.011
#2	956.7639	21694.66	1989.221	797.2394	1757.769
#3	955.7768	21684.39	1996.782	800.5792	1754.887

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-01DLX2 Acquired: 10/26/2024 20:17:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE450 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2328983	-.033343	.2400306	-.001874	.0098097	98.57927	1.078555
Stddev	.0027204	.001140	.0011658	.002654	.0012865	.48637	.004673
%RSD	1.168066	3.419327	.4856706	141.6127	13.11499	.4933842	.4332897
#1	.2316873	-.032276	.2391970	.001017	.0100532	98.12597	1.073545
#2	.2360139	-.034544	.2395319	-.002441	.0109571	98.51877	1.079323
#3	.2309936	-.033211	.2413627	-.004199	.0084188	99.09306	1.082797

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051465	.0052029	74.50160	.2402039	.1273545	.7705781	225.7470
Stddev	.0000822	.0002475	.43225	.0013035	.0001951	.0048410	1.1433
%RSD	1.596283	4.756738	.5801864	.5426667	.1531654	.6282308	.5064476
#1	.0050772	.0051877	74.17581	.2412214	.1275510	.7756668	224.6225
#2	.0052372	.0049634	74.33703	.2406557	.1273516	.7700372	225.7103
#3	.0051250	.0054576	74.99196	.2387346	.1271609	.7660302	226.9082

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.661904	46.97475	.2193342	-.016355	1.071942	.4283360	.6417882
Stddev	.034740	.19858	.0007706	.000365	.285169	.0056640	.0044953
%RSD	.6135824	.4227375	.3513416	2.230998	26.60300	1.322320	.7004354
#1	5.637944	46.93573	.2190430	-.016182	1.365941	.4303538	.6440560
#2	5.646022	46.79857	.2187516	-.016108	1.053373	.4327147	.6446978
#3	5.701747	47.18994	.2202080	-.016774	.796511	.4219394	.6366107

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	31.98869	7.622905	.2607409	.0032738	1.189599	2.981717	.0032668
Stddev	.15944	.025334	.0004391	.0000979	.017324	.030676	.0023724
%RSD	.4984108	.3323448	.1684130	2.990313	1.456252	1.028790	72.62135
#1	31.88493	7.639954	.2610039	.0033167	1.186548	2.957492	.0055942
#2	31.90887	7.593793	.2602339	.0033429	1.174004	2.971449	.0008518
#3	32.17227	7.634966	.2609847	.0031618	1.208246	3.016209	.0033543

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-01DLX2 Acquired: 10/26/2024 20:17:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE450 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.962766	.0708357	.3654261
Stddev	.016658	.0014454	.0013289
%RSD	.5622481	2.040528	.3636691
#1	2.953722	.0693386	.3644120
#2	2.952587	.0709454	.3649358
#3	2.981990	.0722232	.3669305

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1009.957	23235.46	2239.095	844.8704	1602.958
Stddev	.449	47.22	19.328	6.4115	2.061
%RSD	.0444713	.2032256	.8632045	.7588679	.1285927
#1	1010.134	23209.87	2251.407	842.0777	1602.991
#2	1010.290	23206.57	2249.060	840.3290	1605.003
#3	1009.446	23289.96	2216.818	852.2046	1600.881

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-02DLX2 Acquired: 10/26/2024 20:21:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE451 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1926078	-.029923	.2138714	-.000387	.0079085	91.16828	.9778900
Stddev	.0052302	.002347	.0030177	.004632	.0027275	.19978	.0019752
%RSD	2.715439	7.844781	1.411000	1198.013	34.48873	.2191343	.2019864
#1	.1867031	-.030854	.2160280	-.005735	.0054010	91.30514	.9794029
#2	.1944622	-.031662	.2104228	.002354	.0075118	90.93903	.9756555
#3	.1966580	-.027253	.2151634	.002220	.0108127	91.26067	.9786116

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050254	.0044112	26.23007	.2170309	.1144650	.6244477	218.5256
Stddev	.0001466	.0003724	.12648	.0011768	.0005237	.0042067	.4100
%RSD	2.916867	8.441111	.4822012	.5422229	.4575056	.6736700	.1876110
#1	.0051641	.0039815	26.31690	.2167379	.1141271	.6284184	218.0898
#2	.0048721	.0046136	26.08496	.2183265	.1150682	.6248855	218.5835
#3	.0050402	.0046385	26.28836	.2160283	.1141996	.6200392	218.9036

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.090276	41.56206	.2059277	-.018056	1.007907	.4099222	.6196930
Stddev	.013305	.06116	.0009682	.000485	.177980	.0047895	.0055871
%RSD	.2613893	.1471587	.4701739	2.686308	17.65842	1.168399	.9015998
#1	5.094253	41.50707	.2051994	-.017727	.827905	.4062934	.6147514
#2	5.075435	41.62793	.2070264	-.017829	1.183794	.4153509	.6257557
#3	5.101139	41.55116	.2055572	-.018613	1.012022	.4081223	.6185719

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	29.42615	7.397342	.2374911	.0031152	1.281718	3.460082	.0055577
Stddev	.11142	.031947	.0008343	.0003423	.018280	.016985	.0026676
%RSD	.3786409	.4318694	.3513157	10.98743	1.426212	.4908867	47.99747
#1	29.55468	7.431823	.2367257	.0031579	1.297113	3.463870	.0083773
#2	29.36692	7.368748	.2373671	.0034341	1.286527	3.441523	.0052220
#3	29.35685	7.391454	.2383805	.0027535	1.261514	3.474854	.0030739

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-02DLX2 Acquired: 10/26/2024 20:21:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE451 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.570386	.0643552	.2394820
Stddev	.004806	.0013013	.0001609
%RSD	.1869614	2.022087	.0671688
#1	2.568041	.0649070	.2396677
#2	2.567204	.0628689	.2393915
#3	2.575914	.0652896	.2393867

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1020.750	23448.81	2263.583	853.4110	1632.498
Stddev	1.250	90.30	4.778	7.8212	1.321
%RSD	.1225060	.3851127	.2110613	.9164603	.0809410
#1	1022.120	23497.37	2259.739	858.5094	1633.065
#2	1019.670	23344.62	2268.932	844.4061	1630.988
#3	1020.459	23504.45	2262.080	857.3174	1633.442

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-03DLX2 Acquired: 10/26/2024 20:25:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE452 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2430590	-.027037	.2220392	.0001651	.0068891	106.1149	1.280760
Stddev	.0037143	.004916	.0019160	.0015159	.0018309	.3731	.003439
%RSD	1.528152	18.18125	.8629290	918.1863	26.57638	.3516205	.2684986
#1	.2470190	-.024700	.2198286	.0003239	.0049702	106.3449	1.283313
#2	.2396526	-.023726	.2230663	.0015954	.0086170	105.6843	1.276850
#3	.2425052	-.032685	.2232228	-.001424	.0070801	106.3153	1.282117

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053164	.0036921	53.75413	.2223824	.1205180	.7038544	220.2750
Stddev	.0001697	.0002019	.06618	.0013691	.0001232	.0021284	.5458
%RSD	3.192014	5.467719	.1231084	.6156695	.1022245	.3023974	.2477765
#1	.0051575	.0036364	53.76511	.2229657	.1206487	.7061442	220.0566
#2	.0052967	.0039160	53.68315	.2233633	.1204041	.7019363	219.8722
#3	.0054951	.0035240	53.81412	.2208182	.1205012	.7034828	220.8962

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.898828	50.38160	.2276995	-.016577	1.259737	.4152942	.5558349
Stddev	.015831	.14465	.0012362	.000318	.275862	.0043810	.0018910
%RSD	.2294799	.2871099	.5429126	1.920025	21.89835	1.054915	.3402055
#1	6.912857	50.54528	.2288341	-.016812	1.073428	.4105551	.5578107
#2	6.881663	50.27095	.2278822	-.016704	1.129137	.4161311	.5556522
#3	6.901962	50.32856	.2263821	-.016215	1.576647	.4191964	.5540420

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.68274	5.232832	.2533690	.0015068	.9810579	3.167466	.0022445
Stddev	.09197	.005559	.0018921	.0007558	.0050305	.005621	.0008819
%RSD	.3581018	.1062402	.7467722	50.16197	.5127669	.1774703	39.29227
#1	25.76755	5.239202	.2518730	.0010928	.9863347	3.162348	.0014505
#2	25.58498	5.230338	.2527381	.0010483	.9763165	3.166567	.0020893
#3	25.69569	5.228956	.2554960	.0023791	.9805226	3.173482	.0031937

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-03DLX2 Acquired: 10/26/2024 20:25:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE452 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.494519	.0722401	.2807550
Stddev	.009109	.0016273	.0010494
%RSD	.3651555	2.252553	.3737682
#1	2.500544	.0741190	.2813412
#2	2.484040	.0712845	.2795435
#3	2.498972	.0713167	.2813803

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1018.900	23354.10	2186.537	850.6844	1617.341
Stddev	2.064	32.85	4.659	5.2505	2.949
%RSD	.2026107	.1406490	.2130577	.6172139	.1823105
#1	1019.553	23321.84	2187.914	844.6350	1617.600
#2	1020.559	23387.51	2190.351	854.0585	1620.152
#3	1016.588	23352.95	2181.345	853.3596	1614.272

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-04DLX2 Acquired: 10/26/2024 20:30:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE453 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5278318	-.028056	.2890803	-.003566	.0144464	98.13228	1.403492
Stddev	.0026512	.003804	.0043781	.009219	.0022334	.18809	.004763
%RSD	.5022884	13.55825	1.514504	258.4936	15.45982	.1916676	.3393929
#1	.5307487	-.025027	.2906875	.006294	.0142883	98.12668	1.403236
#2	.5271779	-.032325	.2924278	-.005024	.0122962	97.94705	1.398863
#3	.5255686	-.026816	.2841257	-.011970	.0167546	98.32310	1.408379

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056696	.0053763	30.43563	.2122183	.1350092	.8123225	236.9937
Stddev	.0000726	.0000785	.08234	.0004757	.0013593	.0031045	.5603
%RSD	1.281165	1.460085	.2705452	.2241611	1.006844	.3821806	.2364226
#1	.0055902	.0054667	30.35873	.2122973	.1346761	.8156705	236.6833
#2	.0057328	.0053254	30.42566	.2126495	.1338474	.8095390	236.6574
#3	.0056857	.0053368	30.52251	.2117080	.1365041	.8117579	237.6405

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.228338	44.91888	.2229386	-.019048	1.222719	.4304943	.7003301
Stddev	.030216	.19953	.0006697	.000406	.265648	.0088052	.0062294
%RSD	.3672198	.4442002	.3003933	2.133722	21.72598	2.045362	.8894956
#1	8.214269	44.73897	.2228958	-.018751	1.135050	.4220951	.6971893
#2	8.207722	45.13348	.2236286	-.018882	1.011987	.4396559	.7075047
#3	8.263024	44.88417	.2222912	-.019511	1.521121	.4297320	.6962963

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	30.97998	7.788704	.2588415	.0017383	1.393960	3.058959	.0057826
Stddev	.07686	.025956	.0003487	.0002736	.010564	.017328	.0015883
%RSD	.2480947	.3332581	.1347059	15.73848	.7578130	.5664558	27.46618
#1	31.06181	7.766103	.2584547	.0020227	1.396323	3.045869	.0064620
#2	30.90931	7.782957	.2591316	.0014770	1.382414	3.052398	.0069182
#3	30.96881	7.817053	.2589383	.0017153	1.403141	3.078609	.0039677

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-04DLX2 Acquired: 10/26/2024 20:30:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE453 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.421456	.0712027	.2774669
Stddev	.002180	.0005432	.0004575
%RSD	.0900434	.7629498	.1648875
#1	2.422354	.0714592	.2775794
#2	2.418970	.0715701	.2769637
#3	2.423044	.0705787	.2778577

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1021.312	23386.33	2186.688	851.7110	1630.151
Stddev	1.999	72.75	7.683	4.7693	3.688
%RSD	.1957502	.3110949	.3513529	.5599674	.2262302
#1	1022.422	23389.40	2190.804	853.6020	1631.326
#2	1022.509	23312.08	2191.437	846.2861	1633.108
#3	1019.004	23457.49	2177.824	855.2448	1626.019

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCV006 Acquired: 10/26/2024 20:34:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV006 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.072025	4.794693	24.90396	4.743424	4.797671	409.5519	10.14422
Stddev	.013573	.016753	.09134	.017871	.009236	2.2794	.03453
%RSD	.2676071	.3494120	.3667853	.3767459	.1925007	.5565715	.3404184
#1	5.056579	4.776374	24.79913	4.728680	4.788147	411.5168	10.16785
#2	5.077451	4.809236	24.94626	4.738293	4.798277	410.0859	10.16022
#3	5.082047	4.798469	24.96648	4.763299	4.806588	407.0528	10.10459

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5287245	2.512370	409.2478	15.16746	2.519972	14.83587	412.4368
Stddev	.0041203	.005792	1.3166	.03023	.007237	.08822	1.7646
%RSD	.7792955	.2305420	.3217230	.1993014	.2871871	.5946720	.4278494
#1	.5332561	2.507042	410.2367	15.16607	2.511736	14.91951	413.9374
#2	.5277140	2.511532	409.7534	15.13795	2.522868	14.84441	412.8802
#3	.5252034	2.518535	407.7533	15.19836	2.525313	14.74368	410.4928

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.84151	416.0712	2.501189	1.281776	405.8990	2.463279	14.34500
Stddev	.05108	1.4781	.008027	.002783	1.8371	.021335	.05530
%RSD	.3441593	.3552597	.3209162	.2171230	.4525918	.8661235	.3855196
#1	14.88506	417.5553	2.491952	1.280532	406.4332	2.443624	14.33793
#2	14.85418	416.0592	2.505144	1.279832	407.4097	2.485969	14.29358
#3	14.78529	414.5991	2.506471	1.284964	403.8540	2.460244	14.40350

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	154.0471	4.956598	5.079659	4.743909	5.058387	4.971910	5.008770
Stddev	1.0386	.012172	.034316	.015350	.004839	.042692	.009370
%RSD	.6742317	.2455785	.6755596	.3235800	.0956706	.8586573	.1870724
#1	154.9218	4.946312	5.117624	4.734199	5.053455	5.019172	5.000774
#2	154.3203	4.970037	5.070506	4.735921	5.058579	4.960415	5.006456
#3	152.8992	4.953445	5.050848	4.761606	5.063128	4.936142	5.019080

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCV006 Acquired: 10/26/2024 20:34:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV006 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.953810	5.073116	5.017662
Stddev	.027128	.012865	.034899
%RSD	.5476169	.2535890	.6955309
#1	4.979622	5.076665	5.047312
#2	4.956275	5.083833	5.026473
#3	4.925534	5.058849	4.979202

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	764.0247	19731.71	1933.446	605.6417	1332.335
Stddev	1.6402	42.85	15.834	2.7176	1.324
%RSD	.2146812	.2171664	.8189576	.4487119	.0993450
#1	765.0746	19743.49	1915.721	605.8750	1333.768
#2	764.8650	19767.45	1938.424	608.2351	1331.159
#3	762.1346	19684.21	1946.193	602.8149	1332.078

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCB006 Acquired: 10/26/2024 20:38:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB006 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003680	.0029220	.0008209	.0021938	.0004449	.0162710	.0003442
Stddev	.0018172	.0010876	.0011721	.0082635	.0018068	.0060506	.0003825
%RSD	493.8288	37.22130	142.7867	376.6818	406.0766	37.18621	111.1296
#1	.0004155	.0040574	.0002231	.0066125	-.000899	.0157910	.0003177
#2	-.001473	.0018895	.0021713	-.007340	-.000265	.0104748	-.000024
#3	.002161	.0028192	.0000682	.007308	.002499	.0225473	.000739

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000044	.0000020	.0145669	.0000692	-.000215	.0027288	.0180315
Stddev	.000076	.0000904	.0100631	.0013946	.000087	.0014169	.0224511
%RSD	171.6341	4589.724	69.08177	2015.470	40.70729	51.92381	124.5100
#1	-.000127	-.000042	.0031498	.0008694	-.000134	.0028479	.0436817
#2	.000021	-.000058	.0184041	.0008794	-.000307	.0040823	.0084623
#3	-.000026	.000106	.0221469	-.001541	-.000203	.0012561	.0019505

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000812	-.040650	.0006119	.0002992	-.294814	.0063811	-.000227
Stddev	.001280	.061545	.0001773	.0001438	.368809	.0034463	.000512
%RSD	157.5157	151.4026	28.98072	48.06399	125.0986	54.00824	225.3646
#1	-.000808	.015817	.0007906	.0001619	-.505651	.0060654	-.000336
#2	-.002094	-.031514	.0004360	.0004488	.131042	.0031035	.000331
#3	.000465	-.106253	.0006089	.0002870	-.509834	.0099744	-.000676

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.257636	-.000861	.0031918	.0005147	.0028789	-.002409	.0011772
Stddev	.126571	.001858	.0002815	.0002875	.0072193	.000271	.0012908
%RSD	49.12788	215.8575	8.819370	55.85504	250.7616	11.25410	109.6532
#1	-.240532	-.002659	.0028882	.0002460	-.000227	-.002722	.0026417
#2	-.140486	-.000975	.0034442	.0004802	.011131	-.002252	.0006851
#3	-.391888	.001052	.0032430	.0008179	-.002267	-.002252	.0002048

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCB006 Acquired: 10/26/2024 20:38:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB006 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001442	-.003163	.0000829
Stddev	.000215	.000898	.0000577
%RSD	14.93998	28.39851	69.52846
#1	-.001296	-.004187	.0001041
#2	-.001341	-.002794	.0001271
#3	-.001690	-.002508	.0000177

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	957.9923	21741.62	2064.535	802.5571	1749.633
Stddev	.5901	56.02	5.815	.8409	1.385
%RSD	.0616014	.2576466	.2816761	.1047731	.0791343
#1	957.6614	21702.58	2060.546	803.5215	1750.781
#2	958.6736	21716.48	2061.850	802.1726	1750.023
#3	957.6418	21805.80	2071.207	801.9772	1748.095

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-05DLX2 Acquired: 10/26/2024 20:43:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE453D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3213635	-.033575	.2876124	-.001158	.0150017	111.9559	1.194648
Stddev	.0069625	.003450	.0060627	.006721	.0014701	.0985	.002003
%RSD	2.166539	10.27537	2.107944	580.2854	9.799294	.0879431	.1676234
#1	.3283423	-.029702	.2871209	-.002801	.0165290	111.8564	1.195181
#2	.3213307	-.034706	.2939059	.006232	.0148797	112.0533	1.192432
#3	.3144175	-.036318	.2818104	-.006906	.0135965	111.9580	1.196329

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0064200	.0057827	33.71160	.2623277	.1392266	.8906560	264.7056
Stddev	.0001639	.0002369	.08356	.0016444	.0003485	.0040328	.6230
%RSD	2.552877	4.095827	.2478711	.6268407	.2503105	.4527936	.2353738
#1	.0064220	.0056265	33.78907	.2639053	.1390407	.8889799	264.2404
#2	.0065829	.0056665	33.62306	.2624539	.1396287	.8877315	264.4630
#3	.0062552	.0060552	33.72269	.2606239	.1390106	.8952566	265.4135

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.111128	51.62085	.2529330	-.020812	1.286734	.4939848	.7574734
Stddev	.013281	.07440	.0012070	.000464	.162545	.0011930	.0011695
%RSD	.2173237	.1441282	.4772033	2.231647	12.63233	.2415004	.1543921
#1	6.106944	51.60142	.2543132	-.021284	1.146472	.4932120	.7587770
#2	6.100443	51.55810	.2524109	-.020796	1.248858	.4933837	.7565163
#3	6.125998	51.70304	.2520750	-.020356	1.464873	.4953588	.7571271

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	34.60893	8.570337	.2880850	.0020711	1.658650	2.164556	.0071985
Stddev	.05881	.019312	.0006474	.0005198	.009451	.005655	.0011200
%RSD	.1699358	.2253376	.2247247	25.09796	.5697737	.2612383	15.55911
#1	34.54521	8.554706	.2874807	.0025336	1.657840	2.169171	.0065182
#2	34.62045	8.591926	.2887683	.0015086	1.668479	2.158249	.0084912
#3	34.66113	8.564380	.2880059	.0021711	1.649630	2.166250	.0065861

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-05DLX2 Acquired: 10/26/2024 20:43:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE453D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.681569	.0845682	.2872026
Stddev	.002348	.0014859	.0002928
%RSD	.0875506	1.757039	.1019639
#1	2.679756	.0829900	.2868765
#2	2.680729	.0859402	.2874432
#3	2.684221	.0847743	.2872879

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1026.328	23574.02	2239.857	860.6120	1621.857
Stddev	2.427	63.09	4.830	3.3840	1.662
%RSD	.2365003	.2676288	.2156276	.3932083	.1024610
#1	1028.514	23642.46	2234.624	864.3135	1622.890
#2	1026.755	23518.18	2244.143	859.8455	1619.940
#3	1023.716	23561.42	2240.804	857.6770	1622.741

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-06DLX2 Acquired: 10/26/2024 20:47:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE453S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5850853	.0685042	.3239449	.1546790	.1717111	100.7878	5.240701
Stddev	.0046110	.0023639	.0038281	.0104411	.0063063	.2814	.006980
%RSD	.7880912	3.450738	1.181703	6.750142	3.672604	.2791572	.1331962
#1	.5859246	.0665197	.3195277	.1454671	.1651063	100.7345	5.234528
#2	.5892190	.0711195	.3262967	.1525491	.1776689	100.5369	5.239299
#3	.5801123	.0678733	.3260104	.1660208	.1723581	101.0920	5.248276

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1038436	.1056538	30.28632	.6205854	1.136500	1.253134	237.0421
Stddev	.0010409	.0005952	.05265	.0015131	.002553	.006336	.9958
%RSD	1.002413	.5633258	.1738420	.2438158	.2246295	.5055816	.4200784
#1	.1041989	.1052804	30.25438	.6216261	1.134060	1.247348	236.9364
#2	.1026715	.1063401	30.25748	.6188497	1.139153	1.252151	236.1034
#3	.1046604	.1053407	30.34709	.6212806	1.136287	1.259904	238.0865

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.140136	44.86976	1.230814	.0728344	1.064410	1.416505	1.482050
Stddev	.033971	.24274	.002923	.0005488	.103098	.017986	.003091
%RSD	.3716634	.5409949	.2374911	.7534330	9.685892	1.269747	.2085636
#1	9.118030	44.86702	1.229969	.0722798	1.118484	1.427152	1.481896
#2	9.123127	44.62840	1.234067	.0733771	1.129221	1.395739	1.485215
#3	9.179251	45.11386	1.228407	.0728462	.945524	1.426624	1.479039

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	30.83617	7.682984	.2579776	.0016852	1.348838	2.853387	.0049464
Stddev	.11132	.024678	.0017981	.0003763	.003996	.009333	.0027789
%RSD	.3609894	.3212096	.6969828	22.32992	.2962412	.3270811	56.17905
#1	30.82495	7.679653	.2572387	.0013131	1.350213	2.855797	.0050790
#2	30.73089	7.709159	.2566668	.0020655	1.351965	2.843086	.0021037
#3	30.95267	7.660140	.2600274	.0016769	1.344336	2.861279	.0076567

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-06DLX2 Acquired: 10/26/2024 20:47:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE453S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.385896	.0716370	.2752955
Stddev	.011664	.0013426	.0011282
%RSD	.4888803	1.874174	.4098207
#1	2.386045	.0712894	.2754394
#2	2.374158	.0731192	.2741023
#3	2.397485	.0705024	.2763449

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1020.335	23386.08	2187.197	852.6862	1635.127
Stddev	2.957	38.77	9.719	1.5615	5.580
%RSD	.2897955	.1657900	.4443702	.1831228	.3412749
#1	1022.035	23430.85	2184.445	853.9550	1637.477
#2	1016.921	23364.41	2197.995	850.9424	1628.756
#3	1022.049	23363.00	2179.150	853.1612	1639.147

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-04LDLX10 Acquired: 10/26/2024 20:52:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE453L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1092332	-.003377	.0590509	-.000118	.0045213	20.83166	.3024299
Stddev	.0031021	.003830	.0048515	.000844	.0005314	.06273	.0007984
%RSD	2.839881	113.4351	8.215862	713.7804	11.75338	.3011289	.2639842
#1	.1128062	.001044	.0563904	-.001071	.0049283	20.76048	.3026082
#2	.1072263	-.005459	.0561115	.000535	.0047155	20.85561	.3015575
#3	.1076673	-.005715	.0646506	.000182	.0039201	20.87889	.3031241

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010768	.0008515	6.640784	.0463190	.0265956	.1734372	51.77576
Stddev	.0001532	.0000763	.017279	.0014075	.0009303	.0035955	.11407
%RSD	14.22407	8.966650	.2602011	3.038764	3.498010	2.073115	.2203232
#1	.0011969	.0007870	6.627598	.0457799	.0258551	.1775561	51.75264
#2	.0011293	.0008318	6.634409	.0452608	.0262919	.1718288	51.89963
#3	.0009043	.0009358	6.660345	.0479164	.0276398	.1709266	51.67502

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.799120	9.609897	.0452421	-.003818	-.161866	.0957081	.1508557
Stddev	.005470	.079003	.0009765	.000341	.213192	.0010922	.0009931
%RSD	.3040333	.8221012	2.158342	8.930749	131.7088	1.141179	.6582752
#1	1.804745	9.698792	.0451583	-.004135	-.291680	.0962506	.1505647
#2	1.798796	9.583189	.0443103	-.003457	-.278100	.0964229	.1500406
#3	1.793819	9.547710	.0462578	-.003863	.084182	.0944509	.1519617

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.364590	1.544442	.0528322	.0002954	.2746775	.6058284	.0002441
Stddev	.033524	.026083	.0017247	.0001846	.0022517	.0063542	.0002744
%RSD	.5267202	1.688820	3.264386	62.49179	.8197716	1.048837	112.3882
#1	6.396344	1.547374	.0525062	.0005085	.2750602	.6019562	.0003522
#2	6.367885	1.517017	.0546966	.0001924	.2722589	.6023674	-.000068
#3	6.329540	1.568935	.0512939	.0001853	.2767133	.6131617	.000448

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-04LDLX10 Acquired: 10/26/2024 20:52:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE453L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5137773	.0113408	.0591993
Stddev	.0032573	.0021039	.0002949
%RSD	.6339913	18.55156	.4980852
#1	.5141665	.0131825	.0588839
#2	.5168226	.0090479	.0592457
#3	.5103429	.0117919	.0594682

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	977.7806	22159.06	2060.791	815.2681	1713.984
Stddev	14.9479	23.09	12.342	1.3094	31.418
%RSD	1.528755	.1041895	.5988921	.1606048	1.833041
#1	975.6561	22135.97	2071.268	816.7617	1713.617
#2	993.6770	22159.06	2063.918	814.3177	1745.584
#3	964.0086	22182.15	2047.186	814.7250	1682.751

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-07DLX2 Acquired: 10/26/2024 20:56:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE454 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1515224	-.025146	.1674120	-.005976	.0073894	85.17189	.8695869
Stddev	.0045504	.004978	.0006666	.007603	.0047542	.15876	.0040448
%RSD	3.003146	19.79791	.3981930	127.2318	64.33774	.1864020	.4651379
#1	.1563399	-.023526	.1668394	-.008612	.0083233	84.99427	.8684196
#2	.1509303	-.030732	.1672527	.002594	.0022376	85.30000	.8740870
#3	.1472970	-.021179	.1681438	-.011910	.0116074	85.22139	.8662542

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043782	.0036435	32.52036	.2000959	.1044773	.5175811	195.2345
Stddev	.0000218	.0001658	.11274	.0014762	.0005430	.0071635	1.0176
%RSD	.4977656	4.551883	.3466825	.7377248	.5197644	1.384031	.5212379
#1	.0044030	.0034974	32.50802	.1990037	.1042119	.5117709	194.5813
#2	.0043699	.0036094	32.63877	.2017753	.1041181	.5255849	196.4070
#3	.0043618	.0038238	32.41430	.1995087	.1051020	.5153876	194.7152

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.625274	38.75906	.1756423	-.016653	.8878988	.3751895	.5728206
Stddev	.023664	.03768	.0007367	.000403	.1048324	.0062921	.0029257
%RSD	.5116179	.0972192	.4194061	2.420043	11.80679	1.677044	.5107475
#1	4.616880	38.72621	.1755744	-.017092	.8149085	.3758753	.5698306
#2	4.651991	38.75078	.1749420	-.016301	1.008025	.3685825	.5729537
#3	4.606952	38.80019	.1764106	-.016566	.840763	.3811105	.5756775

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	29.46822	6.932019	.2221861	.0031231	1.731814	2.577382	.0038646
Stddev	.02632	.010629	.0007740	.0004189	.006739	.009635	.0023911
%RSD	.0893153	.1533385	.3483765	13.41222	.3891191	.3738315	61.87331
#1	29.46384	6.919972	.2219140	.0035752	1.728130	2.566258	.0065561
#2	29.49646	6.936009	.2230594	.0030459	1.727721	2.582746	.0019856
#3	29.44437	6.940077	.2215848	.0027482	1.739592	2.583140	.0030519

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-07DLX2 Acquired: 10/26/2024 20:56:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE454 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.370124	.0556346	.2280342
Stddev	.002084	.0018025	.0004229
%RSD	.0879443	3.239949	.1854685
#1	2.368937	.0543843	.2275914
#2	2.372530	.0548186	.2280772
#3	2.368903	.0577008	.2284340

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1018.693	23386.91	2251.216	854.2783	1639.509
Stddev	1.610	121.10	5.508	2.8738	2.868
%RSD	.1580197	.5178275	.2446698	.3363963	.1749438
#1	1018.230	23464.74	2257.570	857.5489	1640.018
#2	1020.483	23247.38	2248.283	853.1287	1642.089
#3	1017.365	23448.61	2247.794	852.1572	1636.420

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-08DLX2 Acquired: 10/26/2024 21:01:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE455 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1469893	-.021479	.1667102	.0017713	.0052637	83.38770	.9345539
Stddev	.0025159	.003019	.0022972	.0053983	.0028324	.19127	.0031326
%RSD	1.711638	14.05455	1.377934	304.7733	53.80893	.2293770	.3352027
#1	.1459831	-.018920	.1687529	-.000486	.0084156	83.29149	.9313309
#2	.1498526	-.020708	.1671542	.007932	.0029318	83.60798	.9375876
#3	.1451321	-.024808	.1642234	-.002132	.0044438	83.26364	.9347432

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043251	.0033733	62.97666	.1868447	.1001349	.5002490	184.6740
Stddev	.0003400	.0000653	.28842	.0011389	.0003876	.0028702	.7981
%RSD	7.861516	1.935809	.4579846	.6095703	.3870689	.5737594	.4321676
#1	.0046553	.0033883	62.76288	.1867722	.1000332	.4991516	184.0991
#2	.0043439	.0033018	63.30471	.1857438	.0998083	.4980894	185.5853
#3	.0039761	.0034298	62.86238	.1880182	.1005632	.5035060	184.3378

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.493919	43.96652	.1841570	-.013351	3.345100	.3562185	.5538279
Stddev	.019080	.26175	.0011471	.000358	.249724	.0118152	.0022206
%RSD	.4245758	.5953331	.6229138	2.682945	7.465373	3.316845	.4009552
#1	4.473548	43.75109	.1828696	-.012949	3.494831	.3678363	.5546617
#2	4.511373	44.25782	.1845305	-.013466	3.483653	.3566038	.5513110
#3	4.496835	43.89064	.1850707	-.013638	3.056815	.3442153	.5555108

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	31.35987	7.141416	.2843178	.0021465	2.469956	2.939106	.0018443
Stddev	.07748	.028420	.0020270	.0005654	.005204	.016678	.0009151
%RSD	.2470523	.3979585	.7129160	26.34242	.2106872	.5674509	49.61541
#1	31.29034	7.111055	.2827265	.0022242	2.473361	2.925469	.0028275
#2	31.44339	7.167383	.2865998	.0015463	2.463965	2.957701	.0016877
#3	31.34588	7.145811	.2836270	.0026691	2.472540	2.934149	.0010176

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-08DLX2 Acquired: 10/26/2024 21:01:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE455 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.404793	.0567979	.4191221
Stddev	.009616	.0001199	.0017539
%RSD	.3998826	.2111459	.4184609
#1	2.408470	.0567585	.4182827
#2	2.412029	.0569326	.4211379
#3	2.393881	.0567026	.4179457

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1005.538	23139.74	2223.729	844.8814	1615.883
Stddev	1.970	27.38	9.821	1.7767	3.307
%RSD	.1959358	.1183167	.4416539	.2102870	.2046348
#1	1004.611	23108.72	2230.309	843.6627	1619.291
#2	1007.801	23160.53	2212.440	846.9199	1615.671
#3	1004.202	23149.96	2228.438	844.0614	1612.688

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-09DLX2 Acquired: 10/26/2024 21:05:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE456 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1267475	-.028292	.1414502	.0041458	.0101667	88.85365	.6165931
Stddev	.0024362	.001368	.0035441	.0049067	.0013973	.31898	.0029595
%RSD	1.922088	4.836274	2.505519	118.3532	13.74426	.3589938	.4799834
#1	.1240385	-.028344	.1402940	.0071612	.0106091	88.59875	.6149257
#2	.1287584	-.026899	.1386287	.0067921	.0112892	89.21136	.6200101
#3	.1274458	-.029634	.1454280	-.001516	.0086017	88.75085	.6148434

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0041115	.0015544	61.91244	.2368703	.1255516	.4559341	224.9915
Stddev	.0001124	.0001507	.19876	.0007251	.0007526	.0040280	.4798
%RSD	2.733347	9.693394	.3210275	.3061296	.5994593	.8834700	.2132394
#1	.0042412	.0016338	61.87040	.2375772	.1257130	.4535850	224.4893
#2	.0040439	.0016488	62.12885	.2361283	.1262105	.4605852	225.0400
#3	.0040492	.0013807	61.73807	.2369053	.1247314	.4536321	225.4451

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.213039	58.76236	.2371974	-.015385	1.545345	.5053339	.4040895
Stddev	.006268	.28841	.0005174	.000760	.103410	.0054867	.0022191
%RSD	.1487788	.4908030	.2181246	4.942314	6.691700	1.085756	.5491529
#1	4.213666	58.51632	.2369711	-.014511	1.604515	.5036450	.4042411
#2	4.218970	59.07974	.2377893	-.015757	1.605581	.5008902	.4017985
#3	4.206481	58.69102	.2368316	-.015888	1.425939	.5114665	.4062289

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.85976	4.832308	.2450426	.0002213	1.345145	2.136842	.0042495
Stddev	.09994	.017384	.0028743	.0003156	.005842	.004639	.0012371
%RSD	.4188594	.3597469	1.172978	142.6240	.4342728	.2170979	29.11160
#1	23.74490	4.816702	.2444684	-.000092	1.348793	2.132809	.0029771
#2	23.90758	4.851045	.2424987	.000217	1.348235	2.141912	.0054480
#3	23.92681	4.829176	.2481606	.000539	1.338408	2.135805	.0043233

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-09DLX2 Acquired: 10/26/2024 21:05:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE456 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.451982	.0506917	.2487136
Stddev	.014122	.0016416	.0008894
%RSD	.5759606	3.238461	.3575865
#1	2.446496	.0500928	.2480693
#2	2.468025	.0494335	.2497283
#3	2.441427	.0525486	.2483433

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	992.8681	22859.88	2117.400	831.3629	1619.830
Stddev	.8979	61.35	2.261	4.9321	2.899
%RSD	.0904307	.2683900	.1067897	.5932558	.1789774
#1	991.8901	22791.16	2119.292	827.5724	1619.228
#2	993.0590	22879.32	2118.012	836.9392	1617.279
#3	993.6551	22909.16	2114.896	829.5772	1622.983

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-10DLX2 Acquired: 10/26/2024 21:09:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE457 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2870725	-.036055	.2659031	-.001171	.0089588	103.0845	1.153150
Stddev	.0043885	.004460	.0074891	.000710	.0030168	.3376	.002979
%RSD	1.528704	12.37010	2.816475	60.59760	33.67470	.3274519	.2583368
#1	.2820051	-.030922	.2616120	-.001680	.0118201	102.7429	1.150218
#2	.2896099	-.038978	.2615467	-.001473	.0092488	103.4178	1.156174
#3	.2896024	-.038266	.2745507	-.000360	.0058074	103.0927	1.153060

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0061482	.0054534	19.40554	.2353245	.1452925	.8551745	254.2763
Stddev	.0000706	.0001189	.10542	.0011212	.0008945	.0063908	.5282
%RSD	1.148046	2.180936	.5432505	.4764362	.6156252	.7473059	.2077085
#1	.0061135	.0054694	19.28662	.2356969	.1459463	.8593678	253.8330
#2	.0061016	.0055635	19.48755	.2362121	.1442732	.8583366	254.8607
#3	.0062294	.0053272	19.44243	.2340645	.1456581	.8478192	254.1351

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.291025	47.31305	.2656435	-.020656	.9282084	.4677080	.6677048
Stddev	.012106	.40115	.0007022	.000596	.1739048	.0058041	.0021628
%RSD	.1924333	.8478637	.2643329	2.885732	18.73554	1.240970	.3239153
#1	6.301244	47.32411	.2651024	-.021312	1.035525	.4633281	.6664999
#2	6.277655	47.70856	.2653911	-.020506	1.021537	.4742911	.6664128
#3	6.294176	46.90649	.2664370	-.020149	.727563	.4655048	.6702017

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	31.69616	5.610694	.2663351	.0025293	.6986068	2.210895	.0075126
Stddev	.06169	.029241	.0008917	.0001467	.0050575	.010554	.0029095
%RSD	.1946227	.5211619	.3348239	5.799013	.7239352	.4773441	38.72761
#1	31.63329	5.578981	.2660378	.0023788	.7013049	2.205309	.0089036
#2	31.69862	5.616513	.2673375	.0025374	.6927725	2.223067	.0041688
#3	31.75659	5.636588	.2656300	.0026718	.7017431	2.204308	.0094655

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-10DLX2 Acquired: 10/26/2024 21:09:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE457 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.363782	.0798501	.2186914
Stddev	.002616	.0015628	.0009548
%RSD	.1106860	1.957140	.4366139
#1	2.360976	.0787387	.2176308
#2	2.364215	.0816370	.2194825
#3	2.366154	.0791745	.2189609

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1027.434	23599.71	2220.113	866.3472	1634.572
Stddev	1.634	34.54	7.819	3.3921	2.277
%RSD	.1590056	.1463531	.3521721	.3915359	.1392914
#1	1025.718	23633.77	2227.494	866.1891	1631.970
#2	1027.614	23600.64	2211.920	869.8156	1636.199
#3	1028.970	23564.71	2220.925	863.0370	1635.547

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-11DLX2 Acquired: 10/26/2024 21:14:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE458 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1828222	-.023733	.2131844	-.003137	.0078879	81.99422
Stddev	.0035982	.002782	.0039057	.005473	.0017891	.18320
%RSD	1.968124	11.72191	1.832089	174.4560	22.68142	.2234267
#1	.1868903	-.021650	.2103346	-.007758	.0093314	81.79491
#2	.1815198	-.026893	.2176364	-.004562	.0058863	82.03251
#3	.1800567	-.022657	.2115822	.002907	.0084460	82.15525

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9997071	.0044793	.0045593	50.53452	.1941868	.1242556
Stddev	.0033216	.0000583	.0001318	.10628	.0010472	.0011381
%RSD	.3322589	1.301895	2.889611	.2103077	.5392705	.9159370
#1	1.002156	.0044132	.0045445	50.65268	.1953215	.1254557
#2	.995926	.0045012	.0044357	50.50414	.1932576	.1231918
#3	1.001038	.0045234	.0046979	50.44674	.1939815	.1241192

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6330411	200.3835	5.405671	41.17419	.1919128	-.014502
Stddev	.0019056	.2064	.015249	.23430	.0008348	.000428
%RSD	.3010243	.1029963	.2820963	.5690565	.4349899	2.954681
#1	.6308751	200.3842	5.402269	41.42298	.1911438	-.014890
#2	.6344599	200.5896	5.392410	41.14189	.1928007	-.014573
#3	.6337883	200.1768	5.422334	40.95772	.1917940	-.014042

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.064479	.3810773	.6566460	29.74733	F 10.57215	.2506197
Stddev	.175888	.0067443	.0014326	.06527	.02054	.0024262
%RSD	16.52334	1.769785	.2181692	.2194109	.1942820	.9680608
#1	1.124649	.3845241	.6582992	29.67629	10.58319	.2511259
#2	.866403	.3733062	.6557685	29.80465	10.54845	.2527529
#3	1.202386	.3854016	.6558703	29.76104	10.58482	.2479804

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-11DLX2 Acquired: 10/26/2024 21:14:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE458 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018912	1.843104	2.236870	.0026721	1.984513	.0644518
Stddev	.0003799	.007189	.004140	.0022775	.008685	.0017377
%RSD	20.08996	.3900482	.1850876	85.23018	.4376361	2.696132
#1	.0015956	1.849113	2.236741	.0034925	1.976101	.0647176
#2	.0017581	1.835140	2.241074	.0000982	1.983991	.0625965
#3	.0023197	1.845061	2.232796	.0044258	1.993448	.0660413

Elem	Sr4077
Units	ppm
Avg	.4579608
Stddev	.0015189
%RSD	.3316752
#1	.4562275
#2	.4585949
#3	.4590598

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1010.491	23197.29	2236.142	848.5930	1623.710
Stddev	1.724	25.46	2.697	2.2737	3.222
%RSD	.1706186	.1097731	.1206074	.2679351	.1984245
#1	1011.542	23224.16	2239.047	846.6703	1622.995
#2	1011.429	23194.20	2233.718	848.0060	1627.229
#3	1008.501	23173.52	2235.661	851.1026	1620.905

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-12DLX2 Acquired: 10/26/2024 21:18:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE459 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2441205	-.029192	.2551444	-.005321	.0119509	91.54115	1.118449
Stddev	.0094342	.002459	.0030563	.000829	.0018582	.61654	.006034
%RSD	3.864589	8.423981	1.197884	15.58417	15.54840	.6735090	.5395135
#1	.2457401	-.031797	.2554978	-.005206	.0106455	90.85748	1.112035
#2	.2526401	-.028868	.2519267	-.006202	.0140783	91.71101	1.119296
#3	.2339813	-.026911	.2580087	-.004555	.0111290	92.05494	1.124014

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052971	.0063580	43.61139	.2200885	.1287958	.8298562	229.3130
Stddev	.0001059	.0001869	.22277	.0005597	.0006942	.0085669	1.4466
%RSD	2.000059	2.940266	.5108087	.2542911	.5389604	1.032333	.6308381
#1	.0051747	.0065079	43.36756	.2197840	.1294579	.8208099	227.6740
#2	.0053559	.0061485	43.66232	.2207344	.1288561	.8309133	229.8535
#3	.0053605	.0064175	43.80428	.2197471	.1280735	.8378455	230.4115

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.892547	43.45860	.2350776	-.018297	1.584309	.4307985	.6934518
Stddev	.029650	.44749	.0010893	.000325	.319678	.0074521	.0016909
%RSD	.5031839	1.029694	.4633744	1.778891	20.17775	1.729822	.2438330
#1	5.867089	43.08937	.2348927	-.017969	1.254846	.4394031	.6949021
#2	5.885449	43.33017	.2340927	-.018303	1.604872	.4264447	.6915946
#3	5.925102	43.95626	.2362476	-.018620	1.893209	.4265475	.6938587

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	33.64920	9.098756	.2543765	.0016568	1.657577	2.346392	.0050372
Stddev	.42012	.010681	.0018299	.0001617	.011369	.011590	.0020868
%RSD	1.248540	.1173909	.7193878	9.761602	.6858595	.4939485	41.42867
#1	33.22273	9.109269	.2531291	.0017598	1.669806	2.333067	.0033164
#2	33.66220	9.099085	.2535231	.0017402	1.647329	2.351986	.0044367
#3	34.06268	9.087915	.2564772	.0014704	1.655595	2.354124	.0073584

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-12DLX2 Acquired: 10/26/2024 21:18:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE459 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.107042	.0675862	.2967013
Stddev	.007370	.0020783	.0020387
%RSD	.3497900	3.075072	.6871083
#1	2.098645	.0671509	.2943816
#2	2.110037	.0698477	.2975146
#3	2.112442	.0657600	.2982079

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1015.147	23487.39	2264.543	860.3637	1615.153
Stddev	3.340	48.24	17.565	.6838	4.346
%RSD	.3290381	.2053825	.7756672	.0794798	.2690918
#1	1018.996	23456.25	2283.346	859.5805	1618.390
#2	1013.010	23462.95	2261.729	860.6680	1616.855
#3	1013.434	23542.95	2248.555	860.8425	1610.213

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-13DLX2 Acquired: 10/26/2024 21:23:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE460 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1482987	-.025429	.2026551	.0007430	.0065479	82.93415	.9493111
Stddev	.0020717	.001805	.0018966	.0028097	.0017051	.34214	.0043819
%RSD	1.396981	7.098710	.9358703	378.1276	26.03976	.4125473	.4615894
#1	.1473147	-.026829	.2041064	.0032806	.0074353	83.00057	.9509585
#2	.1469024	-.026065	.2033498	.0012249	.0076261	82.56368	.9443442
#3	.1506790	-.023391	.2005092	-.002276	.0045821	83.23822	.9526305

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044068	.0046652	54.12239	.1795692	.0975913	.6810753	180.0356
Stddev	.0001683	.0001912	.08041	.0010566	.0003925	.0042977	.5653
%RSD	3.818987	4.097410	.1485786	.5884130	.4021986	.6310208	.3140062
#1	.0045984	.0044547	54.13615	.1798264	.0979199	.6795480	179.8802
#2	.0043391	.0047130	54.03599	.1804735	.0971567	.6777498	179.5643
#3	.0042828	.0048279	54.19504	.1784077	.0976974	.6859281	180.6624

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.802382	39.95379	.1774436	-.013006	1.326772	.3280312	.6363406
Stddev	.020474	.12547	.0007175	.000887	.049268	.0033611	.0008199
%RSD	.4263256	.3140271	.4043637	6.816322	3.713345	1.024635	.1288516
#1	4.795941	39.81701	.1768354	-.012328	1.378645	.3254360	.6353963
#2	4.785903	39.98083	.1772605	-.012680	1.321063	.3318280	.6367529
#3	4.825302	40.06353	.1782349	-.014009	1.280607	.3268297	.6368726

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	30.07935	9.238606	.2295667	.0023606	2.479616	2.518095	.0034479
Stddev	.14320	.013609	.0021567	.0008000	.009134	.002636	.0007618
%RSD	.4760615	.1473058	.9394700	33.89087	.3683653	.1046971	22.09432
#1	30.15858	9.223362	.2299164	.0017174	2.470661	2.516498	.0041897
#2	29.91405	9.249533	.2272564	.0021079	2.488919	2.516649	.0026676
#3	30.16542	9.242923	.2315271	.0032564	2.479269	2.521138	.0034864

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-13DLX2 Acquired: 10/26/2024 21:23:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE460 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.143630	.0581865	.4208479
Stddev	.010730	.0018973	.0017377
%RSD	.5005492	3.260675	.4129033
#1	2.143334	.0590283	.4214769
#2	2.133051	.0560140	.4188833
#3	2.154504	.0595173	.4221835

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1004.266	23106.80	2167.637	842.2420	1621.897
Stddev	1.016	87.05	7.036	1.0241	1.480
%RSD	.1011198	.3767503	.3245959	.1215901	.0912304
#1	1005.427	23008.39	2167.856	842.6157	1622.862
#2	1003.829	23173.77	2174.560	843.0267	1620.193
#3	1003.542	23138.23	2160.493	841.0835	1622.635

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-14DLX2 Acquired: 10/26/2024 21:27:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE461 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1641467	-.021751	.1907699	-.003698	.0098972	75.65309	.8097365
Stddev	.0067831	.005371	.0008434	.003211	.0019912	.41754	.0025021
%RSD	4.132358	24.69556	.4421111	86.83012	20.11827	.5519123	.3090052
#1	.1566274	-.015660	.1916660	-.006893	.0093098	76.08927	.8124391
#2	.1698053	-.025810	.1906520	-.003728	.0121160	75.25709	.8075005
#3	.1660075	-.023782	.1899916	-.000472	.0082659	75.61292	.8092699

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0045911	.0034725	25.34343	.1729284	.0954658	.5303117	192.0743
Stddev	.0002036	.0000688	.07326	.0004554	.0001371	.0067526	.9997
%RSD	4.435547	1.981036	.2890609	.2633676	.1435591	1.273323	.5204676
#1	.0048250	.0035430	25.36849	.1733851	.0956230	.5346643	193.0535
#2	.0044525	.0034055	25.26093	.1729259	.0953718	.5337380	191.0553
#3	.0044960	.0034691	25.40086	.1724743	.0954024	.5225329	192.1140

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.534614	35.70449	.1660730	-.015618	.7751363	.3538355	.5600045
Stddev	.025109	.09187	.0004393	.000378	.1320634	.0016204	.0053543
%RSD	.5537119	.2573104	.2645348	2.420528	17.03744	.4579579	.9561204
#1	4.555752	35.79792	.1656691	-.015207	.9188597	.3548075	.5588689
#2	4.506860	35.61426	.1665407	-.015950	.7474157	.3519648	.5553091
#3	4.541229	35.70128	.1660090	-.015699	.6591336	.3547341	.5658355

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.62506	7.514322	.2093209	.0023131	1.284452	2.593782	.0039474
Stddev	.19738	.028834	.0001838	.0002927	.010635	.017402	.0027402
%RSD	.8354498	.3837150	.0877881	12.65265	.8280102	.6709179	69.41755
#1	23.84047	7.498925	.2095248	.0022536	1.293225	2.607420	.0016340
#2	23.58182	7.496456	.2092696	.0020548	1.272623	2.574183	.0032346
#3	23.45289	7.547586	.2091682	.0026310	1.287506	2.599745	.0069735

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-14DLX2 Acquired: 10/26/2024 21:27:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE461 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.950859	.0507158	.2389620
Stddev	.004815	.0006184	.0018213
%RSD	.2467929	1.219404	.7621534
#1	1.955727	.0500457	.2410628
#2	1.946099	.0512646	.2378289
#3	1.950751	.0508372	.2379942

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1005.169	23164.14	2127.785	848.4975	1650.373
Stddev	.380	39.21	14.455	8.9229	1.647
%RSD	.0378397	.1692916	.6793280	1.051613	.0997700
#1	1005.232	23157.72	2113.871	851.7401	1652.062
#2	1005.514	23206.17	2142.726	855.3458	1648.773
#3	1004.761	23128.53	2126.758	838.4067	1650.284

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-15DLX2 Acquired: 10/26/2024 21:31:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE462 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1835271	-.034259	.1670364	-.003998	.0079124	114.4634	.9095463
Stddev	.0077854	.001628	.0018529	.009419	.0003906	.1654	.0015534
%RSD	4.242118	4.750732	1.109285	235.5869	4.935985	.1445139	.1707850
#1	.1786217	-.036137	.1677346	-.006508	.0074650	114.3047	.9103522
#2	.1794556	-.033257	.1684387	-.011908	.0080871	114.6348	.9105310
#3	.1925041	-.033383	.1649358	.006421	.0081852	114.4505	.9077556

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0063429	.0021383	72.19076	.2068798	.1420626	.4439027	247.8413
Stddev	.0000672	.0002062	.05675	.0010230	.0003370	.0012633	.1136
%RSD	1.059525	9.643584	.0786089	.4944821	.2372115	.2845905	.0458316
#1	.0064092	.0021009	72.13340	.2062569	.1417677	.4449828	247.8351
#2	.0063446	.0019533	72.19200	.2063221	.1419901	.4442118	247.9578
#3	.0062749	.0023606	72.24687	.2080605	.1424299	.4425136	247.7309

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.827235	63.48635	.3254911	-.017878	4.665839	.5083058	.4718135
Stddev	.009003	.38814	.0007435	.000771	.140425	.0062642	.0013479
%RSD	.1865101	.6113789	.2284210	4.313786	3.009641	1.232365	.2856944
#1	4.820728	63.07296	.3248053	-.018757	4.827861	.5072418	.4728732
#2	4.837510	63.84299	.3253868	-.017315	4.579277	.5150339	.4702963
#3	4.823466	63.54311	.3262812	-.017561	4.590378	.5026418	.4722709

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.42185	8.056770	.2555650	.0021011	.9033436	1.683097	.0034334
Stddev	.07636	.012128	.0014813	.0001415	.0051294	.003679	.0025463
%RSD	.4145202	.1505339	.5796065	6.734910	.5678284	.2186014	74.16404
#1	18.42225	8.053136	.2560337	.0022644	.8985939	1.680436	.0012205
#2	18.34529	8.046875	.2539061	.0020219	.9026540	1.687295	.0062165
#3	18.49801	8.070300	.2567553	.0020168	.9087830	1.681558	.0028632

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-15DLX2 Acquired: 10/26/2024 21:31:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE462 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.376616	.0563661	1.267609
Stddev	.009885	.0002227	.000518
%RSD	.2258605	.3951269	.0408989
#1	4.365273	.0561580	1.267903
#2	4.383394	.0566010	1.267914
#3	4.381181	.0563394	1.267011

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1013.026	23434.73	2217.562	855.3849	1591.908
Stddev	2.326	62.34	7.715	.5668	3.337
%RSD	.2296329	.2660261	.3478827	.0662665	.2096538
#1	1015.041	23506.66	2226.031	854.7372	1594.970
#2	1013.556	23396.31	2210.936	855.6271	1592.402
#3	1010.480	23401.22	2215.720	855.7903	1588.350

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-16DLX2 Acquired: 10/26/2024 21:36:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE463 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1511096	-.034274	.1179937	-.001993	.0068722	108.9918	.5696836
Stddev	.0015894	.003765	.0022145	.006889	.0009696	.0842	.0014252
%RSD	1.051800	10.98570	1.876764	345.6971	14.10848	.0772289	.2501765
#1	.1514505	-.031517	.1183673	-.000627	.0064033	109.0831	.5708945
#2	.1525009	-.038564	.1156162	-.009462	.0079871	108.9173	.5681130
#3	.1493774	-.032741	.1199976	.004111	.0062262	108.9749	.5700434

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040003	.0017987	45.27804	.3387428	.1580066	.5785649	242.2927
Stddev	.0001379	.0000230	.09484	.0002282	.0011027	.0040809	.8085
%RSD	3.447937	1.279631	.2094604	.0673794	.6978897	.7053475	.3336677
#1	.0040551	.0018032	45.38347	.3388919	.1580521	.5832643	242.8259
#2	.0041024	.0018192	45.25097	.3388564	.1568818	.5765160	242.6896
#3	.0038434	.0017738	45.19968	.3384800	.1590859	.5759145	241.3625

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.724161	73.33536	.3130252	-.017688	1.658778	.5257051	.3977305
Stddev	.017624	.31376	.0011087	.000177	.179938	.0150904	.0019861
%RSD	.3730691	.4278410	.3541851	1.001907	10.84759	2.870514	.4993466
#1	4.743570	73.66819	.3117473	-.017892	1.550352	.5404602	.3991927
#2	4.719755	73.29287	.3137296	-.017604	1.866485	.5103003	.3954694
#3	4.709158	73.04501	.3135989	-.017569	1.559498	.5263549	.3985293

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.00110	3.930856	.2461528	-.000712	.8713012	1.974945	.0018446
Stddev	.09367	.012654	.0015264	.000496	.0177803	.012067	.0021628
%RSD	.4929478	.3219191	.6200828	69.67572	2.040661	.6109990	117.2494
#1	19.03847	3.926158	.2444430	-.000376	.8540153	1.983807	.0019361
#2	18.89452	3.921223	.2473781	-.000478	.8895377	1.979826	-.000362
#3	19.07031	3.945187	.2466373	-.001281	.8703506	1.961203	.003960

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-16DLX2 Acquired: 10/26/2024 21:36:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE463 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.307119	.0587090	.1812049
Stddev	.006795	.0019197	.0001207
%RSD	.2945435	3.269803	.0666044
#1	2.314856	.0567240	.1812085
#2	2.302120	.0605559	.1813238
#3	2.304380	.0588472	.1810825

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	993.0260	22913.65	2193.496	832.0031	1607.479
Stddev	.6638	59.42	12.506	3.4117	3.152
%RSD	.0668479	.2593024	.5701519	.4100526	.1960898
#1	993.7242	22857.65	2182.655	831.5608	1610.229
#2	992.9509	22975.98	2190.655	835.6144	1608.169
#3	992.4029	22907.31	2207.179	828.8342	1604.039

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-17DLX2 Acquired: 10/26/2024 21:40:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE464 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2522607	-.031857	.1927756	-.001004	.0091247	97.54053	1.133687
Stddev	.0064712	.001989	.0022595	.001467	.0028589	.24582	.003295
%RSD	2.565302	6.243731	1.172099	146.0363	31.33124	.2520141	.2906587
#1	.2591805	-.033704	.1902437	.000082	.0058555	97.65485	1.136686
#2	.2512429	-.029751	.1945872	-.000422	.0103621	97.25838	1.130159
#3	.2463586	-.032115	.1934959	-.002673	.0111564	97.70837	1.134215

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053523	.0036518	58.70250	.2166961	.1133405	.5492576	231.0158
Stddev	.0000479	.0001814	.16995	.0022888	.0007838	.0028119	.4435
%RSD	.8948644	4.966753	.2895070	1.056237	.6915696	.5119501	.1919991
#1	.0053192	.0034444	58.80782	.2185368	.1139852	.5513952	230.9613
#2	.0053305	.0037806	58.50644	.2174181	.1124680	.5460722	230.6019
#3	.0054072	.0037305	58.79324	.2141333	.1135682	.5503054	231.4840

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.200528	49.42138	.2242063	-.018305	3.960229	.4442453	.5652026
Stddev	.004218	.25667	.0016221	.000596	.295607	.0030687	.0009602
%RSD	.0680331	.5193556	.7234656	3.255756	7.464399	.6907549	.1698837
#1	6.205393	49.40056	.2250033	-.018138	4.210521	.4453969	.5653161
#2	6.197893	49.17575	.2223399	-.017810	3.634088	.4465715	.5661010
#3	6.198298	49.68782	.2252756	-.018966	4.036080	.4407674	.5641907

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.95138	6.440172	.3482737	.0026881	2.216557	2.379653	.0064015
Stddev	.05189	.035223	.0016993	.0003304	.026303	.010001	.0020837
%RSD	.1856484	.5469295	.4879241	12.29302	1.186650	.4202852	32.54933
#1	28.00008	6.474510	.3493092	.0029335	2.239663	2.390704	.0040260
#2	27.95727	6.404126	.3491994	.0023124	2.187933	2.377034	.0072590
#3	27.89680	6.441881	.3463125	.0028186	2.222075	2.371222	.0079197

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-17DLX2 Acquired: 10/26/2024 21:40:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE464 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.232905	.0739760	.4125313
Stddev	.007698	.0005950	.0008029
%RSD	.3447464	.8043197	.1946401
#1	2.227977	.0744262	.4129436
#2	2.228962	.0733014	.4116060
#3	2.241775	.0742004	.4130444

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1015.713	23379.82	2240.045	854.6931	1605.997
Stddev	4.321	43.79	5.454	2.7390	5.528
%RSD	.4254275	.1872872	.2434763	.3204642	.3442244
#1	1015.862	23395.07	2234.939	857.6139	1601.897
#2	1019.957	23330.45	2245.791	852.1821	1612.284
#3	1011.319	23413.95	2239.407	854.2831	1603.810

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-18DLX2 Acquired: 10/26/2024 21:45:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE465 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2174314	-.030190	.2040453	.0030755	.0069902	118.5249	1.270125
Stddev	.0043314	.003247	.0054624	.0078606	.0020748	.7935	.006187
%RSD	1.992086	10.75512	2.677064	255.5919	29.68067	.6694857	.4871478
#1	.2219417	-.033003	.1989581	.0094462	.0051431	119.4354	1.277008
#2	.2170482	-.030929	.2033596	.0054890	.0092350	117.9806	1.265025
#3	.2133043	-.026637	.2098182	-.005709	.0065926	118.1588	1.268342

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059167	.0036082	70.07511	.2294117	.1411514	.6368562	239.8566
Stddev	.0003095	.0001384	.36489	.0006956	.0004830	.0047523	1.1568
%RSD	5.230073	3.834379	.5207110	.3032159	.3421687	.7462157	.4822938
#1	.0060920	.0036462	70.49562	.2288911	.1411921	.6387738	241.0615
#2	.0060986	.0037236	69.88774	.2302017	.1416127	.6314447	239.7535
#3	.0055594	.0034548	69.84198	.2291422	.1406494	.6403502	238.7547

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.589995	56.82088	.2962358	-.017491	1.315972	.4602742	.5592559
Stddev	.038434	.22434	.0001496	.000517	.127547	.0021457	.0014976
%RSD	.5832185	.3948276	.0505034	2.956121	9.692227	.4661833	.2677754
#1	6.634003	57.06465	.2961168	-.017290	1.346831	.4584267	.5586322
#2	6.563025	56.77494	.2964038	-.018078	1.175826	.4626277	.5609645
#3	6.572957	56.62307	.2961870	-.017104	1.425258	.4597682	.5581710

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.05616	9.591057	.2564650	.0011717	1.163663	3.735979	.0030962
Stddev	.32824	.015951	.0027269	.0011280	.006930	.009687	.0023613
%RSD	1.213189	.1663098	1.063252	96.26862	.5955417	.2592855	76.26551
#1	27.43359	9.602956	.2594738	.0005715	1.168119	3.746892	.0051683
#2	26.83734	9.597283	.2557645	.0024728	1.167192	3.732646	.0005253
#3	26.89757	9.572933	.2541568	.0004707	1.155679	3.728398	.0035951

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-18DLX2 Acquired: 10/26/2024 21:45:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE465 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	3.006551	.0711974	.8760980
Stddev	.014487	.0023153	.0071463
%RSD	.4818323	3.251977	.8157007
#1	3.023179	.0731742	.8843291
#2	2.996655	.0686502	.8714764
#3	2.999820	.0717678	.8724884

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1016.617	23372.63	2183.434	852.4748	1599.443
Stddev	1.032	37.94	11.355	2.4991	3.403
%RSD	.1014791	.1623341	.5200538	.2931578	.2127753
#1	1015.807	23330.98	2170.409	851.2914	1596.190
#2	1017.779	23405.23	2188.640	850.7872	1599.160
#3	1016.265	23381.68	2191.252	855.3458	1602.978

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-19DLX2 Acquired: 10/26/2024 21:49:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE466 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2034084	-.031623	.2279162	.0034228	.0106911	91.25342	.9780175
Stddev	.0076050	.004556	.0014412	.0029125	.0022384	.08701	.0023342
%RSD	3.738777	14.40715	.6323194	85.09013	20.93757	.0953468	.2386681
#1	.1955785	-.026769	.2295061	.0005606	.0083789	91.21025	.9760749
#2	.2107665	-.032292	.2266957	.0033248	.0128477	91.35357	.9806069
#3	.2038803	-.035807	.2275467	.0063831	.0108467	91.19644	.9773706

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053053	.0049238	38.17030	.2016791	.1129352	.7756220	217.6421
Stddev	.0001667	.0001437	.10579	.0006965	.0005921	.0060079	.6010
%RSD	3.141741	2.917511	.2771561	.3453437	.5242572	.7745854	.2761494
#1	.0053676	.0048202	38.05042	.2012656	.1136149	.7825536	217.3004
#2	.0054318	.0048633	38.25058	.2024832	.1126588	.7723977	218.3360
#3	.0051164	.0050878	38.20989	.2012885	.1125319	.7719145	217.2897

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.001711	42.67764	.2110071	-.016939	1.313930	.4180521	.6305437
Stddev	.028594	.07251	.0007750	.000508	.184522	.0086815	.0030124
%RSD	.5716791	.1699051	.3672667	3.000369	14.04353	2.076664	.4777394
#1	4.987319	42.61165	.2107395	-.016733	1.386416	.4080344	.6335929
#2	5.034641	42.75527	.2104013	-.017518	1.104171	.4233817	.6275696
#3	4.983173	42.66602	.2118804	-.016567	1.451203	.4227403	.6304688

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.98690	7.184569	.2376644	.0011765	1.816785	3.518848	.0030281
Stddev	.09898	.007888	.0023531	.0002193	.008252	.016726	.0006987
%RSD	.3536740	.1097960	.9901072	18.63812	.4542334	.4753209	23.07524
#1	28.09247	7.176395	.2364490	.0014217	1.807348	3.510261	.0037974
#2	27.97205	7.185174	.2403767	.0009991	1.822648	3.538124	.0024330
#3	27.89618	7.192137	.2361674	.0011088	1.820359	3.508160	.0028538

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-19DLX2 Acquired: 10/26/2024 21:49:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE466 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.462641	.0609201	.2827888
Stddev	.004738	.0009583	.0004815
%RSD	.1923934	1.573126	.1702572
#1	2.462932	.0619246	.2830498
#2	2.467227	.0608197	.2830835
#3	2.457764	.0600158	.2822332

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1012.545	23383.82	2179.937	856.7927	1625.945
Stddev	.675	45.53	6.856	4.5957	1.578
%RSD	.0666507	.1947039	.3145102	.5363858	.0970747
#1	1011.766	23333.04	2178.671	852.4611	1627.629
#2	1012.915	23421.02	2173.802	861.6134	1625.706
#3	1012.954	23397.39	2187.338	856.3037	1624.500

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCV007 Acquired: 10/26/2024 21:53:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV007 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.128537	4.757570	25.08782	4.714276	4.803557	408.9051	10.17849
Stddev	.019874	.017849	.09951	.011916	.006875	.4790	.01539
%RSD	.3875129	.3751790	.3966463	.2527738	.1431245	.1171304	.1512135
#1	5.109322	4.737139	24.97840	4.710030	4.802519	409.4580	10.19514
#2	5.127279	4.770136	25.11215	4.727734	4.810893	408.6411	10.17555
#3	5.149009	4.765435	25.17290	4.705064	4.797261	408.6163	10.16478

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5386976	2.534465	410.3476	15.14300	2.534470	14.70938	412.8337
Stddev	.0045507	.011655	.9250	.01325	.007340	.01062	.7266
%RSD	.8447590	.4598525	.2254158	.0874761	.2895978	.0721655	.1759939
#1	.5435495	2.522353	411.4145	15.13142	2.526923	14.71344	413.6531
#2	.5345243	2.535440	409.7707	15.14013	2.534903	14.69733	412.2682
#3	.5380192	2.545601	409.8577	15.15744	2.541583	14.71736	412.5796

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.85494	415.8379	2.516205	1.298238	405.7001	2.469632	14.44685
Stddev	.04119	.6541	.007684	.002998	.5997	.005026	.12877
%RSD	.2772833	.1572999	.3053657	.2309085	.1478069	.2035029	.8913153
#1	14.90163	416.5447	2.508601	1.301601	406.3925	2.465122	14.46158
#2	14.82375	415.2538	2.516048	1.295848	405.3543	2.468725	14.56762
#3	14.83944	415.7153	2.523966	1.297264	405.3534	2.475050	14.31135

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	154.3426	4.939061	5.026807	4.746615	5.059848	4.985327	5.042079
Stddev	.3302	.009994	.025181	.012333	.030925	.032258	.022981
%RSD	.2139694	.2023548	.5009336	.2598287	.6111922	.6470616	.4557838
#1	154.6581	4.931547	5.030406	4.733055	5.039488	5.001012	5.021299
#2	154.3703	4.935232	5.000020	4.749626	5.044621	4.948225	5.038178
#3	153.9993	4.950404	5.049994	4.757164	5.095434	5.006742	5.066761

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCV007 Acquired: 10/26/2024 21:53:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV007 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.924882	5.092811	4.993150
Stddev	.013640	.005648	.006784
%RSD	.2769658	.1109007	.1358632
#1	4.940507	5.097905	5.000979
#2	4.915355	5.093791	4.989484
#3	4.918782	5.086737	4.988989

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	762.6415	19763.21	1937.719	603.7582	1325.941
Stddev	1.4166	29.46	6.118	5.8780	4.366
%RSD	.1857472	.1490846	.3157491	.9735643	.3292520
#1	764.2648	19763.46	1933.707	602.9910	1330.427
#2	761.6557	19733.61	1944.761	598.3015	1325.691
#3	762.0038	19792.54	1934.688	609.9821	1321.706

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCB007 Acquired: 10/26/2024 21:58:11 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB007 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001506	.0013813	.0025678	.0001908	-.000631	.0306395	.0006382
Stddev	.001802	.0016388	.0013843	.0014544	.001500	.0195061	.0002655
%RSD	119.6191	118.6447	53.91045	762.3795	237.8807	63.66319	41.59825
#1	-.002954	.0016917	.0020496	.0002317	-.002169	.0484269	.0003382
#2	.000511	.0028427	.0015173	-.001284	.000829	.0097794	.0008427
#3	-.002076	-.000391	.0041364	.001624	-.000552	.0337122	.0007337

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000133	.0000388	.0245398	.0002936	.0004450	-.001422	.0248695
Stddev	.000049	.0000654	.0226939	.0005420	.0005112	.001247	.0387354
%RSD	37.05629	168.4703	92.47816	184.6283	114.8787	87.66617	155.7544
#1	-.000183	.0001023	.0487522	.0005253	-.000143	-.002751	.0684223
#2	-.000132	.0000426	.0211130	-.000326	.000784	-.000279	.0119134
#3	-.000085	-.000028	.0037541	.000681	.000694	-.001237	-.005727

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008509	-.061773	.0005123	.0005314	-.287417	.0061360	.0003650
Stddev	.0004794	.072184	.0002479	.0004024	.117849	.0038691	.0007186
%RSD	56.33483	116.8524	48.38432	75.71612	41.00293	63.05570	196.8814
#1	.0014040	.020212	.0004875	.0001760	-.405617	.0041294	-.000289
#2	.0005548	-.089758	.0002778	.0004500	-.169921	.0036825	.001134
#3	.0005941	-.115775	.0007716	.0009683	-.286713	.0105962	.000250

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.235005	.0005503	.0006498	.0007120	.0019554	-.001768	.0003805
Stddev	.183262	.0040998	.0009448	.0001576	.0072461	.000179	.0009158
%RSD	77.98222	744.9870	145.3910	22.13646	370.5646	10.12397	240.6964
#1	-.408443	.0050202	.0009080	.0005638	-.004442	-.001719	-.000663
#2	-.043288	-.000335	.0014387	.0006946	.009824	-.001966	.000753
#3	-.253285	-.003035	-.000397	.0008775	.000485	-.001618	.001052

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCB007 Acquired: 10/26/2024 21:58:11 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB007 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.003154	-.005771	.0001321
Stddev	.000584	.001426	.0000774
%RSD	18.51897	24.70748	58.59794
#1	-.003826	-.005329	.0001974
#2	-.002876	-.007366	.0000466
#3	-.002761	-.004619	.0001523

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	959.4611	21719.97	2039.533	803.1927	1744.899
Stddev	1.1226	61.50	2.281	1.8030	2.607
%RSD	.1170079	.2831457	.1118174	.2244849	.1493969
#1	960.6814	21771.72	2039.068	801.7448	1744.966
#2	959.2297	21736.21	2042.011	805.2123	1747.471
#3	958.4722	21651.98	2037.521	802.6211	1742.259

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-20DLX2 Acquired: 10/26/2024 22:02:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE467 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1987684	-.026177	.1694379	-.005939	.0073661	96.16127	1.147240
Stddev	.0068879	.003496	.0045357	.006287	.0025116	.11329	.003376
%RSD	3.465271	13.35543	2.676930	105.8606	34.09709	.1178103	.2942998
#1	.1908330	-.029475	.1698465	-.005831	.0060328	96.03192	1.144536
#2	.2022726	-.022512	.1737555	-.012278	.0058023	96.24282	1.146159
#3	.2031997	-.026546	.1647116	.000293	.0102633	96.20907	1.151024

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048863	.0027515	50.11494	.1981814	.1111005	.4610053	205.7239
Stddev	.0000840	.0001687	.15916	.0005741	.0003584	.0010482	.4075
%RSD	1.719635	6.131553	.3175854	.2897034	.3225470	.2273718	.1980836
#1	.0049349	.0026534	50.05306	.1988246	.1114673	.4611878	205.8647
#2	.0047893	.0029463	49.99601	.1977208	.1110827	.4619503	205.2647
#3	.0049348	.0026548	50.29574	.1979989	.1107513	.4598779	206.0424

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.599904	42.75937	.2070803	-.016258	.8507512	.3930705	.4564850
Stddev	.029812	.21976	.0006500	.000186	.1928835	.0019297	.0029016
%RSD	.5323668	.5139419	.3139019	1.144217	22.67214	.4909401	.6356297
#1	5.581328	42.92281	.2070950	-.016409	.7562731	.3908425	.4580886
#2	5.584093	42.50954	.2064230	-.016051	.7233208	.3942143	.4531356
#3	5.634291	42.84575	.2077228	-.016315	1.072660	.3941547	.4582308

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.39545	5.228540	.2271623	.0016667	.8808301	3.213256	.0039439
Stddev	.12430	.003262	.0011219	.0004008	.0048667	.007675	.0006593
%RSD	.5312794	.0623958	.4938866	24.04813	.5525163	.2388418	16.71709
#1	23.49013	5.229725	.2275153	.0021243	.8837210	3.211735	.0044395
#2	23.25470	5.224850	.2259063	.0014981	.8835580	3.206456	.0031956
#3	23.44152	5.231044	.2280652	.0013778	.8752113	3.221577	.0041966

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-20DLX2 Acquired: 10/26/2024 22:02:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE467 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.526581	.0621556	.2707739
Stddev	.005611	.0014702	.0004594
%RSD	.2220896	2.365292	.1696472
#1	2.526420	.0604640	.2703900
#2	2.521052	.0631248	.2712829
#3	2.532271	.0628780	.2706490

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1017.245	23470.44	2217.208	860.1885	1612.765
Stddev	2.245	32.85	6.996	1.4931	2.326
%RSD	.2207241	.1399774	.3155253	.1735788	.1442276
#1	1018.565	23505.53	2219.728	858.8452	1615.421
#2	1014.652	23440.42	2222.596	861.7961	1611.783
#3	1018.518	23465.37	2209.302	859.9241	1611.091

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-21DLX2 Acquired: 10/26/2024 22:07:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE468 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1777447	-.028653	.1493977	-.008936	.0057518	103.0890	1.171505
Stddev	.0029841	.001727	.0015680	.008708	.0047893	.3980	.005272
%RSD	1.678867	6.027075	1.049572	97.44739	83.26624	.3860616	.4499913
#1	.1790977	-.030274	.1480130	.000189	.0071006	102.9733	1.171490
#2	.1798126	-.026837	.1511003	-.017158	.0004327	103.5320	1.176784
#3	.1743238	-.028848	.1490799	-.009840	.0097221	102.7617	1.166240

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0055766	.0020306	35.90967	.2262108	.1286720	.4588870	219.9531
Stddev	.0002346	.0002155	.19259	.0025164	.0001680	.0039265	.3958
%RSD	4.207062	10.61243	.5363289	1.112393	.1305830	.8556556	.1799482
#1	.0057689	.0022626	35.91395	.2244861	.1284923	.4587709	219.9722
#2	.0053152	.0018367	36.10008	.2250479	.1288252	.4628702	220.3390
#3	.0056458	.0019926	35.71497	.2290982	.1286985	.4550198	219.5481

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.758076	46.80478	.2217201	-.018602	1.077361	.4101285	.4837040
Stddev	.024586	.22557	.0013643	.000328	.446818	.0073598	.0034964
%RSD	.4269822	.4819314	.6153304	1.765404	41.47339	1.794505	.7228406
#1	5.763662	46.94352	.2229657	-.018526	.695013	.4092845	.4825442
#2	5.779387	46.92631	.2202620	-.018962	.968529	.4032272	.4809348
#3	5.731177	46.54451	.2219326	-.018318	1.568542	.4178739	.4876329

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	29.46965	5.686858	.2352492	.0020601	.9527459	3.558602	.0049898
Stddev	.24392	.022892	.0008903	.0002075	.0099885	.018151	.0007282
%RSD	.8276930	.4025353	.3784592	10.07297	1.048389	.5100583	14.59365
#1	29.64894	5.692012	.2353121	.0022683	.9623712	3.549975	.0050969
#2	29.56812	5.661828	.2361064	.0018533	.9424301	3.579458	.0042140
#3	29.19189	5.706732	.2343291	.0020585	.9534363	3.546374	.0056585

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-21DLX2 Acquired: 10/26/2024 22:07:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE468 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.193097	.0664747	.2383671
Stddev	.004555	.0007207	.0005402
%RSD	.2076985	1.084227	.2266166
#1	2.189427	.0672362	.2386934
#2	2.198195	.0658031	.2386643
#3	2.191670	.0663850	.2377436

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1030.900	23560.05	2175.763	859.4582	1621.924
Stddev	2.065	24.78	8.991	2.1971	5.986
%RSD	.2002665	.1051963	.4132333	.2556401	.3690637
#1	1028.519	23572.02	2179.295	861.1111	1615.702
#2	1031.982	23576.58	2165.543	860.2985	1622.426
#3	1032.199	23531.56	2182.452	856.9649	1627.643

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-22DLX2 Acquired: 10/26/2024 22:11:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE469 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2748987	-.037458	.2224724	-.006087	.0076898	147.0651	1.802284
Stddev	.0022316	.000657	.0070600	.006732	.0026385	.5261	.005486
%RSD	.8117995	1.755282	3.173414	110.5949	34.31204	.3577424	.3043713
#1	.2772369	-.037272	.2143822	-.006466	.0050726	147.0727	1.805050
#2	.2727917	-.038188	.2256488	-.012621	.0076477	146.5353	1.795966
#3	.2746675	-.036913	.2273863	.000827	.0103492	147.5874	1.805836

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0072756	.0037845	63.36074	.2721367	.1506175	.6072712	273.8396
Stddev	.0000342	.0002300	.09386	.0008053	.0002188	.0053641	.7808
%RSD	.4702154	6.076273	.1481367	.2959271	.1452867	.8833138	.2851259
#1	.0072623	.0035644	63.43624	.2721571	.1506545	.6042692	273.7925
#2	.0072501	.0040231	63.25565	.2729317	.1503825	.6040803	273.0834
#3	.0073145	.0037660	63.39033	.2713214	.1508155	.6134642	274.6429

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.36699	64.65884	.2703855	-.021994	1.258637	.4930448	.6484436
Stddev	.03734	.15731	.0012485	.000418	.111972	.0045101	.0041142
%RSD	.3601570	.2432882	.4617324	1.898902	8.896311	.9147504	.6344756
#1	10.40232	64.60388	.2706482	-.021538	1.345766	.4919341	.6458428
#2	10.32793	64.53639	.2690265	-.022086	1.297801	.4980065	.6531869
#3	10.37072	64.83626	.2714816	-.022358	1.132343	.4891938	.6463011

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	32.89853	6.535985	.2958842	.0013089	1.622393	4.222338	.0053527
Stddev	.15794	.021379	.0006696	.0006162	.005747	.022195	.0033922
%RSD	.4800801	.3270919	.2263004	47.07927	.3542593	.5256481	63.37246
#1	32.88763	6.538480	.2966287	.0007284	1.622405	4.197750	.0053385
#2	32.74632	6.513468	.2956928	.0019554	1.616640	4.228372	.0087520
#3	33.06164	6.556006	.2953312	.0012428	1.628135	4.240892	.0019677

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-22DLX2 Acquired: 10/26/2024 22:11:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE469 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.546894	.1113638	.2954464
Stddev	.014535	.0027752	.0008514
%RSD	.5707030	2.492005	.2881715
#1	2.549771	.1104432	.2952822
#2	2.531135	.1091658	.2946891
#3	2.559775	.1144823	.2963679

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1032.472	23751.75	2243.146	868.5350	1582.167
Stddev	.820	65.28	4.790	6.5921	2.137
%RSD	.0794338	.2748442	.2135292	.7589899	.1350672
#1	1033.418	23697.36	2248.560	870.8898	1582.305
#2	1032.024	23733.75	2241.419	861.0889	1584.232
#3	1031.973	23824.14	2239.460	873.6264	1579.964

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: PB164346BL Acquired: 10/26/2024 22:15:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS346 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016486	.0018171	-.000147	-.006618	.0010376	.0183162	-.000266
Stddev	.0002129	.0029935	.002314	.003069	.0018339	.0068268	.000243
%RSD	12.91158	164.7413	1575.694	46.37025	176.7405	37.27194	91.37805
#1	.0018907	-.000312	.002053	-.005500	.0022968	.0129471	.000005
#2	.0014907	.000523	-.002561	-.004265	.0018825	.0259993	-.000337
#3	.0015644	.005240	.000068	-.010089	-.001066	.0160023	-.000465

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000287	-.000181	.0160648	.0001468	.0004556	-.000279	-.005230
Stddev	.000066	.000126	.0088706	.0002832	.0001618	.002524	.028340
%RSD	23.15314	69.70003	55.21757	192.9193	35.52072	906.2656	541.8848
#1	-.000304	-.000035	.0259803	.0000684	.0003040	.002587	.027086
#2	-.000214	-.000254	.0088824	-.000089	.0004367	-.001248	-.016925
#3	-.000344	-.000253	.0133316	.000461	.0006260	-.002174	-.025851

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005404	-.106701	-.000150	.0007979	-.202709	.0074230	-.000630
Stddev	.0008992	.045037	.000378	.0004341	.119670	.0061292	.000261
%RSD	166.3894	42.20898	252.7831	54.40593	59.03544	82.57031	41.40617
#1	.0011475	-.136558	-.000518	.0009197	-.325046	.0054998	-.000405
#2	-.000493	-.054897	-.000169	.0011580	-.197186	.0024861	-.000570
#3	.000966	-.128647	.000238	.0003159	-.085896	.0142833	-.000916

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.228003	.0000821	-.004680	.0002243	-.003970	.0003323	-.000949
Stddev	.104426	.0032312	.001000	.0002852	.004263	.0006425	.000467
%RSD	45.80042	3937.802	21.37643	127.1343	107.3668	193.3470	49.18617
#1	-.208824	.0025528	-.005660	.0005169	-.006160	.0009689	-.001350
#2	-.134496	-.003574	-.003661	.0002089	-.006694	.0003439	-.000437
#3	-.340690	.001268	-.004718	-.000053	.000942	-.000316	-.001060

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: PB164346BL Acquired: 10/26/2024 22:15:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS346 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000709	-.008198	-.000013
Stddev	.001441	.001441	.000114
%RSD	203.3372	17.58079	903.3045
#1	.000858	-.009167	.000108
#2	-.001006	-.008886	-.000117
#3	-.001977	-.006542	-.000029

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	955.8797	21653.22	2015.850	800.6674	1743.877
Stddev	1.6245	65.65	5.597	2.6993	2.190
%RSD	.1699514	.3031853	.2776594	.3371305	.1255806
#1	957.7504	21594.33	2010.200	797.8066	1746.209
#2	955.0646	21641.33	2015.957	801.0265	1741.864
#3	954.8241	21724.01	2021.393	803.1692	1743.558

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: PB164346BS Acquired: 10/26/2024 22:20:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS346 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0187619	.0538648	.0233368	.0610547	.1102478	.4365769
Stddev	.0029653	.0019691	.0015470	.0061754	.0013803	.0072976
%RSD	15.80496	3.655712	6.628885	10.11451	1.251976	1.671540
#1	.0172515	.0520473	.0226471	.0677004	.1093850	.4353914
#2	.0168558	.0535904	.0251086	.0554932	.1118397	.4443946
#3	.0221783	.0559568	.0222546	.0599704	.1095186	.4299446

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4309508	.0118190	.0109999	11.16628	.0224866	.1046648
Stddev	.0003385	.0001058	.0000566	.05821	.0001600	.0006378
%RSD	.0785553	.8949990	.5145128	.5213254	.7114542	.6093518
#1	.4311297	.0117086	.0110317	11.15402	.0225465	.1047160
#2	.4311624	.0119195	.0110334	11.22964	.0223053	.1052754
#3	.4305604	.0118289	.0109345	11.11517	.0226079	.1040029

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0506746	.2205437	.0337521	11.17412	.0878396	.0241744
Stddev	.0019886	.0269650	.0002826	.06214	.0004092	.0002418
%RSD	3.924272	12.22659	.8371959	.5560669	.4658685	1.000270
#1	.0500301	.1921985	.0336388	11.18331	.0883117	.0238993
#2	.0490882	.2235573	.0335437	11.23114	.0876198	.0242706
#3	.0529055	.2458752	.0340737	11.10789	.0875872	.0243533

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.31139	.1128030	.1137610	9.996122	.0175524	F -.003537
Stddev	.20993	.0147850	.0006046	.182804	.0001438	.001994
%RSD	2.035861	13.10689	.5314867	1.828751	.8194860	56.36659
#1	10.08687	.1289265	.1135654	10.06289	.0173971	-.001811
#2	10.50279	.1096011	.1144393	10.13615	.0176810	-.005720
#3	10.34449	.0998813	.1132785	9.78932	.0175790	-.003081

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: PB164346BS Acquired: 10/26/2024 22:20:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS346 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0193717	.1796128	F .4667864	.0137586	.2063963	.0231605
Stddev	.0003471	.0019244	.0049610	.0002979	.0009605	.0012666
%RSD	1.791880	1.071440	1.062804	2.164893	.4653808	5.468676
#1	.0191221	.1798436	.4670798	.0137918	.2072293	.0236517
#2	.0192249	.1814114	.4715943	.0134455	.2066139	.0217219
#3	.0197681	.1775833	.4616853	.0140384	.2053456	.0241079

Elem	Sr4077
Units	ppm
Avg	.2116688
Stddev	.0004302
%RSD	.2032294
#1	.2117980
#2	.2120196
#3	.2111889

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	952.0324	21702.89	2037.723	805.4402	1701.132
Stddev	1.8146	14.07	15.325	.9226	2.899
%RSD	.1906036	.0648340	.7520724	.1145456	.1703880
#1	952.1778	21703.15	2038.533	804.4032	1699.164
#2	953.7700	21716.83	2022.009	806.1703	1704.461
#3	950.1495	21688.69	2052.627	805.7469	1699.772

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: PB164346BSD Acquired: 10/26/2024 22:24:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD346 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0086829	.0279495	.0149268	.0260360	.0554986	.2761050	.2085577
Stddev	.0026768	.0020994	.0011804	.0022576	.0011703	.0094235	.0014636
%RSD	30.82792	7.511359	7.907923	8.671008	2.108741	3.413029	.7017854
#1	.0058058	.0258154	.0162153	.0283694	.0548582	.2815138	.2094327
#2	.0091435	.0280208	.0146676	.0238627	.0568494	.2815775	.2093725
#3	.0110995	.0300123	.0138976	.0258760	.0547882	.2652237	.2068681

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056310	.0053082	5.451010	.0110820	.0498724	.0254276	.1265785
Stddev	.0001638	.0001057	.031666	.0009439	.0006889	.0033748	.0256333
%RSD	2.908521	1.990224	.5809143	8.517582	1.381389	13.27209	20.25096
#1	.0054590	.0052094	5.440426	.0107700	.0504074	.0238946	.1391914
#2	.0057851	.0054196	5.486612	.0121425	.0501149	.0292968	.0970825
#3	.0056488	.0052956	5.425993	.0103336	.0490951	.0230914	.1434615

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0159361	5.422888	.0423561	.0118304	4.876647	.0585697	.0557900
Stddev	.0018885	.110357	.0006052	.0004553	.318395	.0043932	.0005079
%RSD	11.85068	2.035024	1.428732	3.848377	6.528976	7.500732	.9104001
#1	.0157088	5.299254	.0428972	.0113563	5.196732	.0536868	.0563762
#2	.0141715	5.511437	.0417027	.0122642	4.873238	.0598204	.0555124
#3	.0179280	5.457975	.0424686	.0118706	4.559970	.0622019	.0554814

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.695538	.0084934	-.004279	.0098619	.0886587	.2291529	.0051076
Stddev	.108285	.0033496	.000880	.0004534	.0029570	.0022878	.0010916
%RSD	2.306123	39.43726	20.56461	4.597542	3.335290	.9983922	21.37256
#1	4.589915	.0086716	-.003618	.0098622	.0864430	.2270251	.0063138
#2	4.806302	.0117502	-.003941	.0103151	.0875167	.2315728	.0048214
#3	4.690399	.0050583	-.005278	.0094083	.0920164	.2288608	.0041876

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: PB164346BSD Acquired: 10/26/2024 22:24:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD346 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1002320	.0056363	.1036853
Stddev	.0013457	.0022932	.0009824
%RSD	1.342629	40.68600	.9474923
#1	.1012793	.0066990	.1033505
#2	.0987142	.0030046	.1047914
#3	.1007027	.0072054	.1029141

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	954.5607	21709.23	1993.367	800.7741	1727.866
Stddev	.4611	14.69	16.202	4.3083	3.371
%RSD	.0483015	.0676590	.8127711	.5380223	.1950718
#1	954.2037	21692.28	2001.214	797.9770	1724.379
#2	955.0812	21718.06	1974.736	805.7355	1731.107
#3	954.3970	21717.36	2004.150	798.6097	1728.113

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-01DLX2 Acquired: 10/26/2024 22:29:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE470 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2565427	-.033329	.2204470	.0039906	.0098683	110.5597	1.139891
Stddev	.0059462	.003937	.0050970	.0123564	.0047829	.3044	.002335
%RSD	2.317834	11.81222	2.312141	309.6404	48.46719	.2752918	.2048751
#1	.2556677	-.037864	.2261746	.0153607	.0061359	110.8952	1.142361
#2	.2510825	-.030788	.2164103	-.009159	.0152598	110.3012	1.137719
#3	.2628780	-.031336	.2187562	.005770	.0082092	110.4829	1.139594

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060785	.0039693	68.77349	.2354305	.1385050	.6517684	262.5157
Stddev	.0002569	.0003052	.23283	.0012606	.0001498	.0028219	.5631
%RSD	4.225834	7.690101	.3385412	.5354502	.1081632	.4329620	.2144843
#1	.0058405	.0036929	68.79984	.2368760	.1383885	.6486567	263.1254
#2	.0063508	.0042969	68.52860	.2348571	.1386740	.6541617	262.0152
#3	.0060444	.0039181	68.99201	.2345586	.1384525	.6524866	262.4066

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.332489	52.96703	.2504833	-.019300	1.324593	.4795347	.5729505
Stddev	.015853	.09969	.0017898	.000319	.227211	.0090379	.0032623
%RSD	.2503507	.1882147	.7145196	1.652929	17.15327	1.884721	.5693860
#1	6.337069	53.04910	.2498501	-.019518	1.444107	.4713810	.5762236
#2	6.314850	52.99590	.2490963	-.019449	1.467103	.4892526	.5729289
#3	6.345548	52.85609	.2525036	-.018934	1.062568	.4779705	.5696991

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.89499	5.879001	.2761210	-.000185	1.266739	1.877656	.0046772
Stddev	.15759	.018877	.0029924	.000546	.015210	.001147	.0022300
%RSD	.6595140	.3210978	1.083741	295.5865	1.200689	.0610892	47.67889
#1	24.07465	5.857442	.2795016	.000309	1.275432	1.876431	.0040884
#2	23.83017	5.886992	.2750499	-.000771	1.249177	1.878705	.0071425
#3	23.78015	5.892568	.2738116	-.000093	1.275608	1.877833	.0028006

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-01DLX2 Acquired: 10/26/2024 22:29:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE470 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.356645	.0758746	.3108064
Stddev	.005517	.0006305	.0013490
%RSD	.2341186	.8309459	.4340295
#1	2.360614	.0764296	.3123633
#2	2.350344	.0751891	.3100698
#3	2.358976	.0760050	.3099860

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1010.898	23334.74	2158.767	853.8182	1602.601
Stddev	1.257	32.83	3.459	5.1890	4.010
%RSD	.1242969	.1406838	.1602272	.6077355	.2502197
#1	1009.638	23309.20	2154.864	848.4712	1603.155
#2	1012.151	23371.77	2161.453	854.1501	1606.304
#3	1010.906	23323.26	2159.985	858.8332	1598.342

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-02DLX2 Acquired: 10/26/2024 22:33:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE471 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1677882	-.035677	.1430788	-.007510	.0066833	127.7911	1.414062
Stddev	.0053825	.003798	.0073108	.002213	.0029239	.2556	.003154
%RSD	3.207939	10.64490	5.109629	29.46106	43.74922	.1999878	.2230416
#1	.1737151	-.034305	.1481954	-.009297	.0034566	127.9903	1.413937
#2	.1632043	-.039971	.1347056	-.005035	.0074361	127.8801	1.417277
#3	.1664452	-.032757	.1463353	-.008199	.0091572	127.5029	1.410973

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0063352	.0026851	46.40269	.2477384	.1381697	.4072114	246.9768
Stddev	.0002321	.0003081	.04387	.0007809	.0001821	.0007214	.6575
%RSD	3.663972	11.47401	.0945510	.3152154	.1318163	.1771479	.2662196
#1	.0061690	.0025630	46.44535	.2480879	.1381263	.4080258	247.6745
#2	.0062362	.0030355	46.35770	.2468438	.1380133	.4069556	246.8870
#3	.0066004	.0024568	46.40501	.2482836	.1383697	.4066527	246.3688

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.785188	53.36497	.2440029	-.020487	1.157239	.4485965	.5103191
Stddev	.012593	.17139	.0001099	.000247	.154312	.0119363	.0014245
%RSD	.1855910	.3211709	.0450220	1.207948	13.33445	2.660815	.2791411
#1	6.799520	53.44977	.2439841	-.020208	1.324383	.4348527	.5107764
#2	6.775897	53.47743	.2439036	-.020574	1.127139	.4545699	.5087220
#3	6.780147	53.16771	.2441209	-.020679	1.020195	.4563669	.5114587

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	29.78284	6.139050	.2593613	.0015119	.8745025	3.743214	.0035584
Stddev	.15382	.013346	.0026027	.0005800	.0049510	.003248	.0019948
%RSD	.5164564	.2173929	1.003517	38.36414	.5661461	.0867626	56.06047
#1	29.95903	6.133497	.2576301	.0008703	.8705561	3.742780	.0023548
#2	29.71412	6.129378	.2623544	.0016661	.8728937	3.740204	.0058610
#3	29.67536	6.154276	.2580993	.0019992	.8800578	3.746656	.0024593

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-02DLX2 Acquired: 10/26/2024 22:33:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE471 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.686582	.0812008	.2506110
Stddev	.011439	.0023029	.0012490
%RSD	.4257977	2.836097	.4983615
#1	2.698801	.0807888	.2513269
#2	2.684816	.0836820	.2513372
#3	2.676128	.0791318	.2491688

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1038.942	23873.47	2265.494	872.9650	1600.310
Stddev	3.170	69.53	4.836	1.7271	5.638
%RSD	.3051545	.2912608	.2134694	.1978478	.3523039
#1	1040.441	23801.85	2260.083	872.6566	1605.064
#2	1041.085	23940.72	2269.397	874.8256	1601.785
#3	1035.300	23877.86	2267.000	871.4129	1594.081

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-03DLX2 Acquired: 10/26/2024 22:38:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE472 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3465433	-.038392	.1456500	-.000238	.0103593	143.8601	2.509141
Stddev	.0054949	.002982	.0084328	.008622	.0019330	.6601	.008144
%RSD	1.585631	7.767154	5.789796	3624.499	18.65948	.4588536	.3245759
#1	.3401984	-.040897	.1446645	.009137	.0081705	144.5596	2.518192
#2	.3497438	-.035093	.1545323	-.007828	.0110750	143.7724	2.506825
#3	.3496878	-.039186	.1377532	-.002023	.0118323	143.2482	2.502406

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0069462	.0024508	99.29071	.2553969	.1404344	.3817890	273.0113
Stddev	.0002379	.0000470	.31512	.0015461	.0001981	.0057107	.8742
%RSD	3.425288	1.917523	.3173674	.6053762	.1410526	1.495778	.3201912
#1	.0069700	.0024749	99.64631	.2541596	.1406526	.3883565	273.9367
#2	.0066973	.0023967	99.17967	.2571301	.1402659	.3790178	272.8979
#3	.0071713	.0024809	99.04614	.2549011	.1403846	.3779926	272.1994

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.590240	67.28072	.3361319	-.020656	1.295344	.5275436	.4541742
Stddev	.022173	.32646	.0011311	.000539	.117286	.0114095	.0002528
%RSD	.3364478	.4852185	.3365165	2.608306	9.054441	2.162765	.0556576
#1	6.606265	67.60989	.3365744	-.021252	1.165768	.5406473	.4544243
#2	6.599520	67.27522	.3369749	-.020204	1.394243	.5198094	.4539189
#3	6.564935	66.95705	.3348464	-.020512	1.326021	.5221742	.4541793

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.10813	7.576771	.2854518	-.001105	.7235552	4.211061	.0008684
Stddev	.11078	.013426	.0021443	.000805	.0048728	.011085	.0032957
%RSD	.4412206	.1771935	.7511928	72.82576	.6734450	.2632303	379.5191
#1	25.23605	7.561840	.2878366	-.000378	.7290759	4.223861	.0010935
#2	25.04308	7.580626	.2848360	-.001970	.7217353	4.204667	-.002534
#3	25.04528	7.587847	.2836828	-.000967	.7198543	4.204656	.004046

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-03DLX2 Acquired: 10/26/2024 22:38:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE472 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.704057	.1100894	.7732286
Stddev	.012161	.0008615	.0039246
%RSD	.4497157	.7825503	.5075644
#1	2.718055	.1093790	.7776695
#2	2.696107	.1098415	.7717899
#3	2.698007	.1110476	.7702263

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1024.715	23757.75	2276.199	867.7609	1567.538
Stddev	1.108	89.64	8.037	1.8765	1.790
%RSD	.1081629	.3772963	.3530723	.2162416	.1141847
#1	1023.545	23837.43	2268.793	869.7542	1567.042
#2	1025.748	23660.70	2275.061	867.5000	1569.523
#3	1024.852	23775.11	2284.745	866.0286	1566.048

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-04DLX2 Acquired: 10/26/2024 22:42:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE473 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2418252	-.030615	.2541865	-.004664	.0078959	111.6920	1.164983
Stddev	.0050438	.001836	.0032628	.005846	.0022571	.1903	.002019
%RSD	2.085706	5.997234	1.283613	125.3403	28.58543	.1703853	.1733168
#1	.2400595	-.028499	.2575037	-.003406	.0079552	111.5279	1.167113
#2	.2475144	-.031789	.2540748	-.011037	.0101228	111.9006	1.163097
#3	.2379017	-.031557	.2509811	.000450	.0056098	111.6475	1.164739

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057237	.0058407	61.72475	.2284614	.1270176	.7955803	229.7057
Stddev	.0002388	.0001334	.10048	.0002652	.0006272	.0030213	.1673
%RSD	4.171775	2.284367	.1627807	.1160983	.4937511	.3797649	.0728363
#1	.0059341	.0057271	61.82197	.2281846	.1270231	.7920963	229.8389
#2	.0057729	.0059876	61.73097	.2287134	.1263877	.7971647	229.5179
#3	.0054642	.0058073	61.62131	.2284862	.1276419	.7974799	229.7603

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.556748	49.72771	.2356308	-.017666	1.151912	.4356662	.6322390
Stddev	.006867	.16233	.0013418	.000740	.039275	.0111444	.0034180
%RSD	.1235739	.3264427	.5694690	4.185892	3.409523	2.558024	.5406208
#1	5.552573	49.68330	.2365590	-.017318	1.180413	.4264443	.6317578
#2	5.564673	49.90762	.2340923	-.018516	1.168211	.4480499	.6290872
#3	5.552997	49.59220	.2362411	-.017166	1.107112	.4325043	.6358722

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	30.64017	5.994483	.2440361	.0002665	1.224457	3.637512	.0016170
Stddev	.12860	.004453	.0006272	.0007642	.007400	.007840	.0013559
%RSD	.4197103	.0742859	.2570062	286.7947	.6043526	.2155376	83.85191
#1	30.49230	5.996285	.2434225	-.000609	1.221997	3.629526	.0030965
#2	30.72591	5.997753	.2446761	.000802	1.232774	3.637814	.0004336
#3	30.70229	5.989411	.2440098	.000606	1.218601	3.645197	.0013210

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-04DLX2 Acquired: 10/26/2024 22:42:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE473 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.459930	.0760189	.2776351
Stddev	.003869	.0006683	.0001506
%RSD	.1572702	.8791463	.0542387
#1	2.457712	.0767881	.2777627
#2	2.464397	.0756886	.2776735
#3	2.457681	.0755801	.2774690

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1020.772	23598.90	2262.144	862.7002	1594.922
Stddev	1.240	67.20	2.901	4.5962	2.931
%RSD	.1214438	.2847766	.1282279	.5327641	.1837927
#1	1022.204	23541.24	2262.607	860.9362	1598.132
#2	1020.036	23672.71	2264.785	867.9170	1592.386
#3	1020.078	23582.76	2259.039	859.2473	1594.249

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-05DLX2 Acquired: 10/26/2024 22:47:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE474 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2081421	-.032343	.1953223	.0032660	.0078444	112.6604	1.151281
Stddev	.0086016	.004335	.0052964	.0071979	.0015295	.2365	.000430
%RSD	4.132580	13.40283	2.711618	220.3864	19.49853	.2099545	.0373642
#1	.2145483	-.037058	.2013364	-.003224	.0061219	112.6513	1.150928
#2	.2115123	-.031439	.1913535	.002015	.0090438	112.9014	1.151760
#3	.1983657	-.028531	.1932771	.011008	.0083674	112.4286	1.151155

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056577	.0037794	42.58318	.2255119	.1196411	.5915464	231.5790
Stddev	.0002500	.0001289	.15470	.0015382	.0003040	.0029303	.2741
%RSD	4.419528	3.411386	.3632918	.6820976	.2541013	.4953622	.1183415
#1	.0053902	.0036468	42.67781	.2249015	.1197278	.5928705	231.3354
#2	.0058855	.0037873	42.66707	.2272617	.1198924	.5935809	231.8758
#3	.0056973	.0039043	42.40465	.2243726	.1193032	.5881877	231.5259

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.934926	50.62285	.2254147	-.017810	1.065882	.4269482	.5343543
Stddev	.020119	.19580	.0007816	.000688	.279511	.0049621	.0022004
%RSD	.3389938	.3867741	.3467365	3.862441	26.22340	1.162214	.4117806
#1	5.940919	50.72788	.2257977	-.018546	.865189	.4313403	.5368248
#2	5.951367	50.74371	.2259309	-.017183	1.385130	.4215656	.5336329
#3	5.912491	50.39695	.2245155	-.017700	.947327	.4279387	.5326052

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.52148	4.990913	.2423364	.0003129	.8610052	1.724442	.0057695
Stddev	.09907	.013531	.0006725	.0005259	.0080232	.010527	.0019331
%RSD	.3881781	.2711058	.2774939	168.0773	.9318462	.6104658	33.50485
#1	25.53110	4.985045	.2416362	.0007227	.8552046	1.732946	.0079611
#2	25.61539	5.006388	.2429772	.0004960	.8701615	1.727710	.0050407
#3	25.41795	4.981307	.2423957	-.000280	.8576496	1.712668	.0043068

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-05DLX2 Acquired: 10/26/2024 22:47:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE474 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.344319	.0753269	.2364799
Stddev	.009283	.0023802	.0006553
%RSD	.3959923	3.159874	.2771000
#1	2.353378	.0770248	.2360683
#2	2.334827	.0763497	.2372355
#3	2.344752	.0726062	.2361358

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1020.669	23447.68	2181.541	860.7348	1610.276
Stddev	.603	47.26	7.780	2.4219	1.393
%RSD	.0590829	.2015579	.3566397	.2813780	.0865022
#1	1020.676	23474.49	2176.020	857.9443	1608.830
#2	1021.269	23393.11	2178.164	861.9693	1610.388
#3	1020.063	23475.44	2190.439	862.2907	1611.609

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-06DLX2 Acquired: 10/26/2024 22:51:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE475 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1721020	-.028173	.1479380	-.002950	.0067931	116.4001	1.207855
Stddev	.0040227	.004890	.0050657	.008338	.0032632	.0804	.000972
%RSD	2.337373	17.35678	3.424238	282.6061	48.03722	.0690541	.0805140
#1	.1693780	-.026281	.1532159	.006550	.0048132	116.4927	1.207397
#2	.1767223	-.024512	.1474830	-.009051	.0050067	116.3486	1.207196
#3	.1702057	-.033726	.1431152	-.006349	.0105595	116.3589	1.208972

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056732	.0020266	43.37540	.2219392	.1182779	.4210380	211.0200
Stddev	.0001500	.0003140	.04962	.0003531	.0001402	.0061202	.4736
%RSD	2.644608	15.49567	.1143938	.1590826	.1185666	1.453595	.2244417
#1	.0057812	.0021246	43.34584	.2217681	.1183440	.4260814	211.2437
#2	.0055019	.0022800	43.43269	.2217042	.1183730	.4142291	210.4759
#3	.0057366	.0016753	43.34768	.2223452	.1181169	.4228035	211.3403

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.546637	47.07596	.2154871	-.016949	.8318765	.3824420	.4623693
Stddev	.004435	.14438	.0009933	.000308	.0848750	.0086285	.0003786
%RSD	.0677436	.3066963	.4609438	1.815523	10.20283	2.256153	.0818845
#1	6.551543	46.96968	.2143646	-.017243	.7417801	.3812433	.4624401
#2	6.545454	47.01786	.2162522	-.016976	.8435221	.3916072	.4627075
#3	6.542913	47.24034	.2158446	-.016629	.9103274	.3744756	.4619603

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.70098	5.013800	.2282534	.0016288	1.020269	2.890527	.0033224
Stddev	.09274	.013780	.0024096	.0006017	.004390	.005698	.0018697
%RSD	.3473111	.2748437	1.055668	36.94446	.4302466	.1971253	56.27672
#1	26.76218	5.010571	.2289948	.0013279	1.015525	2.895386	.0024865
#2	26.59429	5.028907	.2255602	.0012369	1.021095	2.891938	.0054642
#3	26.74648	5.001920	.2302052	.0023216	1.024187	2.884256	.0020164

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-06DLX2 Acquired: 10/26/2024 22:51:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE475 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.508362	.0728566	.2237310
Stddev	.004218	.0003155	.0001820
%RSD	.1681379	.4330255	.0813496
#1	2.511250	.0729946	.2238963
#2	2.503522	.0724956	.2235360
#3	2.510313	.0730796	.2237607

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1024.459	23536.02	2195.968	862.3902	1613.923
Stddev	3.661	51.73	6.778	3.4262	4.832
%RSD	.3573479	.2197951	.3086341	.3972877	.2993865
#1	1027.635	23591.89	2191.785	865.3271	1616.301
#2	1020.455	23489.77	2192.332	858.6262	1608.363
#3	1025.287	23526.40	2203.788	863.2174	1617.104

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-07DLX2 Acquired: 10/26/2024 22:55:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE476 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2161344	-.036400	.1932370	-.004583	.0079025	139.9287	1.443205
Stddev	.0067233	.006055	.0049308	.003893	.0022424	.3430	.003548
%RSD	3.110698	16.63422	2.551706	84.93459	28.37548	.2450981	.2458353
#1	.2092643	-.040453	.1913798	-.008546	.0072614	140.1285	1.447128
#2	.2164383	-.029440	.1988268	-.004440	.0103957	140.1249	1.442264
#3	.2227006	-.039306	.1895046	-.000764	.0060506	139.5327	1.440222

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0068494	.0041697	56.16030	.2641610	.1474491	.5857820	264.7200
Stddev	.0001063	.0001854	.11227	.0011359	.0005415	.0040324	.6746
%RSD	1.552338	4.445559	.1999014	.4300220	.3672172	.6883796	.2548408
#1	.0067635	.0040958	56.11536	.2642162	.1474038	.5892237	265.3168
#2	.0069683	.0040326	56.28807	.2629984	.1469317	.5867770	264.8552
#3	.0068163	.0043806	56.07747	.2652683	.1480118	.5813452	263.9880

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.161010	57.91964	.2644791	-.022048	1.406077	.4789615	.6010117
Stddev	.022347	.21125	.0006982	.000300	.188708	.0097779	.0021796
%RSD	.3120655	.3647250	.2639762	1.362505	13.42091	2.041480	.3626503
#1	7.153242	58.13634	.2648739	-.022270	1.210377	.4684108	.6033952
#2	7.186204	57.90828	.2636730	-.022166	1.420939	.4877183	.5991202
#3	7.143584	57.71430	.2648905	-.021706	1.586915	.4807552	.6005197

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	32.74183	6.784777	.2794030	.0016931	1.206584	1.738660	.0023323
Stddev	.08552	.007240	.0014758	.0010996	.008336	.002161	.0013851
%RSD	.2611950	.1067064	.5282081	64.94378	.6908489	.1242959	59.38566
#1	32.75052	6.792359	.2804562	.0026498	1.211836	1.739890	.0032139
#2	32.65230	6.784035	.2800367	.0019378	1.196973	1.739926	.0030471
#3	32.82268	6.777936	.2777162	.0004918	1.210943	1.736165	.0007359

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-07DLX2 Acquired: 10/26/2024 22:55:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE476 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.682230	.0916959	.2865561
Stddev	.004493	.0008021	.0010062
%RSD	.1675158	.8747602	.3511203
#1	2.684729	.0925806	.2876598
#2	2.684917	.0910161	.2863183
#3	2.677042	.0914910	.2856901

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1042.382	23988.69	2291.708	877.4525	1582.772
Stddev	.939	31.73	9.600	1.8373	.733
%RSD	.0901143	.1322714	.4189045	.2093920	.0463155
#1	1043.445	23959.46	2295.253	875.5485	1583.293
#2	1041.664	23984.17	2280.839	877.5943	1581.934
#3	1042.036	24022.44	2299.030	879.2149	1583.089

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-08DLX2 Acquired: 10/26/2024 23:00:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE477 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2642715	-.028738	.2978409	-.000480	.0073165	110.2057	1.194205
Stddev	.0056140	.003493	.0045772	.001926	.0015692	.1109	.002509
%RSD	2.124314	12.15355	1.536811	401.0710	21.44791	.1006289	.2101250
#1	.2680414	-.026456	.3011240	-.002705	.0076641	110.1491	1.197079
#2	.2669536	-.026999	.2926123	.000634	.0056027	110.1345	1.193091
#3	.2578196	-.032759	.2997865	.000630	.0086829	110.3335	1.192446

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057322	.0073866	68.54881	.2245509	.1224858	.9643083	223.0752
Stddev	.0001736	.0003701	.07942	.0009688	.0004527	.0073625	.2966
%RSD	3.028596	5.010401	.1158536	.4314241	.3696137	.7634955	.1329503
#1	.0056493	.0078134	68.45828	.2236088	.1230085	.9558708	222.9944
#2	.0059318	.0071911	68.60674	.2255443	.1222335	.9676259	223.4039
#3	.0056157	.0071552	68.58141	.2244995	.1222155	.9694282	222.8275

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.749409	48.21282	.2405119	-.014924	.8361746	.4077890	.7080239
Stddev	.006062	.15877	.0004736	.000330	.1012341	.0067848	.0038919
%RSD	.1054410	.3293168	.1969022	2.213434	12.10682	1.663796	.5496889
#1	5.744489	48.15970	.2409815	-.014785	.7248278	.4065878	.7113496
#2	5.747556	48.08743	.2405197	-.014685	.8610295	.4016851	.7089788
#3	5.756181	48.39135	.2400344	-.015301	.9226664	.4150942	.7037434

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	30.42190	6.179288	.2381314	.0002541	1.233860	3.088831	.0047512
Stddev	.21000	.019532	.0009076	.0005435	.007068	.012592	.0029108
%RSD	.6902779	.3160802	.3811327	213.9234	.5728576	.4076729	61.26470
#1	30.24056	6.189136	.2382827	.0001395	1.230415	3.077802	.0081008
#2	30.37315	6.156793	.2389539	.0008457	1.241990	3.086139	.0028361
#3	30.65198	6.191935	.2371577	-.000223	1.229174	3.102551	.0033166

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-08DLX2 Acquired: 10/26/2024 23:00:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE477 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.554225	.0765773	.2407798
Stddev	.003345	.0013288	.0002769
%RSD	.1309458	1.735204	.1150052
#1	2.557516	.0767759	.2406008
#2	2.554329	.0777956	.2406398
#3	2.550829	.0751604	.2410987

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1019.831	23560.56	2258.601	861.4726	1587.032
Stddev	.374	72.62	5.739	5.5082	1.585
%RSD	.0367040	.3082416	.2540861	.6393939	.0998793
#1	1019.406	23491.04	2263.234	856.7158	1587.310
#2	1019.970	23554.72	2260.386	860.1944	1588.460
#3	1020.115	23635.93	2252.181	867.5075	1585.326

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-09DLX2 Acquired: 10/26/2024 23:04:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE478 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2976032	-.031594	.3170341	-.002661	.0079804	120.4554	1.390135
Stddev	.0049343	.007476	.0083459	.003066	.0013036	.3915	.004815
%RSD	1.658014	23.66312	2.632504	115.2536	16.33469	.3249806	.3463510
#1	.2930868	-.038712	.3218222	-.004639	.0088638	120.0869	1.386341
#2	.3028696	-.023805	.3218831	.000872	.0085942	120.8664	1.395551
#3	.2968534	-.032267	.3073971	-.004214	.0064832	120.4129	1.388511

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060545	.0076808	107.7192	.2325012	.1389995	1.021104	240.1088
Stddev	.0001358	.0002989	.3286	.0014907	.0007362	.008160	.9739
%RSD	2.242308	3.892131	.3050656	.6411400	.5296503	.7991126	.4056120
#1	.0060855	.0073357	107.4269	.2324562	.1394043	1.014271	239.0303
#2	.0061721	.0078475	108.0749	.2340139	.1381497	1.030139	240.9240
#3	.0059059	.0078593	107.6558	.2310336	.1394444	1.018903	240.3719

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.066250	54.66563	.2754208	-.016110	1.171981	.4416618	.7537646
Stddev	.015787	.16089	.0006773	.000275	.168608	.0081973	.0004329
%RSD	.2234104	.2943198	.2459313	1.707845	14.38654	1.856006	.0574324
#1	7.057683	54.60759	.2761792	-.015994	1.274241	.4326299	.7533222
#2	7.084468	54.84749	.2752072	-.016425	1.264328	.4486302	.7537843
#3	7.056599	54.54182	.2748760	-.015913	.977374	.4437253	.7541873

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	32.36398	6.825808	.2552544	.0006497	1.249973	3.707045	.0025565
Stddev	.15957	.021871	.0036492	.0000486	.008811	.015328	.0030903
%RSD	.4930474	.3204114	1.429626	7.487210	.7049326	.4134891	120.8816
#1	32.39076	6.844540	.2519235	.0005940	1.257955	3.692688	-.000045
#2	32.50846	6.831109	.2546847	.0006838	1.251446	3.723188	.005972
#3	32.19271	6.801774	.2591549	.0006712	1.240517	3.705258	.001743

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-09DLX2 Acquired: 10/26/2024 23:04:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE478 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.727194	.0925812	.2712292
Stddev	.011971	.0016797	.0016815
%RSD	.4389321	1.814269	.6199644
#1	2.717868	.0907568	.2707536
#2	2.740692	.0940635	.2730973
#3	2.723023	.0929232	.2698367

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1016.844	23543.80	2229.382	859.0279	1562.675
Stddev	2.365	82.55	10.689	3.3912	.611
%RSD	.2325584	.3506438	.4794510	.3947698	.0390862
#1	1019.368	23552.30	2241.721	862.0208	1563.162
#2	1016.483	23621.78	2222.972	859.7183	1561.990
#3	1014.680	23457.33	2223.453	855.3447	1562.874

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-10DLX2 Acquired: 10/26/2024 23:09:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE479 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1768454	-.028415	.1062534	-.000893	.0064055	103.2042	1.355557
Stddev	.0083534	.004820	.0031706	.004398	.0021629	.1343	.003353
%RSD	4.723563	16.96385	2.983975	492.4190	33.76632	.1301385	.2473304
#1	.1788447	-.033969	.1081889	-.000363	.0077800	103.3239	1.358769
#2	.1840177	-.025328	.1025944	-.005533	.0039124	103.0589	1.352080
#3	.1676737	-.025947	.1079770	.003216	.0075242	103.2297	1.355822

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048708	.0009540	122.1870	.2030297	.1124082	.2968302	214.7135
Stddev	.0002006	.0000301	.2828	.0014493	.0009244	.0030496	.4577
%RSD	4.119058	3.158782	.2314831	.7138532	.8223302	1.027392	.2131764
#1	.0046391	.0009299	122.3784	.2044465	.1114736	.2997196	215.1927
#2	.0049890	.0009878	121.8621	.2030928	.1124290	.2936424	214.2807
#3	.0049842	.0009443	122.3204	.2015499	.1133220	.2971286	214.6672

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.478764	61.21526	.2404291	-.013242	2.569186	.4407659	.3642468
Stddev	.004895	.43745	.0005596	.000278	.230328	.0092655	.0015556
%RSD	.1093034	.7146112	.2327399	2.096263	8.965005	2.102148	.4270770
#1	4.481573	61.56139	.2405107	-.012927	2.306646	.4478317	.3624542
#2	4.473111	60.72359	.2398332	-.013450	2.737272	.4302756	.3650433
#3	4.481606	61.36080	.2409433	-.013349	2.663639	.4441906	.3652429

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.47035	4.872904	.2170753	-.000845	.5169295	3.243924	.0014311
Stddev	.11283	.012914	.0019796	.000498	.0073800	.010565	.0026468
%RSD	.7797304	.2650134	.9119349	58.95297	1.427658	.3256960	184.9486
#1	14.59855	4.864522	.2159022	-.001213	.5125869	3.240983	-.000654
#2	14.38616	4.866413	.2159629	-.000278	.5254506	3.235141	.004409
#3	14.42632	4.887775	.2193609	-.001044	.5127509	3.255649	.000538

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-10DLX2 Acquired: 10/26/2024 23:09:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE479 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.558396	.0651951	.4577649
Stddev	.007729	.0019354	.0012115
%RSD	.3021149	2.968674	.2646524
#1	2.553644	.0671878	.4588635
#2	2.554230	.0633225	.4564656
#3	2.567315	.0650750	.4579657

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	990.4078	22866.86	2126.416	834.4387	1577.167
Stddev	2.1109	66.90	5.653	4.3764	.361
%RSD	.2131387	.2925727	.2658265	.5244762	.0229150
#1	988.0435	22790.46	2124.722	838.0869	1577.465
#2	992.1034	22914.99	2132.722	835.6431	1576.765
#3	991.0764	22895.12	2121.804	829.5862	1577.271

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-11DLX2 Acquired: 10/26/2024 23:13:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE480 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1873667	-.026988	.1515296	-.002922	.0088639	111.5960	1.226317
Stddev	.0027287	.002359	.0034886	.005545	.0049433	.1661	.003610
%RSD	1.456366	8.741390	2.302268	189.7624	55.76938	.1488417	.2943981
#1	.1904726	-.028561	.1513928	-.006073	.0136602	111.6615	1.226091
#2	.1853544	-.028129	.1481114	-.006174	.0091458	111.7193	1.230036
#3	.1862731	-.024276	.1550846	.003481	.0037856	111.4071	1.222826

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0055610	.0017764	49.89825	.2146172	.1150523	.3873016	213.0130
Stddev	.0001010	.0001028	.12533	.0003392	.0007436	.0051473	.5047
%RSD	1.815709	5.784396	.2511701	.1580279	.6463448	1.329009	.2369241
#1	.0054886	.0016690	49.82987	.2149860	.1145926	.3923313	213.2085
#2	.0056764	.0018737	50.04290	.2145469	.1146541	.3875292	213.3906
#3	.0055181	.0017866	49.82198	.2143187	.1159102	.3820443	212.4398

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.508742	46.90836	.2230304	-.016705	.9781625	.3899202	.4385978
Stddev	.007871	.14674	.0002004	.000444	.2331601	.0010890	.0021297
%RSD	.1209321	.3128166	.0898718	2.660437	23.83655	.2792899	.4855706
#1	6.509745	47.06345	.2232339	-.016974	1.234064	.3891000	.4396277
#2	6.516063	46.88990	.2228331	-.016192	.777758	.3911557	.4361489
#3	6.500417	46.77173	.2230242	-.016949	.922665	.3895047	.4400167

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	22.45566	4.882740	.2247646	.0012205	.9260996	3.551893	.0071565
Stddev	.20783	.007003	.0007534	.0001343	.0063101	.021527	.0014070
%RSD	.9255091	.1434135	.3351773	11.00532	.6813620	.6060706	19.66035
#1	22.58101	4.877923	.2256156	.0013749	.9240667	3.576395	.0071689
#2	22.21576	4.879524	.2241830	.0011300	.9331756	3.536015	.0085572
#3	22.57020	4.890773	.2244952	.0011567	.9210566	3.543269	.0057433

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-11DLX2 Acquired: 10/26/2024 23:13:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE480 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.324193	.0710353	.2204385
Stddev	.005015	.0014766	.0006770
%RSD	.2157707	2.078730	.3071314
#1	2.324420	.0720345	.2210722
#2	2.329092	.0693392	.2205182
#3	2.319069	.0717322	.2197252

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1023.811	23504.73	2198.084	860.9302	1612.045
Stddev	1.580	65.89	10.690	.5064	3.415
%RSD	.1543582	.2803431	.4863246	.0588217	.2118258
#1	1024.070	23518.65	2186.398	860.7649	1614.701
#2	1025.245	23432.99	2200.483	861.4986	1613.242
#3	1022.117	23562.56	2207.370	860.5271	1608.194

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-12DLX2 Acquired: 10/26/2024 23:18:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE481 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2923854	-.035416	.2516029	.0026101	.0100491	122.3016	1.424399
Stddev	.0042745	.005775	.0020168	.0091969	.0033863	.0245	.000291
%RSD	1.461935	16.30611	.8015982	352.3590	33.69751	.0200062	.0204401
#1	.2932381	-.042055	.2539149	-.005613	.0122128	122.3247	1.424216
#2	.2961693	-.032629	.2506891	.012541	.0061467	122.3041	1.424245
#3	.2877489	-.031563	.2502047	.000902	.0117879	122.2759	1.424734

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059755	.0051999	56.15493	.2562494	.1435267	.7154071	242.1624
Stddev	.0001262	.0003105	.10910	.0006109	.0005138	.0064690	.2892
%RSD	2.111275	5.972282	.1942802	.2383867	.3579928	.9042457	.1194251
#1	.0058400	.0053539	56.04400	.2560790	.1431655	.7184947	242.2236
#2	.0060895	.0048424	56.26210	.2557418	.1441149	.7197537	242.4160
#3	.0059969	.0054033	56.15869	.2569273	.1432997	.7079727	241.8474

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.138380	53.76429	.2685007	-.017925	.9641814	.4548291	.5803045
Stddev	.005232	.21212	.0010393	.000582	.0650777	.0087063	.0044869
%RSD	.0642885	.3945384	.3870790	3.245115	6.749530	1.914187	.7732048
#1	8.132423	53.97918	.2690100	-.018392	.8900961	.4645046	.5812810
#2	8.142230	53.75862	.2691872	-.018109	.9903315	.4476276	.5842227
#3	8.140487	53.55506	.2673050	-.017274	1.012116	.4523550	.5754097

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.40686	5.121560	.2526962	.0001002	.7765219	3.653080	.0055479
Stddev	.09619	.012706	.0007658	.0000429	.0113700	.015789	.0014824
%RSD	.3785862	.2480958	.3030454	42.76646	1.464218	.4321994	26.72043
#1	25.37986	5.136046	.2530389	.0001402	.7829190	3.656998	.0042673
#2	25.51367	5.112298	.2518189	.0001055	.7832522	3.666541	.0052045
#3	25.32707	5.116337	.2532308	.0000550	.7633944	3.635701	.0071718

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-12DLX2 Acquired: 10/26/2024 23:18:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE481 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.590417	.0832559	.2483122
Stddev	.004959	.0008745	.0000965
%RSD	.1914537	1.050437	.0388438
#1	2.591091	.0832283	.2482013
#2	2.585155	.0823955	.2483766
#3	2.595005	.0841440	.2483586

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1027.671	23656.55	2251.634	869.7472	1595.193
Stddev	2.845	37.12	8.618	4.4349	1.340
%RSD	.2768421	.1569027	.3827499	.5099094	.0840134
#1	1024.928	23682.92	2249.444	870.4287	1595.220
#2	1030.608	23672.62	2244.323	865.0110	1596.520
#3	1027.478	23614.10	2261.136	873.8019	1593.840

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-13DLX2 Acquired: 10/26/2024 23:22:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE481D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3379672	-.033949	.2826354	-.002489	.0110624	133.3241	1.452516
Stddev	.0032459	.003442	.0018008	.006537	.0028159	.3410	.003550
%RSD	.9604164	10.13735	.6371607	262.6144	25.45446	.2557534	.2443738
#1	.3408642	-.034882	.2836444	.000499	.0125669	132.9306	1.449116
#2	.3385780	-.030138	.2805562	-.009987	.0078139	133.5327	1.452232
#3	.3344592	-.036829	.2837054	.002020	.0128066	133.5089	1.456198

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0067659	.0063875	64.65609	.2750507	.1577858	.7874375	263.3626
Stddev	.0000977	.0004613	.24184	.0015559	.0005886	.0066374	1.0922
%RSD	1.443361	7.222171	.3740441	.5656808	.3730439	.8429110	.4147140
#1	.0067131	.0058610	64.51897	.2736939	.1577863	.7871975	262.1187
#2	.0067060	.0065807	64.51397	.2747092	.1571969	.7941916	263.8041
#3	.0068786	.0067208	64.93533	.2767490	.1583741	.7809233	264.1648

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.893186	59.31142	.3000806	-.020660	1.047705	.4941954	.6442188
Stddev	.027824	.11227	.0012106	.000469	.125753	.0142637	.0016060
%RSD	.3525083	.1892903	.4034185	2.269982	12.00275	2.886247	.2492942
#1	7.864482	59.20187	.3006439	-.020121	.926438	.4792133	.6438584
#2	7.895037	59.30615	.3009068	-.020885	1.177509	.5076115	.6428236
#3	7.920038	59.42623	.2986910	-.020975	1.039167	.4957615	.6459743

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.71125	6.045017	.2743474	.0002692	.8781775	2.019081	.0034591
Stddev	.15516	.019948	.0026090	.0007317	.0026075	.013917	.0041126
%RSD	.5404293	.3299911	.9509969	271.7931	.2969175	.6892809	118.8924
#1	28.53599	6.032315	.2715272	.0002873	.8794945	2.003352	.0062175
#2	28.76668	6.034727	.2748397	-.000471	.8798637	2.024094	-.001268
#3	28.83109	6.068008	.2766751	.000992	.8751742	2.029798	.005427

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-13DLX2 Acquired: 10/26/2024 23:22:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE481D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.616329	.0942418	.2679850
Stddev	.006037	.0004904	.0004738
%RSD	.2307583	.5203192	.1768113
#1	2.610544	.0943691	.2674565
#2	2.622590	.0937003	.2683719
#3	2.615852	.0946559	.2681266

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1033.402	23938.95	2302.886	876.1722	1578.499
Stddev	2.552	62.20	5.923	4.4908	3.020
%RSD	.2469616	.2598318	.2571820	.5125521	.1913079
#1	1031.431	23867.61	2309.200	873.9752	1578.314
#2	1036.285	23981.80	2302.004	881.3386	1581.608
#3	1032.491	23967.45	2297.454	873.2029	1575.577

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-14DLX2 Acquired: 10/26/2024 23:26:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE481S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3583596	.0640917	.2932796	.1532999	.1664819	124.1590	5.214242
Stddev	.0019686	.0027517	.0030686	.0039136	.0036588	.4805	.006922
%RSD	.5493245	4.293447	1.046289	2.552898	2.197702	.3870085	.1327526
#1	.3567716	.0620430	.2901054	.1577575	.1624190	123.6982	5.208178
#2	.3605621	.0672194	.2935032	.1517144	.1695166	124.1218	5.212764
#3	.3577450	.0630126	.2962302	.1504279	.1675099	124.6571	5.221783

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1071765	.1073899	55.27816	.6541551	1.161476	1.139722	239.6499
Stddev	.0006214	.0002325	.15304	.0005362	.004034	.009709	.7429
%RSD	.5798348	.2164986	.2768561	.0819718	.3473325	.8519144	.3099786
#1	.1064755	.1076164	55.16511	.6546669	1.164083	1.130555	238.8803
#2	.1073942	.1071518	55.21706	.6542010	1.156829	1.149896	239.7066
#3	.1076598	.1074016	55.45231	.6535974	1.163516	1.138716	240.3628

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.934478	52.88026	1.288160	.0771396	1.197518	1.406810	1.361476
Stddev	.024741	.29584	.001547	.0007418	.326398	.003240	.006735
%RSD	.2769211	.5594575	.1201020	.9616755	27.25620	.2303314	.4946487
#1	8.905990	52.61701	1.287786	.0778738	1.542807	1.405177	1.355850
#2	8.950580	53.20043	1.286834	.0763903	1.155705	1.410542	1.368938
#3	8.946865	52.82336	1.289859	.0771547	.894041	1.404712	1.359641

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.06415	5.034389	.2509814	.0003533	.7409420	3.725348	.0070146
Stddev	.11204	.015722	.0013493	.0003980	.0099976	.029281	.0007916
%RSD	.4470321	.3122881	.5376250	112.6593	1.349308	.7859932	11.28561
#1	25.01035	5.031306	.2495204	-.000096	.7498450	3.693393	.0074693
#2	24.98915	5.020437	.2521808	.000494	.7301262	3.731758	.0074741
#3	25.19295	5.051424	.2512431	.000662	.7428548	3.750893	.0061005

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-14DLX2 Acquired: 10/26/2024 23:26:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE481S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.581617	.0828344	.2452240
Stddev	.013304	.0020113	.0013188
%RSD	.5153481	2.428050	.5377786
#1	2.572954	.0806361	.2437593
#2	2.574962	.0845821	.2455954
#3	2.596936	.0832851	.2463172

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1021.765	23530.87	2222.776	859.1454	1596.208
Stddev	1.755	12.03	15.645	3.2089	4.660
%RSD	.1717845	.0511137	.7038402	.3734987	.2919536
#1	1021.319	23520.63	2238.088	860.0568	1593.604
#2	1023.701	23544.11	2223.421	855.5794	1601.588
#3	1020.276	23527.86	2206.819	861.8000	1593.431

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCV008 Acquired: 10/26/2024 23:31:11 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV008 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.087968	4.773889	25.01370	4.676854	4.780256	415.0935	10.21608
Stddev	.036422	.023116	.01230	.013617	.016514	.6159	.01776
%RSD	.7158520	.4842118	.0491666	.2911493	.3454713	.1483811	.1738117
#1	5.045963	4.783868	25.02282	4.662766	4.763328	414.5739	10.20921
#2	5.107157	4.747460	25.01857	4.677850	4.781117	415.7738	10.23624
#3	5.110783	4.790339	24.99972	4.689945	4.796323	414.9328	10.20279

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5471063	2.529253	413.0749	15.19892	2.529136	14.97623	415.1725
Stddev	.0021885	.001066	.2736	.03758	.002384	.02360	.2100
%RSD	.4000042	.0421276	.0662294	.2472709	.0942462	.1575690	.0505741
#1	.5446377	2.530369	412.9189	15.22660	2.531697	14.98385	415.0681
#2	.5478728	2.529143	413.3908	15.21404	2.528731	14.99508	415.4142
#3	.5488084	2.528247	412.9150	15.15614	2.526981	14.94977	415.0352

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.89557	419.3774	2.510199	1.281849	411.5992	2.483477	14.47821
Stddev	.01108	.8750	.003172	.001376	.3966	.009348	.05579
%RSD	.0743529	.2086410	.1263532	.1073478	.0963606	.3764183	.3853614
#1	14.90023	418.3970	2.510262	1.282450	411.6203	2.483830	14.41747
#2	14.90355	419.6562	2.506996	1.282822	411.1925	2.473957	14.49001
#3	14.88292	420.0790	2.513338	1.280275	411.9849	2.492644	14.52717

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	157.0472	4.950156	5.134276	4.753613	5.042742	5.092746	5.036766
Stddev	.1333	.005323	.017554	.015464	.007162	.011554	.016893
%RSD	.0848707	.1075335	.3418998	.3253099	.1420282	.2268666	.3353887
#1	157.1673	4.949880	5.120789	4.738423	5.041033	5.079554	5.033480
#2	156.9038	4.944976	5.154123	4.753079	5.050604	5.101065	5.021757
#3	157.0706	4.955612	5.127915	4.769337	5.036589	5.097618	5.055060

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCV008 Acquired: 10/26/2024 23:31:11 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV008 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.987881	5.118084	5.081266
Stddev	.001158	.010793	.005976
%RSD	.0232246	.2108759	.1176050
#1	4.987373	5.120718	5.077683
#2	4.987064	5.127317	5.088165
#3	4.989207	5.106219	5.077952

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	761.9527	19734.10	1883.539	602.8192	1324.972
Stddev	2.0268	54.98	1.289	2.0574	.062
%RSD	.2660050	.2786185	.0684424	.3412966	.0046909
#1	764.2410	19677.36	1884.616	604.8564	1324.963
#2	761.2337	19737.81	1882.111	602.8591	1324.915
#3	760.3833	19787.14	1883.891	600.7422	1325.038

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCB008 Acquired: 10/26/2024 23:35:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB008 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003488	.0020038	.0014509	-.002581	.0012934	.0415653	.0004292
Stddev	.0024323	.0011772	.0022639	.003634	.0009384	.0126593	.0001376
%RSD	697.2872	58.75070	156.0293	140.7872	72.55158	30.45642	32.05599
#1	.0025383	.0031484	-.000790	-.004232	.0023493	.0380496	.0002715
#2	-.002269	.0007964	.003737	-.005097	.0009763	.0556108	.0004914
#3	.000778	.0020664	.001405	.001585	.0005547	.0310354	.0005248

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000166	.0000573	.0167262	-.000095	.0003078	.0003315	.0367517
Stddev	.000109	.0000309	.0111573	.000225	.0001917	.0054194	.0130249
%RSD	65.81407	53.87209	66.70570	235.8685	62.28918	1634.825	35.44027
#1	-.000043	.0000929	.0096689	.000067	.0003386	-.005760	.0252449
#2	-.000252	.0000421	.0109204	-.000000	.0001025	.004618	.0508922
#3	-.000204	.0000370	.0295893	-.000353	.0004822	.002137	.0341179

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001064	-.025086	.0004694	.0017599	-.274184	.0015825	.0002076
Stddev	.0003418	.045401	.0003811	.0003615	.243585	.0053354	.0000689
%RSD	321.2627	180.9820	81.19033	20.54227	88.83981	337.1583	33.20953
#1	.0004682	-.063438	.0008946	.0021604	-.463281	-.003987	.0002276
#2	-.000211	.025043	.0001587	.0014577	.000684	.006648	.0002644
#3	.000062	-.036863	.0003548	.0016616	-.359955	.002087	.0001309

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.227795	.0017531	.0006069	.0004152	.0000779	-.001734	.0007795
Stddev	.080970	.0015680	.0009333	.0004258	.0043903	.000683	.0015796
%RSD	35.54502	89.44073	153.7861	102.5535	5633.222	39.39493	202.6364
#1	-.290677	.0032263	.0004205	.0000464	-.002340	-.001534	.0008913
#2	-.136433	.0001051	.0016194	.0008812	.005146	-.002495	.0023002
#3	-.256274	.0019278	-.000219	.0003180	-.002572	-.001173	-.000853

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCB008 Acquired: 10/26/2024 23:35:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB008 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001637	-.008213	.0001943
Stddev	.001807	.001219	.0001137
%RSD	110.4290	14.84023	58.49992
#1	-.000635	-.008615	.0003240
#2	-.000552	-.009181	.0001120
#3	-.003723	-.006844	.0001469

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	954.8865	21600.20	1996.988	803.2870	1739.325
Stddev	3.1020	70.70	7.195	3.1625	7.020
%RSD	.3248542	.3273160	.3602917	.3936896	.4036074
#1	951.6212	21530.63	1998.114	803.9211	1731.425
#2	957.7942	21598.01	2003.554	799.8555	1744.846
#3	955.2441	21671.98	1989.296	806.0843	1741.705

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Prep Standard - Chemical Standard Summary

Order ID : P4477

Test : Metals CLP Full

Prepbatch ID : PB164346,

Sequence ID/Qc Batch ID: LB133149,

Standard ID :
MP81119,MP82127,MP82441,MP82442,MP82443,MP82444,MP82445,MP82446,MP82450,MP82451,MP82452,MP82453,MP82455,MP82456,MP82631,MP82632,MP82711,MP82731,

Chemical ID :
M4960,M5130,M5192,M5218,M5223,M5288,M5289,M5295,M5296,M5390,M5394,M5429,M5467,M5473,M5498,M5513,M5515,M5519,M5634,M5658,M5697,M5698,M5747,M5748,M5769,M5798,M5799,M5800,M5801,M5802,M5806,M5814,M5815,M5816,M5817,M5818,M5819,M5820,M5875,M5935,M5961,M5962,M5970,M5976,M5978,M5982,M5984,M5990,M5999,M6021,M6023,M6025,M6028,M6030,M6033,M6037,M6040,M6096,W2606,W3112,

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
169	1:1HNO3	MP81119	06/21/2024	04/24/2025	Al-Terek Isaac	METALS_SCALE_2 (M SC-2)	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 06/21/2024

FROM 1250.00000ml of M5935 + 1250.00000ml of W2606 = Final Quantity: 2500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
170	1:1HCL	MP82127	09/03/2024	02/08/2025	Janvi Patel	None	None	Sarabjit Jaswal 09/03/2024

FROM 1250.00000ml of M6040 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml

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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)	MP82441	09/23/2024	10/30/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 09/24/2024

FROM 125.00000ml of M6040 + 2350.00000ml of W3112 + 25.00000ml of M6037 = 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	MP82442	09/23/2024	10/30/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 09/24/2024

FROM 4.00000ml of M5289 + 4.00000ml of M5498 + 4.00000ml of M5515 + 4.00000ml of M5769 + 4.00000ml of M5806 + 30.00000ml of MP82441 = 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
1004	ICPAES ISM01.2 (S5)	MP82443	09/23/2024	10/30/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 09/24/2024

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 M5515 + 14.50000ml of M5658 + 14.50000ml of M6033 + 2.00000ml of M5513 + 22.50000ml of M5498 + 22.50000ml of M5769 + 5.00000ml of M5296 + 5.00000ml of M5394 + 5.00000ml of M5802 + 5.00000ml of M5818 + 5.00000ml of M5875 + 303.50000ml of MP82441 = Final Quantity: 500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1005	ICPAES ISM01.2(S4)	MP82444	09/23/2024	10/30/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 09/24/2024

FROM 250.00000ml of MP82441 + 250.00000ml of MP82443 = 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)	MP82445	09/23/2024	10/30/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 09/24/2024

FROM 25.00000ml of MP82443 + 75.00000ml of MP82441 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1008	ICPAES ISM01.2(S2)	MP82446	09/23/2024	10/30/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 09/24/2024

FROM 12.50000ml of MP82443 + 87.50000ml of MP82441 = 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	MP82450	09/23/2024	10/30/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 09/24/2024

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 MP82441 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
904	ICP AES ICSA SOLN	MP82451	09/23/2024	10/30/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 09/24/2024

FROM 25.00000ml of M5130 + 225.00000ml of MP82441 = 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	MP82452	09/23/2024	10/30/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 09/24/2024

FROM 25.00000ml of M5130 + 25.00000ml of M5223 + 200.00000ml of MP82441 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1119	ICPAES ISM01.2(CCV)	MP82453	09/23/2024	10/30/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 09/24/2024

FROM 0.75000ml of M5498 + 0.75000ml of M5769 + 1.22500ml of M6033 + 1.25000ml of M5515 + 1.25000ml of M5806 + 19.77500ml of MP82441 + 25.00000ml of MP82443 = 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	MP82455	09/23/2024	10/30/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 09/24/2024

FROM 1.00000ml of M5984 + 10.00000ml of M4960 + 1969.00000ml of W3112 + 20.00000ml of M6037 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
903	ICP AES RINSE SOLN	MP82456	09/23/2024	10/30/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 09/24/2024

FROM 200.00000ml of M6037 + 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
994	ICPAES ISM01.2 S1 (CONC.)	MP82631	10/02/2024	10/23/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 10/02/2024

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 M6033 + 0.50000ml of M5697 + 0.50000ml of M6023 + 0.70000ml of M5962 + 0.80000ml of M5961 + 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 MP82441 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1003	ICPAES ISM01.2 S1	MP82632	10/02/2024	10/30/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 10/02/2024

FROM 0.50000ml of MP82631 + 87.50000ml of MP82441 = 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
2950	ICP AES S1/CRI STOCK STD	MP82711	10/07/2024	10/31/2024	Kareem Khairalla	None	None	Sarabjit Jaswal 10/07/2024

FROM 0.00300ml of M6028 + 0.03000ml of M5798 + 0.05000ml of M5515 + 0.05000ml of M5658 + 0.05000ml of M6030 + 0.05000ml of M6033 + 0.06000ml of M5747 + 0.10000ml of M5697 + 0.10000ml of M5698 + 0.10000ml of M5801 + 0.10000ml of M5820 + 0.10000ml of M5962 + 0.10000ml of M5970 + 0.10000ml of M5982 + 0.15000ml of M5800 + 0.20000ml of M5748 + 0.20000ml of M5799 + 0.20000ml of M5819 + 0.20000ml of M6021 + 0.20000ml of M6023 + 0.25000ml of M5467 + 0.25000ml of M5802 + 0.50000ml of M5390 + 0.50000ml of M5814 + 1.00000ml of M5192 + 1.00000ml of M5288 + 1.00000ml of M5498 + 1.00000ml of M5769 + 1.00000ml of M5806 + 1.00000ml of M5978 + 2.00000ml of M5816 + 2.00000ml of M5818 + 77.68000ml of MP82441 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
921	ICPAES SPIKE SOL#6	MP82731	10/04/2024	10/31/2024	Sarabjit Jaswal	METALS_SCALE_2 (M SC-2)	METALS_PIPETTE_3 (A)	Mohan Bera 10/08/2024

FROM 2.50000ml of M5962 + 50.00000ml of M5990 + 50.00000ml of M5999 + 147.50000ml of MP82441 = Final Quantity: 250.000 ml

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CHEMICAL RECEIPT LOG BOOK

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	100721	10/07/2024	10/09/2021 / jaswal	10/08/2021 / jaswal	M4960

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	11/19/2024	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 #
Absolute Standards, Inc.	57042 / Mo, 1000 PPM, 125 ml	051722	05/17/2025	07/01/2022 / bin	06/17/2022 / jaswal	M5192

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	11/19/2024	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.	58119 / K, 10000 PPM, 500 ml	071122	07/11/2025	09/01/2022 / jaswal	07/21/2022 / jaswal	M5288

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CHEMICAL RECEIPT LOG BOOK

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	02/20/2020 / 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

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	11/28/2022 / bin	09/19/2022 / bin	M5394

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

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57058 / Cerium, 1000PPM, 100ML	020623	02/06/2026	03/06/2023 / bin	03/01/2023 / bin	M5467

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.	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

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CHEMICAL RECEIPT LOG BOOK

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	02/03/2025	04/18/2024 / jaswal	08/03/2022 / Al-Terek	M5634

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

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.	/ Lead (Pb) 1000PPM	100923	10/09/2026	05/20/2024 / Jaswal	12/20/2023 / jaswal	M5747

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Nickel (Ni) 1000PPM	091223	09/12/2026	01/02/2024 / bin	12/20/2023 / jaswal	M5748

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CHEMICAL RECEIPT LOG BOOK

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

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

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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.	57005 / B, 1000 PPM, 125 ml	071123	07/11/2026	03/26/2024 / Sohil	01/03/2024 / jaswal	M5814

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

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

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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

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	12/08/2024	06/21/2024 / Al-Terek	06/07/2024 / Al-Terek	M5935

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	07/02/2024 / Jaswal	06/11/2024 / Jaswal	M5961

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

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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

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	CGY10-1 / YTTRIUM 125mL 10,000ug/mL	V2-Y740548	02/20/2029	08/05/2024 / kareem	06/14/2024 / Jaswal	M5984

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

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CHEMICAL RECEIPT LOG BOOK

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

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	06/12/2027	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	01/25/2019 / 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

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CHEMICAL RECEIPT LOG BOOK

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-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	02/02/2025	08/24/2024 / Janvi	08/01/2024 / Janvi	M6037

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)	24D1562005	02/08/2025	08/09/2024 / jaswal	08/01/2024 / Janvi	M6040

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	03/25/2029	10/22/2024 / Janvi	09/21/2024 / Janvi	M6096

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	10/24/2024	10/24/2019 / apatel	10/24/2019 / apatel	W2606

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) HNO_3
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:

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

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

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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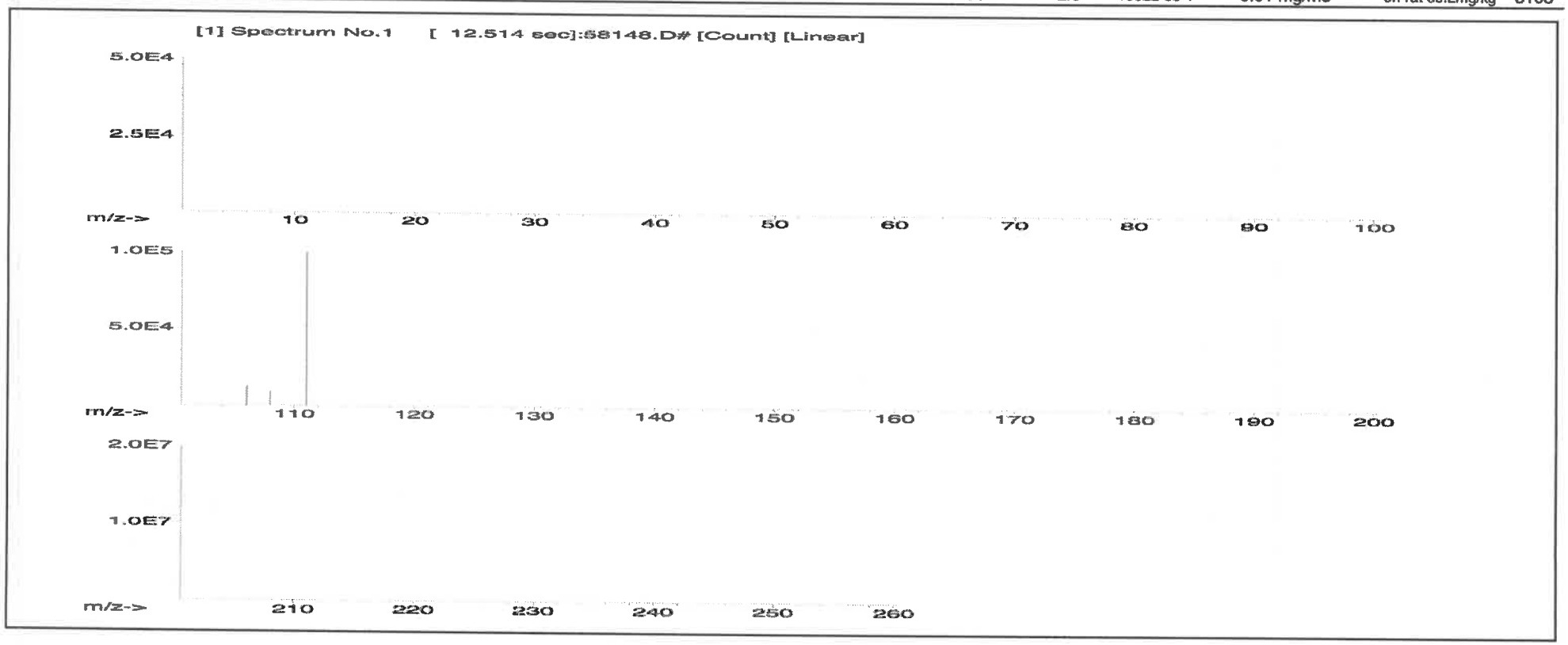
CERTIFIED WEIGHT REPORT:

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).

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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.

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)

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

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Certificate of Analysis

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Christiansburg, VA 24073 USA
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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-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 (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

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)

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"

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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

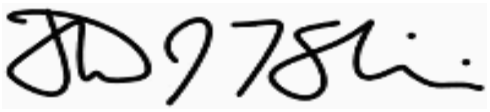
- Sealed TCT Bag Open Date: _____

- 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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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.

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

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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:

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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

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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.

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- 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.

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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

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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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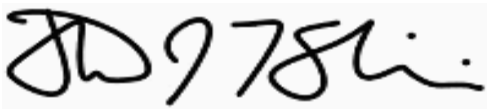
12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

R: 8/5/24

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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

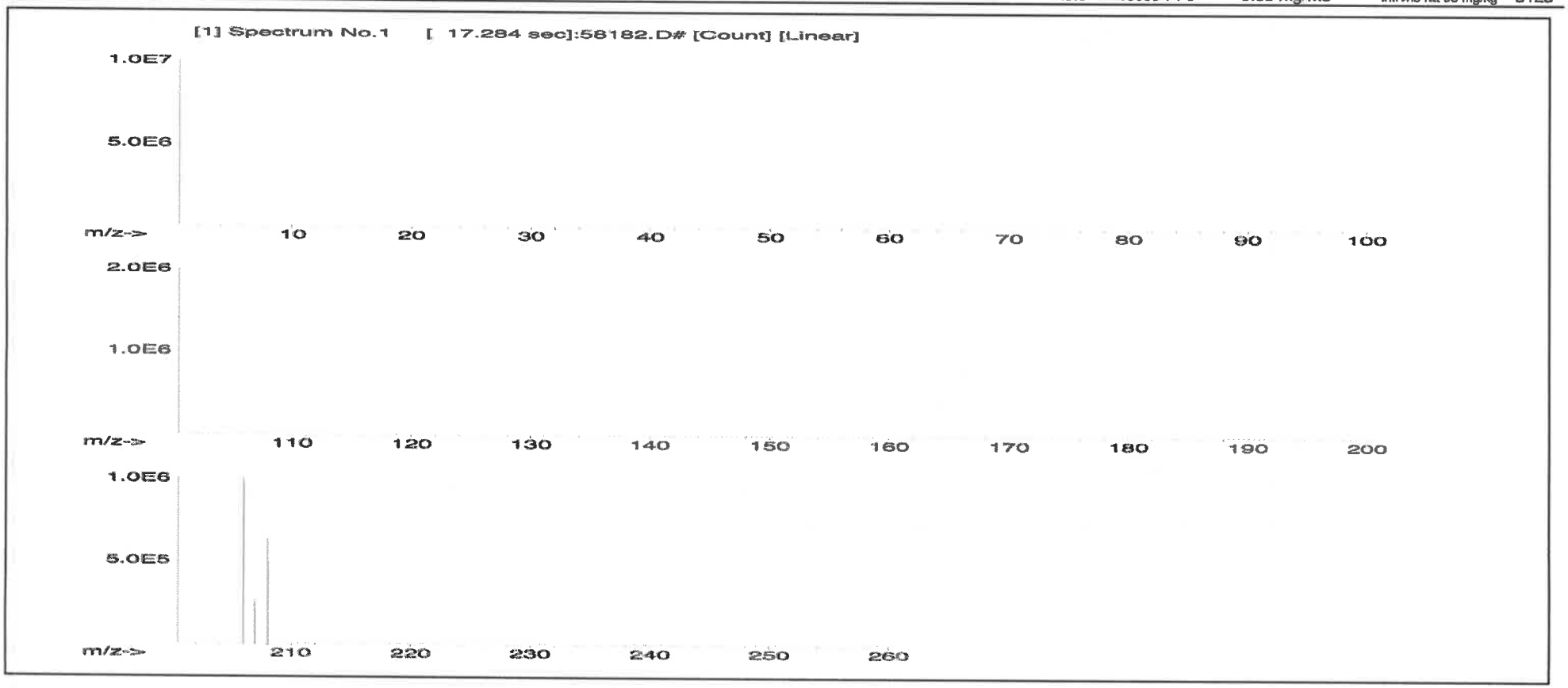
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

	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).

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Certified Reference Material CRM

M4960 R: 10/08/21 BH

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AR-1539 Certificate Number
https://Absolutestandards.com

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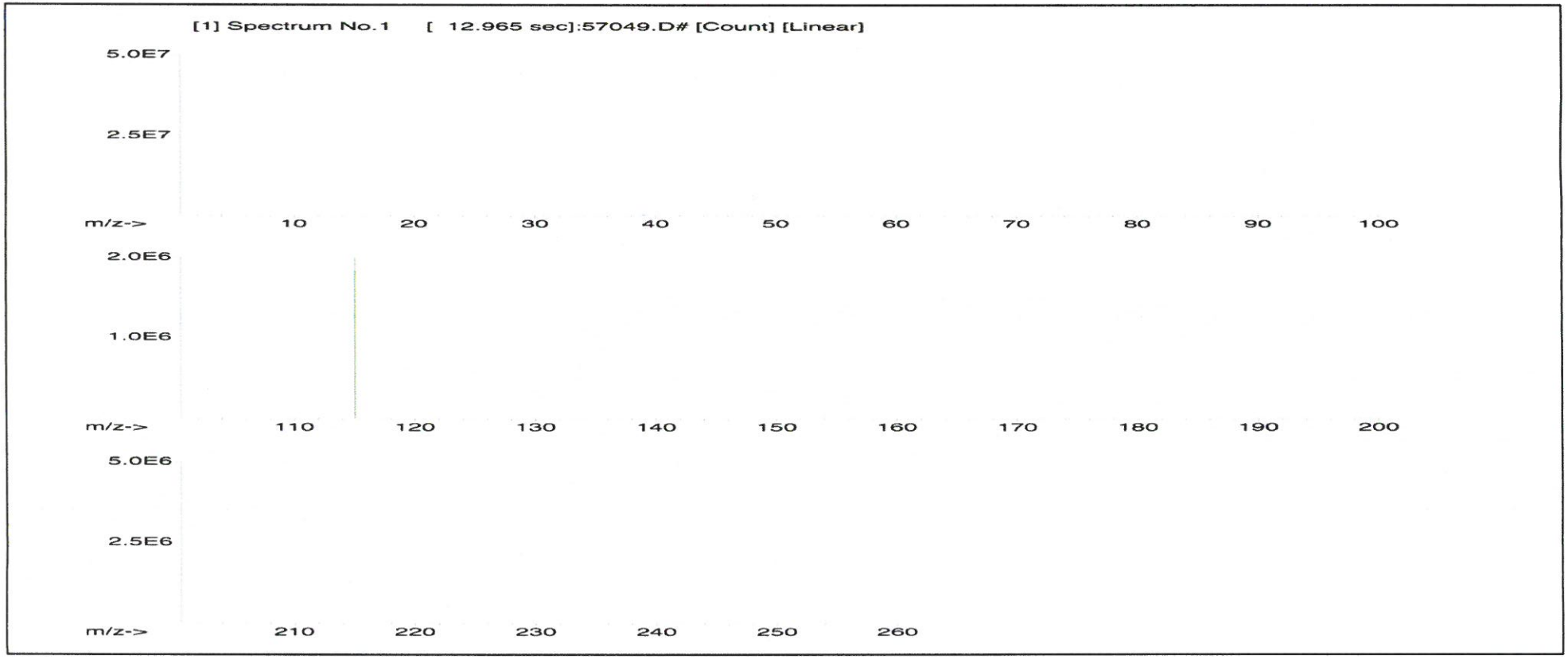
CERTIFIED WEIGHT REPORT:

Part Number:	**58149**		**Lot #**		
Lot Number:	**100721**	**Solvent:**	20370011	Nitric Acid	
Description:	**Indium (In)**	5%	25.0 (mL)	Nitric Acid	
Expiration Date:	100724				
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):	500.06	0.058	Flask Uncertainty		

Giovanni Esposito

Formulated By:	Giovanni Esposito	100721
Reviewed By:	Pedro L. Rentas	100721

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. Indium Oxide (In)	IN086	W1096A	10000	99.999	0.10	82.6	6.05408	6.05441	**10000.6**	**20.1**	1312-43-2	NA	NA	3124a



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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	<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	T	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.
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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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Certified Reference Material CRM

M5192 R: 06/17/22

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CERTIFIED WEIGHT REPORT:

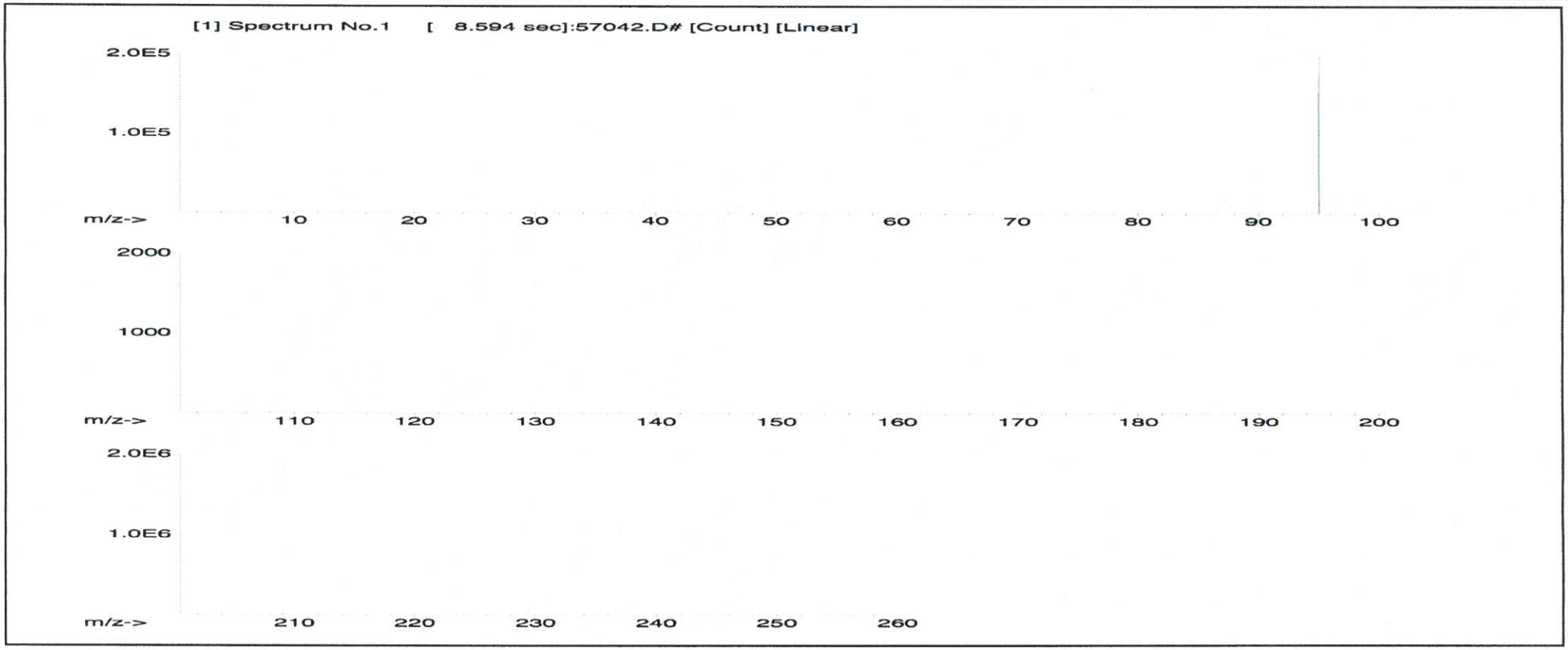
Part Number: 57042
Lot Number: 051722
Description: Molybdenum (Mo)
Expiration Date: 051725
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Volume shown below was diluted to (mL): 3000.41

Lot #	Solvent:		
MKBQ8597V	Ammonium hydroxide		
0.5%	15.0 (mL)	Ammonium hydroxide	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	051722
Reviewed By:	Pedro L. Rentas	051722

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 molybdate (Mo)	58142	022222	0.1000	300.0	0.084	1000	10001.0	**1000.0**	**2.1**	13106-76-8	5 mg(Mo)/m3	orl-rat 333 mg/kg	3134



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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	<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	T	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

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Christiansburg, VA 24073 USA
inorganicventures.com

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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:	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.

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)

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

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.

V15200 R: 04/24/22 (BP)

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CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 071122
Description: Potassium (K)

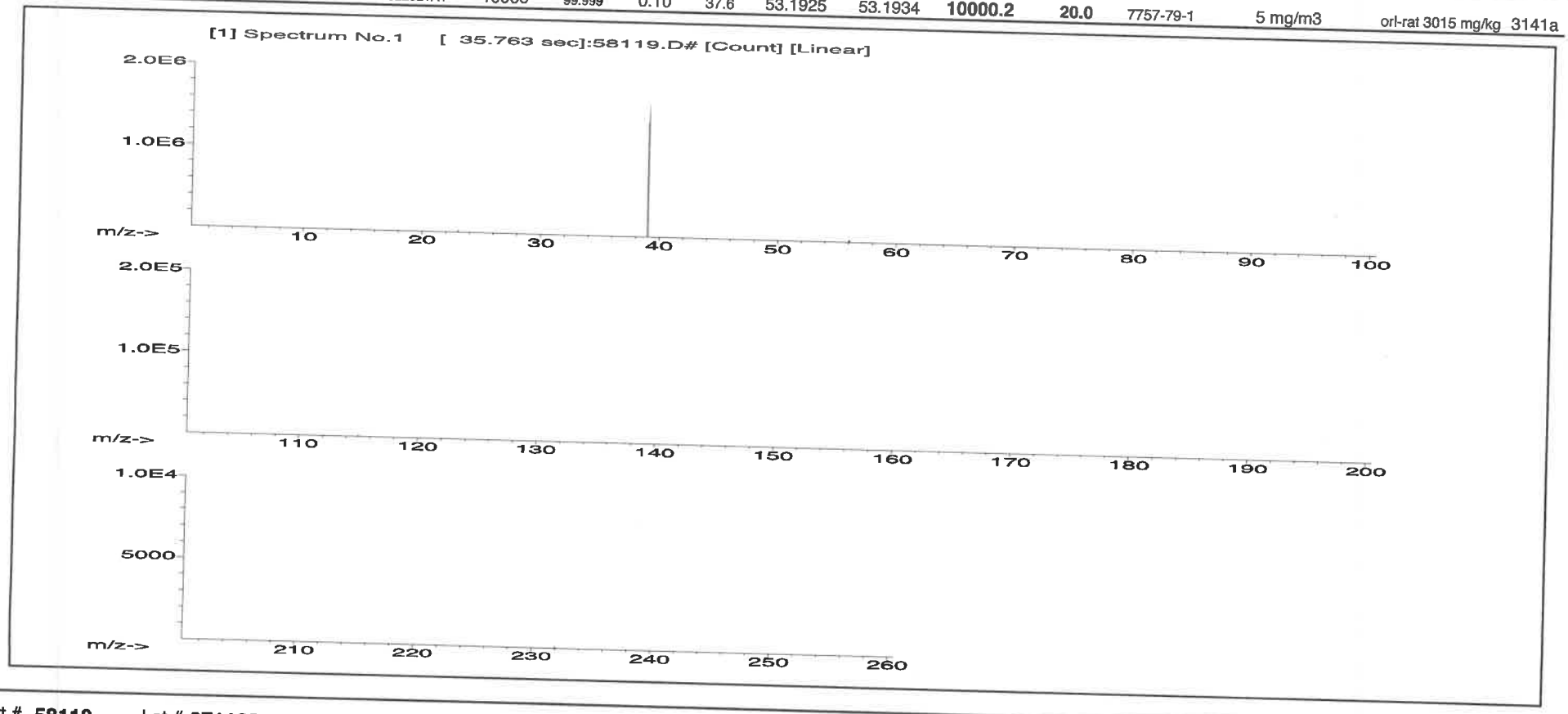
Expiration Date: 071125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

		Lot #	
Solvent:	20510011		Nitric Acid
2%	40.0 (mL)		Nitric Acid
5E-05	Balance Uncertainty		
0.058	Flask Uncertainty		

Formulated By: Lawrence Barry 071122

Reviewed By: Pedro L. Rentas 071122

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	53.1925	53.1934	**10000.2**	**20.0**	7757-79-1	5 mg/m3	orl-rat 3015 mg/kg	3141a



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.
* 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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M5289 R: 07/12/22 (BH)

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CERTIFIED WEIGHT REPORT:

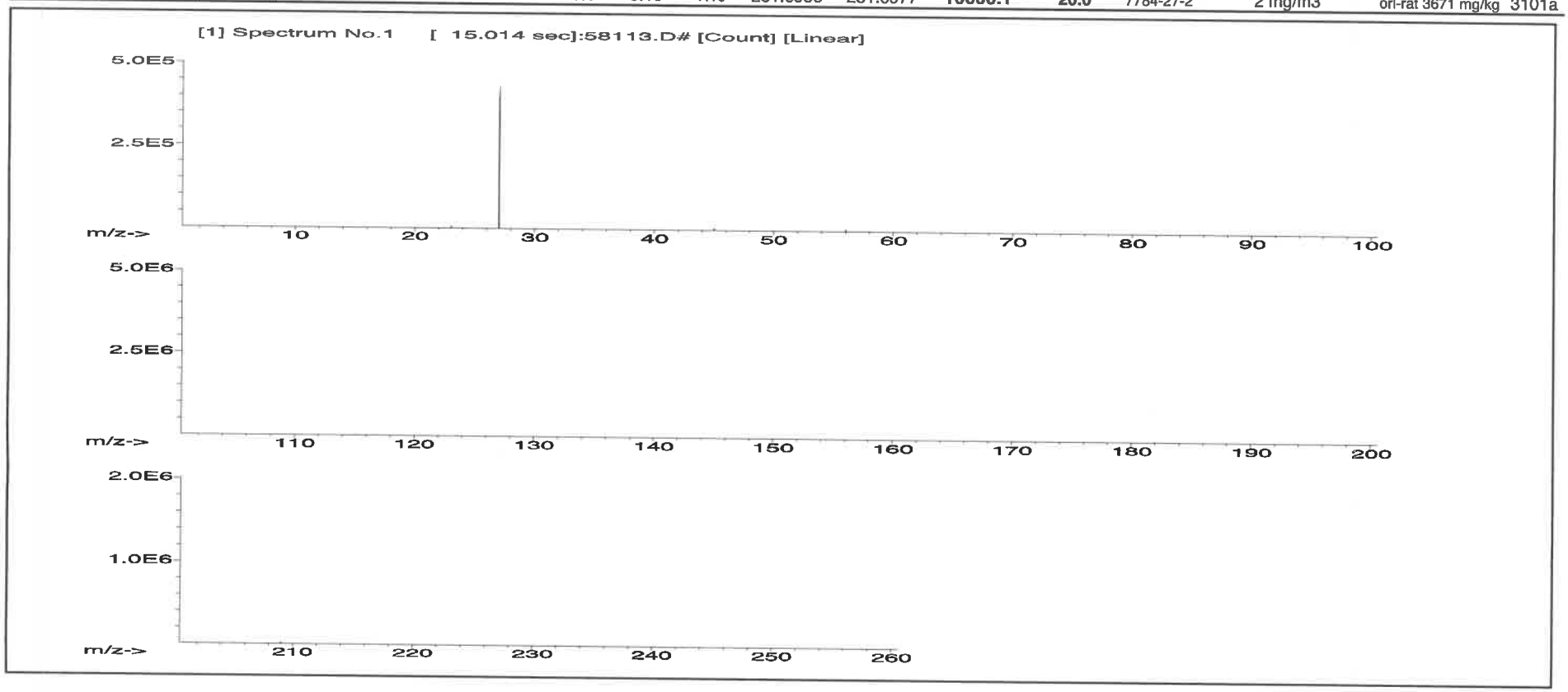
Part Number: 58113
Lot Number: 070622
Description: Aluminum (Al)

Expiration Date: 070625
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:	20370011	Nitric Acid	
2%	40.0 (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. 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



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)

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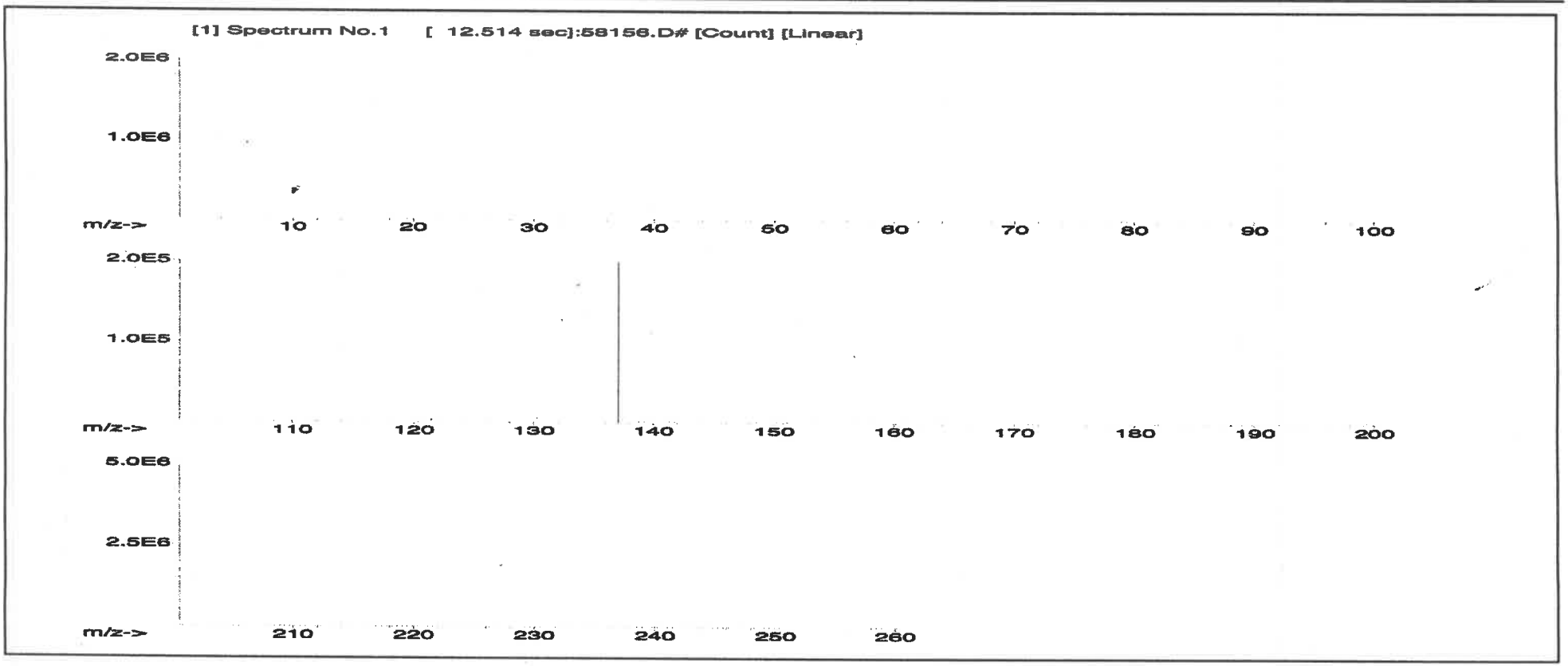
CERTIFIED WEIGHT REPORT:

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.
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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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M5429 R1 01/26/23 BH

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CERTIFIED WEIGHT REPORT:

Part Number: 57103
Lot Number: 070622
Description: Lithium (Li)

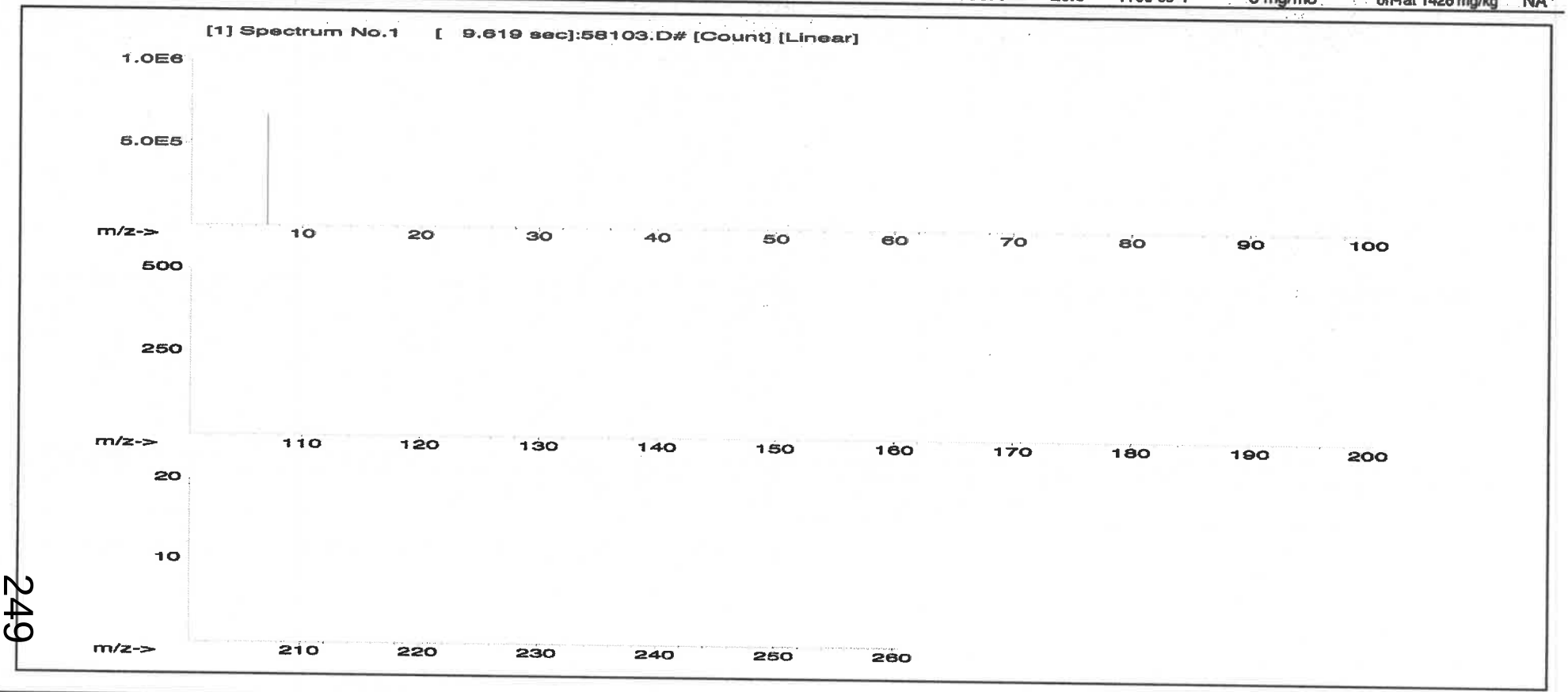
Expiration Date: 070625
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 1000.12

	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:

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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M5467 R: 03/01/23 (LA)

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CERTIFIED WEIGHT REPORT:

Part Number: 57058
Lot Number: 020623
Description: Cerium (Ce)

Expiration Date: 020626
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

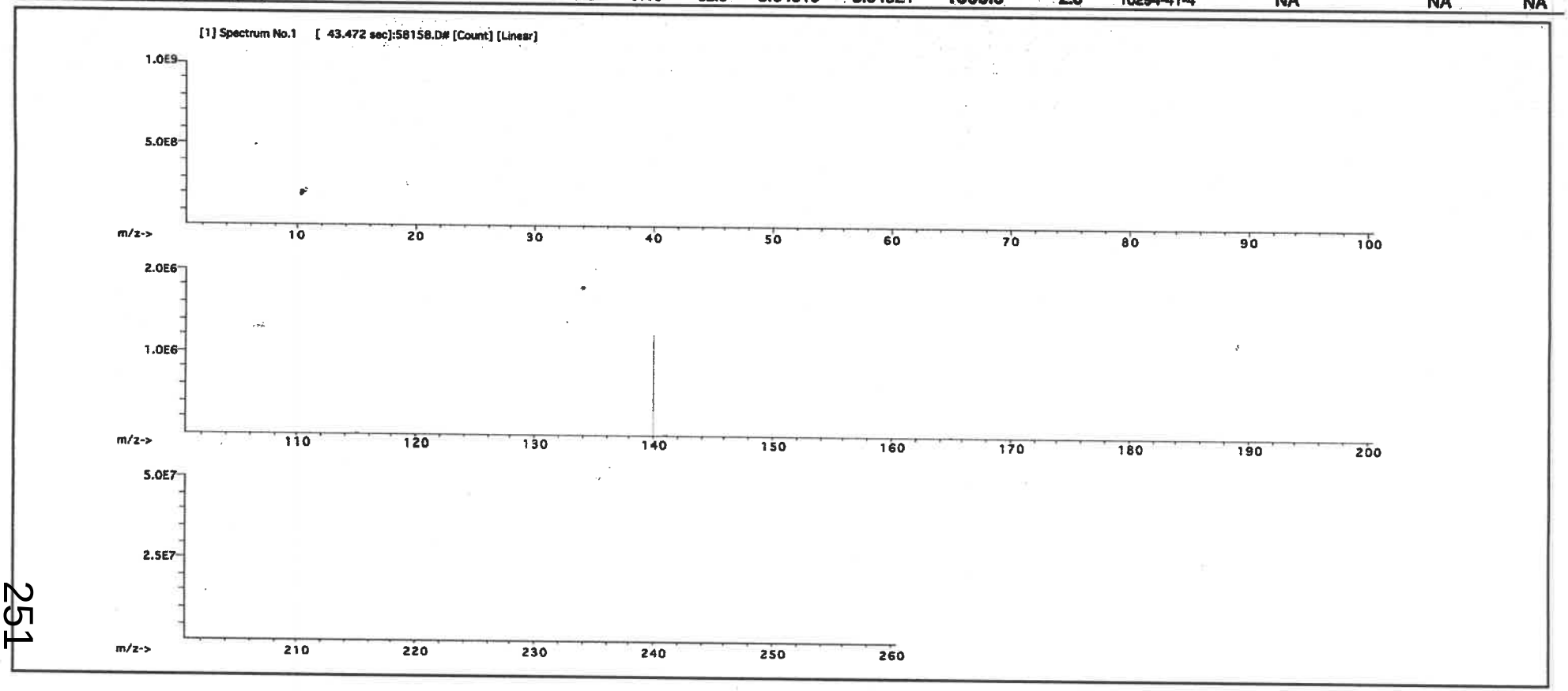
Weight shown below was diluted to (mL): 1000.12 0.058 Flask Uncertainty

		Lot #	
Solvent:	21110221	Nitric Acid	
2%	20.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Formulated By:	Lawrence Barry	020623
Reviewed By:	Pedro L. Rentas	020623

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. Cerium nitrate hexahydrate (Ce)	IN146	Z512CEB1	1000	99.999	0.10	32.8	3.04919	3.04921	**1000.0**	**2.0**	10294-41-4	NA	NA	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	<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	T	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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* 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

M5497 - M5498 R: 03/17/23 BH

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CERTIFIED WEIGHT REPORT:

Part Number: 58120
Lot Number: 031523
Description: Calcium (Ca)

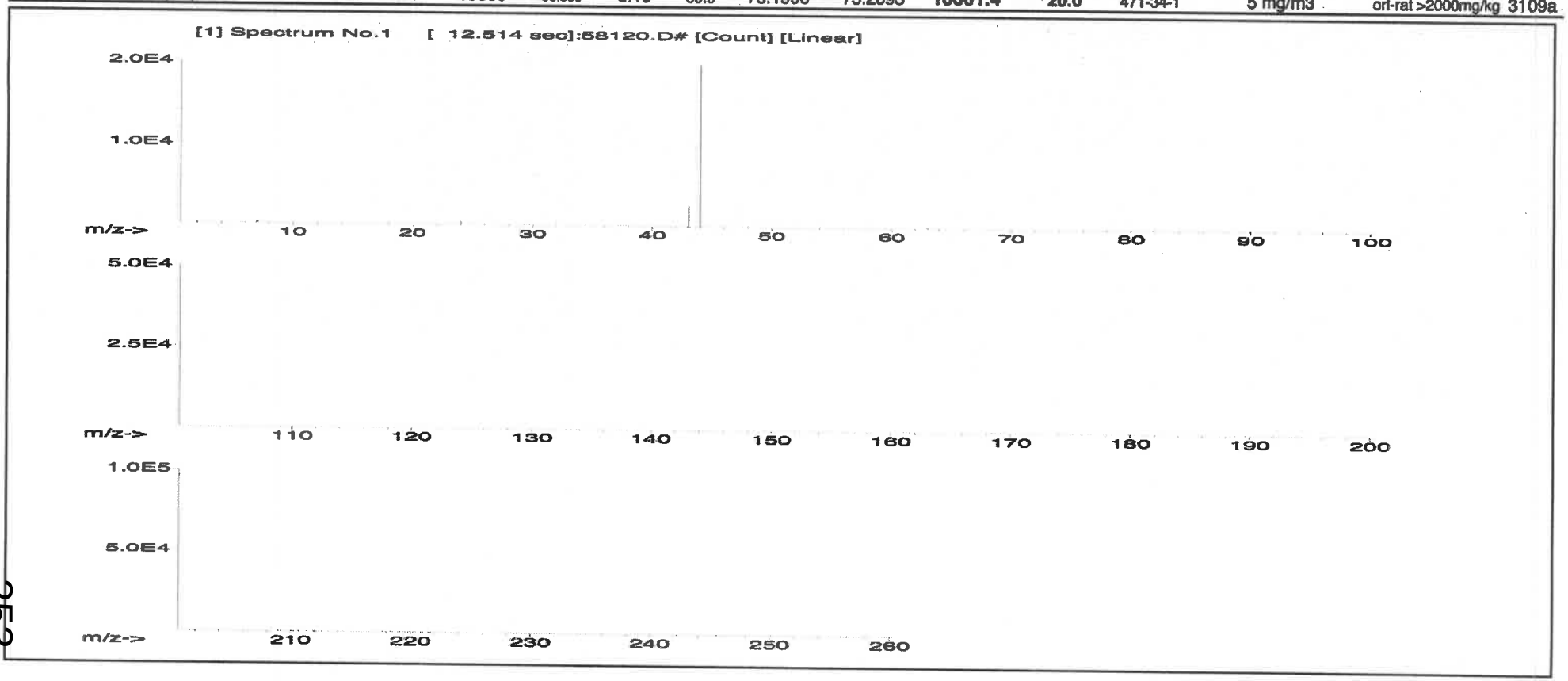
Expiration Date: 031526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41

	Lot #		
Solvent:	21110221	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.058	Flask Uncertainty	

Giovanni Esposito

Formulated By:	Giovanni Esposito	031523
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



253

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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* 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.
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* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
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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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M 5513 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

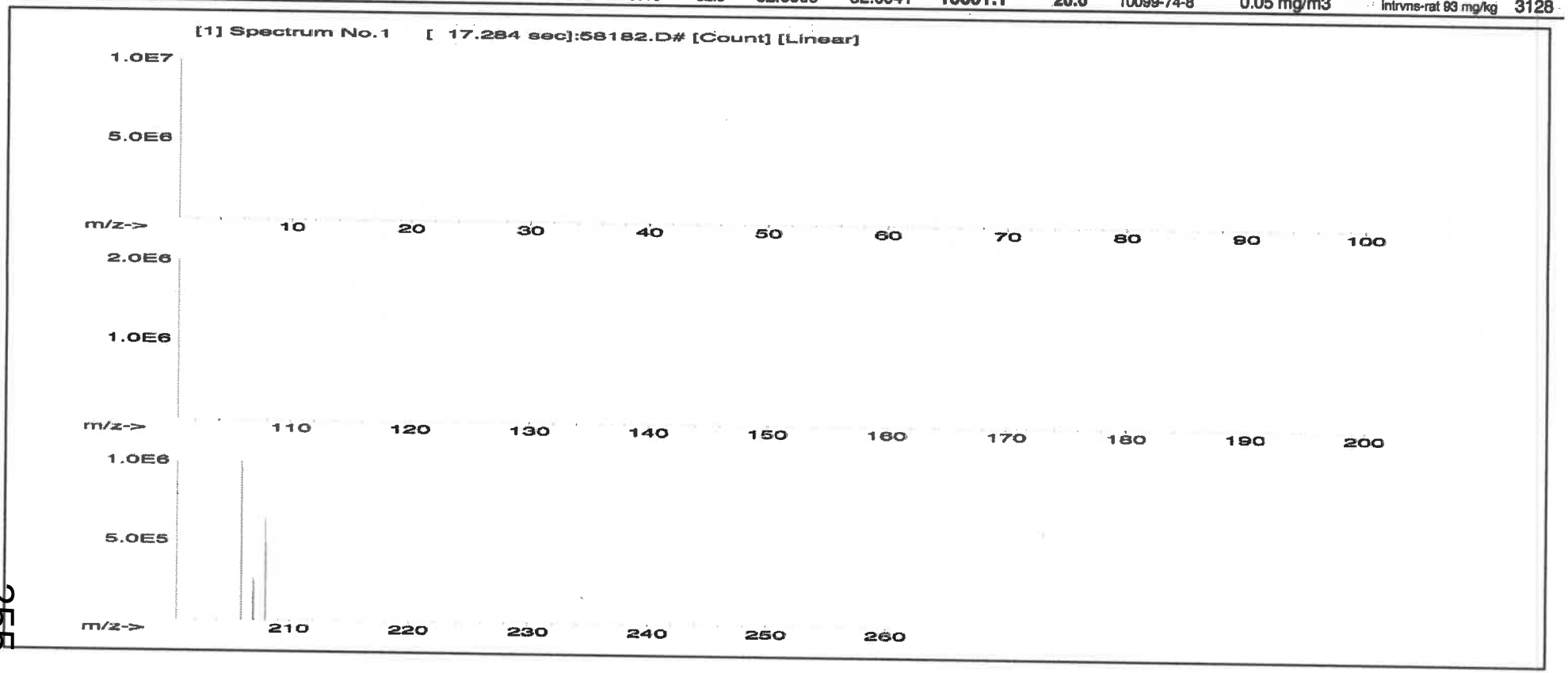
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

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



255

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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Certified Reference Material CRM

MS514 - MS515 R: 03/17/22

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CERTIFIED WEIGHT REPORT:

Part Number: 58126
Lot Number: 092122
Description: Iron (Fe)

Expiration Date: 092125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

Weight shown below was diluted to (mL): 5000.1 ± 0.12 Flask Uncertainty

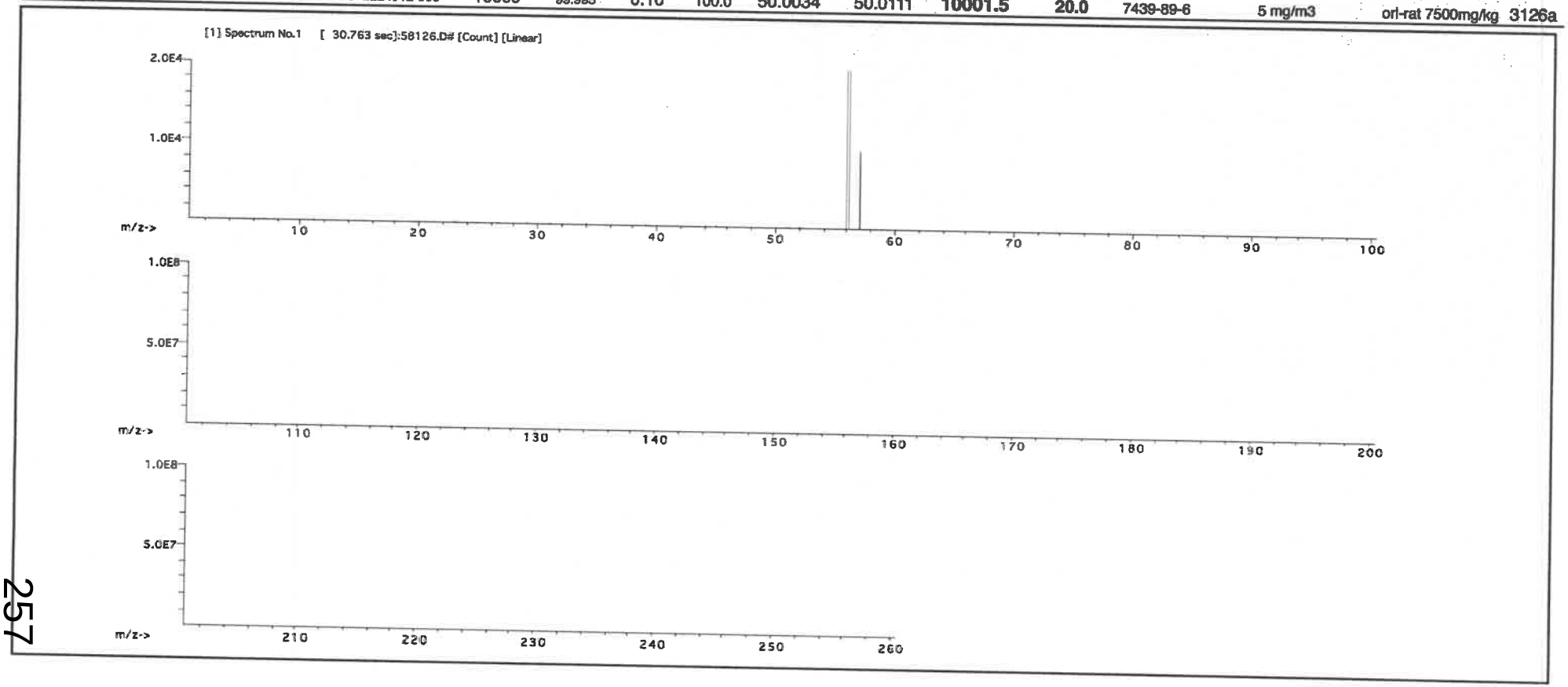
	Lot #		
Solvent:	20510011	Nitric Acid	
7.0%	350.0 (mL)	Nitric Acid	

5E-05 Balance 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



257

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:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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M5519. M5520 (BH) R:03/17/23

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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

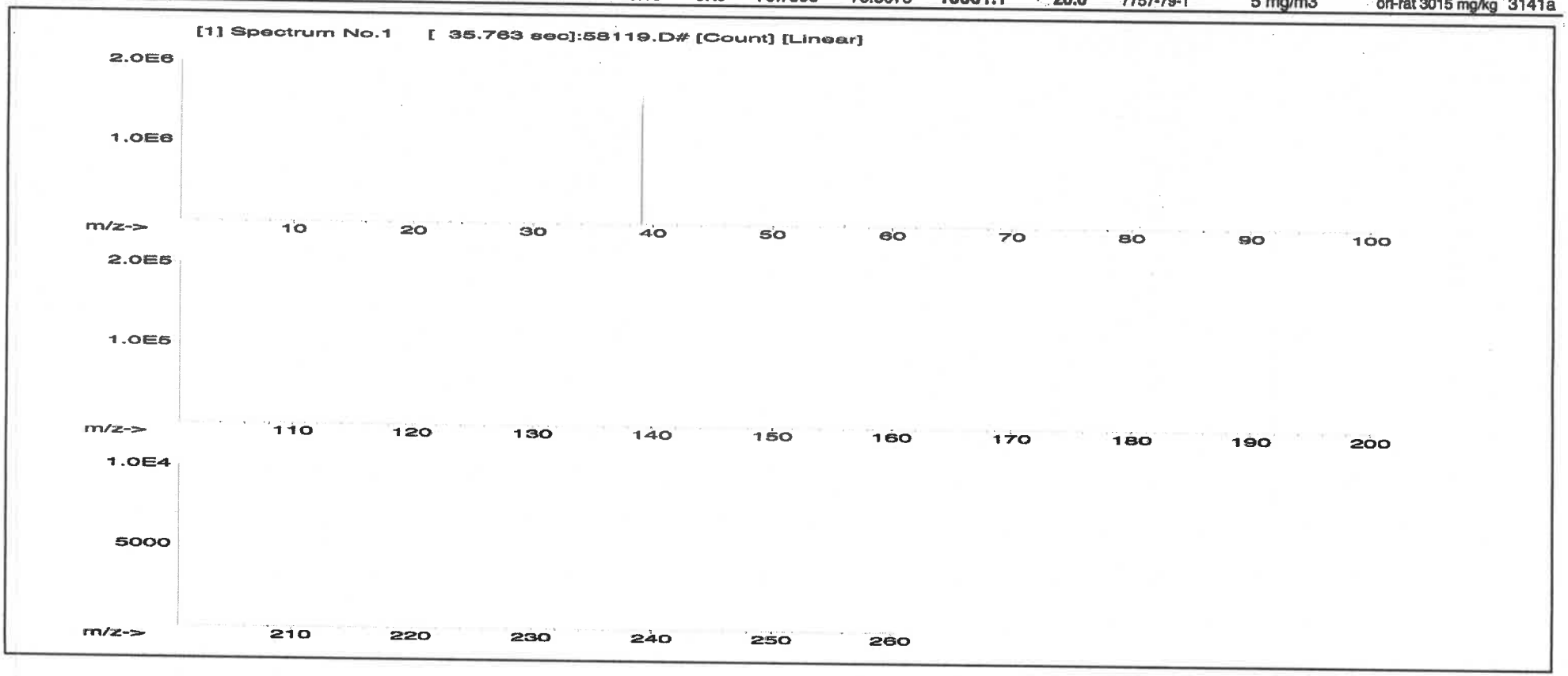
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.06 Flask 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



260

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:

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CORCO CHEMICAL CORPORATION

Manufacturers of ACS Reagents and Semiconductor Grade Chemicals

CERTIFICATE OF ANALYSIS

Date: 8/3/2022 MS631 MS632 MS633 MS634 **Lot No 820803**

Hydrogen Peroxide, ACS
Reagent Grade

TEST	MAXIMUM LIMITS	RESULT
Appearance	Colorless and free from suspended matter or sediment	Pass
Assay	29-32%	31.4%
Color (APHA)	10	5
Residue after Evaporation	0.002%	.0001%
Titratable Acid	0.0006 meq/g	< .0006 meq/g
Chloride (Cl)	2 ppm	< 1 ppm
Nitrate (NO_3)	2 ppm	< 1 ppm
Phosphate	2 ppm	< 1 ppm
Sulfate (SO_4)	5 ppm	< .5 ppm
Ammonium (NH_4)	5 ppm	< 1 ppm
Heavy Metals (as Pb)	1 ppm	< .1 ppm
Iron (Fe)	0.5 ppm	< .1 ppm
Sodium Stannate	200 – 300 ppb	Pass

***Our Hydrogen Peroxide is considered un-stabilized because it is very slightly stabilized with Sodium Stannate, 500 ppb maximum, just for safety purposes.

Date of MFG: 8/2022
Retest date: 8/2024

Gina M. Rambo
Office Manager

CORCO CHEMICAL CORPORATION. 299 CEDAR LANE. FAIRLESS HILLS, PA 19030. 215-295-5006. FAX 215-295-0781

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M5658 R ! 8/25/23

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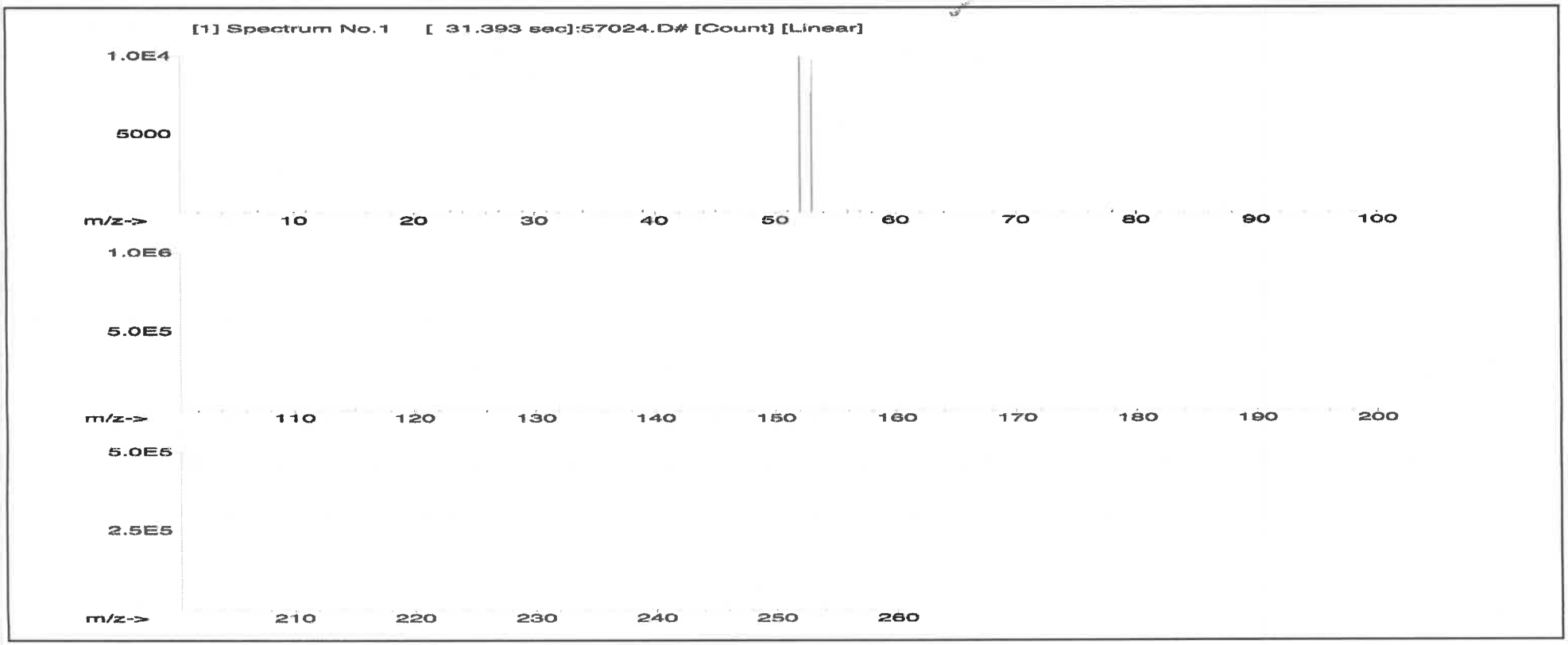
262

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.

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Certified Reference Material CRM

M5697 R: 10/27/23

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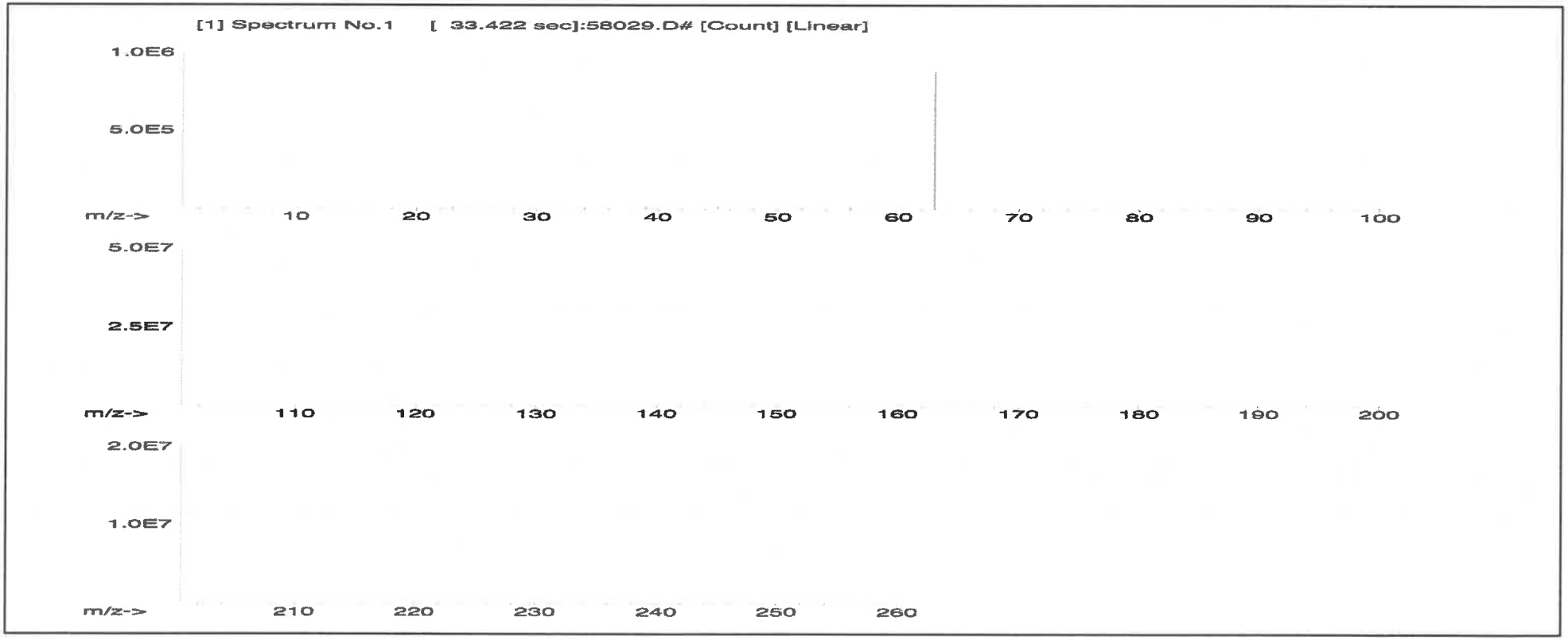
CERTIFIED WEIGHT REPORT:

		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).
* 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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M5648 R: 10/27/23

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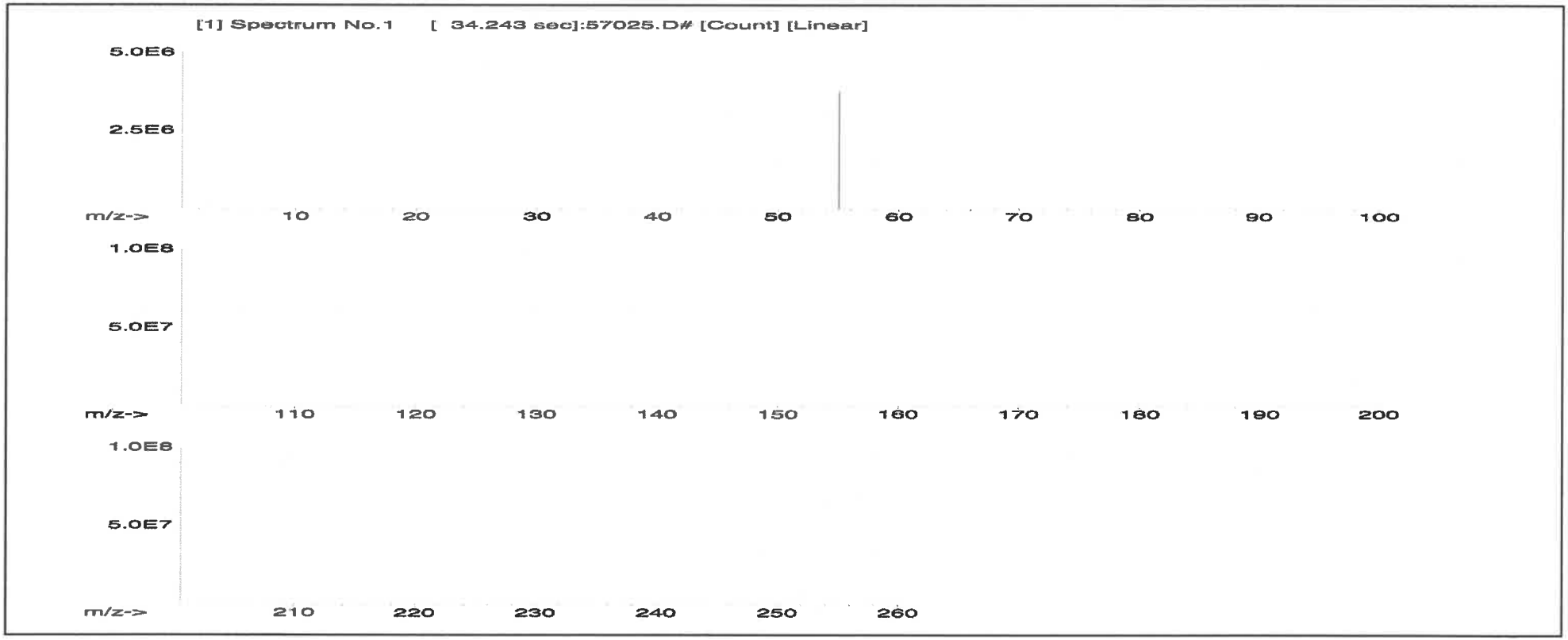
CERTIFIED WEIGHT REPORT:

		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



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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	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:

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 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 WEIGHT REPORT:

Part Number: 57082
Lot Number: 100923
Description: Lead (Pb)

Expiration Date: 100926
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

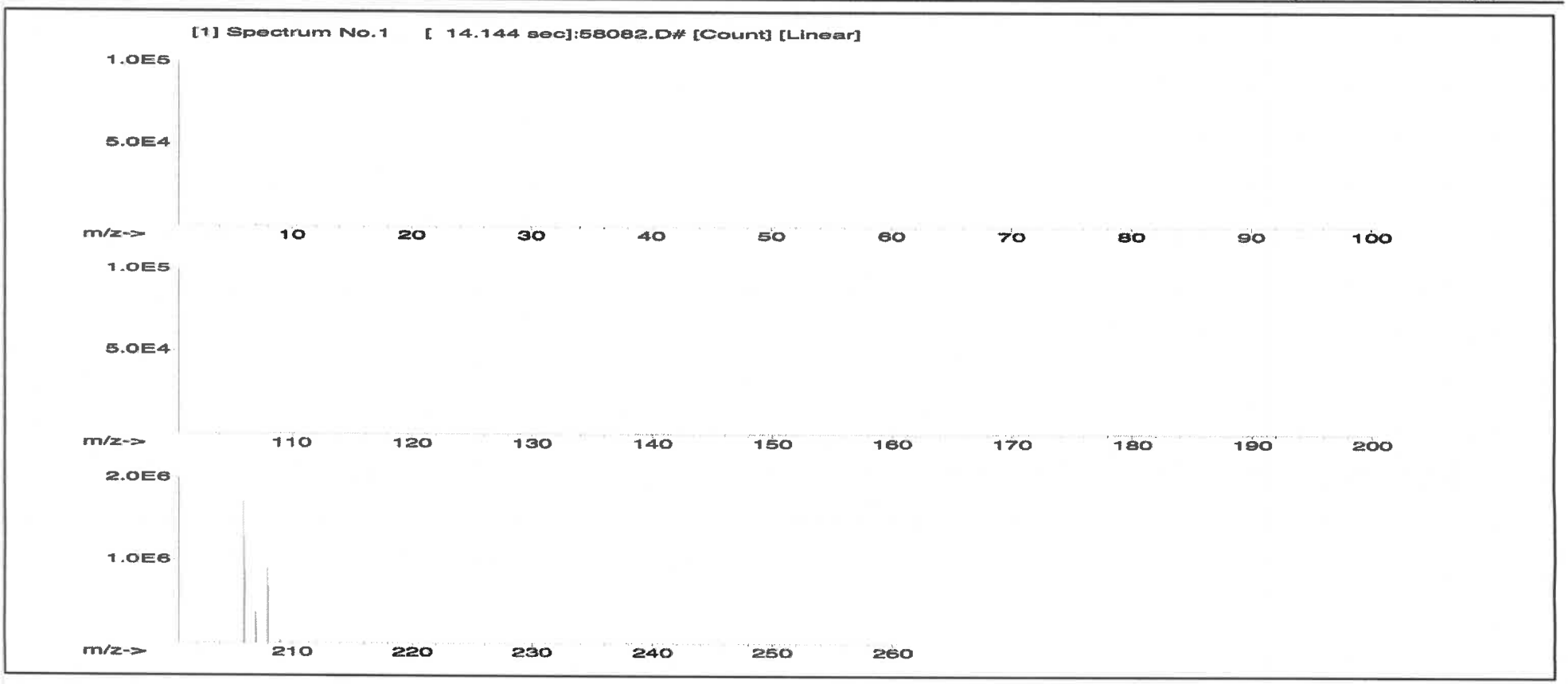
Weight shown below was diluted to (mL): 3000.41 0.06 Flask Uncertainty

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Formulated By:	Lawrence Barry	100923
Reviewed By:	Pedro L. Rentas	100923

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	1000	99.999	0.10	62.5	4.80071	4.80077	**1000.0**	**2.0**	10099-74-8	0.05 mg/m3	intrvns-rat 93 mg/kg	3128



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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* 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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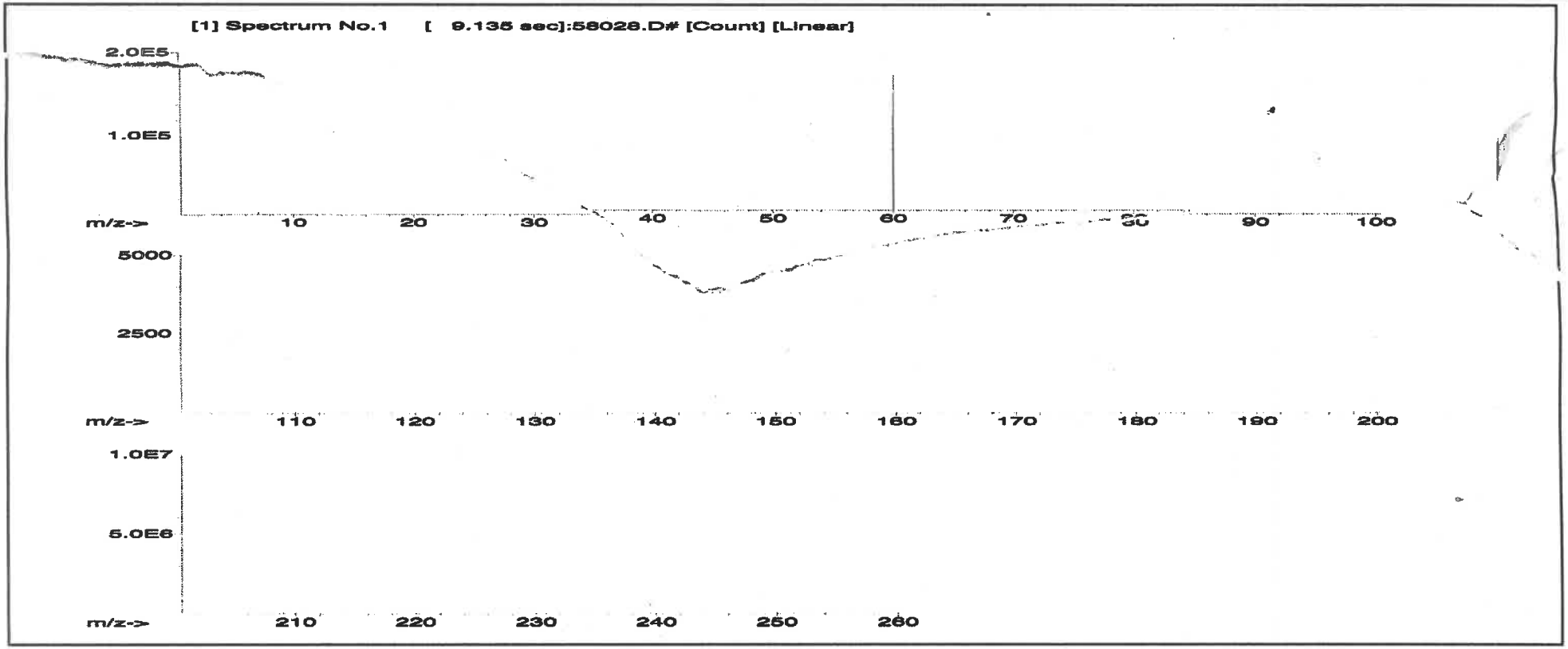
CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57028**	24002546	Nitric Acid	
Lot Number:	**091223**			
Description:	**Nickel (Ni)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	091226			
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	091223
Reviewed By:	Pedro L. Rentas	091223

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. Nickel(II) nitrate hexahydrate (Ni)	58128	062023	0.1000	200.0	0.084	1000	10000.4	**1000.0**	**2.2**	13478-00-7	1 mg/m3	orl-rat 1620 mg/kg	3136



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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	<0.02	Ni	T	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.

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M5768 M5769 (BP) R:1/3/24

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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	

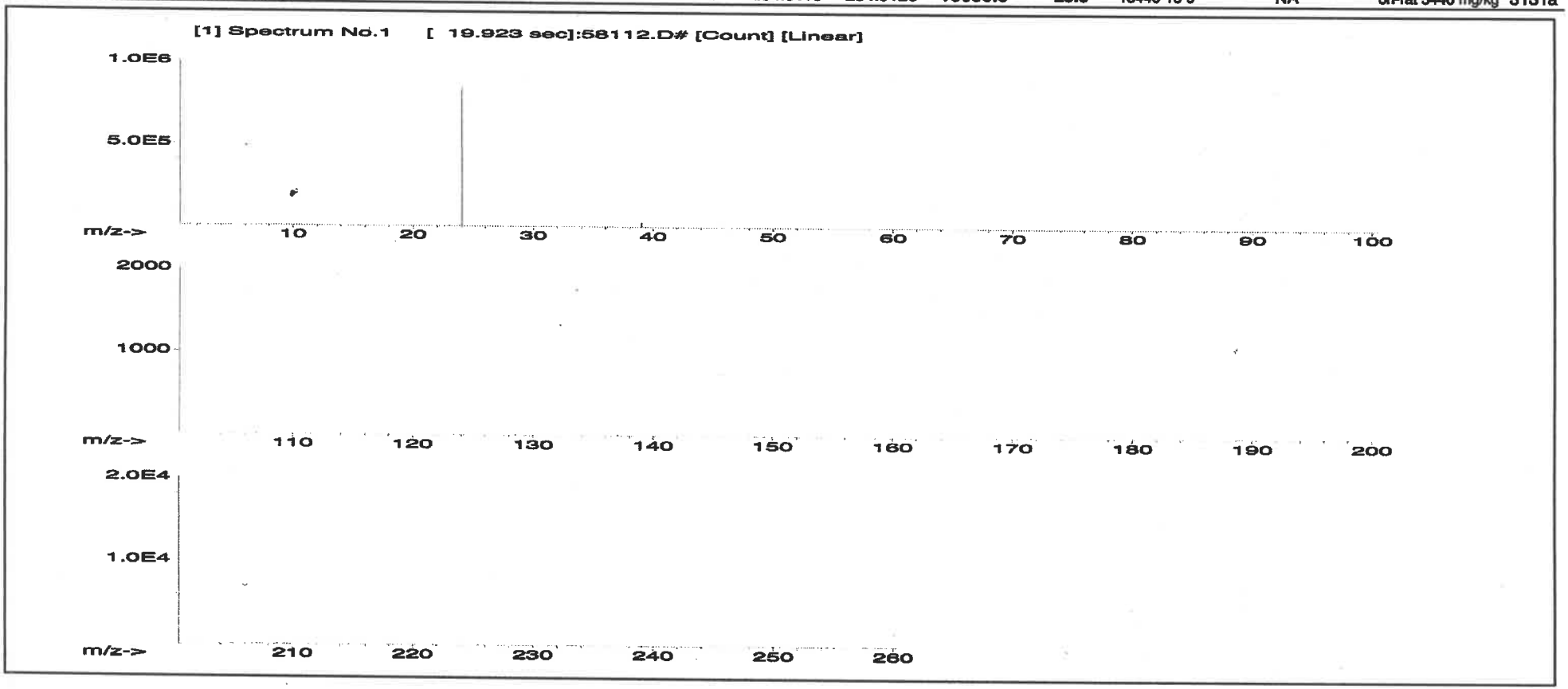
5E-05 Balance Uncertainty

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	orl-rat 5440 mg/kg	3131a



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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	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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R: 02/09/24 M5798

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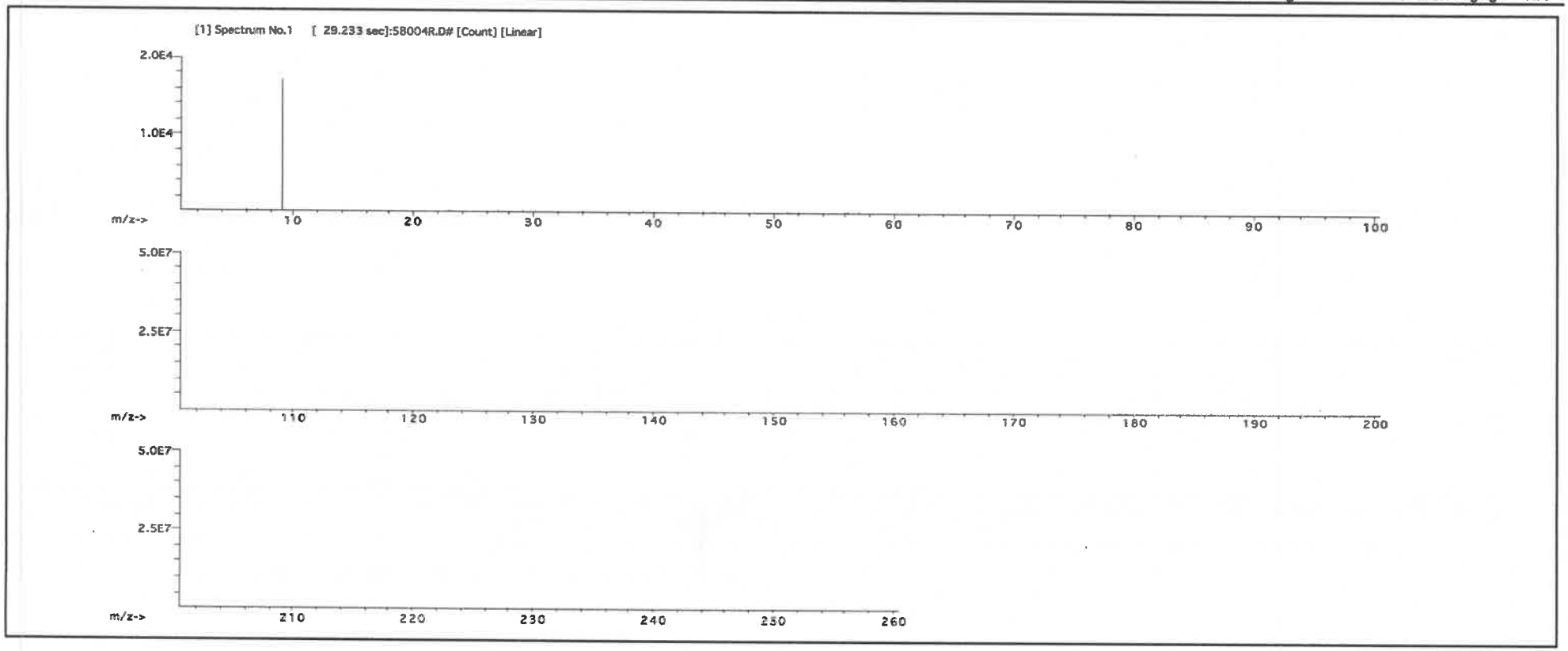
CERTIFIED WEIGHT REPORT:

		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.

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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: 57050
Lot Number: 071123
Description: Tin (Sn)

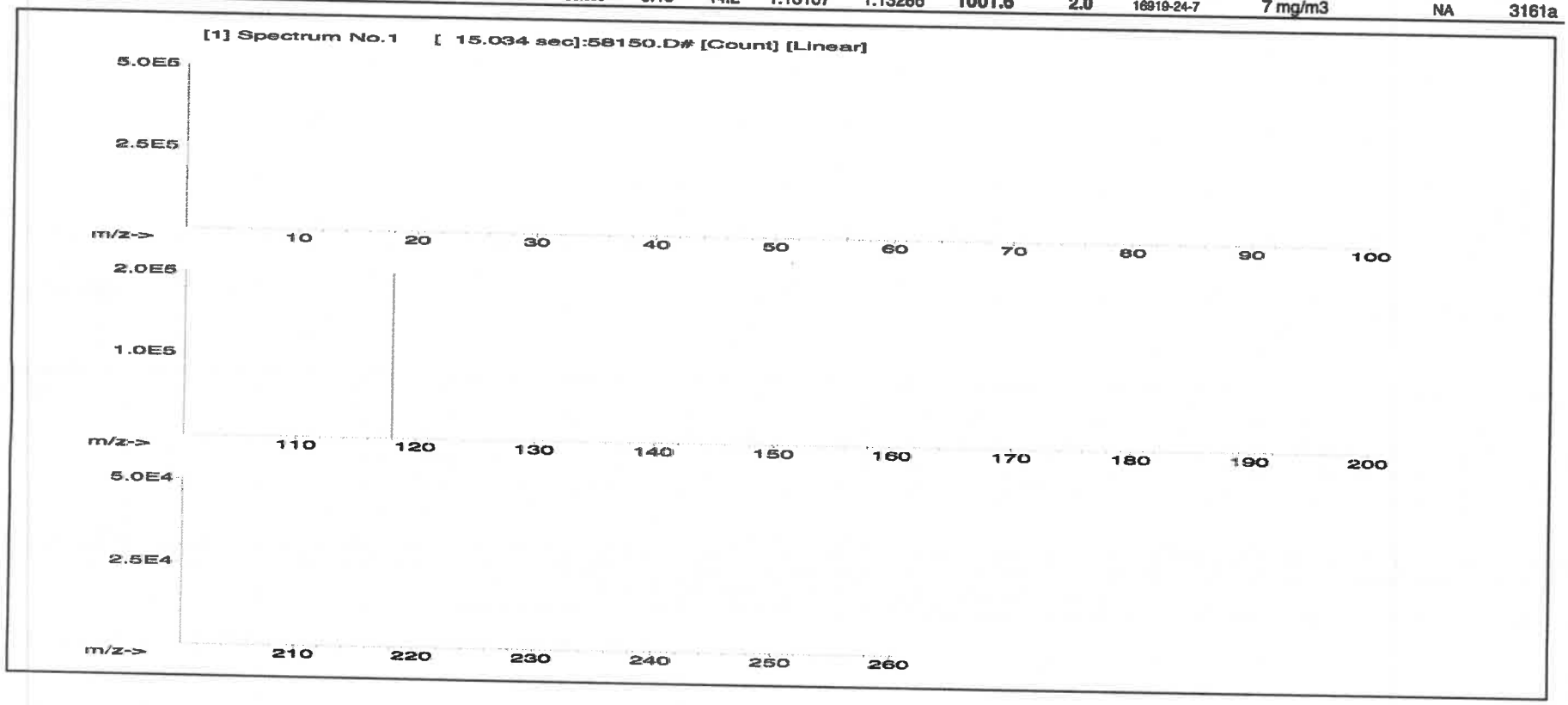
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93

Solvents:	Lot #	
	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



277

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.
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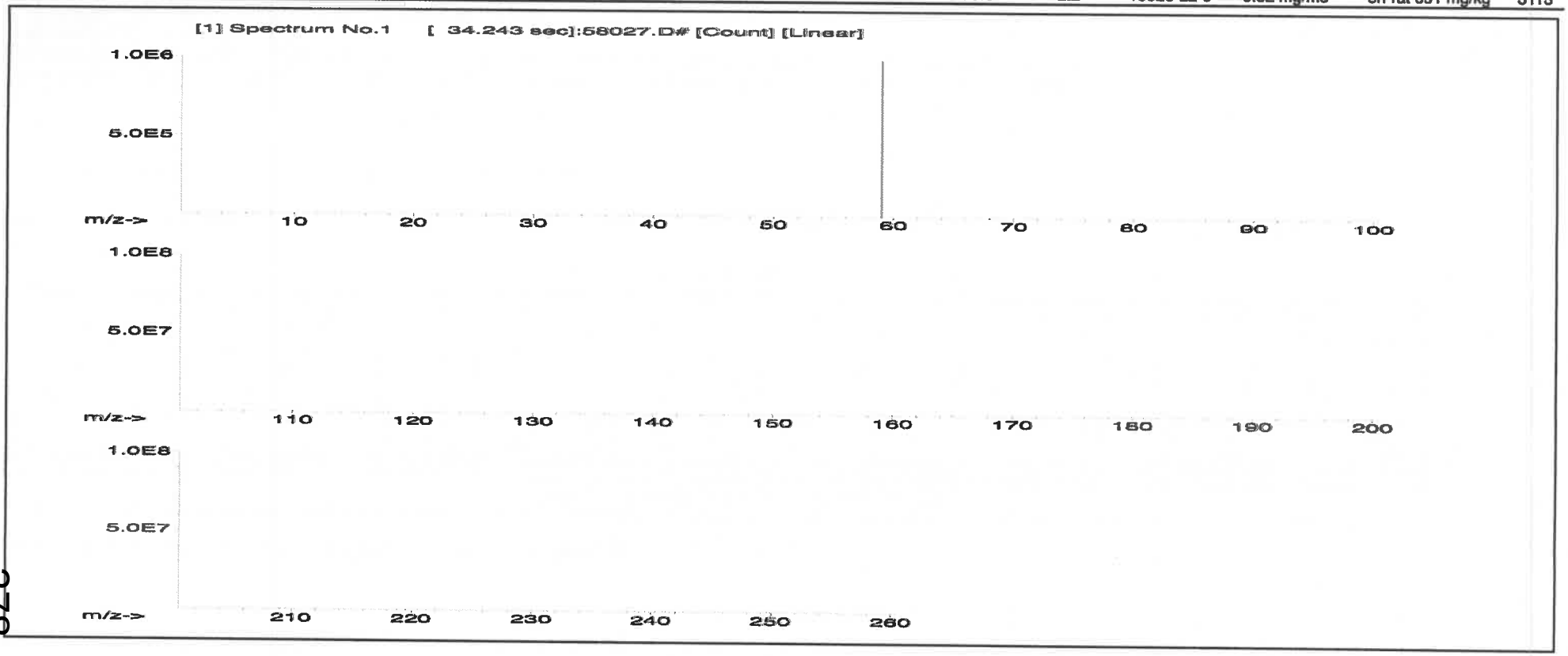
CERTIFIED WEIGHT REPORT:

		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



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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	<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.

* 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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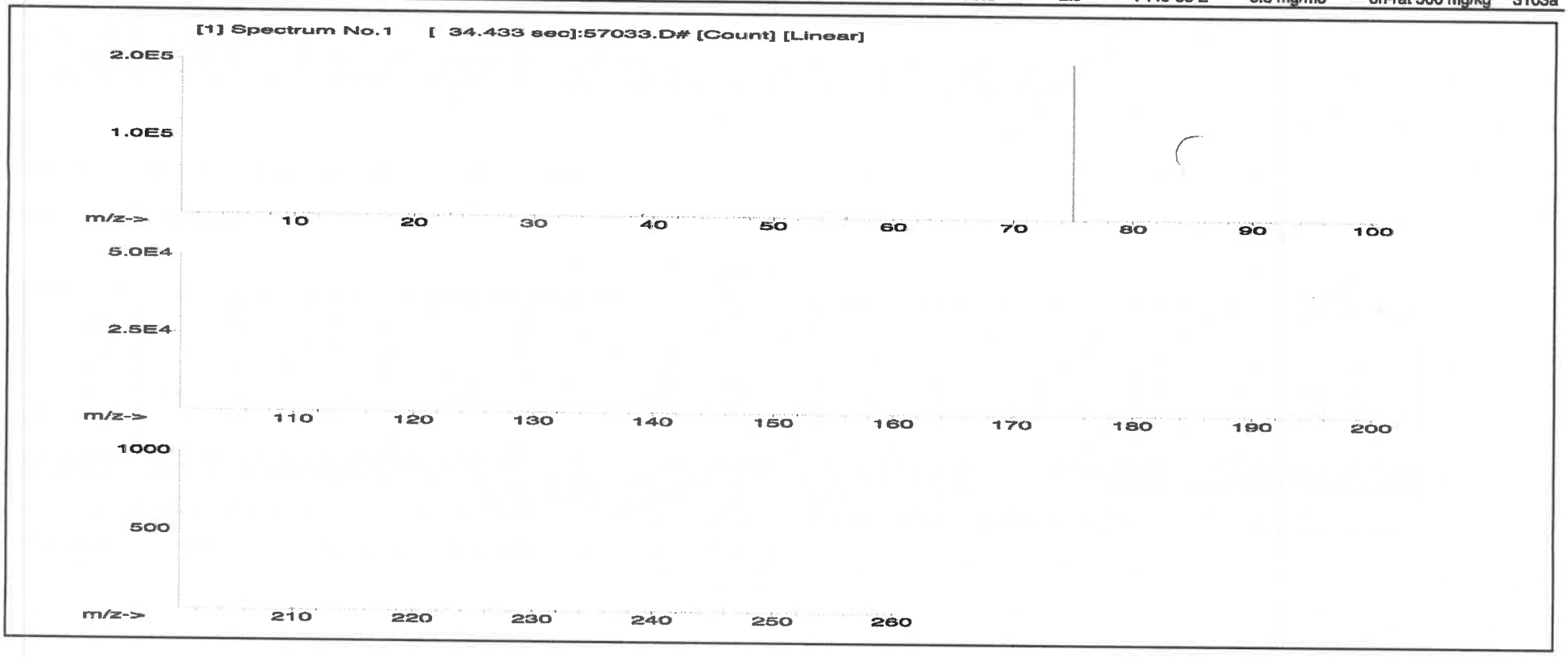
CERTIFIED **WEIGHT** REPORT:

		Lot #	Solvent:		
Part Number:	**57033**	24002546	Nitric Acid		
Lot Number:	**111323**				
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



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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	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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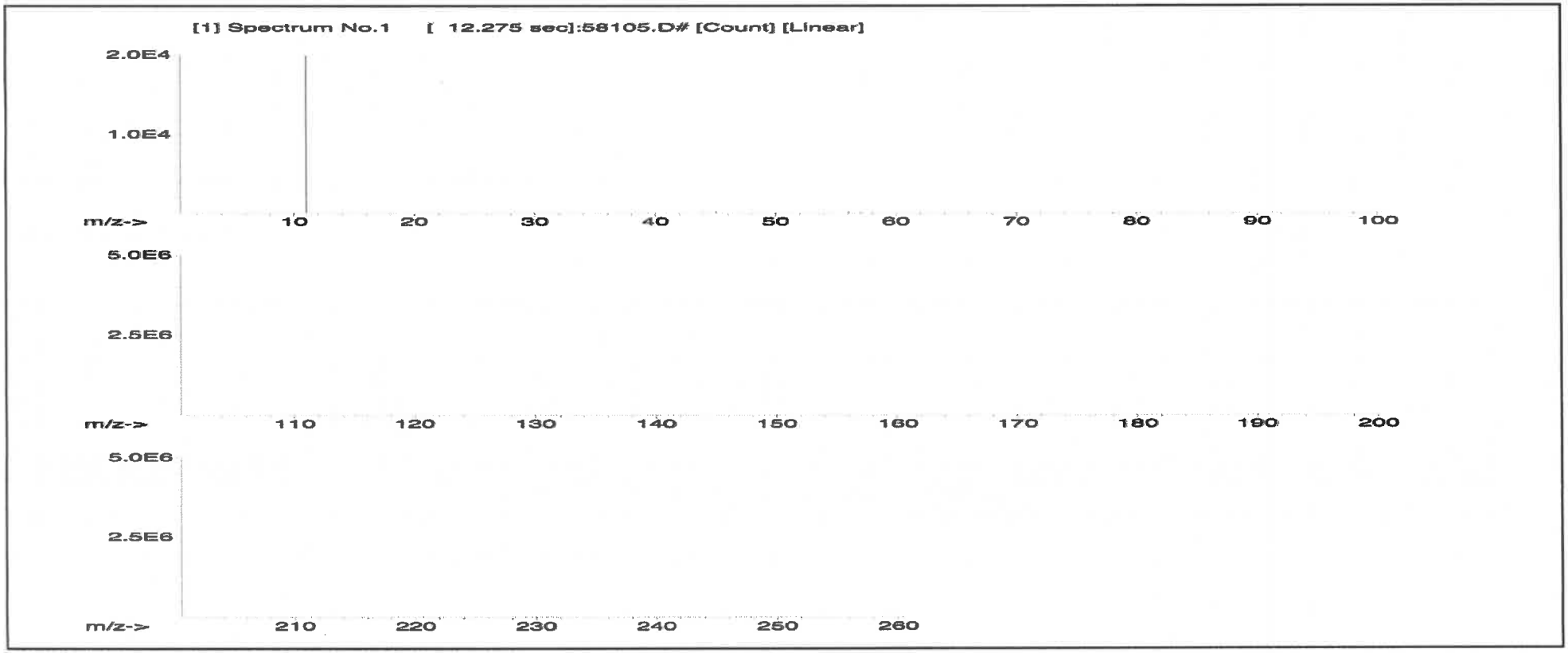
CERTIFIED WEIGHT REPORT:

Part Number:	**57005**		**Lot #**		
Lot Number:	**071123**	**Solvent:**	MKBQ8597V	Ammonium hydroxide	
Description:	**Boron (B)**		2.0%	40.0 (mL)	Ammonium hydroxide
Expiration Date:	071126				
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):	1999.48	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. Boric acid (B)	IN018	BV092016A1	1000	99.9999	0.10	17.3	11.55772	11.56201	**1000.4**	**2.0**	10043-35-3	2 mg/m3	orl-rat 2660 mg/kg	3107



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	<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	T	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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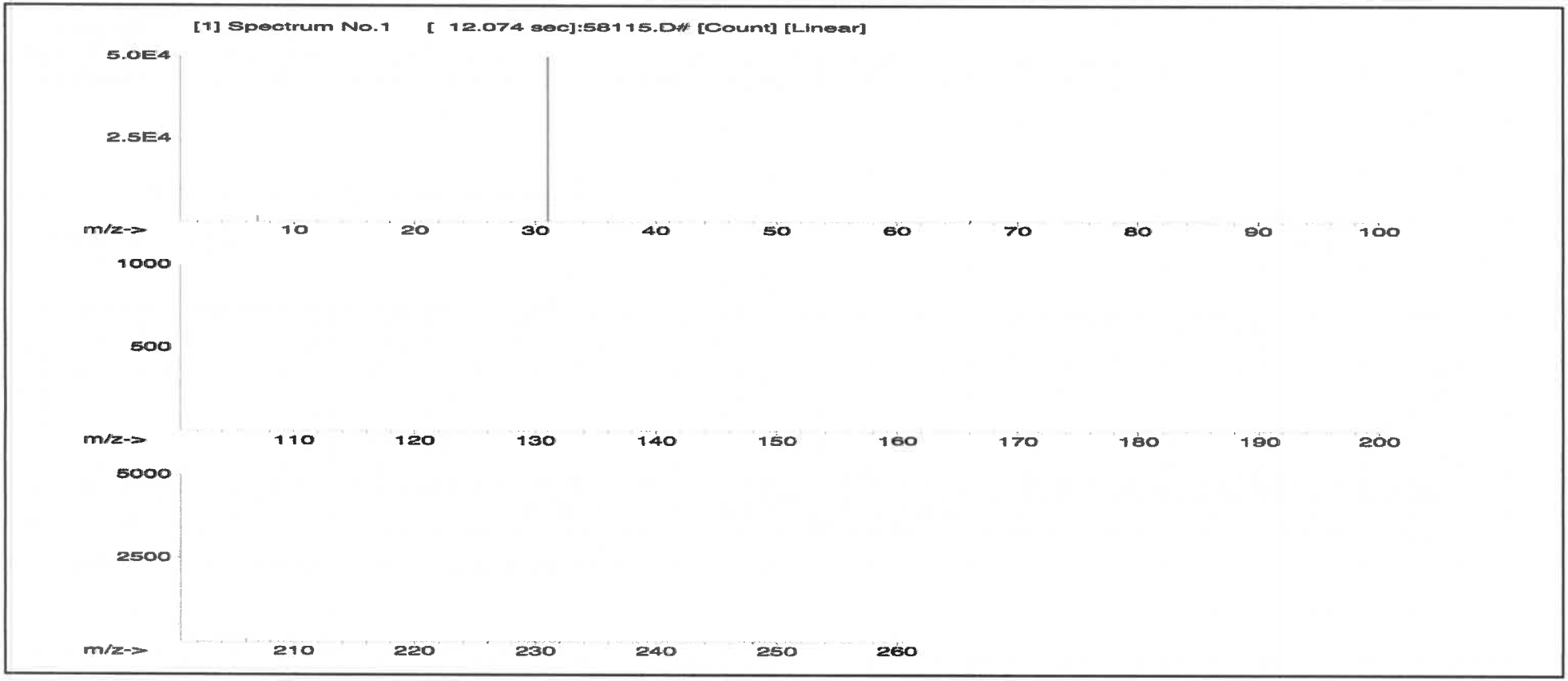
CERTIFIED WEIGHT REPORT:

			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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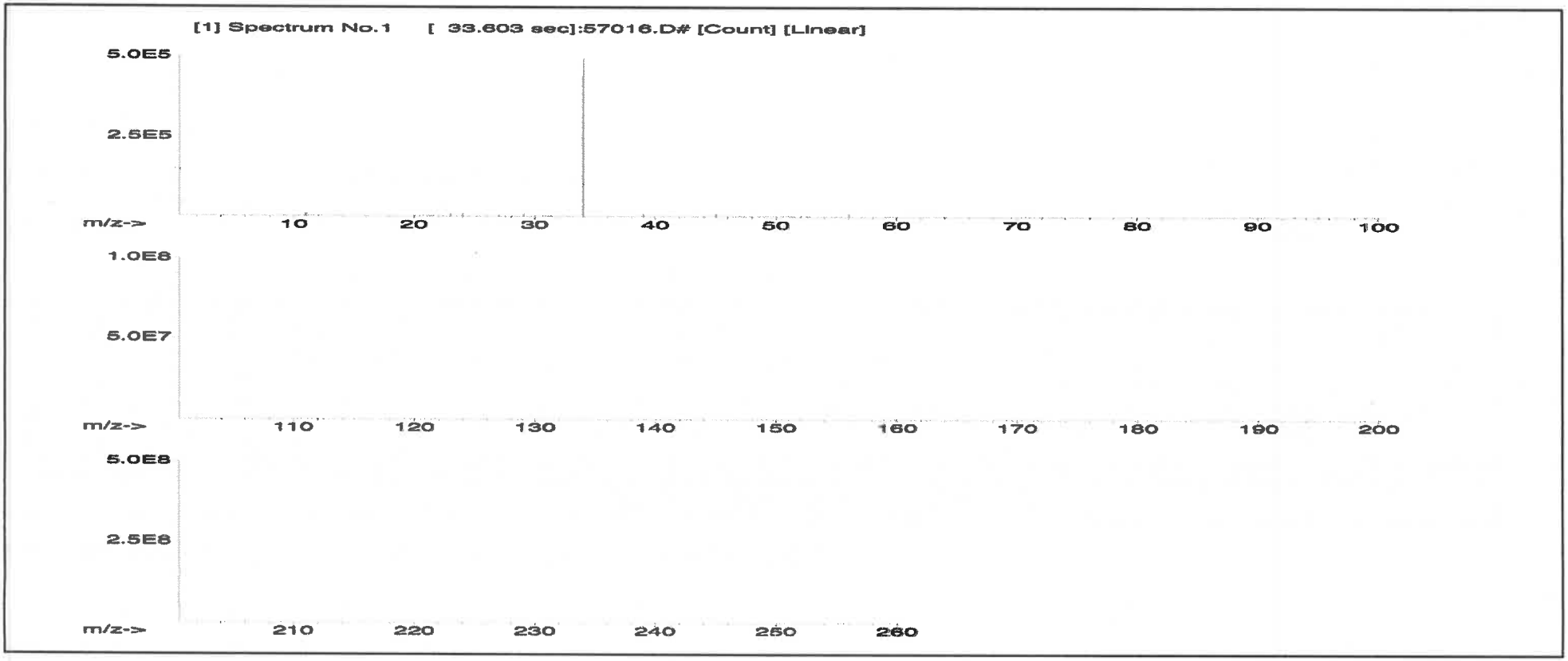
CERTIFIED WEIGHT REPORT:

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



287

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 WEIGHT REPORT:

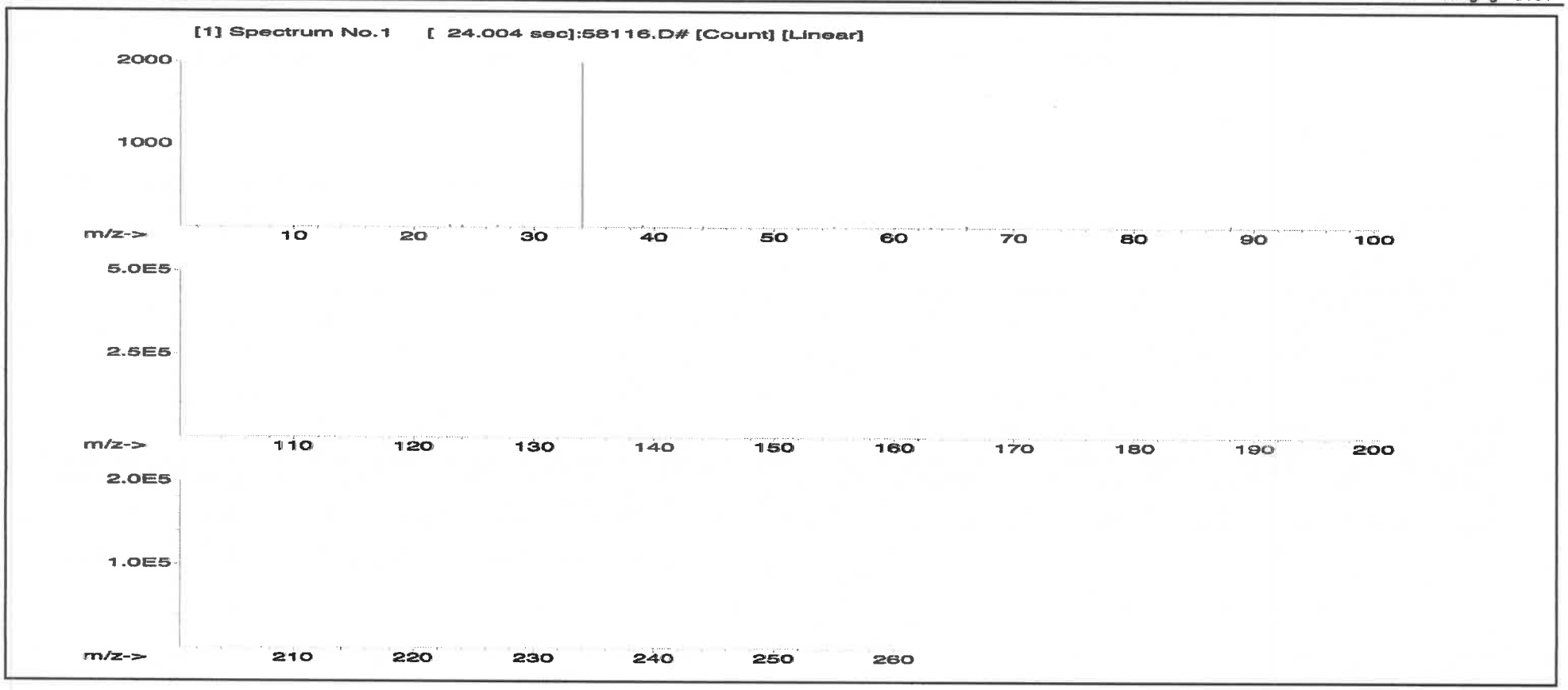
Part Number: 57116
Lot Number: 071123
Description: Sulfur (S)

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



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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* 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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Lot #

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290

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

Solvent: 24002546 Nitric Acid

2% 40.0 (mL) Nitric Acid

5E-05 Balance Uncertainty

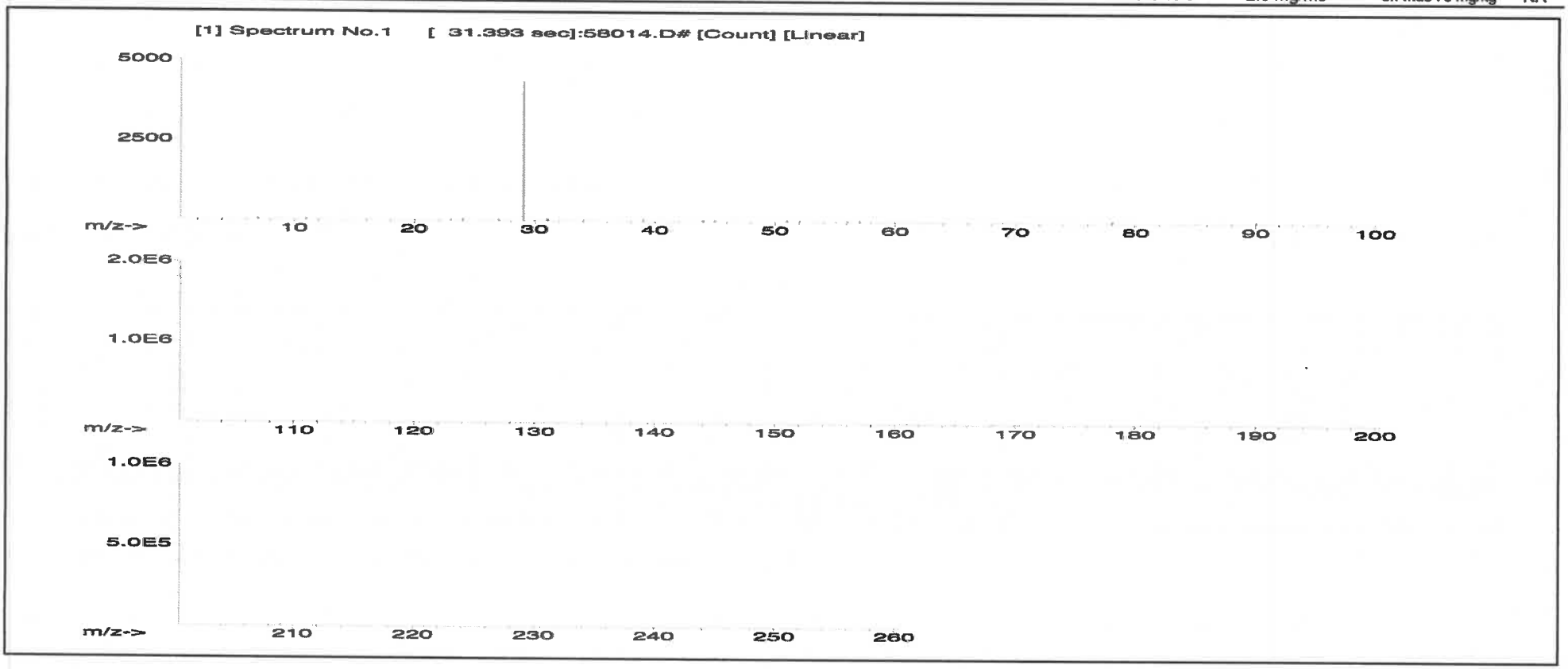
Aleah O'Brady

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



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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	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:

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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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292

CERTIFIED WEIGHT REPORT:

Part Number: 58030
Lot Number: 111623
Description: Zinc (Zn)

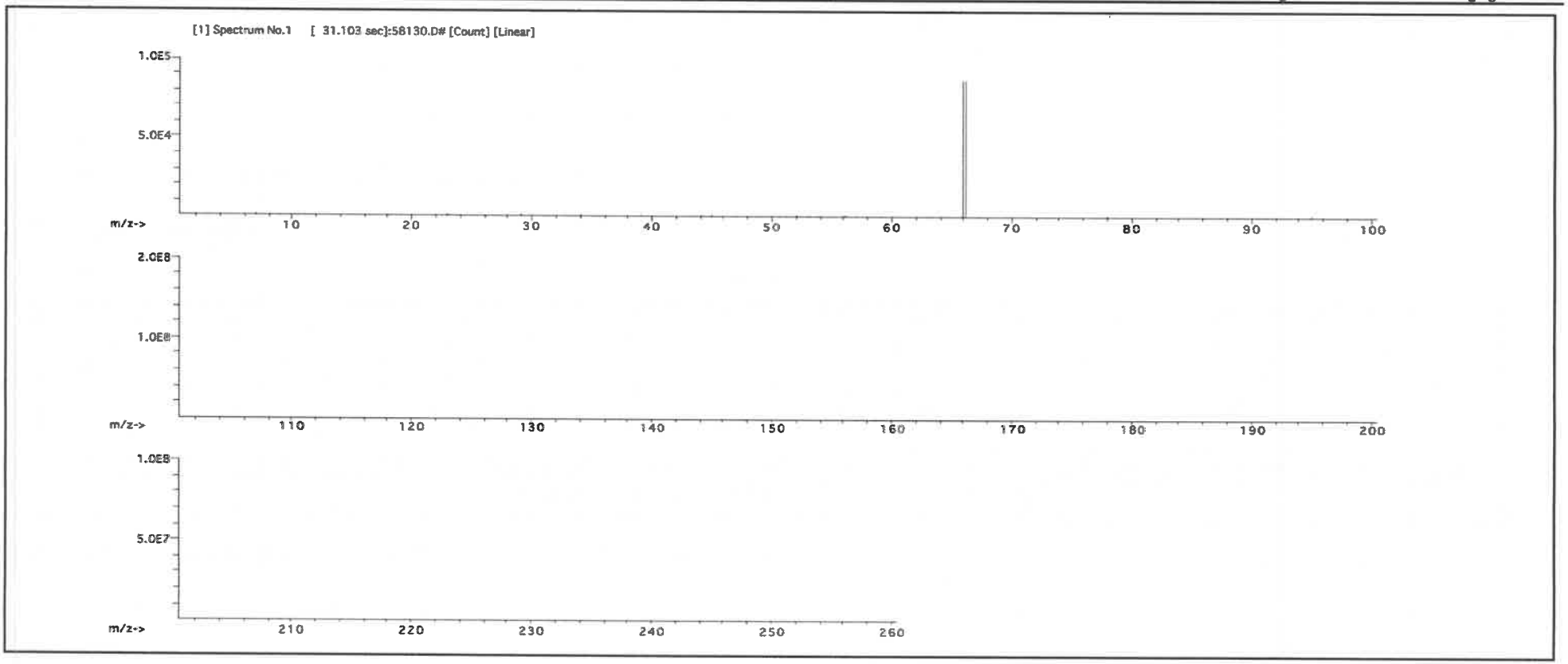
Expiration Date: 111626
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

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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* 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).

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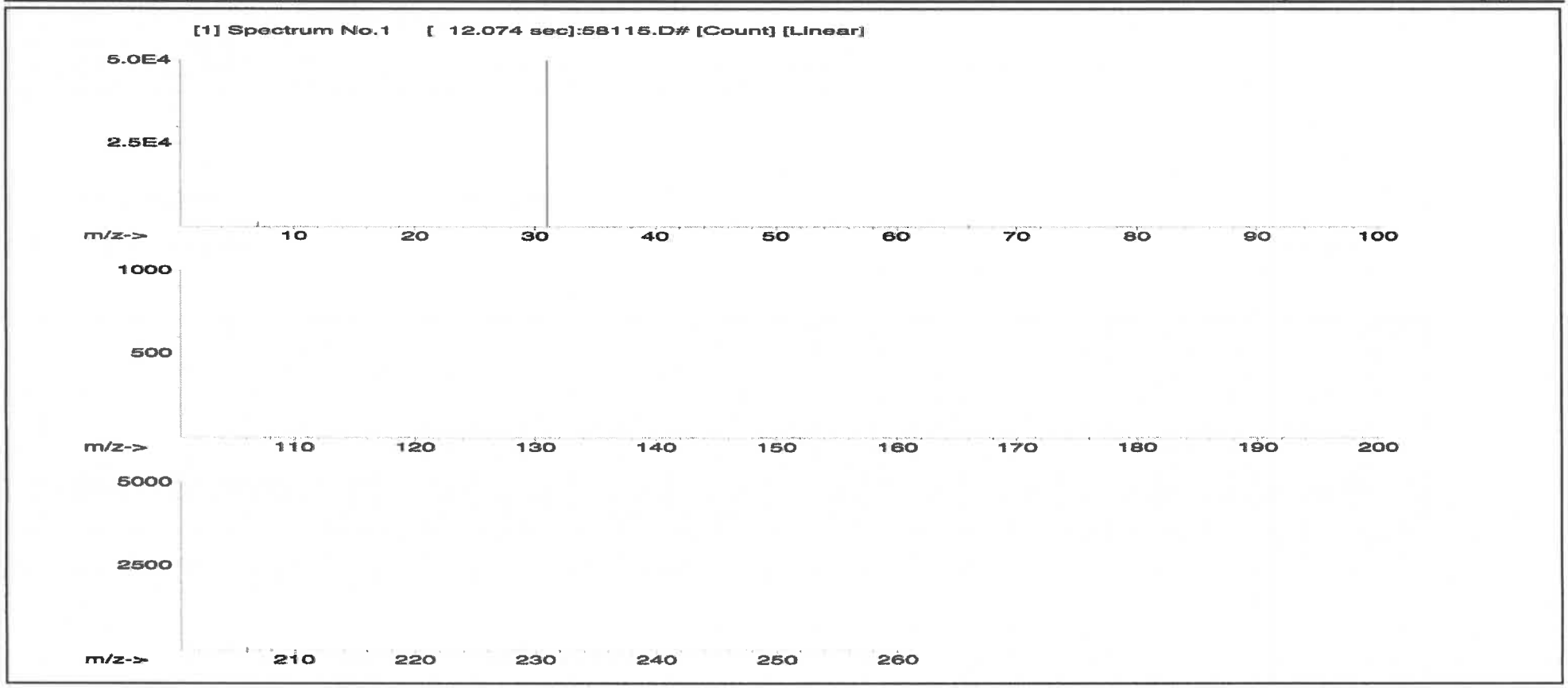
294

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



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

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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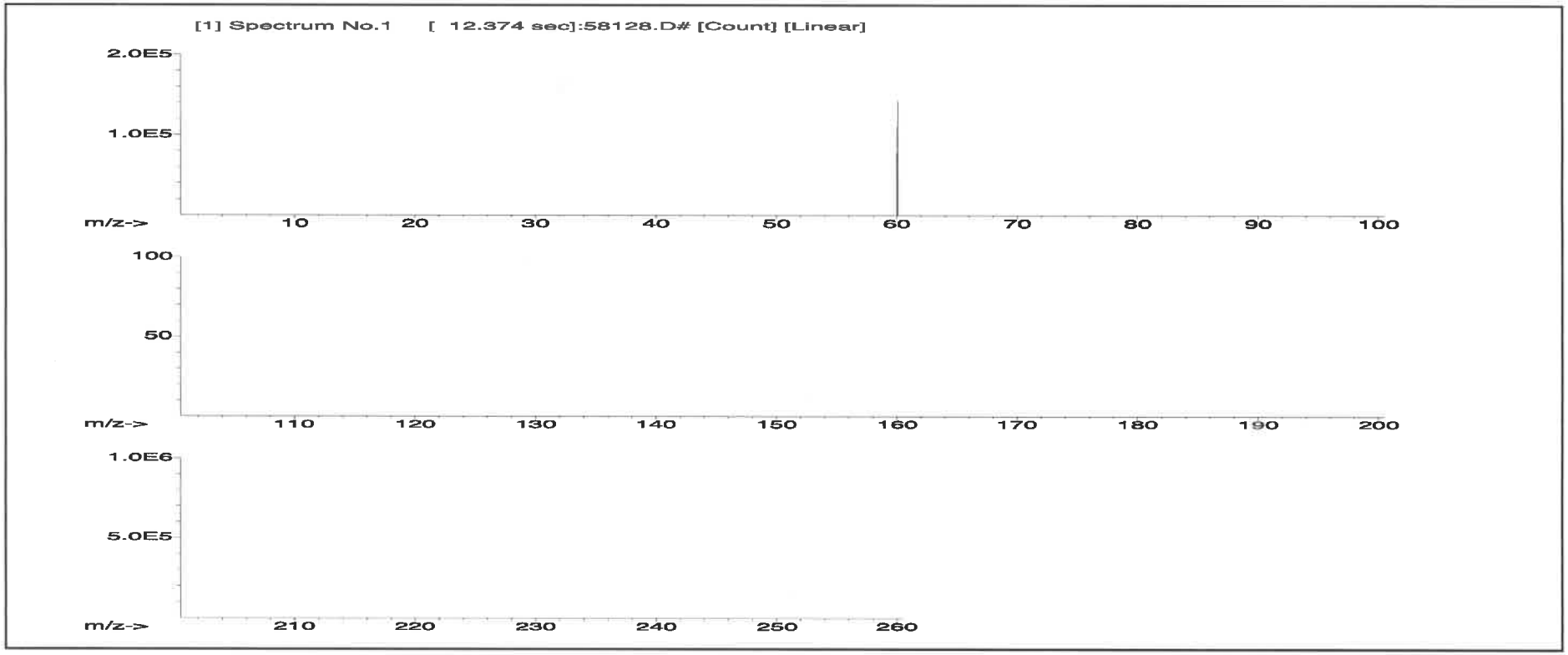
CERTIFIED WEIGHT REPORT:

			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



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	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.

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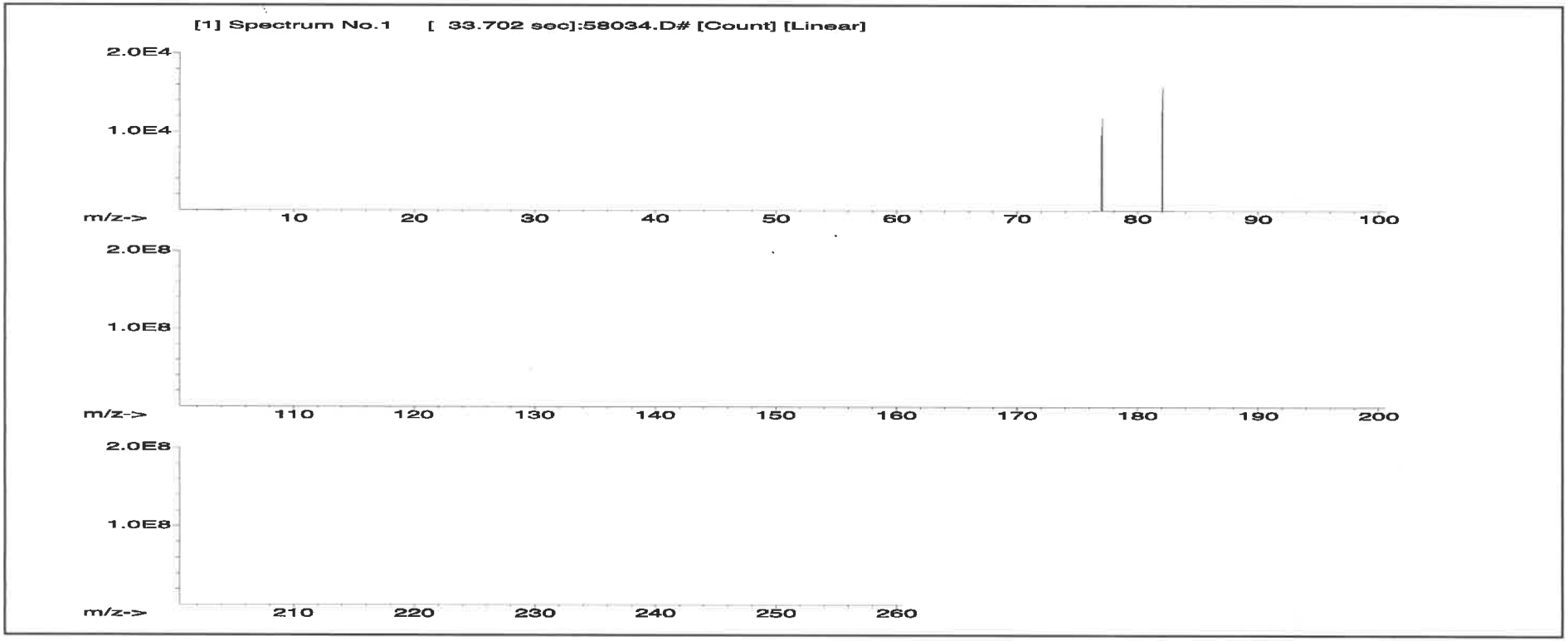
CERTIFIED WEIGHT REPORT:

		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



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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	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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5970, M5971 R: 7/01/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

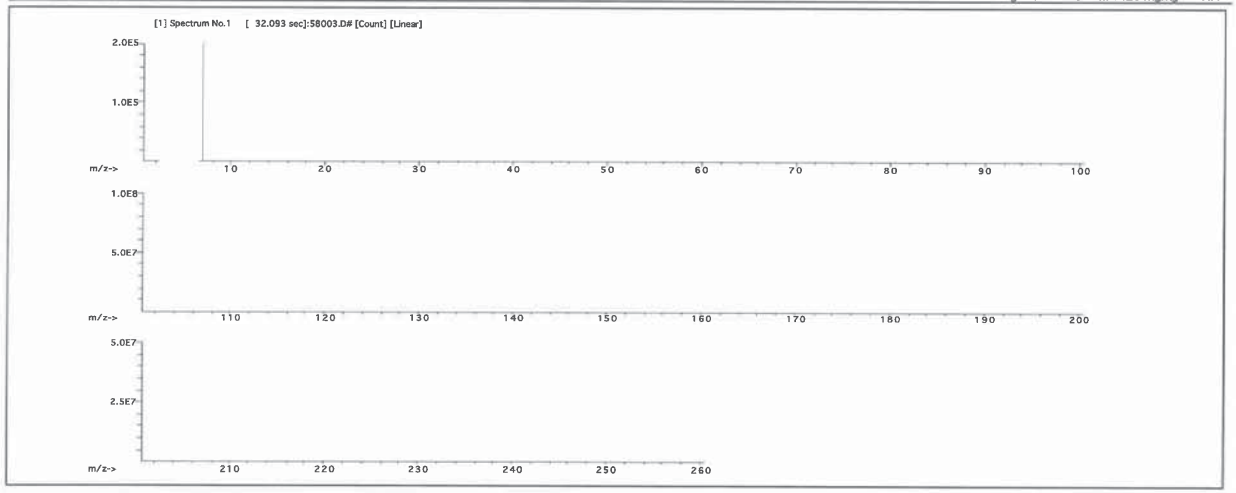
		Lot #	Solvent:	
Part Number:	**57003**	24002546	Nitric Acid	
Lot Number:	**062124**			
Description:	**Lithium (Li)**			
		2.0%	5.0 (mL)	Nitric Acid
Expiration Date:	062127			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	250.11	0.016	Flask Uncertainty	

Giovanni Esposito

Formulated By: Giovanni Esposito 062124

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



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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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

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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:	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

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

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

M5978, M5979

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300 Technology Drive
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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:	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:

$X_{CRM/RM} = \Sigma(w_i)(\bar{x}_i)$

$\bar{x}_i$ = 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:

$X_{CRM/RM} = (\bar{x}_a)\,(u_{char\ a})$

$\bar{x}_a$ = 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

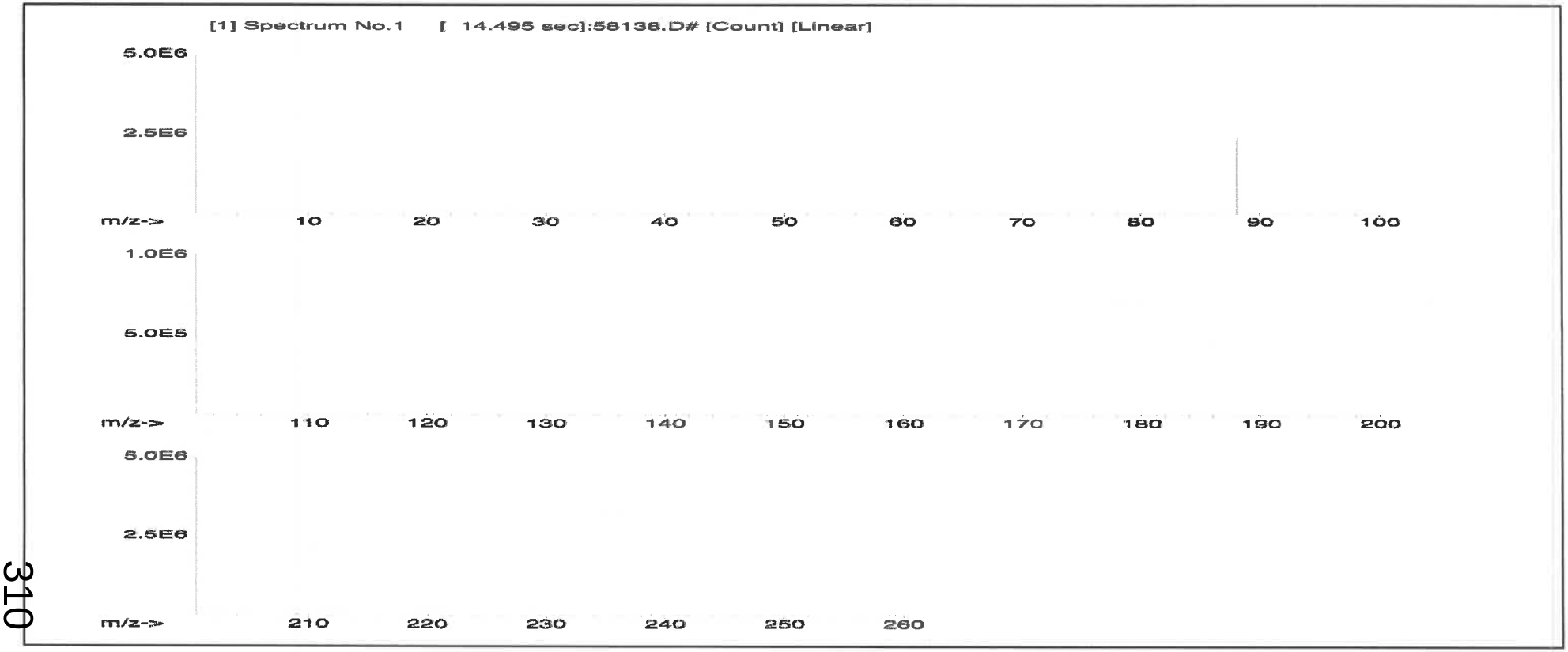
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number:	**57038**		**Lot #**		
Lot Number:	**031524**	**Solvent:**	24002546	Nitric Acid	
Description:	**Strontium (Sr)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	031527				
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		

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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Certificate of Analysis

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R:6/14/24

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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:	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.

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	<	0.004600	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

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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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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

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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		

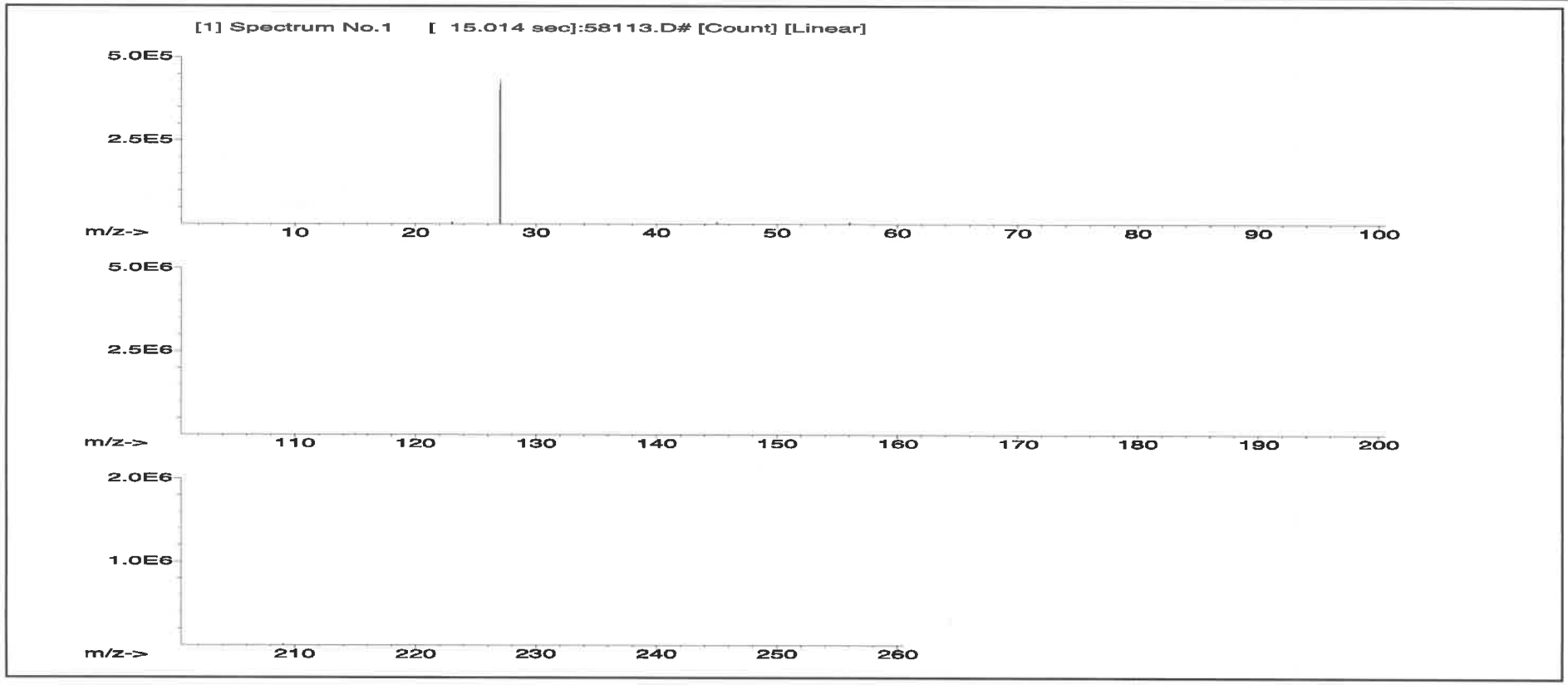
Giovanni Esposito

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



Nitric Acid 69%
CMOS

Recv date: 1. 1. – 08/01/2023

M6034, M6037
M6035, M6038,
M6036,

avantor™ | J.T.Baker®

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

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Received — 08/01/2024
paper
M6039
M6040

Material No.: 9530-33
Batch No.: 24D1562005
Manufactured Date: 2024-03-18
Retest Date: 2029-03-17
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	1.192
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	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities - Barium (Ba)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 20.0 ppb	2.2 ppb
Trace Impurities - Cadmium (Cd)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	31.0 ppb
Trace Impurities - Chromium (Cr)	≤ 1.0 ppb	0.5 ppb
Trace Impurities - Cobalt (Co)	≤ 1.0 ppb	0.2 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	3 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.: 24D1562005

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.2 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	0.2 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 1.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.0 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	< 0.4 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	< 0.2 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.: 24D1562005

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

Jamie Croak
Director Quality Operations, Bioscience Production

Nitric Acid 69%
CMOS

M6096
M6097
M6098
M6099
M6100

Mtd 9/21/24

avantor™ | J.T.Baker®

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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 01/03/24 M5806, M5807

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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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	

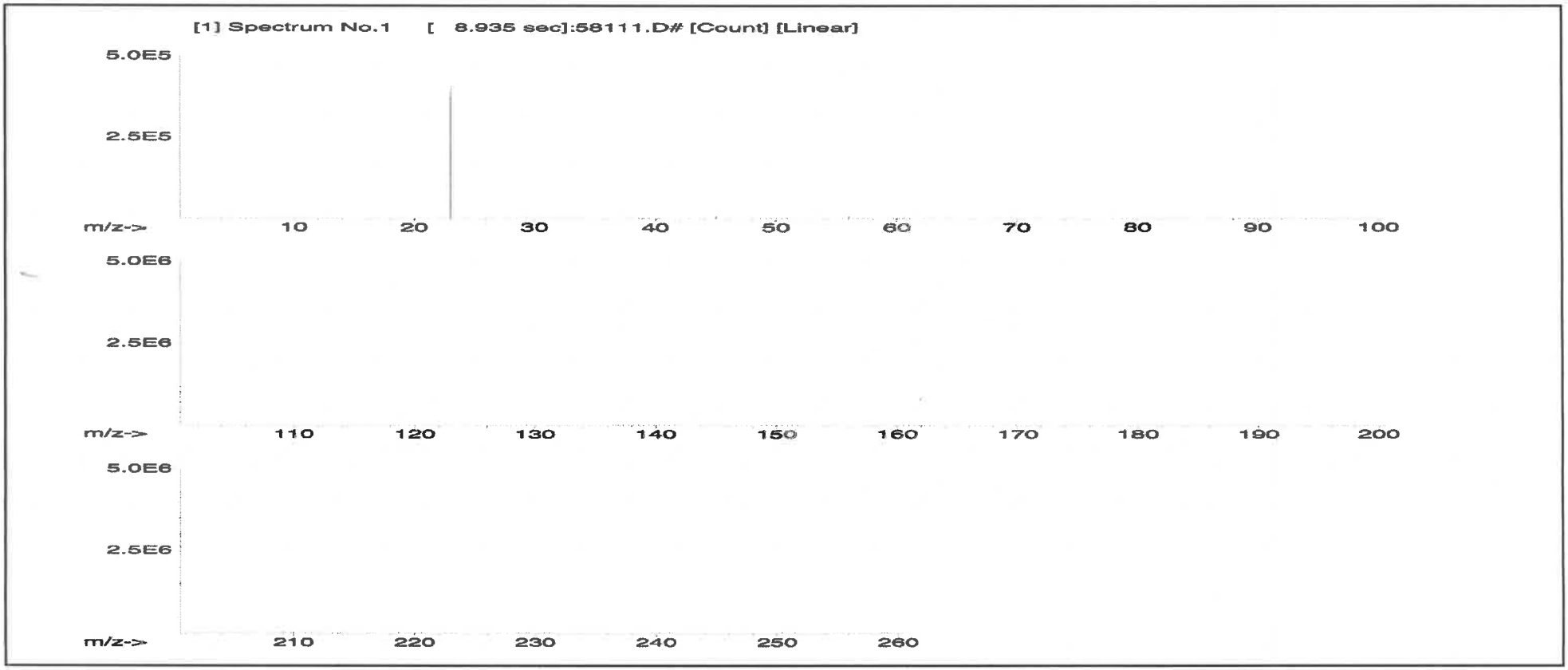
Aleah O'Brady

Formulated By:	Aleah O'Brady	122223

Pedro Rentas

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



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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	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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

R: 01/03/24 M5802, M5803

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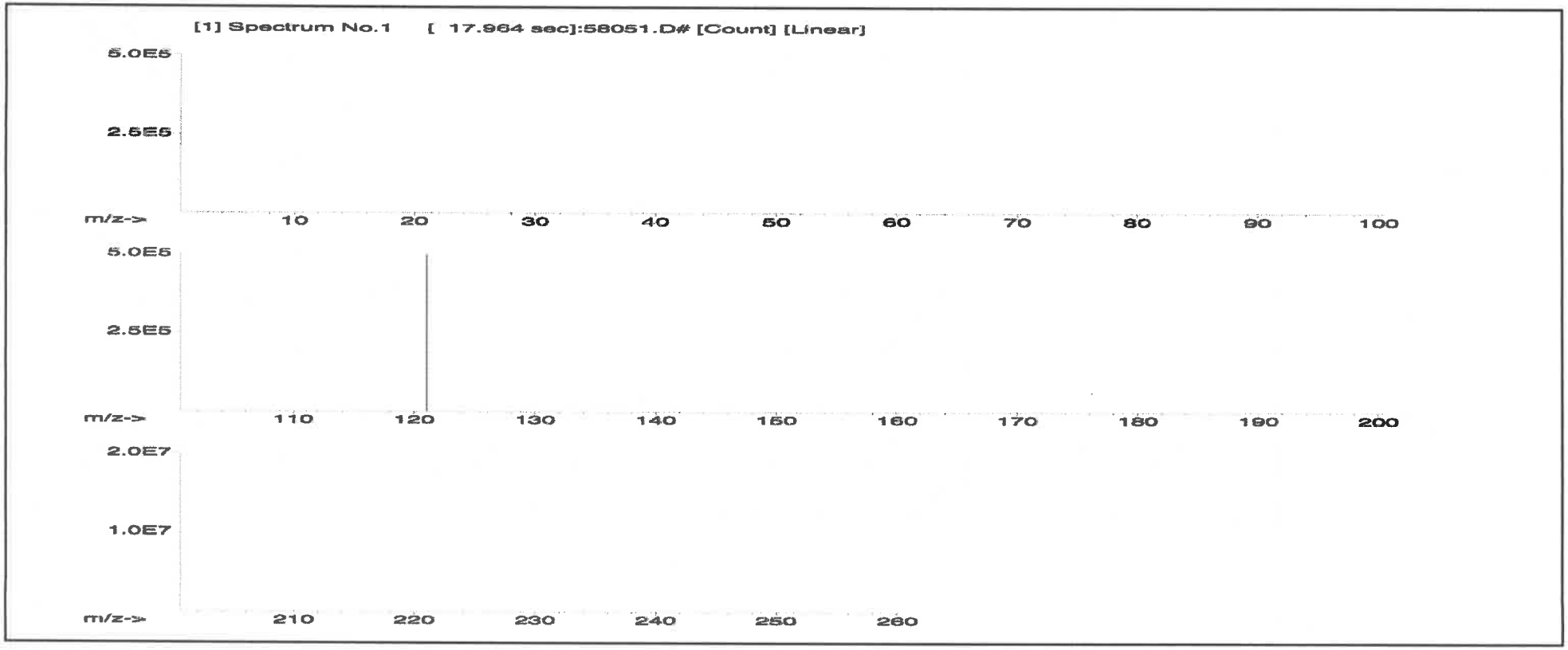
CERTIFIED WEIGHT REPORT:

		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



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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	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:

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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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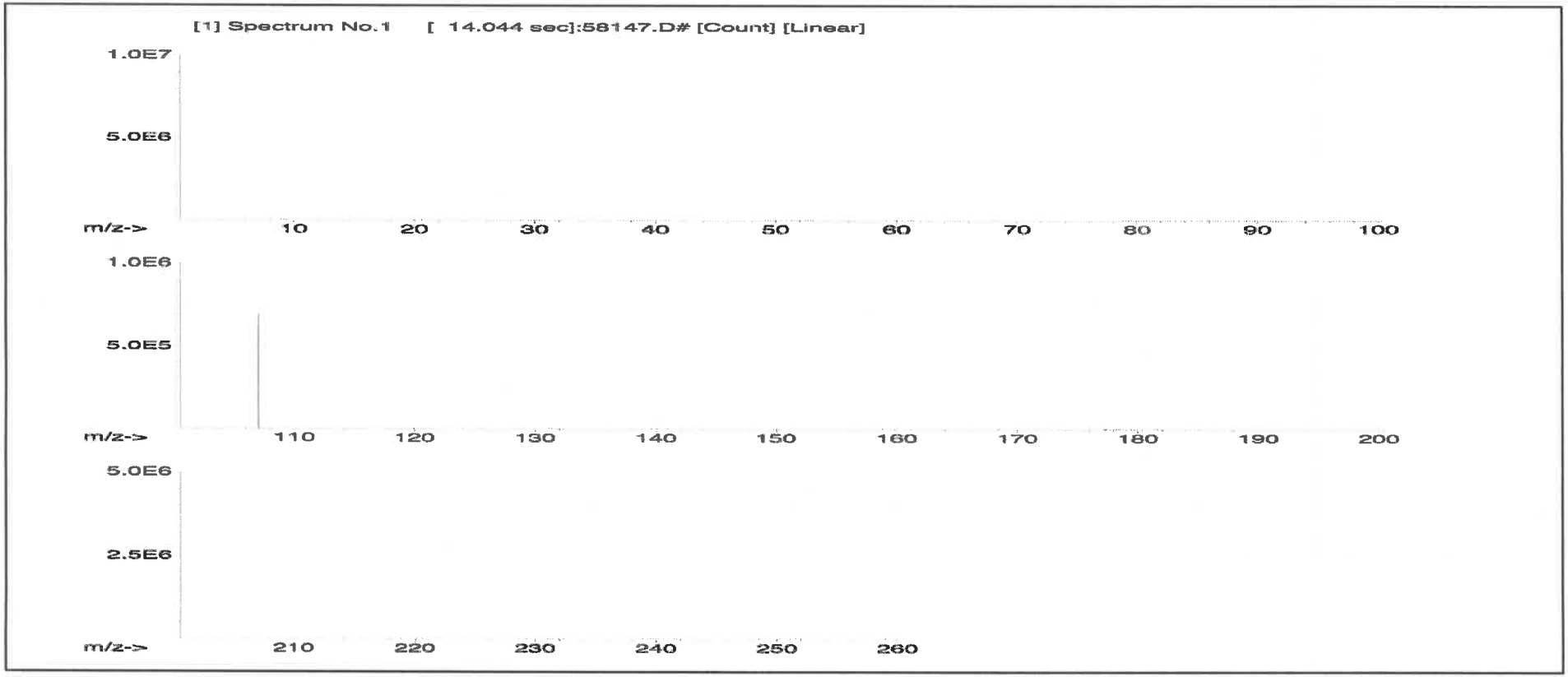
CERTIFIED WEIGHT REPORT:

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



335

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:

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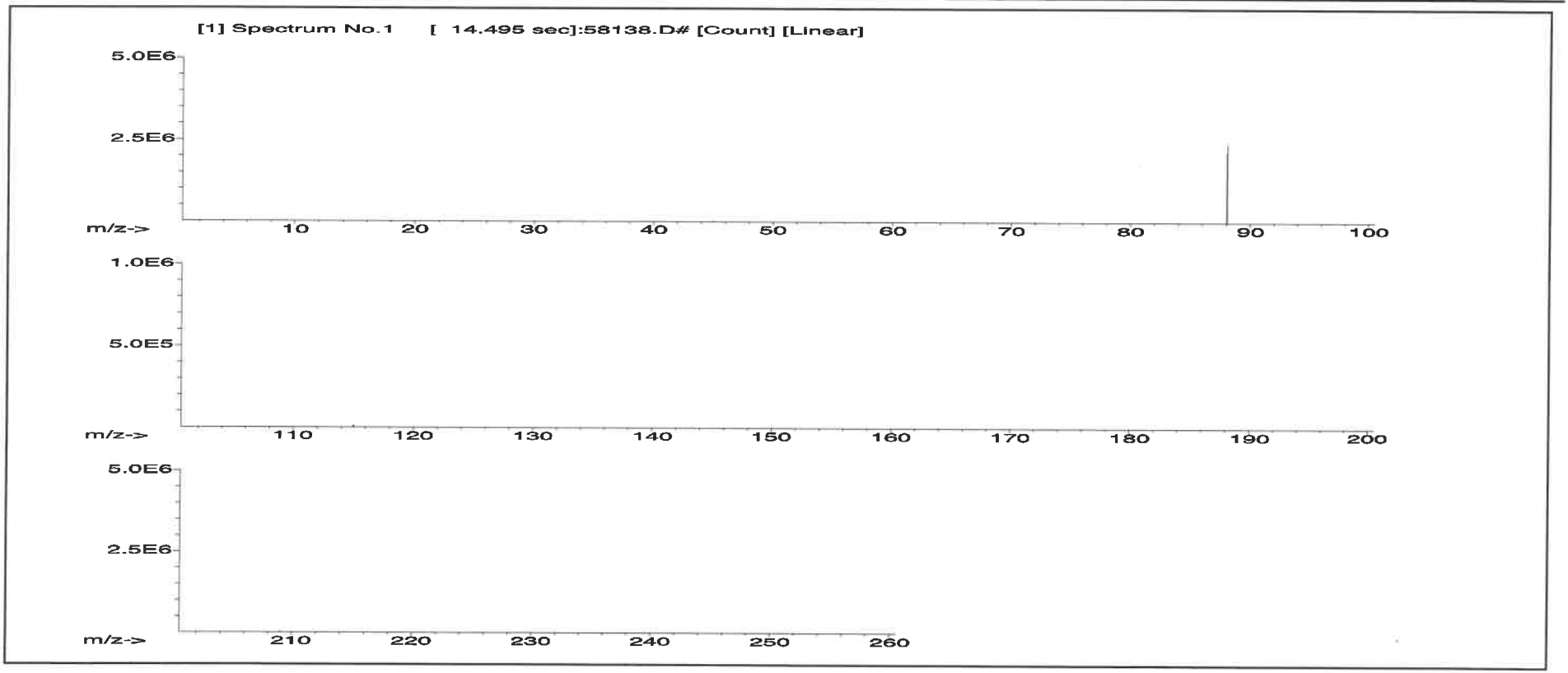
CERTIFIED WEIGHT REPORT:

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



337

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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338

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		

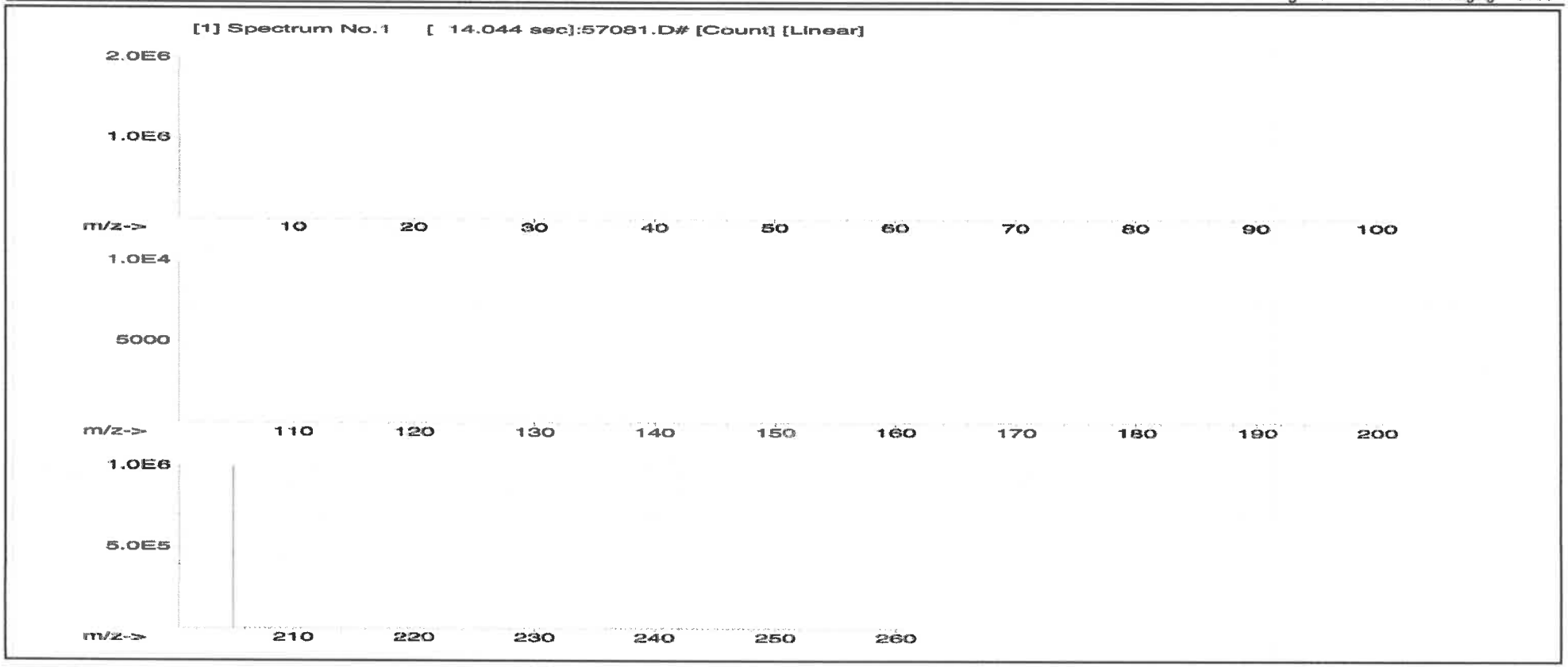
Aleah O'Brady

Formulated By:	Aleah O'Brady	062724

Pedro Rentas

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



339

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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340

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	

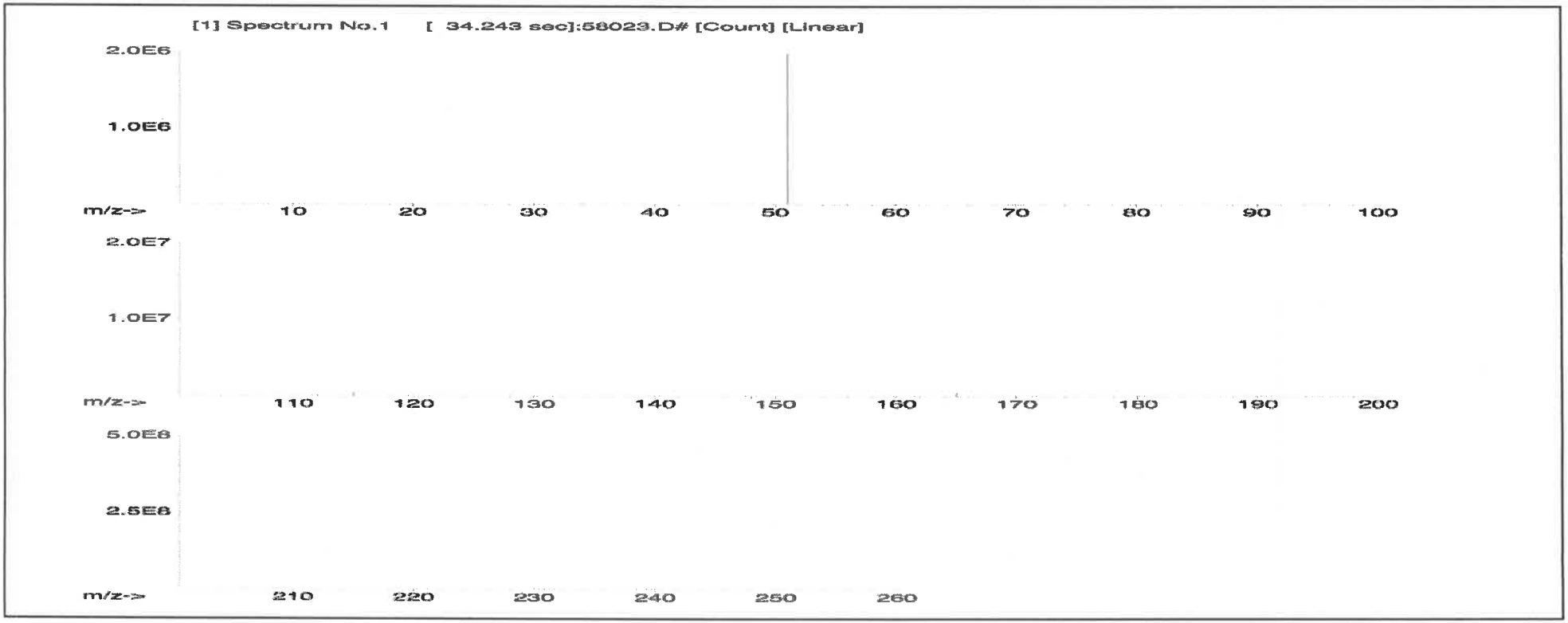
Aleah O'Brady

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



341

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:

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Soil/Sludge Metals Preparation Sheet

PB164346

SOP ID : M3050B-Digestion-20, MSFAM01.1-Trace Metals-2

SDG No : MYE450

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: 10/23/2024 **Time :** 10:15 **Temp :** 97 °C

End Digest Date: 10/23/2024 **Time :** 13:15 **Temp :** 97 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #3

Dig Technician Signature: JSP

Supervisor Signature: SD

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.00	MP82711
LCSSD	0.50	MP82711
Spike Sol 6	2.00	MP82731
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	10.00	MP81119
1:1 HCL	5.00	MP82127
Conc. HNO3	5.00	M6096
30% H2O2	3.00	M5634
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 #3 Cell #34 Temp.: 97 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/23/24 14:00	JSP / Met dig	[signature]
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB164346

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P4477-01	MYE450	N/A	1.30	100	Brown	Yellow	Medium	N/A	N/A	1
P4477-02	MYE451	N/A	1.38	100	Brown	Yellow	Medium	N/A	N/A	2
P4477-03	MYE452	N/A	1.18	100	Brown	Yellow	Medium	N/A	N/A	3
P4477-04	MYE453	N/A	1.42	100	Brown	Yellow	Medium	N/A	N/A	4
P4477-05	MYE453D	N/A	1.47	100	Brown	Yellow	Medium	N/A	N/A	6
P4477-06	MYE453S	N/A	1.38	100	Brown	Yellow	Medium	N/A	MP82731	27
P4477-07	MYE454	N/A	1.29	100	Brown	Yellow	Medium	N/A	N/A	8
P4477-08	MYE455	N/A	1.24	100	Brown	Yellow	Medium	N/A	N/A	9
P4477-09	MYE456	N/A	1.07	100	Brown	Yellow	Medium	N/A	N/A	10
P4477-10	MYE457	N/A	1.42	100	Brown	Yellow	Medium	N/A	N/A	11
P4477-11	MYE458	N/A	1.34	100	Brown	Yellow	Medium	N/A	N/A	12
P4477-12	MYE459	N/A	1.42	100	Brown	Yellow	Medium	N/A	N/A	13
P4477-13	MYE460	N/A	1.19	100	Brown	Yellow	Medium	N/A	N/A	14
P4477-14	MYE461	N/A	1.11	100	Brown	Yellow	Medium	N/A	N/A	15
P4477-15	MYE462	N/A	1.48	100	Brown	Yellow	Medium	N/A	N/A	16
P4477-16	MYE463	N/A	1.22	100	Brown	Yellow	Medium	N/A	N/A	17
P4477-17	MYE464	N/A	1.17	100	Brown	Yellow	Medium	N/A	N/A	18
P4477-18	MYE465	N/A	1.21	100	Brown	Yellow	Medium	N/A	N/A	19
P4477-19	MYE466	N/A	1.25	100	Brown	Yellow	Medium	N/A	N/A	20
P4477-20	MYE467	N/A	1.12	100	Brown	Yellow	Medium	N/A	N/A	21
P4477-21	MYE468	N/A	1.39	100	Brown	Yellow	Medium	N/A	N/A	22
P4477-22	MYE469	N/A	1.33	100	Brown	Yellow	Medium	N/A	N/A	23
PB164346BL	PBS346	N/A	1.00	100	Colorless	Colorless	Fine	N/A	N/A	24
PB164346BS	LCS346	N/A	1.00	100	Colorless	Colorless	Fine	N/A	MP82711	28
PB164346BSD	LCSD346	N/A	1.00	100	Colorless	Colorless	Fine	N/A	MP82711	29

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 # LB133149

Review By	Sarabjit Jaswal	Review On	11/5/2024 7:52:29 AM
Supervise By	Mohan Bera	Supervise On	11/5/2024 7:53:12 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82632,MP82446,MP82445,MP82444,MP82443,MP82442
ICV Standard	MP82450
CCV Standard	MP82453
ICSA Standard	MP82451,MP82452
CRI Standard	
LCS Standard	MP82711
Chk Standard	MP82455,MP82456

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/26/24 18:18		Kareem	OK
2	S1	S01	CAL2	10/26/24 18:23		Kareem	OK
3	S2	S02	CAL3	10/26/24 18:27		Kareem	OK
4	S3	S03	CAL4	10/26/24 18:32		Kareem	OK
5	S4	S04	CAL5	10/26/24 18:36		Kareem	OK
6	S5	S05	CAL6	10/26/24 18:40		Kareem	OK
7	S6	S06	CAL7	10/26/24 18:45		Kareem	OK
8	ICV002	ICV002	ICV	10/26/24 19:13	Inst. paused for calibration review	Kareem	OK
9	ICB002	ICB002	ICB	10/26/24 19:19	Inst. paused for review	Kareem	OK
10	ICSA002	ICSA002	ICSA	10/26/24 19:23		Kareem	OK
11	ICSAB002	ICSAB002	ICSAB	10/26/24 19:37	Inst. paused for review	Kareem	OK
12	CCV005	CCV005	CCV	10/26/24 20:07	Inst. paused for review	Kareem	OK
13	CCB005	CCB005	CCB	10/26/24 20:12		Kareem	OK
14	P4477-01DL	MYE450	SAM	10/26/24 20:17		Kareem	OK
15	P4477-02DL	MYE451	SAM	10/26/24 20:21		Kareem	OK
16	P4477-03DL	MYE452	SAM	10/26/24 20:25		Kareem	OK
17	P4477-04DL	MYE453	SAM	10/26/24 20:30		Kareem	OK
18	CCV006	CCV006	CCV	10/26/24 20:34		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 # LB133149

Review By	Sarabjit Jaswal	Review On	11/5/2024 7:52:29 AM
Supervise By	Mohan Bera	Supervise On	11/5/2024 7:53:12 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82632,MP82446,MP82445,MP82444,MP82443,MP82442
ICV Standard	MP82450
CCV Standard	MP82453
ICSA Standard	MP82451,MP82452
CRI Standard	
LCS Standard	MP82711
Chk Standard	MP82455,MP82456

19	CCB006	CCB006	CCB	10/26/24 20:38		Kareem	OK
20	P4477-05DL	MYE453D	DUP	10/26/24 20:43		Kareem	OK
21	P4477-06DL	MYE453S	MS	10/26/24 20:47		Kareem	OK
22	P4477-04LDL	MYE453L	SD	10/26/24 20:52		Kareem	OK
23	P4477-07DL	MYE454	SAM	10/26/24 20:56		Kareem	OK
24	P4477-08DL	MYE455	SAM	10/26/24 21:01		Kareem	OK
25	P4477-09DL	MYE456	SAM	10/26/24 21:05		Kareem	OK
26	P4477-10DL	MYE457	SAM	10/26/24 21:09		Kareem	OK
27	P4477-11DL	MYE458	SAM	10/26/24 21:14		Kareem	OK
28	P4477-12DL	MYE459	SAM	10/26/24 21:18		Kareem	OK
29	P4477-13DL	MYE460	SAM	10/26/24 21:23		Kareem	OK
30	P4477-14DL	MYE461	SAM	10/26/24 21:27		Kareem	OK
31	P4477-15DL	MYE462	SAM	10/26/24 21:31		Kareem	OK
32	P4477-16DL	MYE463	SAM	10/26/24 21:36		Kareem	OK
33	P4477-17DL	MYE464	SAM	10/26/24 21:40		Kareem	OK
34	P4477-18DL	MYE465	SAM	10/26/24 21:45		Kareem	OK
35	P4477-19DL	MYE466	SAM	10/26/24 21:49		Kareem	OK
36	CCV007	CCV007	CCV	10/26/24 21:53		Kareem	OK
37	CCB007	CCB007	CCB	10/26/24 21:58		Kareem	OK
38	P4477-20DL	MYE467	SAM	10/26/24 22:02		Kareem	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB133149

Review By	Sarabjit Jaswal	Review On	11/5/2024 7:52:29 AM
Supervise By	Mohan Bera	Supervise On	11/5/2024 7:53:12 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82632,MP82446,MP82445,MP82444,MP82443,MP82442
ICV Standard	MP82450
CCV Standard	MP82453
ICSA Standard	MP82451,MP82452
CRI Standard	
LCS Standard	MP82711
Chk Standard	MP82455,MP82456

39	P4477-21DL	MYE468	SAM	10/26/24 22:07		Kareem	OK
40	P4477-22DL	MYE469	SAM	10/26/24 22:11		Kareem	OK
41	PB164346BL	PBS346	MB	10/26/24 22:15		Kareem	OK
42	PB164346BS	LCS346	LCS	10/26/24 22:20		Kareem	OK
43	PB164346BSD	LCSD346	LCSD	10/26/24 22:24		Kareem	OK
44	P4479-01DL	MYE470	SAM	10/26/24 22:29		Kareem	OK
45	P4479-02DL	MYE471	SAM	10/26/24 22:33		Kareem	OK
46	P4479-03DL	MYE472	SAM	10/26/24 22:38		Kareem	OK
47	P4479-04DL	MYE473	SAM	10/26/24 22:42		Kareem	OK
48	P4479-05DL	MYE474	SAM	10/26/24 22:47		Kareem	OK
49	P4479-06DL	MYE475	SAM	10/26/24 22:51		Kareem	OK
50	P4479-07DL	MYE476	SAM	10/26/24 22:55		Kareem	OK
51	P4479-08DL	MYE477	SAM	10/26/24 23:00		Kareem	OK
52	P4479-09DL	MYE478	SAM	10/26/24 23:04		Kareem	OK
53	P4479-10DL	MYE479	SAM	10/26/24 23:09		Kareem	OK
54	P4479-11DL	MYE480	SAM	10/26/24 23:13		Kareem	OK
55	P4479-12DL	MYE481	SAM	10/26/24 23:18		Kareem	OK
56	P4479-13DL	MYE481D	DUP	10/26/24 23:22		Kareem	OK
57	P4479-14DL	MYE481S	MS	10/26/24 23:26		Kareem	OK
58	CCV008	CCV008	CCV	10/26/24 23:31		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 # LB133149

Review By	Sarabjit Jaswal	Review On	11/5/2024 7:52:29 AM
Supervise By	Mohan Bera	Supervise On	11/5/2024 7:53:12 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82632,MP82446,MP82445,MP82444,MP82443,MP82442
ICV Standard	MP82450
CCV Standard	MP82453
ICSA Standard	MP82451,MP82452
CRI Standard	
LCS Standard	MP82711
Chk Standard	MP82455,MP82456

59	CCB008	CCB008	CCB	10/26/24 23:35		Kareem	OK
60	P4479-12LDL	MYE481L	SD	10/26/24 23:39		Kareem	OK
61	P4479-15DL	MYE482	SAM	10/26/24 23:44		Kareem	OK
62	P4479-16DL	MYE483	SAM	10/26/24 23:48		Kareem	OK
63	P4479-17DL	MYE484	SAM	10/26/24 23:53		Kareem	OK
64	P4479-18DL	MYE485	SAM	10/26/24 23:57		Kareem	OK
65	P4479-19DL	MYE486	SAM	10/27/24 00:02		Kareem	OK
66	P4479-20DL	MYE487	SAM	10/27/24 00:06		Kareem	OK
67	P4479-21DL	MYE488	SAM	10/27/24 00:10		Kareem	OK
68	P4479-22DL	MYE489	SAM	10/27/24 00:15		Kareem	OK
69	PB164350BL	PBS350	MB	10/27/24 00:19		Kareem	OK
70	PB164350BS	LCS350	LCS	10/27/24 00:24		Kareem	OK
71	PB164350BSD	LCSD350	LCSD	10/27/24 00:28		Kareem	OK
72	CCV009	CCV009	CCV	10/27/24 00:39		Kareem	OK
73	CCB009	CCB009	CCB	10/27/24 00:43		Kareem	OK

EPA SAMPLE NO.

MYE450

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-01

% Solids: 91.8 Date Received: 10/22/2024

Analytical Method: ICP_MS

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
7440-36-0	Antimony	1.2		10/30/2024	1537
7440-38-2	Arsenic	43		10/30/2024	1537
7440-39-3	Barium	180		10/30/2024	1537
7440-41-7	Beryllium	0.61	*	10/30/2024	1537
7440-43-9	Cadmium	0.98		10/30/2024	1537
7440-47-3	Chromium	41		10/30/2024	1537
7440-48-4	Cobalt	19	*	10/30/2024	1537
7440-50-8	Copper	130		10/30/2024	1537
7439-92-1	Lead	29		10/30/2024	1537
7440-02-0	Nickel	33	*	10/30/2024	1537
7782-49-2	Selenium	0.97	J	10/30/2024	1537
7440-22-4	Silver	0.35	J*	10/30/2024	1537
7440-28-0	Thallium	0.16	J	10/30/2024	1537
7440-62-2	Vanadium	67	*	10/30/2024	1537
7440-66-6	Zinc	120		10/30/2024	1537

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

Comments:

EPA SAMPLE NO.

MYE451

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-02

% Solids: 97.7 Date Received: 10/22/2024

Analytical Method: ICP_MS

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
7440-36-0	Antimony	0.84		10/30/2024	1541
7440-38-2	Arsenic	32		10/30/2024	1541
7440-39-3	Barium	140		10/30/2024	1541
7440-41-7	Beryllium	0.56	*	10/30/2024	1541
7440-43-9	Cadmium	0.71		10/30/2024	1541
7440-47-3	Chromium	34		10/30/2024	1541
7440-48-4	Cobalt	15	*	10/30/2024	1541
7440-50-8	Copper	96		10/30/2024	1541
7439-92-1	Lead	23		10/30/2024	1541
7440-02-0	Nickel	29	*	10/30/2024	1541
7782-49-2	Selenium	0.59	J	10/30/2024	1541
7440-22-4	Silver	0.22	J*	10/30/2024	1541
7440-28-0	Thallium	0.14	J	10/30/2024	1541
7440-62-2	Vanadium	58	*	10/30/2024	1541
7440-66-6	Zinc	100		10/30/2024	1541

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

Comments:

EPA SAMPLE NO.

MYE452

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-03

% Solids: 92.6 Date Received: 10/22/2024

Analytical Method: ICP_MS

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
7440-36-0	Antimony	0.94		10/30/2024	1544
7440-38-2	Arsenic	50		10/30/2024	1544
7440-39-3	Barium	240		10/30/2024	1544
7440-41-7	Beryllium	0.78	*	10/30/2024	1544
7440-43-9	Cadmium	0.89		10/30/2024	1544
7440-47-3	Chromium	43		10/30/2024	1544
7440-48-4	Cobalt	20	*	10/30/2024	1544
7440-50-8	Copper	130		10/30/2024	1544
7439-92-1	Lead	30		10/30/2024	1544
7440-02-0	Nickel	39	*	10/30/2024	1544
7782-49-2	Selenium	0.91	J	10/30/2024	1544
7440-22-4	Silver	0.33	J*	10/30/2024	1544
7440-28-0	Thallium	0.17	J	10/30/2024	1544
7440-62-2	Vanadium	69	*	10/30/2024	1544
7440-66-6	Zinc	110		10/30/2024	1544

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

Comments:

EPA SAMPLE NO.

MYE453

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-04

% Solids: 97.2 Date Received: 10/22/2024

Analytical Method: ICP_MS

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
7440-36-0	Antimony	1.1		10/30/2024	1444
7440-38-2	Arsenic	81		10/30/2024	1444
7440-39-3	Barium	200	D	10/30/2024	1850
7440-41-7	Beryllium	0.59	*	10/30/2024	1444
7440-43-9	Cadmium	0.94		10/30/2024	1444
7440-47-3	Chromium	33		10/30/2024	1444
7440-48-4	Cobalt	19	D*	10/30/2024	1850
7440-50-8	Copper	120		10/30/2024	1444
7439-92-1	Lead	31		10/30/2024	1444
7440-02-0	Nickel	33	D*	10/30/2024	1850
7782-49-2	Selenium	0.74	J	10/30/2024	1444
7440-22-4	Silver	0.36	*	10/30/2024	1444
7440-28-0	Thallium	0.14	J	10/30/2024	1444
7440-62-2	Vanadium	62	D*	10/30/2024	1850
7440-66-6	Zinc	120		10/30/2024	1444

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

Comments:

EPA SAMPLE NO.

MYE454

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-07

% Solids: 92.3 Date Received: 10/22/2024

Analytical Method: ICP_MS

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
7440-36-0	Antimony	0.86		10/30/2024	1547
7440-38-2	Arsenic	30		10/30/2024	1547
7440-39-3	Barium	150		10/30/2024	1547
7440-41-7	Beryllium	0.51	*	10/30/2024	1547
7440-43-9	Cadmium	0.62		10/30/2024	1547
7440-47-3	Chromium	36		10/30/2024	1547
7440-48-4	Cobalt	16	*	10/30/2024	1547
7440-50-8	Copper	93		10/30/2024	1547
7439-92-1	Lead	20		10/30/2024	1547
7440-02-0	Nickel	29	*	10/30/2024	1547
7782-49-2	Selenium	0.57	J	10/30/2024	1547
7440-22-4	Silver	0.23	J*	10/30/2024	1547
7440-28-0	Thallium	0.12	J	10/30/2024	1547
7440-62-2	Vanadium	61	*	10/30/2024	1547
7440-66-6	Zinc	110		10/30/2024	1547

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

Comments:

EPA SAMPLE NO.

MYE455

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-08

% Solids: 92 Date Received: 10/22/2024

Analytical Method: ICP_MS

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
7440-36-0	Antimony	0.77	J	10/30/2024	1550
7440-38-2	Arsenic	29		10/30/2024	1550
7440-39-3	Barium	160		10/30/2024	1550
7440-41-7	Beryllium	0.55	*	10/30/2024	1550
7440-43-9	Cadmium	0.62		10/30/2024	1550
7440-47-3	Chromium	34		10/30/2024	1550
7440-48-4	Cobalt	16	*	10/30/2024	1550
7440-50-8	Copper	89		10/30/2024	1550
7439-92-1	Lead	20		10/30/2024	1550
7440-02-0	Nickel	31	*	10/30/2024	1550
7782-49-2	Selenium	0.32	J	10/30/2024	1550
7440-22-4	Silver	0.19	J*	10/30/2024	1550
7440-28-0	Thallium	0.12	J	10/30/2024	1550
7440-62-2	Vanadium	59	*	10/30/2024	1550
7440-66-6	Zinc	110		10/30/2024	1550

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

Comments:

EPA SAMPLE NO.

MYE456

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-09

% Solids: 97.2 Date Received: 10/22/2024

Analytical Method: ICP_MS

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
7440-36-0	Antimony	0.83	J	10/30/2024	1553
7440-38-2	Arsenic	32		10/30/2024	1553
7440-39-3	Barium	120		10/30/2024	1553
7440-41-7	Beryllium	0.40	J*	10/30/2024	1553
7440-43-9	Cadmium	0.46	J	10/30/2024	1553
7440-47-3	Chromium	46		10/30/2024	1553
7440-48-4	Cobalt	22	*	10/30/2024	1553
7440-50-8	Copper	86		10/30/2024	1553
7439-92-1	Lead	18		10/30/2024	1553
7440-02-0	Nickel	43	*	10/30/2024	1553
7782-49-2	Selenium	0.60	J	10/30/2024	1553
7440-22-4	Silver	0.16	J*	10/30/2024	1553
7440-28-0	Thallium	0.087	J	10/30/2024	1553
7440-62-2	Vanadium	90	*	10/30/2024	1553
7440-66-6	Zinc	83		10/30/2024	1553

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

Comments:

EPA SAMPLE NO.

MYE457

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-10

% Solids: 97.6 Date Received: 10/22/2024

Analytical Method: ICP_MS

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
7440-36-0	Antimony	1.1		10/30/2024	1556
7440-38-2	Arsenic	45		10/30/2024	1556
7440-39-3	Barium	160		10/30/2024	1556
7440-41-7	Beryllium	0.59	*	10/30/2024	1556
7440-43-9	Cadmium	0.87		10/30/2024	1556
7440-47-3	Chromium	35		10/30/2024	1556
7440-48-4	Cobalt	18	*	10/30/2024	1556
7440-50-8	Copper	120		10/30/2024	1556
7439-92-1	Lead	29		10/30/2024	1556
7440-02-0	Nickel	35	*	10/30/2024	1556
7782-49-2	Selenium	0.44	J	10/30/2024	1556
7440-22-4	Silver	0.28	J*	10/30/2024	1556
7440-28-0	Thallium	0.14	J	10/30/2024	1556
7440-62-2	Vanadium	63	*	10/30/2024	1556
7440-66-6	Zinc	110		10/30/2024	1556

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

Comments:

EPA SAMPLE NO.

MYE458

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-11

% Solids: 97.3 Date Received: 10/22/2024

Analytical Method: ICP_MS

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
7440-36-0	Antimony	0.87		10/30/2024	1600
7440-38-2	Arsenic	31		10/30/2024	1600
7440-39-3	Barium	150		10/30/2024	1600
7440-41-7	Beryllium	0.48	*	10/30/2024	1600
7440-43-9	Cadmium	0.72		10/30/2024	1600
7440-47-3	Chromium	31		10/30/2024	1600
7440-48-4	Cobalt	17	*	10/30/2024	1600
7440-50-8	Copper	100		10/30/2024	1600
7439-92-1	Lead	23		10/30/2024	1600
7440-02-0	Nickel	28	*	10/30/2024	1600
7782-49-2	Selenium	0.65	J	10/30/2024	1600
7440-22-4	Silver	0.29	J*	10/30/2024	1600
7440-28-0	Thallium	0.12	J	10/30/2024	1600
7440-62-2	Vanadium	55	*	10/30/2024	1600
7440-66-6	Zinc	110		10/30/2024	1600

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

Comments:

EPA SAMPLE NO.

MYE459

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-12

% Solids: 96.8 Date Received: 10/22/2024

Analytical Method: ICP_MS

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
7440-36-0	Antimony	1.0		10/30/2024	1603
7440-38-2	Arsenic	41		10/30/2024	1603
7440-39-3	Barium	160		10/30/2024	1603
7440-41-7	Beryllium	0.54	*	10/30/2024	1603
7440-43-9	Cadmium	0.89		10/30/2024	1603
7440-47-3	Chromium	34		10/30/2024	1603
7440-48-4	Cobalt	17	*	10/30/2024	1603
7440-50-8	Copper	130		10/30/2024	1603
7439-92-1	Lead	27		10/30/2024	1603
7440-02-0	Nickel	32	*	10/30/2024	1603
7782-49-2	Selenium	0.72	J	10/30/2024	1603
7440-22-4	Silver	0.27	J*	10/30/2024	1603
7440-28-0	Thallium	0.14	J	10/30/2024	1603
7440-62-2	Vanadium	60	*	10/30/2024	1603
7440-66-6	Zinc	120		10/30/2024	1603

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

Comments:

EPA SAMPLE NO.

MYE460

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-13

% Solids: 97.1 Date Received: 10/22/2024

Analytical Method: ICP_MS

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
7440-36-0	Antimony	0.86	J	10/30/2024	1606
7440-38-2	Arsenic	29		10/30/2024	1606
7440-39-3	Barium	160		10/30/2024	1606
7440-41-7	Beryllium	0.53	*	10/30/2024	1606
7440-43-9	Cadmium	0.87		10/30/2024	1606
7440-47-3	Chromium	32		10/30/2024	1606
7440-48-4	Cobalt	15	*	10/30/2024	1606
7440-50-8	Copper	120		10/30/2024	1606
7439-92-1	Lead	25		10/30/2024	1606
7440-02-0	Nickel	29	*	10/30/2024	1606
7782-49-2	Selenium	0.60	J	10/30/2024	1606
7440-22-4	Silver	0.30	J*	10/30/2024	1606
7440-28-0	Thallium	0.13	J	10/30/2024	1606
7440-62-2	Vanadium	52	*	10/30/2024	1606
7440-66-6	Zinc	120		10/30/2024	1606

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

Comments:

EPA SAMPLE NO.

MYE461

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-14

% Solids: 98.9 Date Received: 10/22/2024

Analytical Method: ICP_MS

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
7440-36-0	Antimony	1.3		10/30/2024	1609
7440-38-2	Arsenic	36		10/30/2024	1609
7440-39-3	Barium	140		10/30/2024	1609
7440-41-7	Beryllium	0.50	*	10/30/2024	1609
7440-43-9	Cadmium	0.71		10/30/2024	1609
7440-47-3	Chromium	33		10/30/2024	1609
7440-48-4	Cobalt	16	*	10/30/2024	1609
7440-50-8	Copper	96		10/30/2024	1609
7439-92-1	Lead	24		10/30/2024	1609
7440-02-0	Nickel	29	*	10/30/2024	1609
7782-49-2	Selenium	0.70	J	10/30/2024	1609
7440-22-4	Silver	0.28	J*	10/30/2024	1609
7440-28-0	Thallium	0.12	J	10/30/2024	1609
7440-62-2	Vanadium	59	*	10/30/2024	1609
7440-66-6	Zinc	110		10/30/2024	1609

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

Comments:

EPA SAMPLE NO.

MYE462

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-15

% Solids: 94.5 Date Received: 10/22/2024

Analytical Method: ICP_MS

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
7440-36-0	Antimony	1.2		10/30/2024	1612
7440-38-2	Arsenic	31		10/30/2024	1612
7440-39-3	Barium	140		10/30/2024	1612
7440-41-7	Beryllium	0.58	*	10/30/2024	1612
7440-43-9	Cadmium	0.35	J	10/30/2024	1612
7440-47-3	Chromium	32		10/30/2024	1612
7440-48-4	Cobalt	18	*	10/30/2024	1612
7440-50-8	Copper	67		10/30/2024	1612
7439-92-1	Lead	17		10/30/2024	1612
7440-02-0	Nickel	44	*	10/30/2024	1612
7782-49-2	Selenium	0.35	J	10/30/2024	1612
7440-22-4	Silver	0.13	J*	10/30/2024	1612
7440-28-0	Thallium	0.097	J	10/30/2024	1612
7440-62-2	Vanadium	70	*	10/30/2024	1612
7440-66-6	Zinc	76		10/30/2024	1612

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

Comments:

EPA SAMPLE NO.

MYE463

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-16

% Solids: 91.3 Date Received: 10/22/2024

Analytical Method: ICP_MS

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
7440-36-0	Antimony	0.73	J	10/30/2024	1615
7440-38-2	Arsenic	34		10/30/2024	1615
7440-39-3	Barium	98		10/30/2024	1615
7440-41-7	Beryllium	0.37	J*	10/30/2024	1615
7440-43-9	Cadmium	0.36	J	10/30/2024	1615
7440-47-3	Chromium	61		10/30/2024	1615
7440-48-4	Cobalt	25	*	10/30/2024	1615
7440-50-8	Copper	100		10/30/2024	1615
7439-92-1	Lead	13		10/30/2024	1615
7440-02-0	Nickel	53	*	10/30/2024	1615
7782-49-2	Selenium	0.43	J	10/30/2024	1615
7440-22-4	Silver	0.16	J*	10/30/2024	1615
7440-28-0	Thallium	0.067	J	10/30/2024	1615
7440-62-2	Vanadium	88	*	10/30/2024	1615
7440-66-6	Zinc	76		10/30/2024	1615

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

Comments:

EPA SAMPLE NO.

MYE464

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-17

% Solids: 91.8 Date Received: 10/22/2024

Analytical Method: ICP_MS

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
7440-36-0	Antimony	1.2		10/30/2024	1619
7440-38-2	Arsenic	53		10/30/2024	1619
7440-39-3	Barium	210		10/30/2024	1619
7440-41-7	Beryllium	0.69	*	10/30/2024	1619
7440-43-9	Cadmium	0.71		10/30/2024	1619
7440-47-3	Chromium	43		10/30/2024	1619
7440-48-4	Cobalt	19	*	10/30/2024	1619
7440-50-8	Copper	110		10/30/2024	1619
7439-92-1	Lead	25		10/30/2024	1619
7440-02-0	Nickel	39	*	10/30/2024	1619
7782-49-2	Selenium	0.68	J	10/30/2024	1619
7440-22-4	Silver	0.32	J*	10/30/2024	1619
7440-28-0	Thallium	0.17	J	10/30/2024	1619
7440-62-2	Vanadium	78	*	10/30/2024	1619
7440-66-6	Zinc	120		10/30/2024	1619

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

Comments:

EPA SAMPLE NO.

MYE465

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-18

% Solids: 94.9 Date Received: 10/22/2024

Analytical Method: ICP_MS

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
7440-36-0	Antimony	0.66	J	10/30/2024	1622
7440-38-2	Arsenic	41		10/30/2024	1622
7440-39-3	Barium	210		10/30/2024	1622
7440-41-7	Beryllium	0.71	*	10/30/2024	1622
7440-43-9	Cadmium	0.66		10/30/2024	1622
7440-47-3	Chromium	42		10/30/2024	1622
7440-48-4	Cobalt	22	*	10/30/2024	1622
7440-50-8	Copper	110		10/30/2024	1622
7439-92-1	Lead	23		10/30/2024	1622
7440-02-0	Nickel	48	*	10/30/2024	1622
7782-49-2	Selenium	0.53	J	10/30/2024	1622
7440-22-4	Silver	0.26	J*	10/30/2024	1622
7440-28-0	Thallium	0.13	J	10/30/2024	1622
7440-62-2	Vanadium	75	*	10/30/2024	1622
7440-66-6	Zinc	100		10/30/2024	1622

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

Comments:

EPA SAMPLE NO.

MYE466

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-19

% Solids: 97.1 Date Received: 10/22/2024

Analytical Method: ICP_MS

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
7440-36-0	Antimony	0.90		10/30/2024	1625
7440-38-2	Arsenic	39		10/30/2024	1625
7440-39-3	Barium	160		10/30/2024	1625
7440-41-7	Beryllium	0.59	*	10/30/2024	1625
7440-43-9	Cadmium	0.88		10/30/2024	1625
7440-47-3	Chromium	35		10/30/2024	1625
7440-48-4	Cobalt	17	*	10/30/2024	1625
7440-50-8	Copper	130		10/30/2024	1625
7439-92-1	Lead	27		10/30/2024	1625
7440-02-0	Nickel	33	*	10/30/2024	1625
7782-49-2	Selenium	0.79	J	10/30/2024	1625
7440-22-4	Silver	0.29	J*	10/30/2024	1625
7440-28-0	Thallium	0.13	J	10/30/2024	1625
7440-62-2	Vanadium	64	*	10/30/2024	1625
7440-66-6	Zinc	120		10/30/2024	1625

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

Comments:

EPA SAMPLE NO.

MYE467

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-20

% Solids: 97.4 Date Received: 10/22/2024

Analytical Method: ICP_MS

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
7440-36-0	Antimony	0.75	J	10/30/2024	1628
7440-38-2	Arsenic	41		10/30/2024	1628
7440-39-3	Barium	200		10/30/2024	1628
7440-41-7	Beryllium	0.64	*	10/30/2024	1628
7440-43-9	Cadmium	0.52		10/30/2024	1628
7440-47-3	Chromium	39		10/30/2024	1628
7440-48-4	Cobalt	19	*	10/30/2024	1628
7440-50-8	Copper	89		10/30/2024	1628
7439-92-1	Lead	21		10/30/2024	1628
7440-02-0	Nickel	36	*	10/30/2024	1628
7782-49-2	Selenium	0.47	J	10/30/2024	1628
7440-22-4	Silver	0.21	J*	10/30/2024	1628
7440-28-0	Thallium	0.14	J	10/30/2024	1628
7440-62-2	Vanadium	69	*	10/30/2024	1628
7440-66-6	Zinc	95		10/30/2024	1628

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

Comments:

EPA SAMPLE NO.

MYE468

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-21

% Solids: 94.6 Date Received: 10/22/2024

Analytical Method: ICP_MS

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
7440-36-0	Antimony	0.57	J	10/30/2024	1631
7440-38-2	Arsenic	32		10/30/2024	1631
7440-39-3	Barium	180		10/30/2024	1631
7440-41-7	Beryllium	0.58	*	10/30/2024	1631
7440-43-9	Cadmium	0.40		10/30/2024	1631
7440-47-3	Chromium	38		10/30/2024	1631
7440-48-4	Cobalt	18	*	10/30/2024	1631
7440-50-8	Copper	74		10/30/2024	1631
7439-92-1	Lead	15		10/30/2024	1631
7440-02-0	Nickel	33	*	10/30/2024	1631
7782-49-2	Selenium	0.55	J	10/30/2024	1631
7440-22-4	Silver	0.16	J*	10/30/2024	1631
7440-28-0	Thallium	0.12	J	10/30/2024	1631
7440-62-2	Vanadium	61	*	10/30/2024	1631
7440-66-6	Zinc	85		10/30/2024	1631

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

Comments:

EPA SAMPLE NO.

MYE469

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE450

Matrix: SOIL Lab Sample ID: P4477-22

% Solids: 94.7 Date Received: 10/22/2024

Analytical Method: ICP_MS

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
7440-36-0	Antimony	0.63	J	10/30/2024	1634
7440-38-2	Arsenic	47		10/30/2024	1634
7440-39-3	Barium	310		10/30/2024	1634
7440-41-7	Beryllium	0.91	*	10/30/2024	1634
7440-43-9	Cadmium	0.54		10/30/2024	1634
7440-47-3	Chromium	45		10/30/2024	1634
7440-48-4	Cobalt	21	*	10/30/2024	1634
7440-50-8	Copper	99		10/30/2024	1634
7439-92-1	Lead	24		10/30/2024	1634
7440-02-0	Nickel	39	*	10/30/2024	1634
7782-49-2	Selenium	0.52	J	10/30/2024	1634
7440-22-4	Silver	0.27	J*	10/30/2024	1634
7440-28-0	Thallium	0.20	J	10/30/2024	1634
7440-62-2	Vanadium	74	*	10/30/2024	1634
7440-66-6	Zinc	110		10/30/2024	1634

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

Comments:

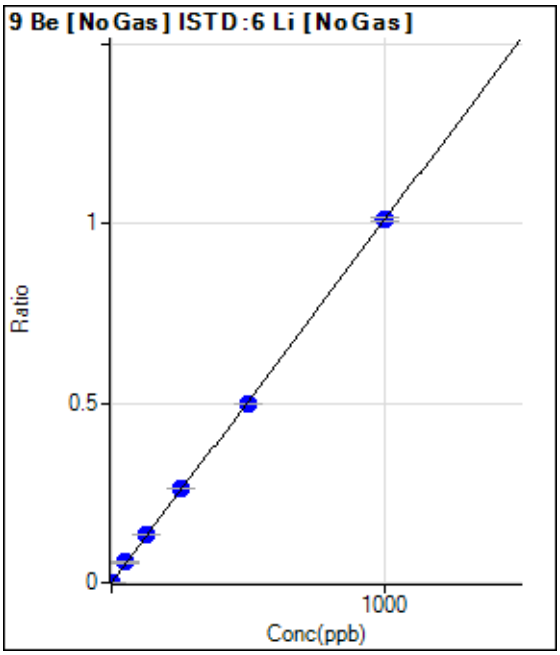
Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

Calibration for 011CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7103024 MS.b\
Analysis File: P7103024 MS.batch.bin
DA Date-Time: 2024-10-30 14:18:48
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2024-10-30 12:18:29
2	006CALS.d	S02	2024-10-30 12:25:05
3	007CALS.d	S03	2024-10-30 12:28:22
4	008CALS.d	S04	2024-10-30 12:31:33
5	009CALS.d	S05	2024-10-30 12:34:33
6	010CALS.d	S06	2024-10-30 12:37:28
7	011CALS.d	S07	2024-10-30 12:40:14
8	012CALS.d	S08	2024-10-30 12:43:00

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	14.44	0.0000	P	53.2
2	☐	1.000	1.030	530.01	0.0011	P	4.1
3	☐	50.000	56.032	28455.01	0.0566	P	4.7
4	☐	125.000	133.756	73163.31	0.1350	P	0.8
5	☐	250.000	259.566	151580.77	0.2620	P	1.4
6	☐	500.000	492.334	308432.19	0.4969	P	0.8
7	☐	1000.000	1000.045	634120.86	1.0093	P	1.0
8	☐			100.00	0.0002	P	7.8

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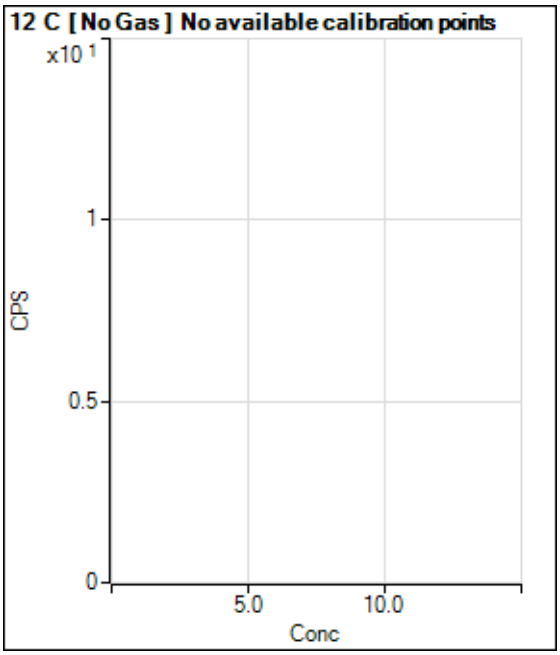
R = 0.9999

DL = 0.04237

BEC = 0.02653

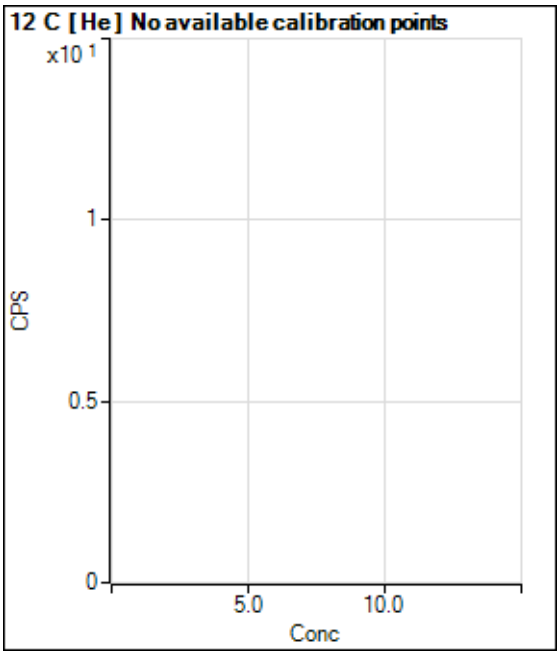
Weight: <None>

Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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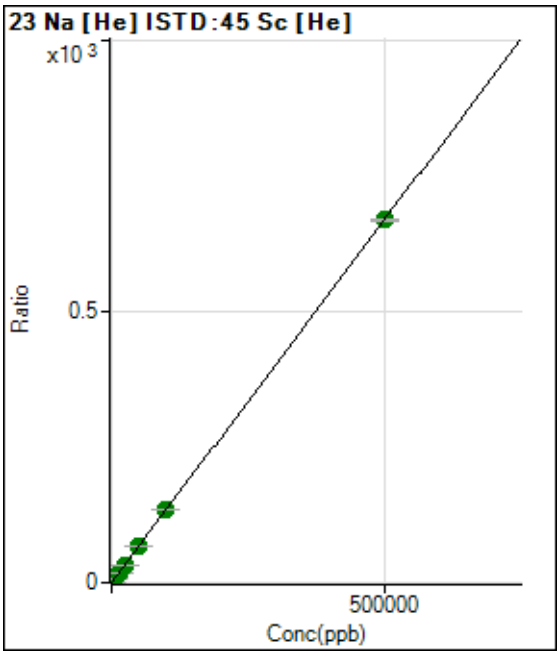
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	31445.47	0.1053	P	1.1
2	☐	500.000	493.978	223707.42	0.7667	P	0.7
3	☐	5000.000	5005.219	1999375.25	6.8068	A	1.5
4	☐	12500.000	12265.134	4746665.93	16.5272	A	0.6
5	☐	25000.000	24765.290	9427426.32	33.2639	A	0.6
6	☐	50000.000	50198.624	18653460.97	67.3169	A	0.6
7	☐	100000.00	100800.96	37611898.61	135.0691	A	0.6
8	☐	500000.00	499837.50	190830343.8	669.3448	A	0.3

y = 0.0013 * x + 0.1053
R = 1.0000
DL = 2.694
BEC = 78.63

Weight: <None>
Min Conc: 0

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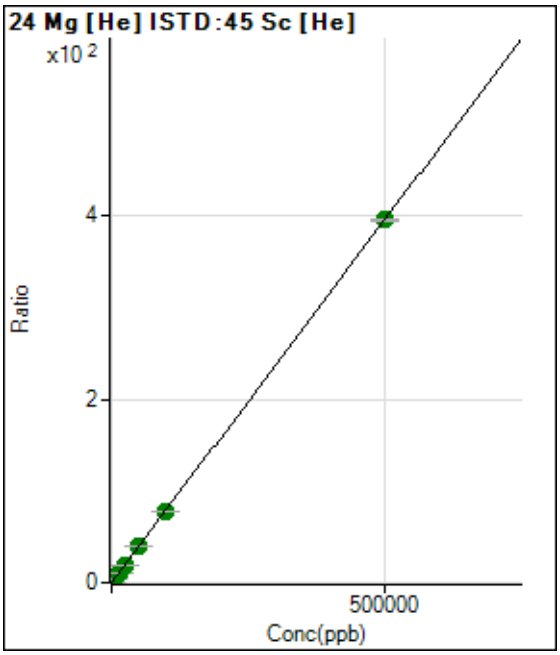
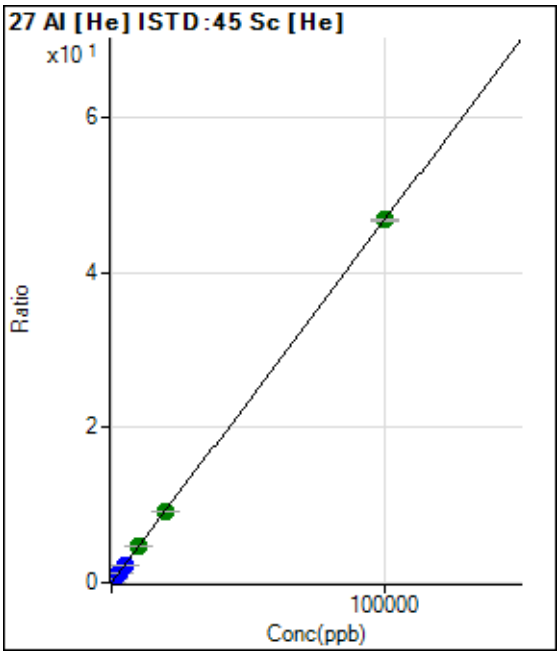


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	303.34	0.0010	P	7.5
2	☐	500.000	506.178	117048.83	0.4011	P	0.9
3	☐	5000.000	4908.148	1139897.52	3.8809	A	0.7
4	☐	12500.000	12198.445	2769717.29	9.6438	A	0.2
5	☐	25000.000	24318.457	5448647.14	19.2245	A	0.3
6	☐	50000.000	49361.931	10812661.99	39.0211	A	0.8
7	☐	100000.00	98687.243	21724158.43	78.0123	A	0.9
8	☐	500000.00	500368.88	112766464.9	395.5378	A	0.6

y = 7.9049E-004 * x + 0.0010
R = 1.0000
DL = 0.2898
BEC = 1.285

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	222.22	0.0007	P	21.2
2	☐	20.000	18.781	2783.61	0.0095	P	2.2
3	☐	1000.000	1020.023	140529.00	0.4784	P	0.5
4	☐	2500.000	2508.510	337615.47	1.1755	P	0.7
5	☐	5000.000	4989.436	662438.77	2.3374	P	0.9
6	☐	10000.000	9942.319	1290406.72	4.6570	A	1.8
7	☐	20000.000	19621.032	2559035.50	9.1897	A	0.8
8	☐	100000.00	100081.67	13363043.83	46.8713	A	0.5

y = 4.6832E-004 * x + 7.4388E-004
R = 1.0000
DL = 1.01
BEC = 1.588

Weight: <None>
Min Conc: 0

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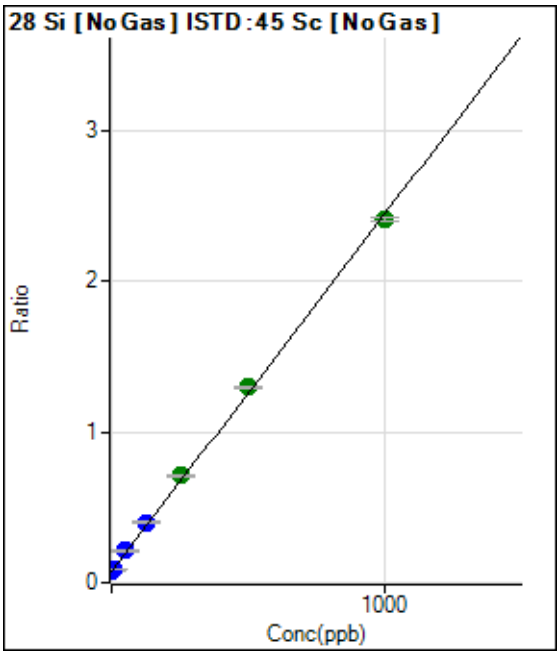
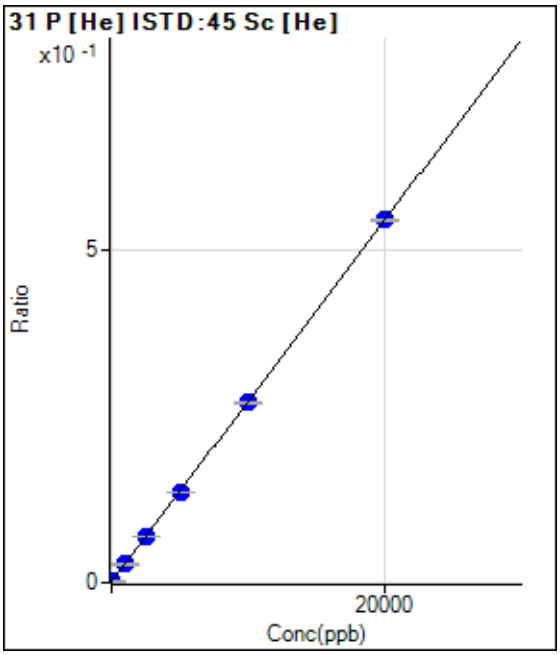


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	191356.20	0.0739	P	1.5
2	☐	10.000	5.385	211380.92	0.0867	P	1.2
3	☐	50.000	57.897	510306.56	0.2110	P	2.7
4	☐	125.000	137.483	971469.99	0.3995	P	1.3
5	☐	250.000	268.467	1739066.05	0.7097	A	1.7
6	☐	500.000	517.481	3157359.74	1.2993	A	0.8
7	☐	1000.000	984.734	5810396.72	2.4058	A	1.0
8	☐			229414.98	0.0944	P	0.7

y = 0.0024 * x + 0.0739
R = 0.9995
DL = 1.4
BEC = 31.22

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-18.685	134.45	0.0005	P	20.2
2	☐	0.000	18.685	427.79	0.0015	P	3.2
3	☐	1000.000	980.473	8110.00	0.0276	P	1.5
4	☐	2500.000	2508.928	19862.94	0.0692	P	1.0
5	☐	5000.000	4989.273	38708.91	0.1366	P	0.8
6	☐	10000.000	9938.381	75127.74	0.2711	P	0.6
7	☐	20000.000	20033.352	151915.40	0.5455	P	0.5
8	☐			174.45	0.0006	P	7.4

y = 2.7183E-005 * x + 9.5808E-004
R = 1.0000
DL = 7.624
BEC = 35.25

Weight: <None>
Min Conc: 0

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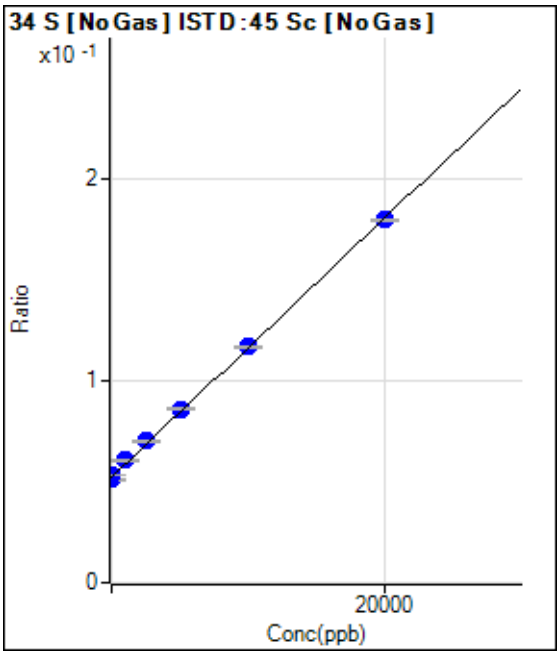


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-180.605	131850.23	0.0509	P	1.1
2	☐	0.000	180.605	129855.70	0.0533	P	1.4
3	☐	1000.000	1316.059	146358.07	0.0605	P	2.4
4	☐	2500.000	2770.117	169834.06	0.0698	P	0.5
5	☐	5000.000	5275.263	210466.36	0.0859	P	1.0
6	☐	10000.000	10064.530	283268.20	0.1166	P	0.8
7	☐	20000.000	19849.352	432933.26	0.1793	P	0.4
8	☐			124817.04	0.0514	P	6.0

y = 6.4065E-006 * x + 0.0521

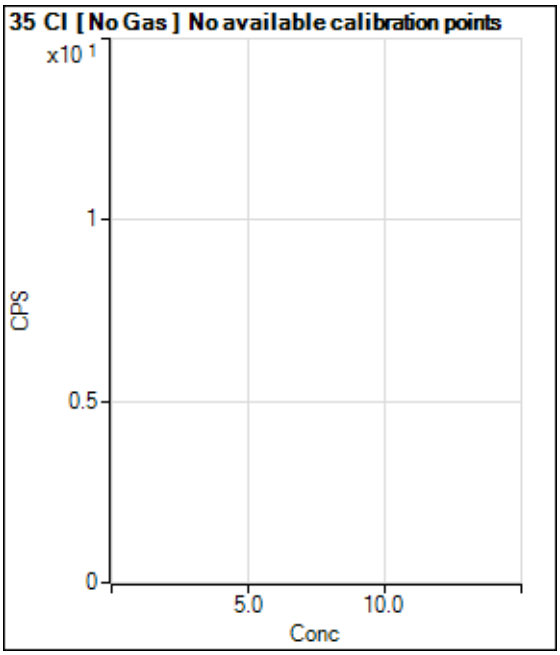
R = 0.9997

DL = 302.9

BEC = 8132

Weight: <None>

Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

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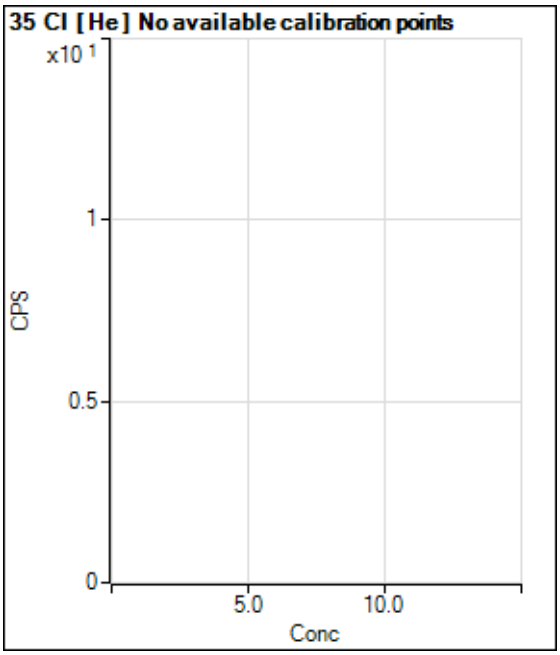
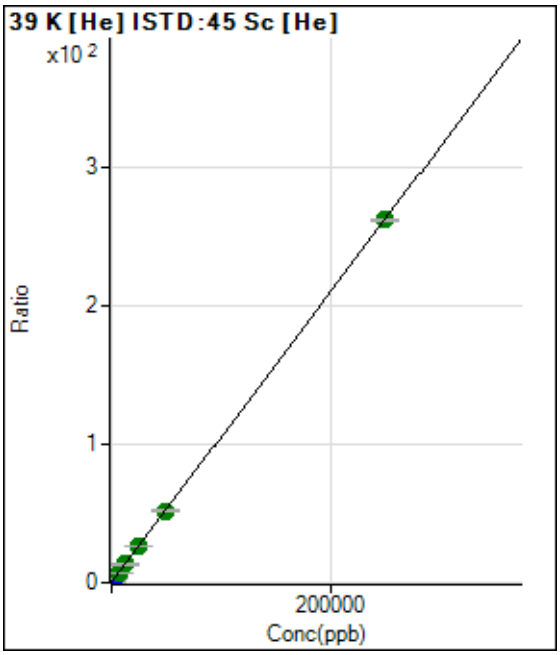


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	81983.52	0.2745	P	0.5
2	☐	500.000	514.576	237476.33	0.8139	P	0.4
3	☐	2500.000	2712.764	915817.75	3.1180	P	0.1
4	☐	6250.000	6315.172	1979987.38	6.8940	A	0.6
5	☐	12500.000	12366.615	3751540.64	13.2370	A	0.6
6	☐	25000.000	24779.644	7273492.67	26.2482	A	0.5
7	☐	50000.000	49497.024	14523869.51	52.1567	A	0.6
8	☐	250000.00	250125.51	74825632.77	262.4532	A	0.4

y = 0.0010 * x + 0.2745
R = 1.0000
DL = 3.704
BEC = 261.9

Weight: <None>
Min Conc: 0

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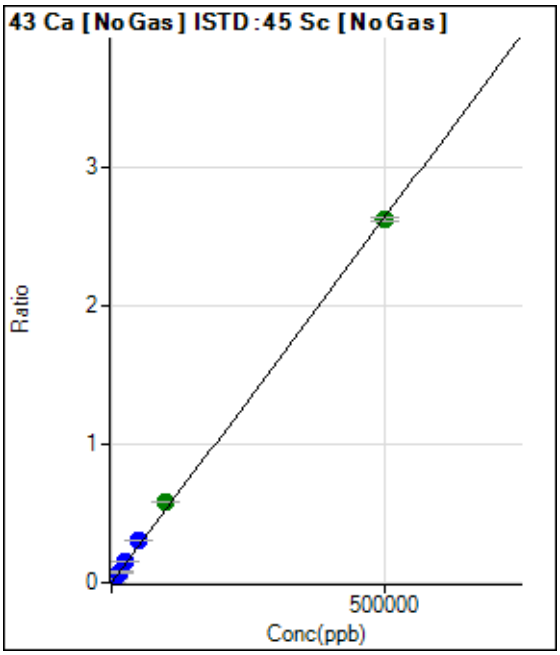
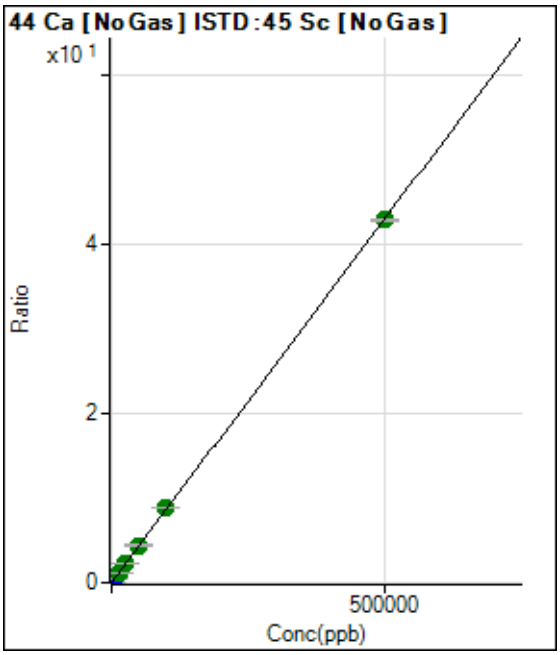


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	191.12	0.0001	P	13.1
2	☐	500.000	486.791	6444.75	0.0026	P	1.7
3	☐	5000.000	5883.711	75242.09	0.0311	P	4.8
4	☐	12500.000	14466.522	185825.41	0.0764	P	0.6
5	☐	25000.000	28561.315	369543.73	0.1508	P	1.9
6	☐	50000.000	57043.178	731767.26	0.3011	P	0.9
7	☐	100000.00	110521.67	1408840.17	0.5833	A	1.7
8	☐	500000.00	496955.29	6372326.85	2.6226	A	1.0

y = 5.2773E-006 * x + 7.3814E-005
R = 0.9997
DL = 5.495
BEC = 13.99

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13251.61	0.0051	P	1.3
2	☐	500.000	493.171	115675.80	0.0474	P	0.7
3	☐	5000.000	5568.404	1167568.24	0.4829	P	2.9
4	☐	12500.000	13122.306	2750098.22	1.1309	A	1.5
5	☐	25000.000	25935.427	5465048.60	2.2302	A	0.4
6	☐	50000.000	51390.850	10728256.30	4.4141	A	1.9
7	☐	100000.00	103642.32	21487216.35	8.8970	A	0.3
8	☐	500000.00	499064.44	104048061.7	42.8217	A	0.6

y = 8.5794E-005 * x + 0.0051
R = 1.0000
DL = 2.394
BEC = 59.67

Weight: <None>
Min Conc: 0

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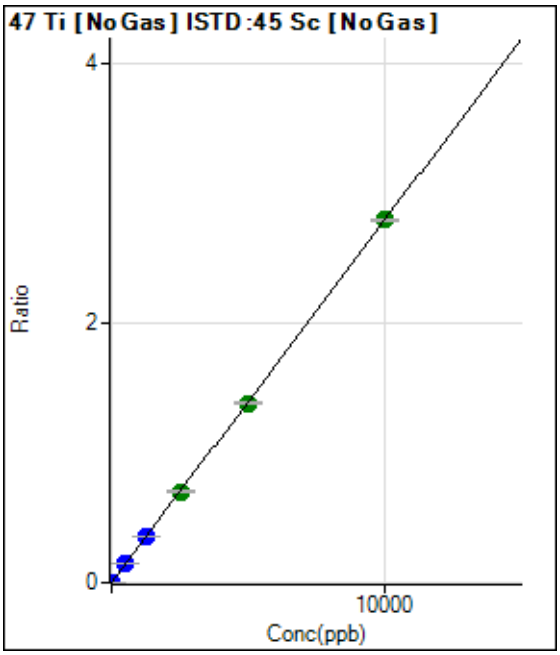
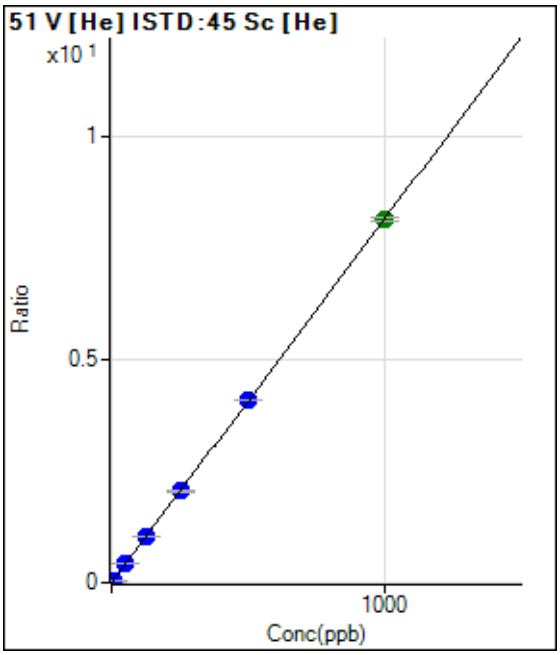


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	100.00	0.0000	P	21.2
2	☐	5.000	4.402	3090.34	0.0013	P	1.5
3	☐	500.000	515.290	347763.86	0.1438	P	3.0
4	☐	1250.000	1267.515	860176.04	0.3537	P	1.1
5	☐	2500.000	2519.595	1722942.27	0.7031	A	0.8
6	☐	5000.000	4956.363	3361305.99	1.3831	A	1.3
7	☐	10000.000	10013.966	6748737.75	2.7943	A	0.6
8	☐			1011.16	0.0004	P	1.4

y = 2.7904E-004 * x + 3.8689E-005
R = 1.0000
DL = 0.08798
BEC = 0.1387

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	12.22	0.0000	P	56.6
2	☐	5.000	4.897	11660.15	0.0400	P	0.7
3	☐	50.000	50.780	121587.29	0.4140	P	0.7
4	☐	125.000	126.285	295642.99	1.0294	P	0.5
5	☐	250.000	251.595	581209.75	2.0508	P	1.0
6	☐	500.000	502.787	1135638.13	4.0983	P	0.3
7	☐	1000.000	998.008	2265218.70	8.1348	A	1.0
8	☐			528.90	0.0019	P	8.4

y = 0.0082 * x + 4.0894E-005
R = 1.0000
DL = 0.008525
BEC = 0.005017

Weight: <None>
Min Conc: 0

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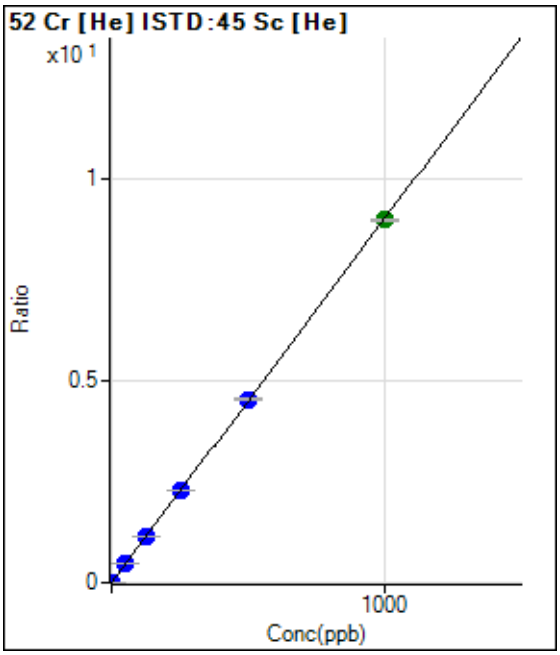
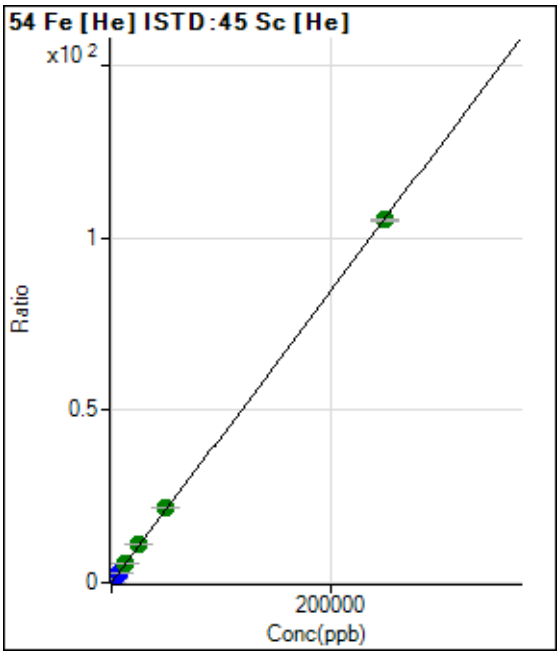


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	615.58	0.0021	P	7.6
2	☐	2.000	2.034	5957.90	0.0204	P	0.3
3	☐	50.000	51.273	136492.00	0.4647	P	0.6
4	☐	125.000	127.489	330970.53	1.1524	P	0.6
5	☐	250.000	252.304	645805.64	2.2786	P	0.2
6	☐	500.000	503.285	1258920.36	4.5432	P	1.1
7	☐	1000.000	997.407	2506612.39	9.0017	A	0.8
8	☐			10108.88	0.0355	P	18.2

y = 0.0090 * x + 0.0021
R = 1.0000
DL = 0.05236
BEC = 0.2285

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1323.41	0.0044	P	2.5
2	☐	50.000	56.009	8194.53	0.0281	P	1.4
3	☐	2500.000	2706.546	337026.92	1.1474	P	0.3
4	☐	6250.000	6734.515	818081.31	2.8485	P	1.0
5	☐	12500.000	12918.027	1547375.51	5.4598	A	1.1
6	☐	25000.000	25863.074	3027762.18	10.9266	A	0.5
7	☐	50000.000	51556.271	6064302.34	21.7771	A	0.3
8	☐	250000.00	249567.35	30049307.05	105.3989	A	0.2

y = 4.2231E-004 * x + 0.0044
R = 1.0000
DL = 0.7913
BEC = 10.49

Weight: <None>
Min Conc: 0

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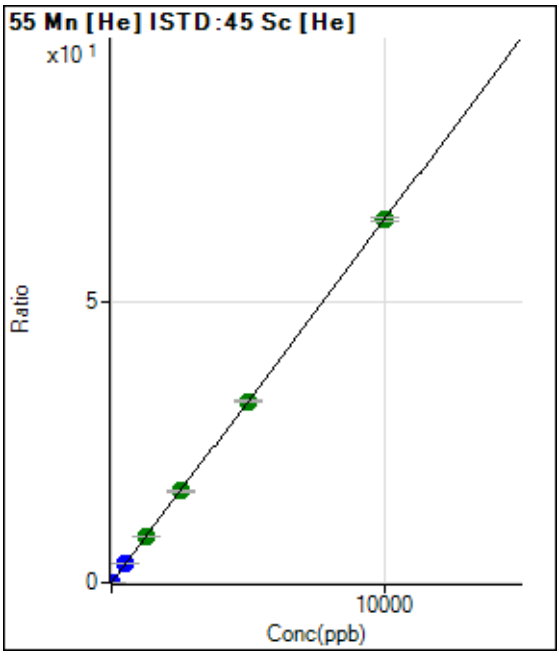
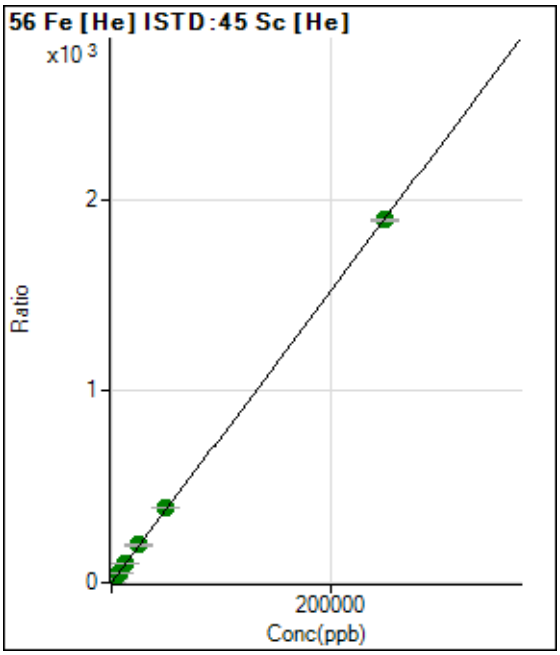


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	333.34	0.0011	P	11.3
2	☐	1.000	1.010	2237.97	0.0077	P	3.0
3	☐	500.000	511.445	975016.44	3.3195	P	0.3
4	☐	1250.000	1254.192	2337434.52	8.1387	A	1.1
5	☐	2500.000	2519.461	4633524.79	16.3482	A	0.6
6	☐	5000.000	5003.850	8996687.09	32.4677	A	1.4
7	☐	10000.000	9992.114	18053171.95	64.8332	A	1.1
8	☐			9626.47	0.0338	P	0.8

y = 0.0065 * x + 0.0011
R = 1.0000
DL = 0.05838
BEC = 0.172

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	10027.87	0.0336	P	2.8
2	☐	50.000	51.577	124093.63	0.4253	P	0.6
3	☐	2500.000	2588.312	5783780.19	19.6912	A	0.6
4	☐	6250.000	6423.228	14020152.01	48.8166	A	0.8
5	☐	12500.000	12859.448	27688229.03	97.6982	A	1.0
6	☐	25000.000	25813.491	54334044.19	196.0813	A	0.8
7	☐	50000.000	51215.810	108324066.1	389.0062	A	1.0
8	☐	250000.00	249652.30	540571396.3	1,896.087	A	0.2

y = 0.0076 * x + 0.0336
R = 1.0000
DL = 0.366
BEC = 4.421

Weight: <None>
Min Conc: 0

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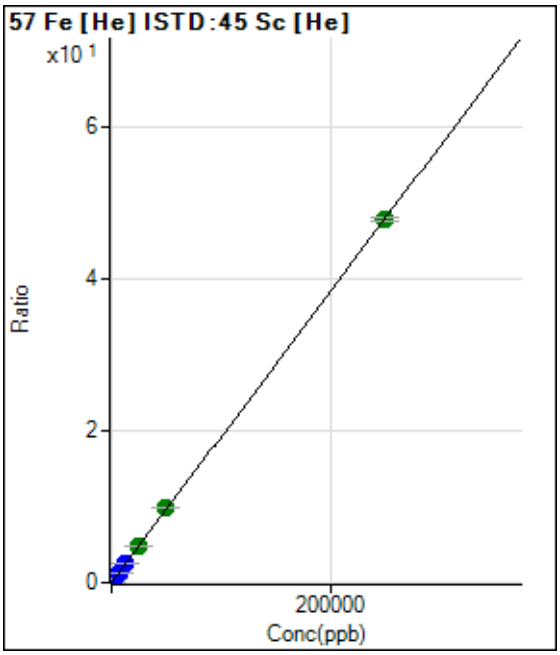
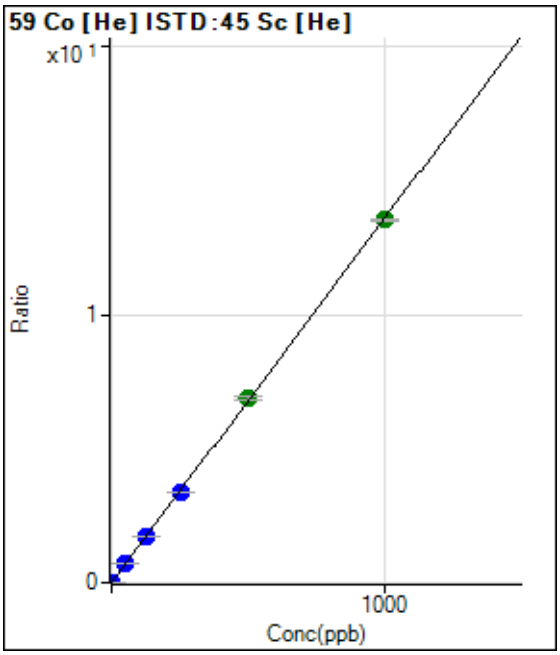


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2871.41	0.0096	P	2.6
2	☐	50.000	55.086	5880.08	0.0202	P	3.5
3	☐	2500.000	2641.124	151235.25	0.5149	P	0.4
4	☐	6250.000	6642.836	367751.94	1.2805	P	1.2
5	☐	12500.000	13196.595	718248.70	2.5343	P	0.7
6	☐	25000.000	25431.835	1350889.78	4.8751	A	0.6
7	☐	50000.000	51111.791	2725592.91	9.7880	A	0.7
8	☐	250000.00	249688.39	13621396.46	47.7783	A	0.9

y = 1.9131E-004 * x + 0.0096
R = 1.0000
DL = 3.88
BEC = 50.25

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	102.22	0.0003	P	13.2
2	☐	1.000	0.994	4039.47	0.0138	P	1.8
3	☐	50.000	50.356	201056.08	0.6845	P	0.2
4	☐	125.000	124.578	486211.69	1.6929	P	0.5
5	☐	250.000	248.529	957051.82	3.3770	P	1.1
6	☐	500.000	508.393	1914039.69	6.9077	A	2.1
7	☐	1000.000	996.206	3769219.29	13.5354	A	0.3
8	☐			10335.86	0.0363	P	3.1

y = 0.0136 * x + 3.4214E-004
R = 0.9999
DL = 0.009994
BEC = 0.02518

Weight: <None>
Min Conc: 0

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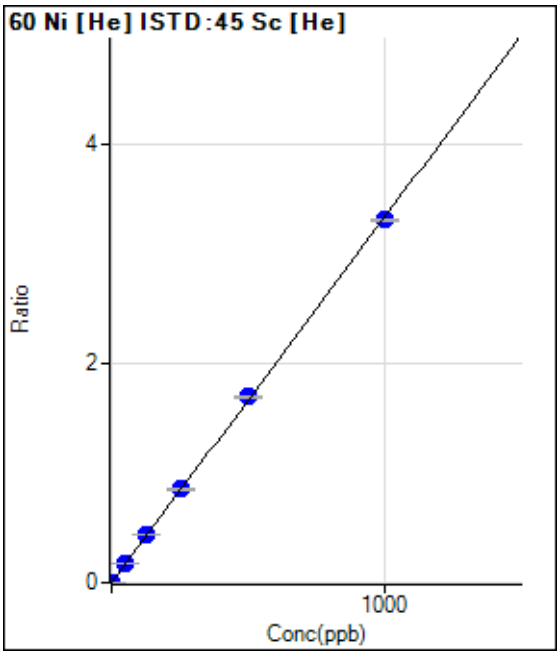
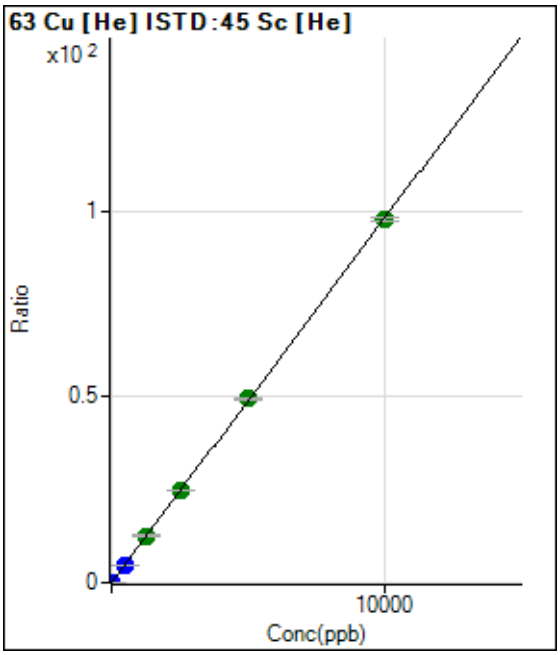


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	91.11	0.0003	P	20.5
2	☐	1.000	1.052	1112.27	0.0038	P	8.3
3	☐	50.000	52.244	51256.15	0.1745	P	0.9
4	☐	125.000	129.622	124219.41	0.4325	P	1.1
5	☐	250.000	255.886	241892.98	0.8535	P	1.2
6	☐	500.000	508.767	470162.04	1.6967	P	1.0
7	☐	1000.000	993.455	922529.61	3.3129	P	0.5
8	☐			4560.74	0.0160	P	2.2

y = 0.0033 * x + 3.0518E-004
R = 0.9999
DL = 0.05632
BEC = 0.09152

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1024.49	0.0034	P	3.6
2	☐	2.000	1.855	6304.72	0.0216	P	2.9
3	☐	500.000	497.722	1433225.05	4.8796	P	0.6
4	☐	1250.000	1292.912	3638868.80	12.6700	A	1.0
5	☐	2500.000	2536.504	7043837.74	24.8534	A	0.5
6	☐	5000.000	5053.174	13718838.27	49.5091	A	0.8
7	☐	10000.000	9959.037	27170125.43	97.5715	A	1.0
8	☐			7430.80	0.0261	P	0.6

y = 0.0098 * x + 0.0034
R = 1.0000
DL = 0.03814
BEC = 0.3501

Weight: <None>
Min Conc: 0

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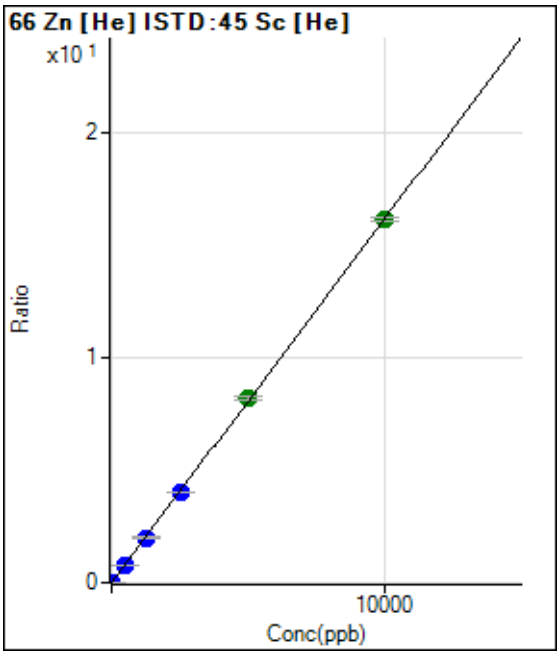
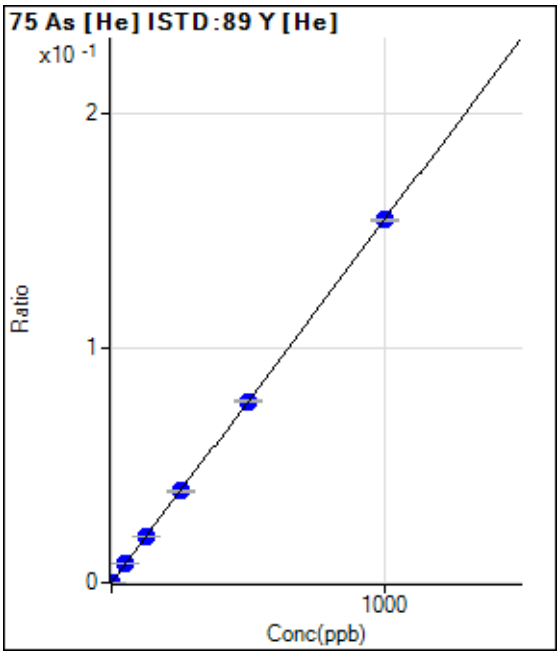


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	374.45	0.0013	P	8.9
2	☐	2.000	4.888	2670.26	0.0092	P	4.0
3	☐	500.000	496.833	236180.09	0.8041	P	0.5
4	☐	1250.000	1239.503	575610.89	2.0042	P	0.6
5	☐	2500.000	2470.637	1131839.28	3.9936	P	0.7
6	☐	5000.000	5055.802	2264125.61	8.1711	A	2.1
7	☐	10000.000	9980.910	4491413.82	16.1297	A	1.1
8	☐			4529.62	0.0159	P	1.1

y = 0.0016 * x + 0.0013
R = 1.0000
DL = 0.2063
BEC = 0.7757

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	7.78	0.0000	P	24.4
2	☐	1.000	1.088	386.68	0.0002	P	16.1
3	☐	50.000	52.605	18194.60	0.0081	P	1.4
4	☐	125.000	126.185	43972.68	0.0195	P	0.6
5	☐	250.000	251.829	86932.54	0.0389	P	1.3
6	☐	500.000	498.913	170415.66	0.0771	P	1.2
7	☐	1000.000	999.808	341951.60	0.1545	P	0.5
8	☐			218.89	0.0001	P	13.7

y = 1.5455E-004 * x + 3.3900E-006
R = 1.0000
DL = 0.01607
BEC = 0.02193

Weight: <None>
Min Conc: 0

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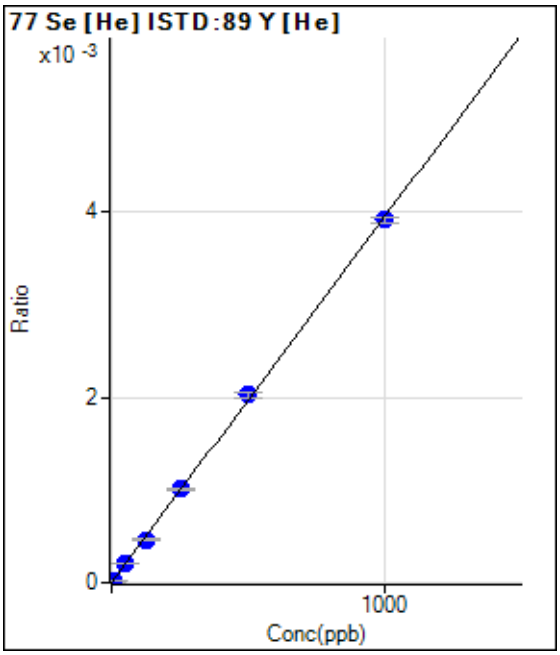
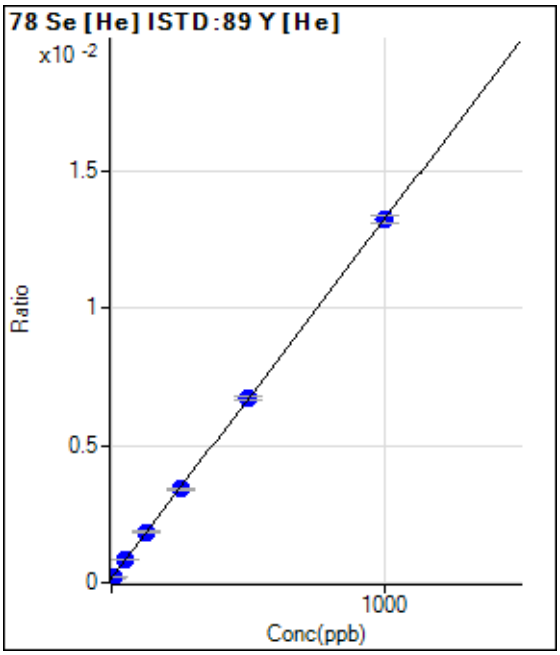


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3.33	0.0000	P	99.7
2	☐	5.000	4.878	46.67	0.0000	P	21.7
3	☐	50.000	52.116	463.34	0.0002	P	4.1
4	☐	125.000	116.993	1044.49	0.0005	P	5.3
5	☐	250.000	256.251	2262.42	0.0010	P	1.4
6	☐	500.000	513.439	4481.83	0.0020	P	2.3
7	☐	1000.000	992.614	8673.73	0.0039	P	1.5
8	☐			1.11	0.0000	P	173.

y = 3.9473E-006 * x + 1.4539E-006
R = 0.9998
DL = 1.101
BEC = 0.3683

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	357.79	0.0002	P	8.6
2	☐	5.000	5.681	518.91	0.0002	P	10.5
3	☐	50.000	52.293	1877.92	0.0008	P	2.9
4	☐	125.000	129.591	4169.52	0.0018	P	3.5
5	☐	250.000	249.577	7634.27	0.0034	P	1.9
6	☐	500.000	502.565	14864.20	0.0067	P	1.7
7	☐	1000.000	998.131	29213.33	0.0132	P	2.2
8	☐			357.79	0.0002	P	6.3

y = 1.3070E-005 * x + 1.5598E-004
R = 1.0000
DL = 3.086
BEC = 11.93

Weight: <None>
Min Conc: 0

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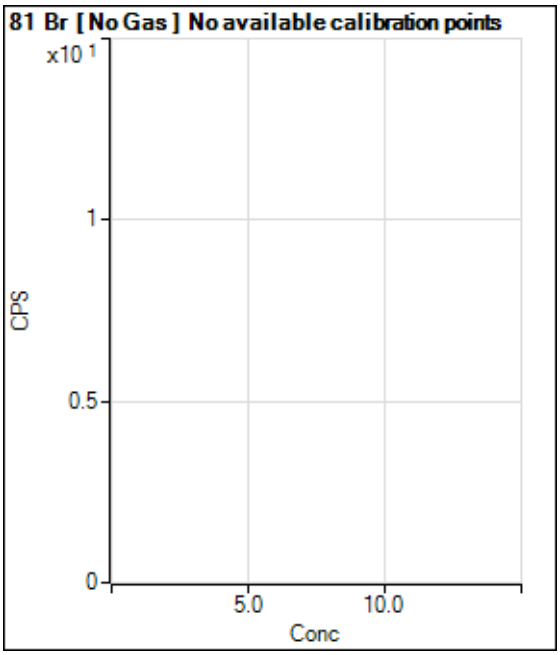
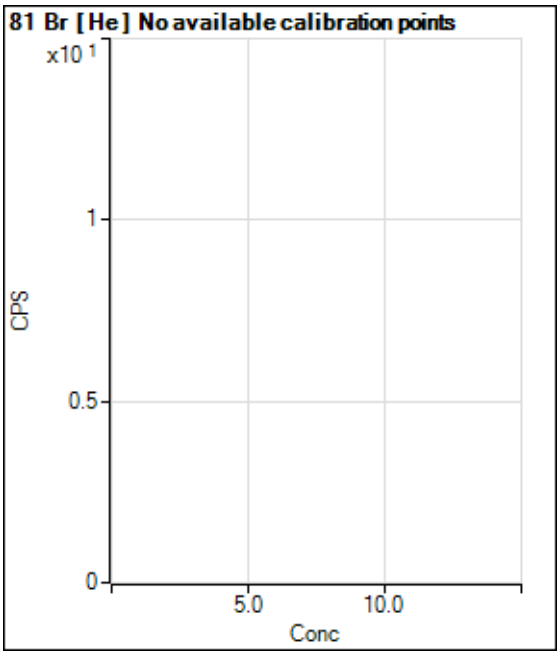


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			5807.86		P	1.9
2	☐			5159.85		P	2.6
3	☐			5058.70		P	2.3
4	☐			5140.93		P	2.7
5	☐			4915.31		P	2.4
6	☐			4938.65		P	1.3
7	☐			4724.14		P	2.0
8	☐			5185.40		P	3.6



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			88.89		P	10.8
2	☐			43.33		P	7.7
3	☐			47.78		P	21.3
4	☐			34.44		P	43.6
5	☐			37.78		P	10.2
6	☐			54.44		P	14.1
7	☐			38.89		P	21.6
8	☐			58.89		P	8.6

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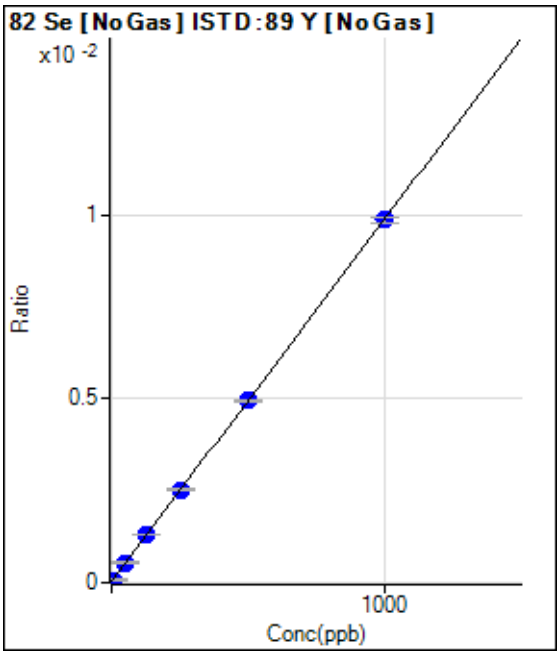
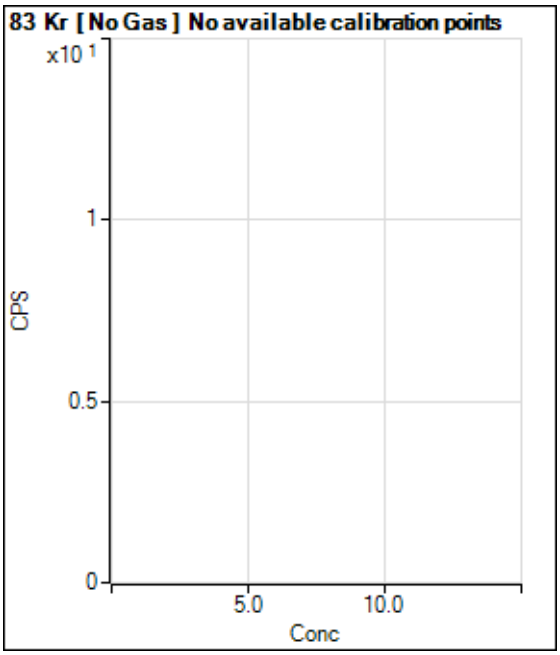


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	240.34	0.0000	P	14.7
2	☐	5.000	4.792	568.99	0.0001	P	8.9
3	☐	50.000	51.787	4029.58	0.0005	P	6.4
4	☐	125.000	129.333	9785.46	0.0013	P	1.2
5	☐	250.000	254.167	19089.31	0.0025	P	2.0
6	☐	500.000	499.892	37618.15	0.0050	P	1.1
7	☐	1000.000	998.382	74680.21	0.0099	P	1.6
8	☐			302.93	0.0000	P	10.5

y = 9.8510E-006 * x + 3.0364E-005
R = 1.0000
DL = 1.357
BEC = 3.082

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			188.89		P	25.2
2	☐			180.00		P	23.6
3	☐			208.89		P	9.1
4	☐			172.23		P	23.3
5	☐			180.00		P	0.0
6	☐			175.56		P	18.0
7	☐			183.34		P	3.6
8	☐			185.56		P	13.2

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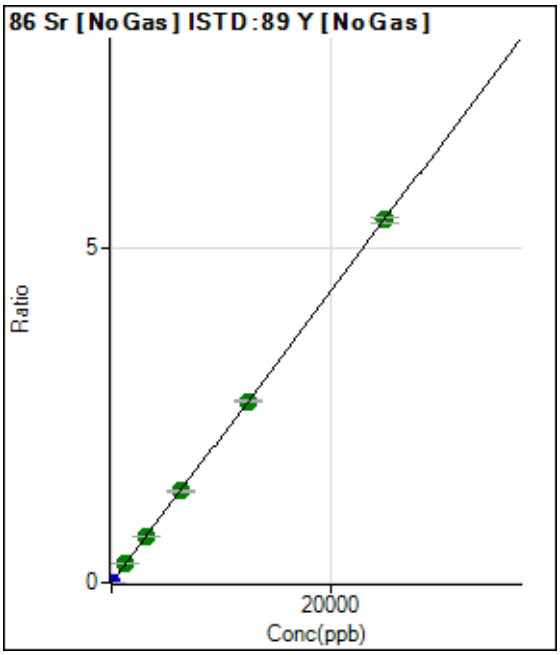
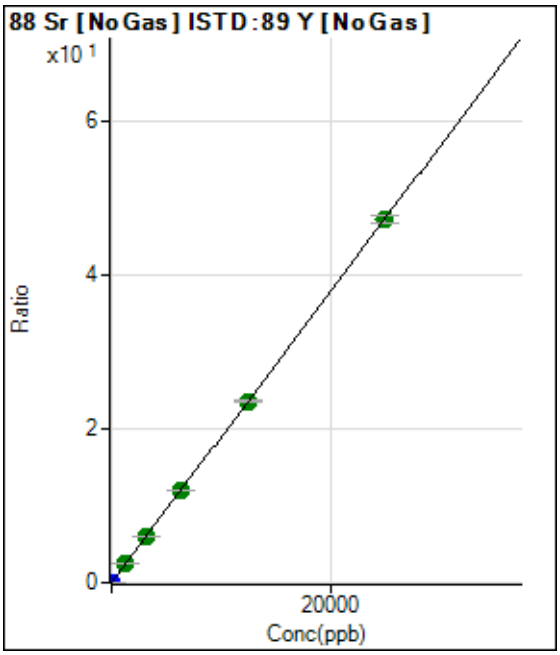


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	332.23	0.0000	P	4.4
2	☐	1.000	0.978	1866.80	0.0003	P	2.5
3	☐	1250.000	1303.068	2111311.81	0.2831	A	2.2
4	☐	3125.000	3148.264	5130040.93	0.6838	A	1.7
5	☐	6250.000	6313.794	10330777.34	1.3714	A	1.3
6	☐	12500.000	12491.051	20599889.97	2.7131	A	1.5
7	☐	25000.000	24982.965	41077031.89	5.4264	A	1.8
8	☐			6889.46	0.0009	P	1.1

y = 2.1720E-004 * x + 4.2026E-005
R = 1.0000
DL = 0.02562
BEC = 0.1935

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	126.67	0.0000	P	25.5
2	☐	1.000	0.969	13565.24	0.0018	P	1.4
3	☐	1250.000	1293.409	18245440.42	2.4465	A	2.9
4	☐	3125.000	3164.327	44899609.33	5.9853	A	0.8
5	☐	6250.000	6321.008	90063799.77	11.9561	A	0.9
6	☐	12500.000	12497.962	179484526.2	23.6396	A	1.3
7	☐	25000.000	24976.180	357605670.2	47.2419	A	2.0
8	☐			57164.07	0.0077	P	3.4

y = 0.0019 * x + 1.6036E-005
R = 1.0000
DL = 0.006497
BEC = 0.008478

Weight: <None>
Min Conc: 0

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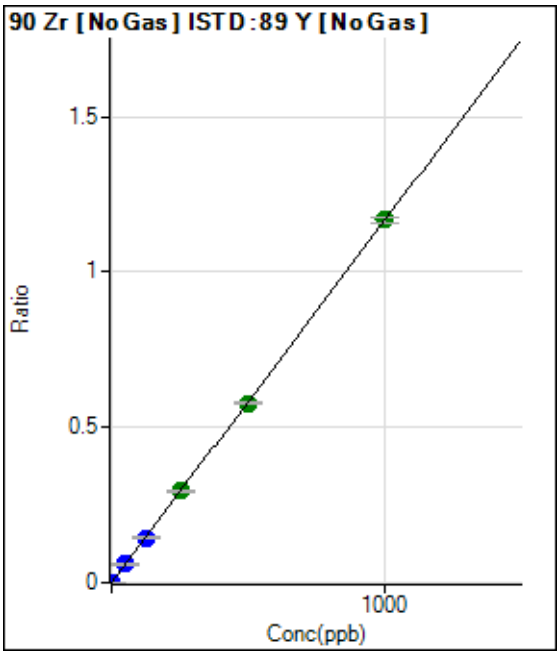
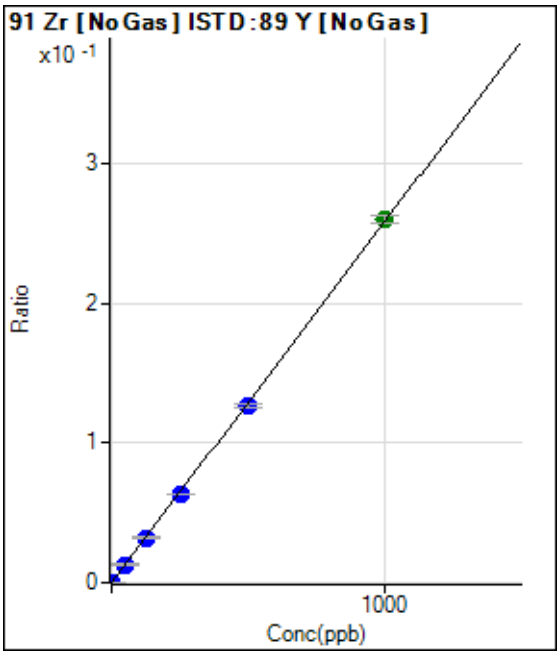


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	256.67	0.0000	P	23.5
2	☐	1.000	0.955	8399.14	0.0011	P	1.3
3	☐	50.000	50.438	438369.35	0.0588	P	3.2
4	☐	125.000	124.051	1084205.47	0.1445	P	1.8
5	☐	250.000	252.577	2216377.73	0.2942	A	0.4
6	☐	500.000	494.691	4375040.42	0.5762	A	1.0
7	☐	1000.000	1002.107	8835744.59	1.1673	A	1.3
8	☐			5000.90	0.0007	P	2.7

y = 0.0012 * x + 3.2405E-005
R = 1.0000
DL = 0.01964
BEC = 0.02782

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	62.22	0.0000	P	17.6
2	☐	1.000	0.978	1912.37	0.0003	P	1.4
3	☐	50.000	50.381	97175.69	0.0130	P	3.3
4	☐	125.000	124.496	241469.34	0.0322	P	2.4
5	☐	250.000	246.067	479188.52	0.0636	P	1.2
6	☐	500.000	491.247	964163.61	0.1270	P	2.3
7	☐	1000.000	1005.404	1967373.15	0.2599	A	2.2
8	☐			1064.50	0.0001	P	5.4

y = 2.5849E-004 * x + 7.8567E-006
R = 0.9999
DL = 0.01605
BEC = 0.03039

Weight: <None>
Min Conc: 0

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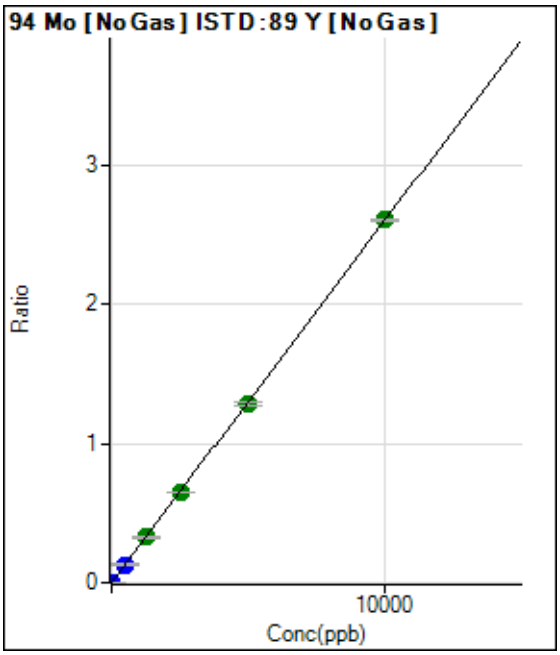
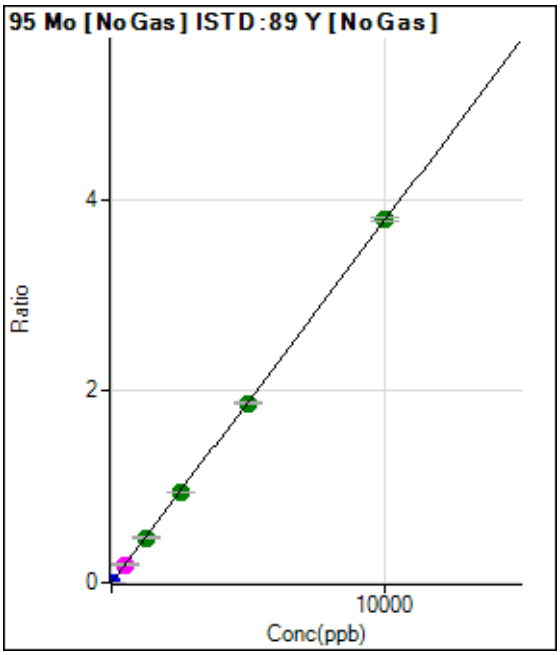


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	112.22	0.0000	P	7.9
2	☐	5.000	5.219	10069.11	0.0014	P	3.6
3	☐	500.000	499.395	969371.76	0.1300	P	3.3
4	☐	1250.000	1249.380	2439458.54	0.3252	A	1.6
5	☐	2500.000	2491.603	4884984.13	0.6485	A	1.2
6	☐	5000.000	4944.191	9769973.74	1.2868	A	1.1
7	☐	10000.000	10030.112	19760201.65	2.6104	A	0.8
8	☐			4499.62	0.0006	P	4.9

y = 2.6026E-004 * x + 1.4206E-005
R = 1.0000
DL = 0.013
BEC = 0.05458

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	41.11	0.0000	P	60.5
2	☐	5.000	4.241	11791.50	0.0016	P	2.1
3	☐	500.000	499.554	1406928.90	0.1887	M	3.3
4	☐	1250.000	1244.213	3524997.24	0.4699	A	1.4
5	☐	2500.000	2488.216	7078360.03	0.9397	A	0.6
6	☐	5000.000	4961.011	14224252.43	1.8735	A	1.7
7	☐	10000.000	10023.186	28652930.68	3.7852	A	0.9
8	☐			4176.20	0.0006	P	2.2

y = 3.7764E-004 * x + 5.2056E-006
R = 1.0000
DL = 0.02501
BEC = 0.01378

Weight: <None>
Min Conc: 0

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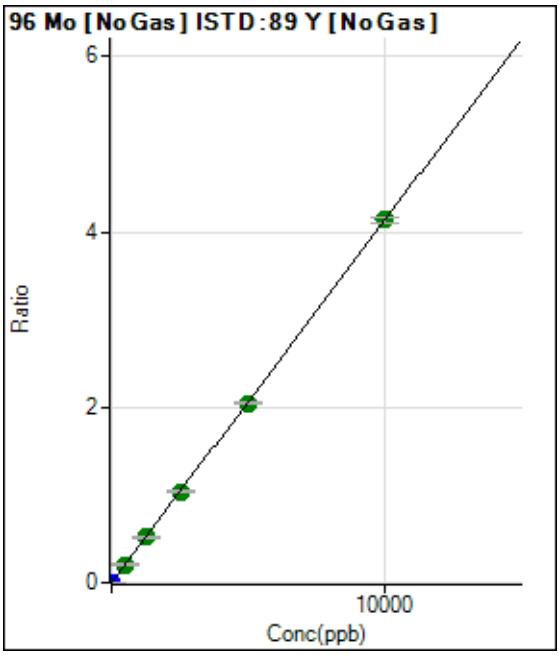
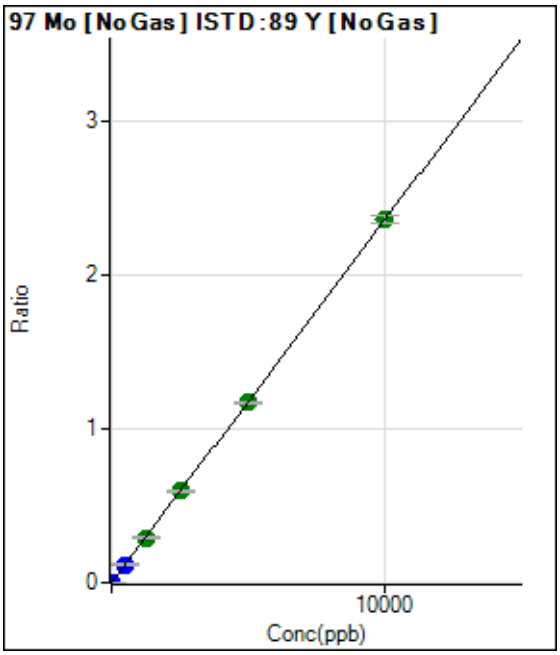


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	51.11	0.0000	P	20.4
2	☐	5.000	4.367	13281.69	0.0018	P	1.4
3	☐	500.000	499.903	1539225.43	0.2064	A	3.7
4	☐	1250.000	1253.064	3881060.43	0.5174	A	2.2
5	☐	2500.000	2502.350	7782444.33	1.0331	A	1.7
6	☐	5000.000	4960.635	15550047.13	2.0481	A	1.5
7	☐	10000.000	10018.717	31312098.15	4.1364	A	1.5
8	☐			8941.70	0.0012	P	2.2

y = 4.1286E-004 * x + 6.4704E-006
R = 1.0000
DL = 0.009589
BEC = 0.01567

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	23.33	0.0000	P	12.8
2	☐	5.000	4.249	7374.15	0.0010	P	1.7
3	☐	500.000	496.419	872906.59	0.1171	P	3.4
4	☐	1250.000	1244.856	2202033.66	0.2935	A	1.7
5	☐	2500.000	2522.169	4479846.84	0.5947	A	1.9
6	☐	5000.000	4964.705	8887557.30	1.1706	A	2.0
7	☐	10000.000	10012.927	17872919.45	2.3609	A	2.0
8	☐			2560.25	0.0003	P	0.9

y = 2.3579E-004 * x + 2.9470E-006
R = 1.0000
DL = 0.004783
BEC = 0.0125

Weight: <None>
Min Conc: 0

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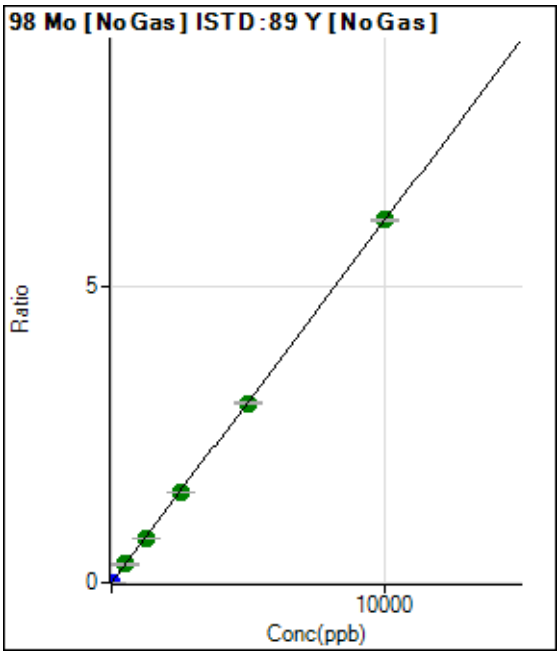
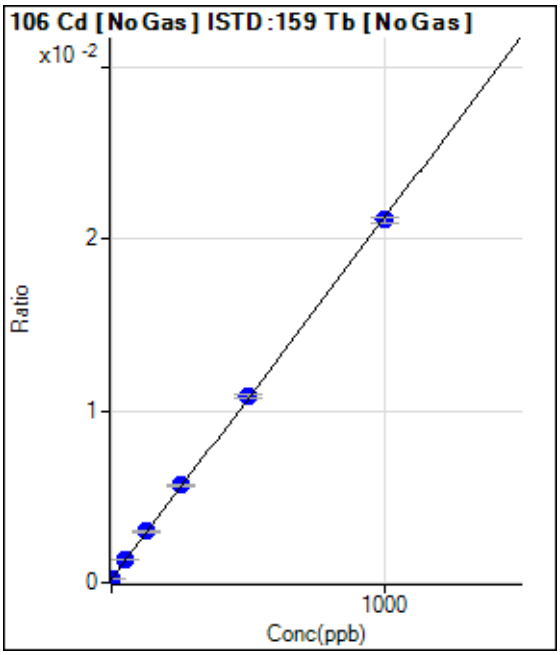


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	62.22	0.0000	P	4.4
2	☐	5.000	4.201	18937.92	0.0026	P	1.7
3	☐	500.000	505.132	2306928.19	0.3094	A	3.9
4	☐	1250.000	1241.899	5705742.21	0.7606	A	1.0
5	☐	2500.000	2498.870	11528226.08	1.5304	A	1.4
6	☐	5000.000	4953.504	23033214.94	3.0337	A	1.2
7	☐	10000.000	10024.287	46472974.31	6.1391	A	0.7
8	☐			6331.44	0.0009	P	3.5

y = 6.1243E-004 * x + 7.8723E-006
R = 1.0000
DL = 0.00169
BEC = 0.01285

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1175.61	0.0002	P	3.7
2	☐	1.000	1.274	1244.51	0.0002	P	2.7
3	☐	50.000	54.679	7330.80	0.0014	P	1.8
4	☐	125.000	131.888	16660.78	0.0030	P	1.8
5	☐	250.000	260.366	32607.77	0.0057	P	1.6
6	☐	500.000	506.143	63435.42	0.0108	P	1.9
7	☐	1000.000	993.242	125972.90	0.0211	P	1.6
8	☐			1160.06	0.0002	P	5.1

y = 2.1020E-005 * x + 2.0388E-004
R = 0.9999
DL = 1.066
BEC = 9.699

Weight: <None>
Min Conc: 0

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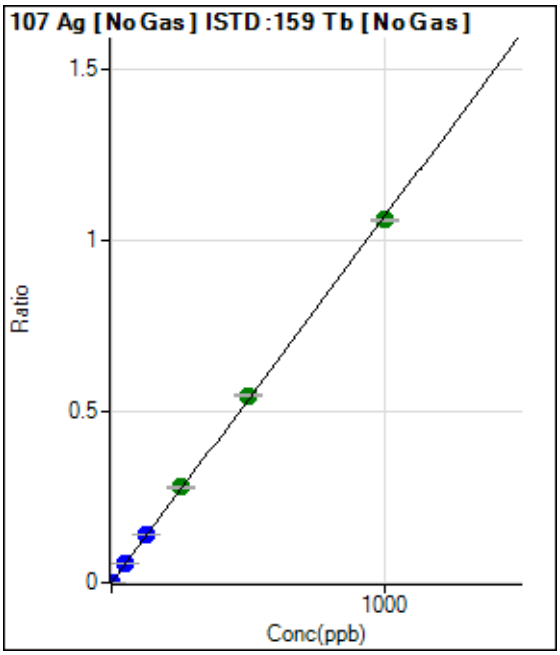
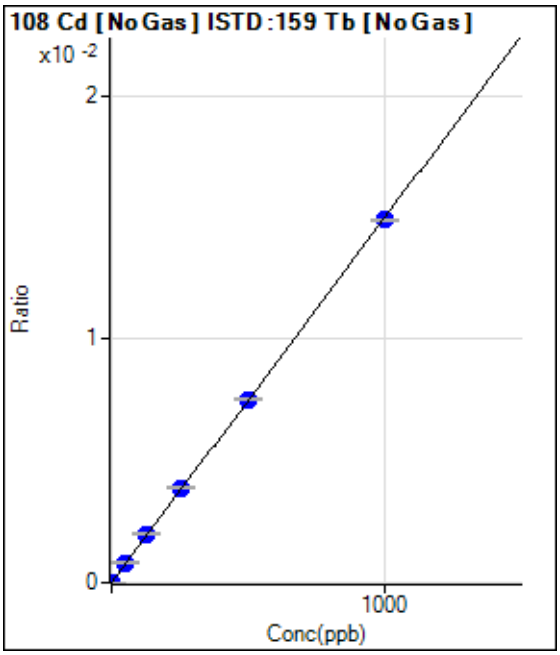
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	35.55	0.0000	P	17.3
2	☐	1.000	0.948	5506.64	0.0010	P	3.5
3	☐	50.000	54.088	313526.41	0.0579	P	2.5
4	☐	125.000	130.028	778933.78	0.1391	P	0.2
5	☐	250.000	261.340	1606311.04	0.2796	A	2.0
6	☐	500.000	510.648	3196356.69	0.5464	A	0.8
7	☐	1000.000	991.008	6335866.15	1.0604	A	0.6
8	☐			754.47	0.0001	P	18.4

y = 0.0011 * x + 6.1518E-006
R = 0.9998
DL = 0.00298
BEC = 0.005749

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	12.22	0.0000	P	33.3
2	☐	1.000	1.013	93.34	0.0000	P	7.1
3	☐	50.000	54.876	4465.18	0.0008	P	7.4
4	☐	125.000	132.616	11136.59	0.0020	P	4.4
5	☐	250.000	259.688	22358.44	0.0039	P	2.4
6	☐	500.000	503.127	44106.80	0.0075	P	0.7
7	☐	1000.000	994.819	89066.76	0.0149	P	0.3
8	☐			48.89	0.0000	P	35.9

y = 1.4982E-005 * x + 2.1279E-006
R = 0.9999
DL = 0.1418
BEC = 0.142

Weight: <None>
Min Conc: 0

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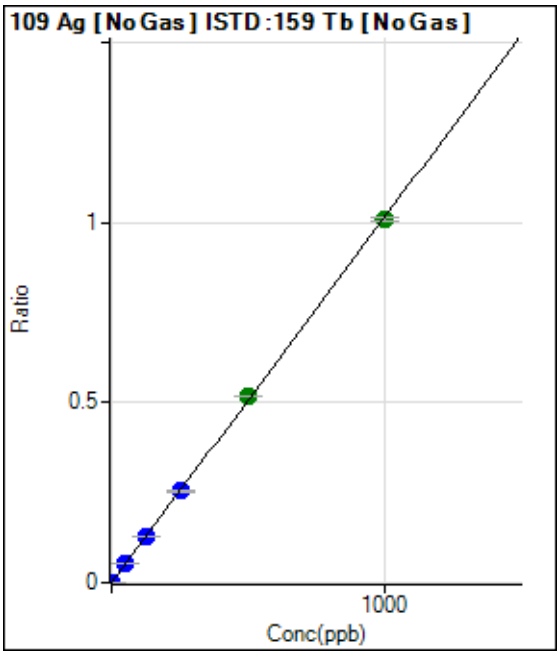
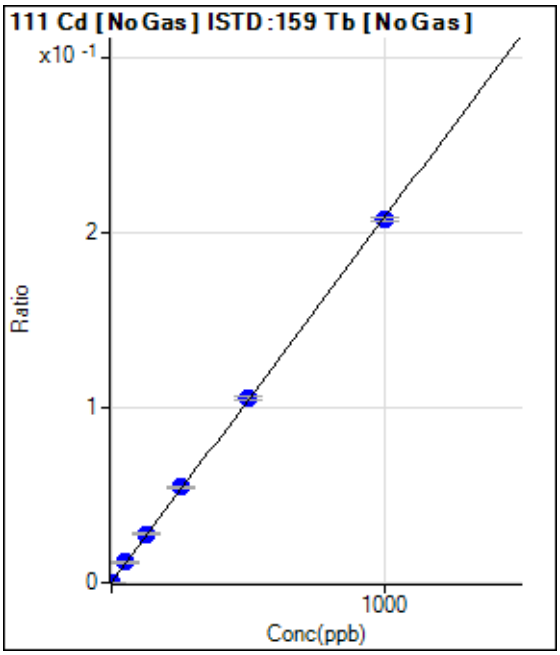
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	20.00	0.0000	P	74.5
2	☐	1.000	0.971	5341.03	0.0010	P	5.4
3	☐	50.000	53.310	293273.14	0.0541	P	2.5
4	☐	125.000	128.193	728832.44	0.1302	P	0.7
5	☐	250.000	250.876	1463380.64	0.2548	P	1.2
6	☐	500.000	511.570	3039017.49	0.5195	A	0.1
7	☐	1000.000	993.432	6027972.48	1.0088	A	1.0
8	☐			710.03	0.0001	P	12.9

y = 0.0010 * x + 3.4409E-006
R = 0.9999
DL = 0.007568
BEC = 0.003388

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	821.04	0.0001	P	3.9
2	☐	1.000	1.067	1966.99	0.0004	P	3.8
3	☐	50.000	54.675	62465.86	0.0115	P	2.1
4	☐	125.000	133.215	156158.77	0.0279	P	1.5
5	☐	250.000	260.521	312533.94	0.0544	P	1.3
6	☐	500.000	505.616	616980.42	0.1055	P	1.4
7	☐	1000.000	993.301	1237177.90	0.2071	P	1.1
8	☐			1036.71	0.0002	P	6.9

y = 2.0830E-004 * x + 1.4238E-004
R = 0.9999
DL = 0.08075
BEC = 0.6835

Weight: <None>
Min Conc: 0

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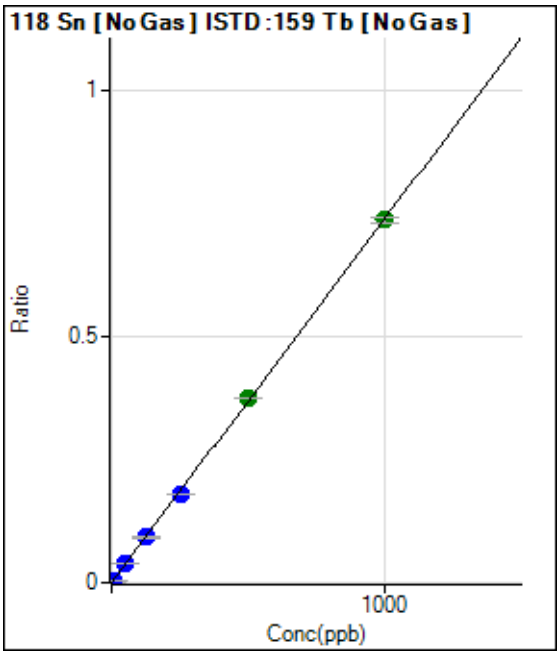
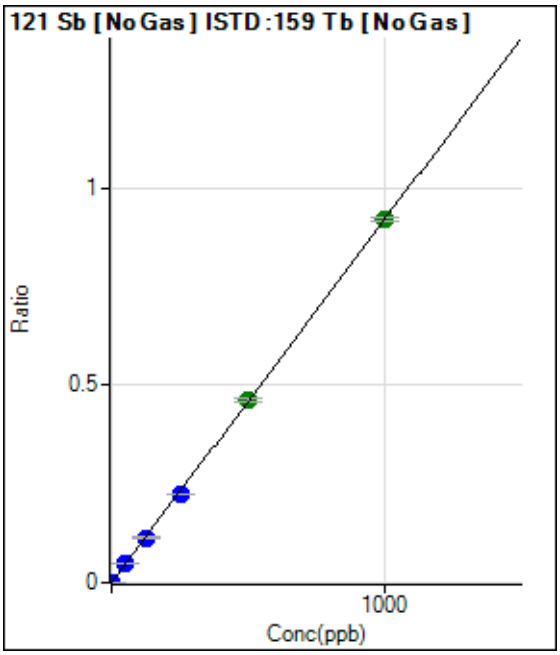


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	925.59	0.0002	P	2.8
2	☐	5.000	4.604	19205.10	0.0036	P	1.5
3	☐	50.000	51.392	206378.61	0.0381	P	2.2
4	☐	125.000	124.278	514534.07	0.0919	P	1.3
5	☐	250.000	242.627	1029763.24	0.1793	P	1.3
6	☐	500.000	507.602	2193033.89	0.3749	A	0.7
7	☐	1000.000	998.065	4403423.27	0.7369	A	1.4
8	☐			3355.99	0.0006	P	2.9

y = 7.3821E-004 * x + 1.6048E-004
R = 0.9999
DL = 0.01849
BEC = 0.2174

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	33.33	0.0000	P	26.7
2	☐	2.000	1.909	9493.20	0.0018	P	2.5
3	☐	50.000	51.248	255025.15	0.0471	P	2.5
4	☐	125.000	124.159	638515.95	0.1140	P	0.8
5	☐	250.000	243.860	1286670.08	0.2240	P	1.7
6	☐	500.000	503.882	2707510.86	0.4628	A	1.6
7	☐	1000.000	999.637	5486325.20	0.9182	A	1.0
8	☐			4392.93	0.0007	P	6.7

y = 9.1850E-004 * x + 5.7840E-006
R = 1.0000
DL = 0.005049
BEC = 0.006297

Weight: <None>
Min Conc: 0

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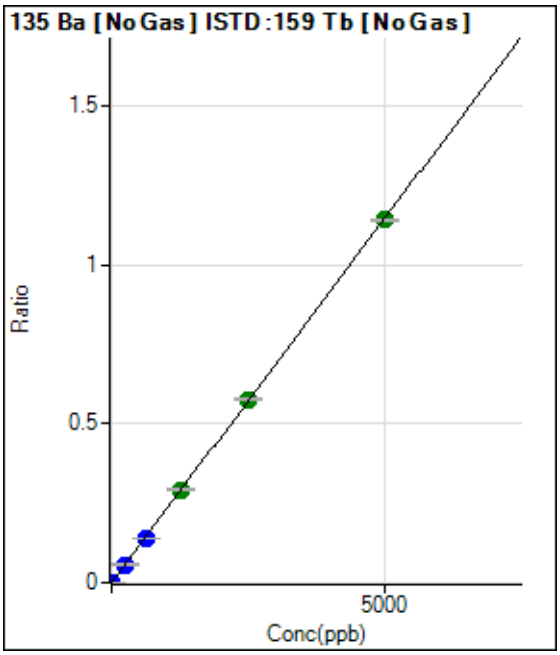
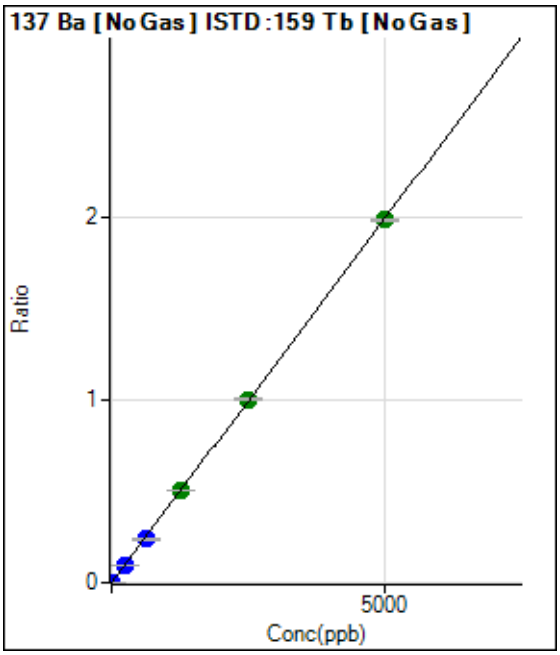


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	45.55	0.0000	P	15.4
2	☐	10.000	9.136	11329.03	0.0021	P	1.5
3	☐	250.000	248.899	308741.32	0.0570	P	2.3
4	☐	625.000	606.774	777828.15	0.1389	P	0.7
5	☐	1250.000	1274.764	1676678.35	0.2919	A	1.2
6	☐	2500.000	2522.257	3378321.97	0.5775	A	0.9
7	☐	5000.000	4985.015	6819706.56	1.1413	A	0.2
8	☐			2845.87	0.0005	P	7.5

y = 2.2895E-004 * x + 7.9033E-006
R = 1.0000
DL = 0.01595
BEC = 0.03452

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	67.78	0.0000	P	21.5
2	☐	10.000	9.079	19516.82	0.0036	P	0.4
3	☐	250.000	246.907	531190.91	0.0981	P	2.5
4	☐	625.000	596.045	1325189.32	0.2367	P	0.6
5	☐	1250.000	1264.064	2883426.42	0.5020	A	1.0
6	☐	2500.000	2523.529	5862239.08	1.0021	A	0.5
7	☐	5000.000	4988.495	11836299.82	1.9809	A	0.4
8	☐			4861.98	0.0008	P	2.5

y = 3.9710E-004 * x + 1.1732E-005
R = 1.0000
DL = 0.01901
BEC = 0.02955

Weight: <None>
Min Conc: 0

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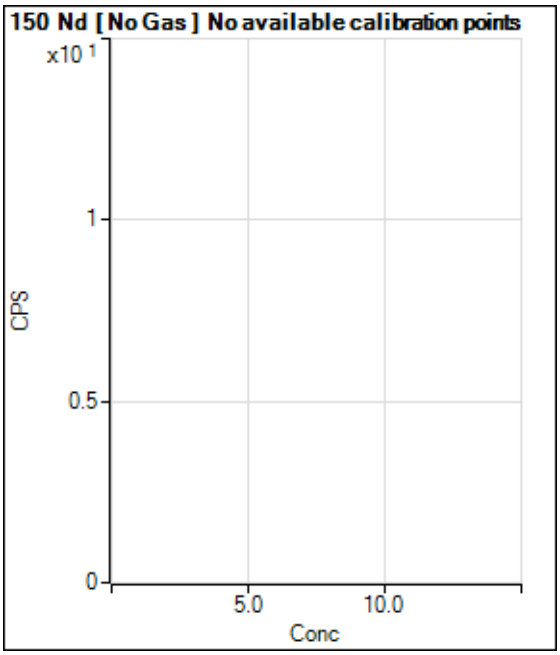
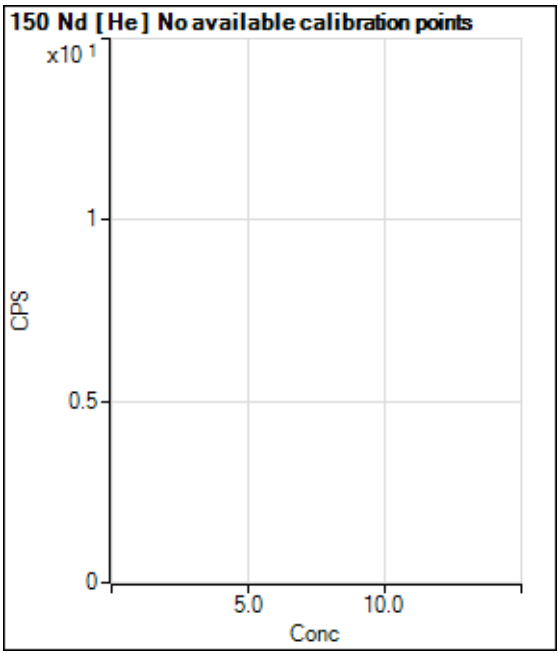


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			3.33		P	173.
2	☐			6.67		P	50.0
3	☐			14.44		P	35.3
4	☐			36.67		P	9.1
5	☐			45.55		P	15.2
6	☐			108.89		P	12.4
7	☐			212.23		P	10.2
8	☐			105.56		P	18.0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			4.44		P	173.
2	☐			4.45		P	86.6
3	☐			3.33		P	100.
4	☐			6.67		P	50.0
5	☐			15.56		P	32.7
6	☐			32.22		P	31.6
7	☐			62.22		P	55.0
8	☐			65.56		P	30.6

Reviewed By:Mohan
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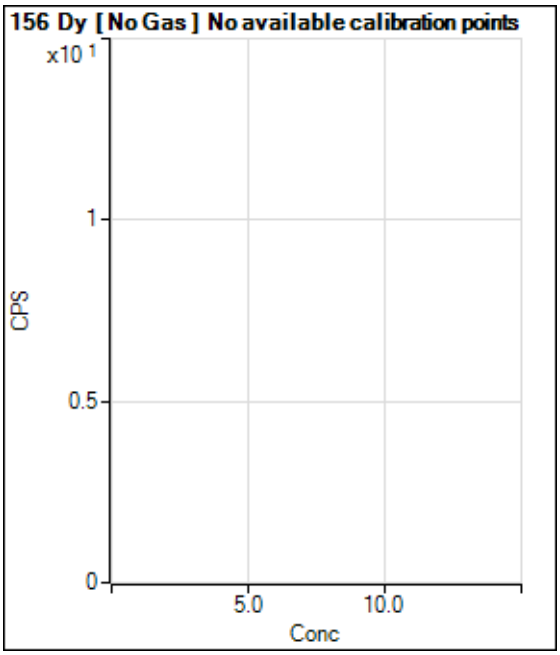
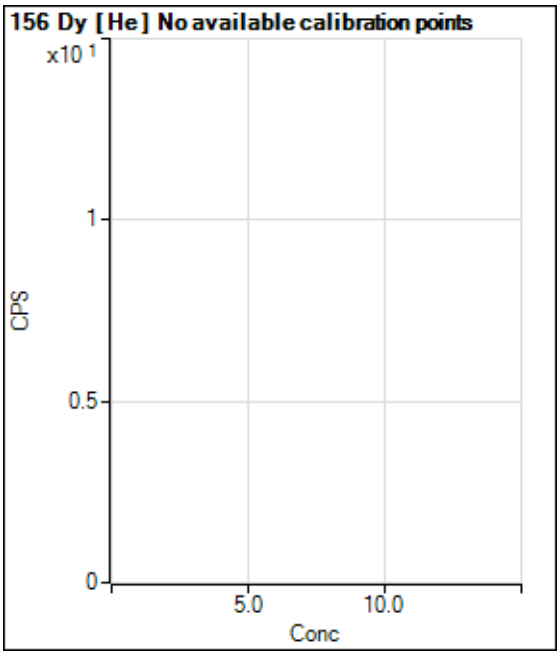
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			277.78		P	12.3
2	☐			246.67		P	18.7
3	☐			230.00		P	10.4
4	☐			232.22		P	15.8
5	☐			244.45		P	9.3
6	☐			272.23		P	1.4
7	☐			354.45		P	10.6
8	☐			418.90		P	7.6



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			86.67		P	21.4
2	☐			75.56		P	13.5
3	☐			65.56		P	15.5
4	☐			105.56		P	24.1
5	☐			141.11		P	15.4
6	☐			213.34		P	13.4
7	☐			400.01		P	11.7
8	☐			221.12		P	9.6

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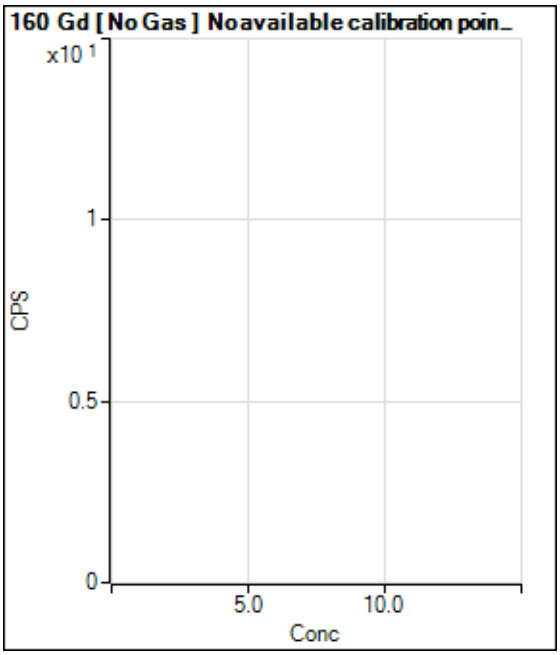

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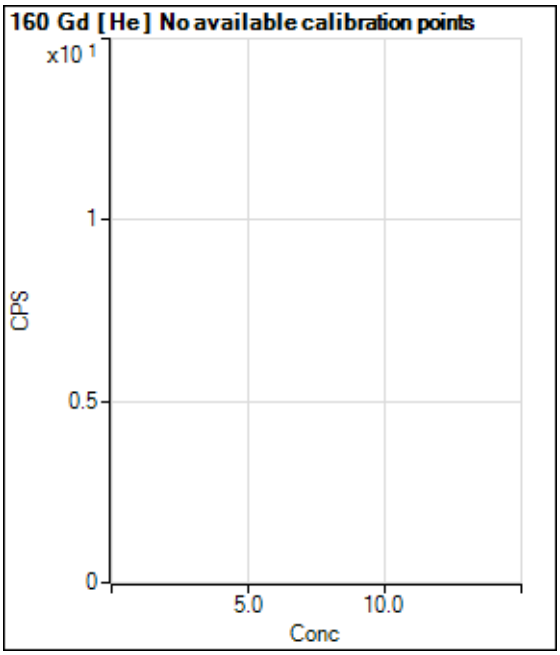
1	☐			23.33		P	37.8
2	☐			27.78		P	25.0
3	☐			24.44		P	20.8
4	☐			35.56		P	5.4
5	☐			41.11		P	32.8
6	☐			48.89		P	25.8
7	☐			82.22		P	13.0
8	☐			175.56		P	2.9



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			171.11		P	16.6
2	☐			145.56		P	13.0
3	☐			165.56		P	10.1
4	☐			150.00		P	22.6
5	☐			160.00		P	6.3
6	☐			166.67		P	10.4
7	☐			200.01		P	18.9
8	☐			255.56		P	5.3

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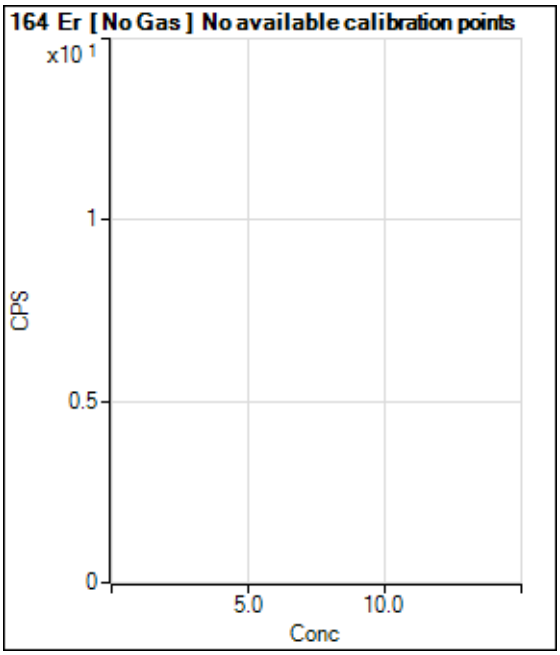
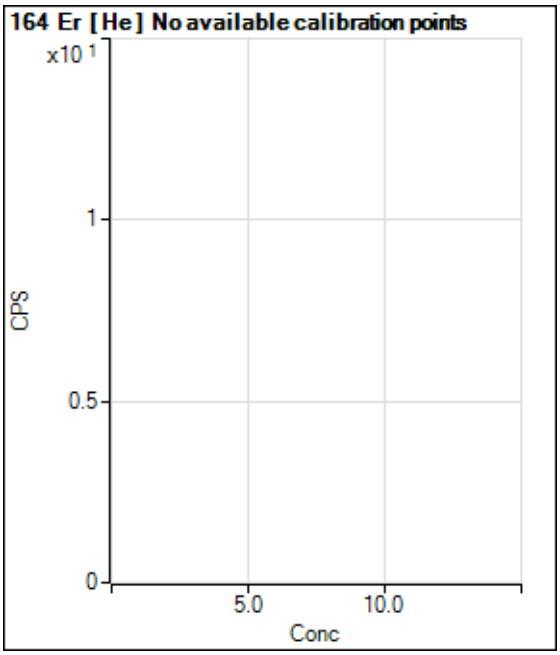
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			33.33		P	20.0
2	☐			41.11		P	16.9
3	☐			34.44		P	14.8
4	☐			41.11		P	38.3
5	☐			50.00		P	30.5
6	☐			48.89		P	10.4
7	☐			92.22		P	2.1
8	☐			247.78		P	18.2



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			28.89		P	46.6
2	☐			18.89		P	62.0
3	☐			28.89		P	37.1
4	☐			32.22		P	57.0
5	☐			28.89		P	40.5
6	☐			47.78		P	49.5
7	☐			57.78		P	32.8
8	☐			162.23		P	31.4

Reviewed By:Mohan
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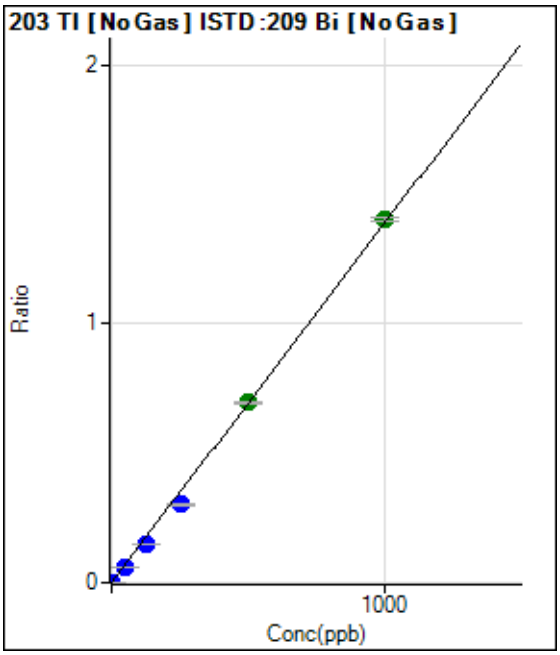
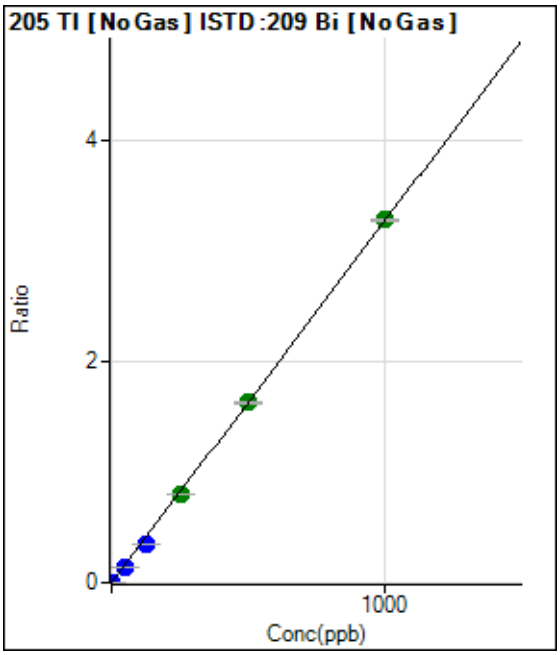
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	54.44	0.0000	P	33.8
2	☐	1.000	0.844	3780.56	0.0012	P	0.3
3	☐	50.000	44.559	198372.86	0.0619	P	0.8
4	☐	125.000	107.925	502360.71	0.1498	P	1.1
5	☐	250.000	217.644	1035789.50	0.3021	P	1.2
6	☐	500.000	501.493	2433380.78	0.6960	A	1.0
7	☐	1000.000	1009.749	5016517.46	1.4014	A	1.1
8	☐			701.14	0.0002	P	5.7

y = 0.0014 * x + 1.6327E-005
R = 0.9994
DL = 0.01195
BEC = 0.01176

Weight: <None>
Min Conc: 0

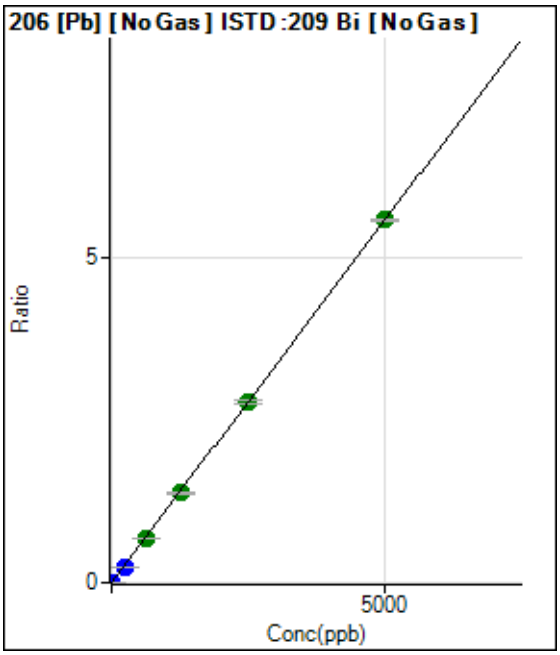


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	152.22	0.0000	P	2.9
2	☐	1.000	0.813	8611.70	0.0027	P	3.5
3	☐	50.000	44.493	467125.36	0.1456	P	1.1
4	☐	125.000	107.727	1182408.09	0.3526	P	1.2
5	☐	250.000	244.938	2748699.45	0.8016	A	1.3
6	☐	500.000	498.375	5701960.26	1.6310	A	0.6
7	☐	1000.000	1004.512	11767789.96	3.2873	A	0.2
8	☐			1585.67	0.0005	P	7.3

y = 0.0033 * x + 4.5726E-005
R = 0.9999
DL = 0.001215
BEC = 0.01397

Weight: <None>
Min Conc: 0

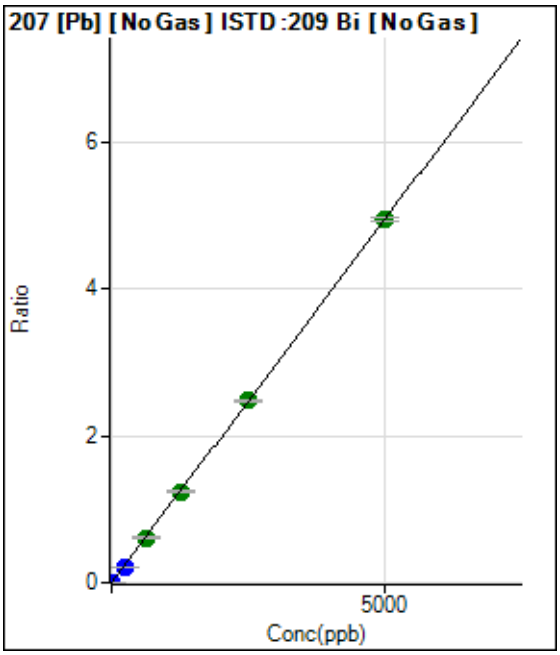
Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	157.78	0.0000	P	19.2
2	☐	1.000	0.839	3122.61	0.0010	P	3.0
3	☐	250.000	222.769	795275.72	0.2480	P	1.4
4	☐	625.000	612.377	2285817.17	0.6816	A	1.8
5	☐	1250.000	1236.029	4717404.58	1.3757	A	2.2
6	☐	2500.000	2493.441	9702021.24	2.7751	A	1.5
7	☐	5000.000	5009.712	19959209.42	5.5756	A	0.8
8	☐			3963.96	0.0012	P	3.8

y = 0.0011 * x + 4.7547E-005
R = 1.0000
DL = 0.02454
BEC = 0.04272

Weight: <None>
Min Conc: 0

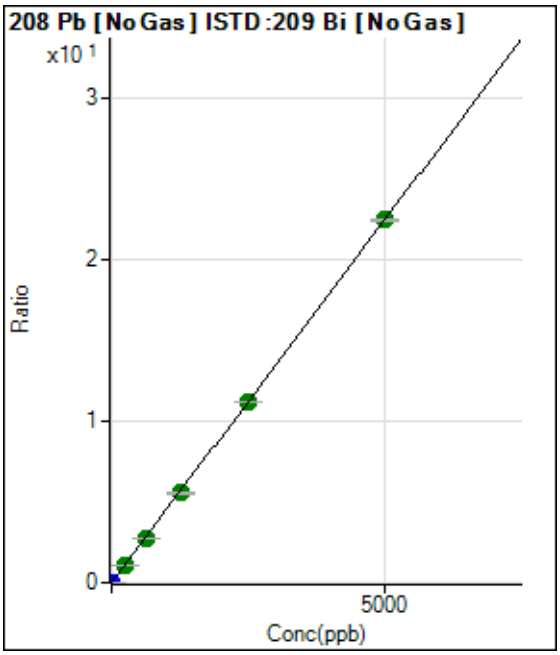


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	165.56	0.0000	P	13.5
2	☐	1.000	0.797	2669.17	0.0008	P	1.5
3	☐	250.000	222.334	705505.78	0.2200	P	0.7
4	☐	625.000	620.197	2057529.52	0.6135	A	1.1
5	☐	1250.000	1249.088	4237029.42	1.2356	A	2.2
6	☐	2500.000	2505.123	8663195.63	2.4781	A	0.9
7	☐	5000.000	4999.650	17704098.07	4.9456	A	1.1
8	☐			3469.36	0.0010	P	6.3

y = 9.8918E-004 * x + 4.9802E-005
R = 1.0000
DL = 0.02036
BEC = 0.05035

Weight: <None>
Min Conc: 0

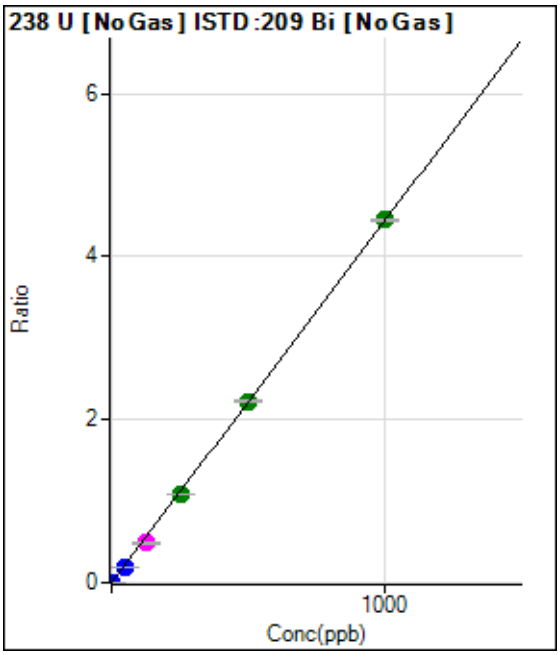
Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	691.13	0.0002	P	12.7
2	☐	1.000	0.825	12432.36	0.0039	P	0.1
3	☐	250.000	239.072	3438065.11	1.0720	A	1.5
4	☐	625.000	619.246	9310897.00	2.7764	A	0.9
5	☐	1250.000	1240.071	19064208.57	5.5597	A	1.4
6	☐	2500.000	2496.352	39125540.18	11.1919	A	0.4
7	☐	5000.000	5005.572	80335967.97	22.4413	A	0.6
8	☐			15612.52	0.0047	P	3.2

y = 0.0045 * x + 2.0806E-004
R = 1.0000
DL = 0.01762
BEC = 0.04641

Weight: <None>
Min Conc: 0

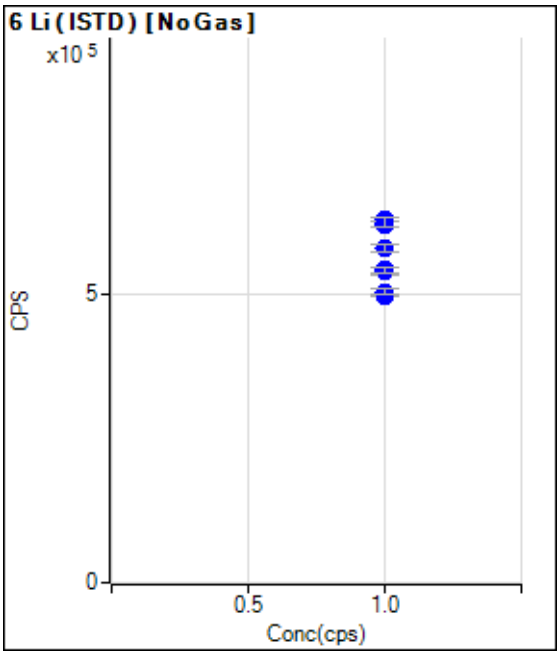


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	21.11	0.0000	P	71.6
2	☐	1.000	0.788	11138.09	0.0035	P	2.0
3	☐	50.000	42.528	604713.62	0.1886	P	0.8
4	☐	125.000	109.370	1626499.54	0.4849	M	8.1
5	☐	250.000	244.554	3717841.51	1.0843	A	1.0
6	☐	500.000	500.278	7754923.29	2.2181	A	1.0
7	☐	1000.000	1003.550	15928064.34	4.4494	A	0.5
8	☐			842.26	0.0003	P	10.5

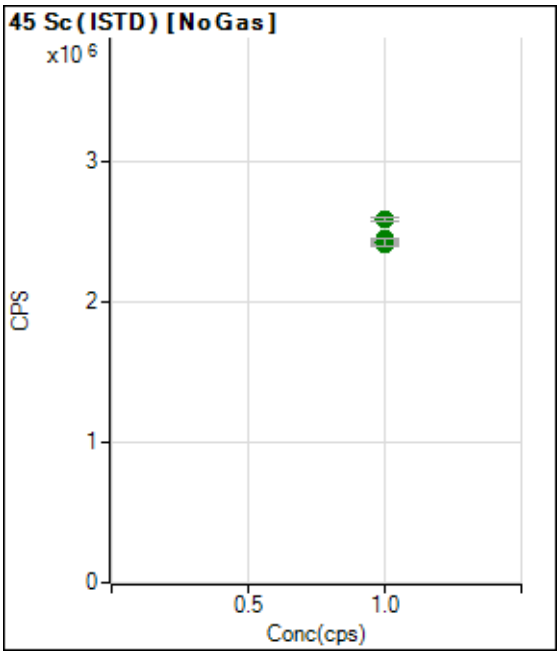
y = 0.0044 * x + 6.3254E-006
R = 0.9999
DL = 0.003065
BEC = 0.001427

Weight: <None>
Min Conc: 0

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		539485.65		P	2.1
2	☐	1.000		497389.69		P	0.8
3	☐	1.000		503241.04		P	2.0
4	☐	1.000		541886.31		P	2.0
5	☐	1.000		578717.97		P	2.5
6	☐	1.000		620672.86		P	1.6
7	☐	1.000		628274.63		P	0.9
8	☐	1.000		623210.00		P	2.5



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2588558.59		A	1.1
2	☐	1.000		2438795.66		A	1.4
3	☐	1.000		2418835.07		A	2.0
4	☐	1.000		2431653.19		A	0.6
5	☐	1.000		2450441.32		A	0.4
6	☐	1.000		2430083.61		A	1.2
7	☐	1.000		2415107.29		A	0.4
8	☐	1.000		2430004.20		A	2.2

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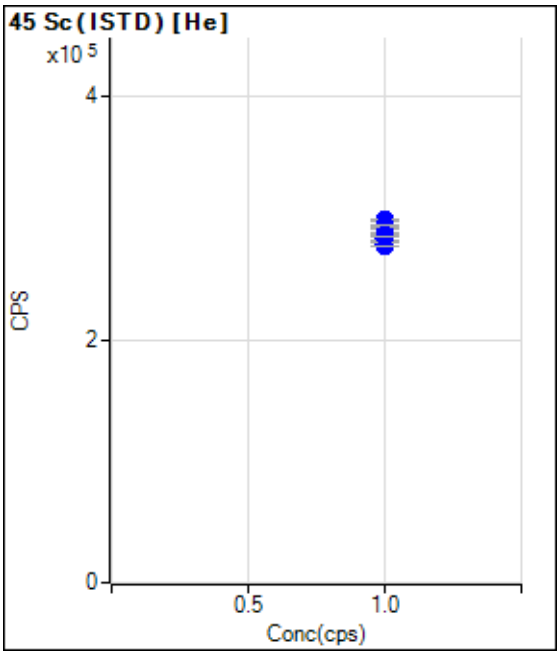

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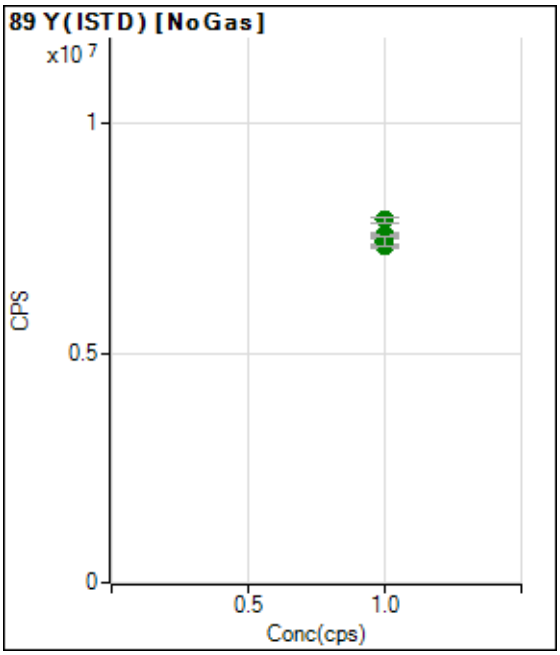
1	☐	1.000		298677.21		P	0.5
2	☐	1.000		291790.60		P	0.3
3	☐	1.000		293721.91		P	0.3
4	☐	1.000		287203.47		P	0.2
5	☐	1.000		283425.18		P	1.1
6	☐	1.000		277102.94		P	0.4
7	☐	1.000		278474.99		P	0.9
8	☐	1.000		285099.50		P	0.3



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		7907013.36		A	1.7
2	☐	1.000		7338513.71		A	1.4
3	☐	1.000		7460398.29		A	1.8
4	☐	1.000		7501837.95		A	0.5
5	☐	1.000		7532953.08		A	0.3
6	☐	1.000		7592509.75		A	0.8
7	☐	1.000		7569790.09		A	0.8
8	☐	1.000		7436668.08		A	2.5

Reviewed By:Mohan
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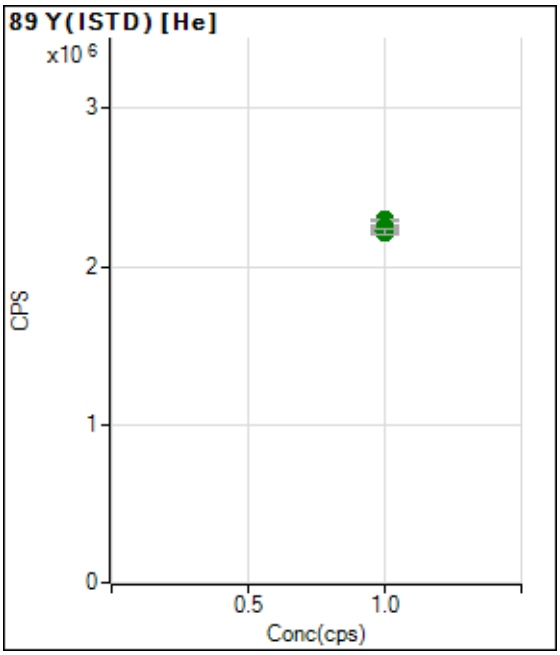

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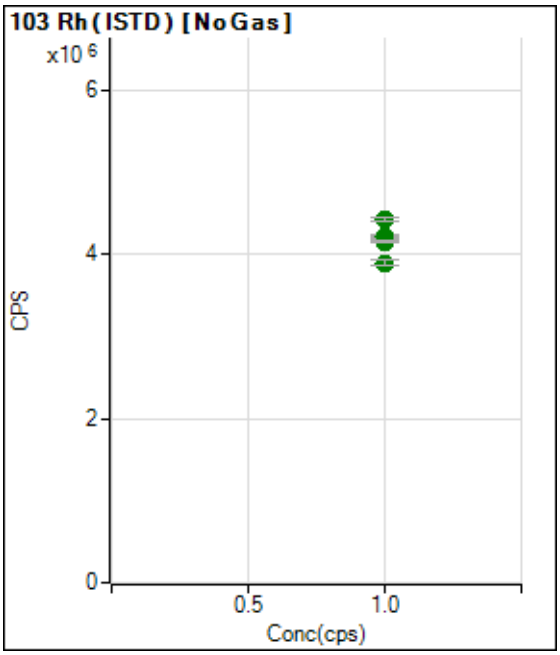
1	☐	1.000		2294071.72		A	0.7
2	☐	1.000		2254273.14		A	0.3
3	☐	1.000		2237096.25		A	0.9
4	☐	1.000		2254398.13		A	0.7
5	☐	1.000		2233433.75		A	0.6
6	☐	1.000		2210192.52		A	1.3
7	☐	1.000		2212893.23		A	0.3
8	☐	1.000		2223451.48		A	1.6



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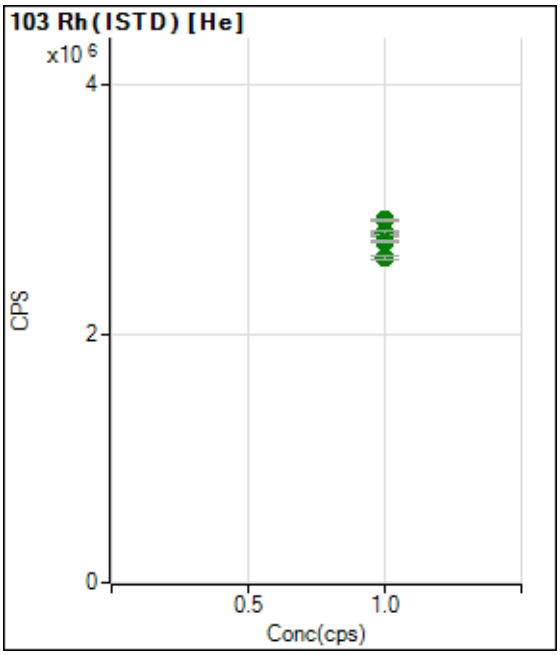
1	☐	1.000		4422860.49		A	1.0
2	☐	1.000		4205904.91		A	0.8
3	☐	1.000		4195921.78		A	1.1
4	☐	1.000		4205536.43		A	0.9
5	☐	1.000		4218010.95		A	1.3
6	☐	1.000		4187827.68		A	0.5
7	☐	1.000		4151082.58		A	0.5
8	☐	1.000		3893679.94		A	1.9

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7



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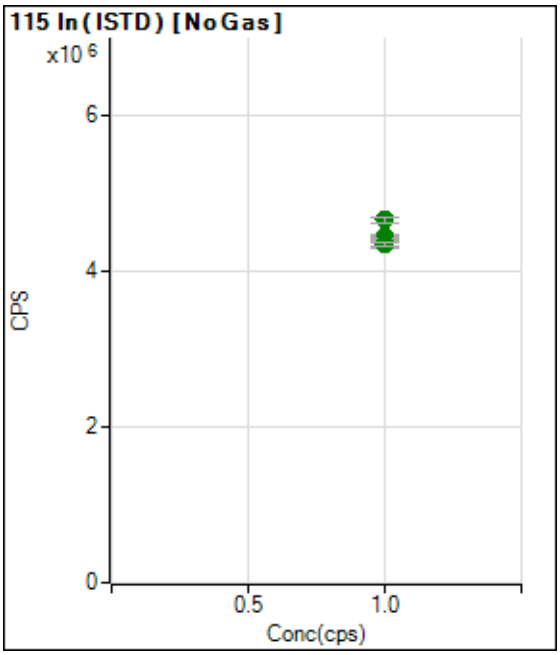
1	☐	1.000		2918335.83		A	0.4
2	☐	1.000		2792918.29		A	0.9
3	☐	1.000		2809521.73		A	0.9
4	☐	1.000		2820984.51		A	0.4
5	☐	1.000		2812615.51		A	0.8
6	☐	1.000		2745400.62		A	0.1
7	☐	1.000		2744324.54		A	0.4
8	☐	1.000		2612871.56		A	1.0



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1	☐	1.000		4650803.77		A	1.4
2	☐	1.000		4327616.03		A	1.3
3	☐	1.000		4340714.17		A	1.7
4	☐	1.000		4434410.85		A	1.6
5	☐	1.000		4435892.98		A	0.8
6	☐	1.000		4422047.78		A	0.7
7	☐	1.000		4411767.79		A	0.4
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Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
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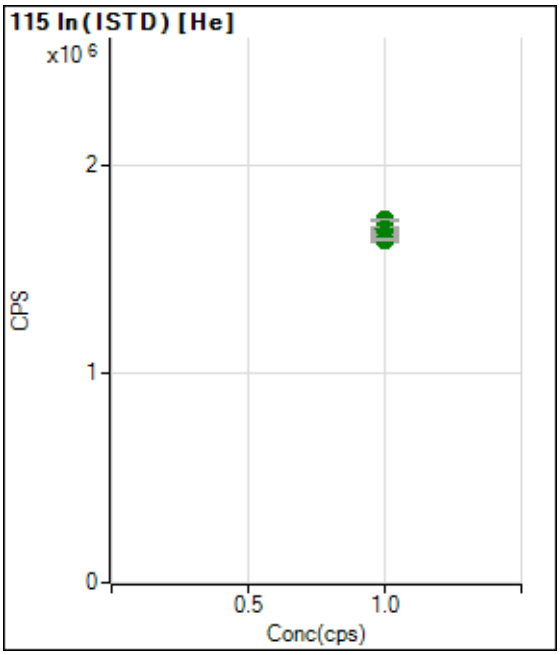

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2	☐	1.000		1682681.83		A	0.8
3	☐	1.000		1689397.70		A	1.2
4	☐	1.000		1664682.71		A	0.9
5	☐	1.000		1694354.52		A	1.2
6	☐	1.000		1660986.31		A	0.8
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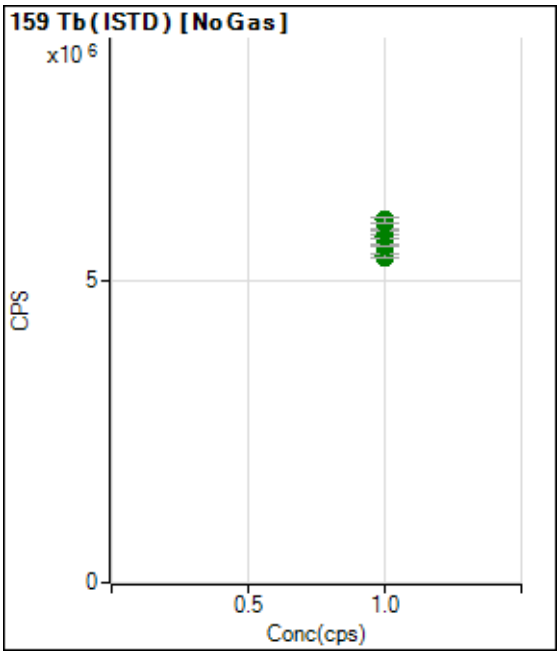

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2	☐	1.000		5395589.64		A	0.3
3	☐	1.000		5417884.15		A	1.1
4	☐	1.000		5598450.06		A	0.9
5	☐	1.000		5744416.30		A	1.0
6	☐	1.000		5849892.90		A	0.5
7	☐	1.000		5975135.40		A	0.3
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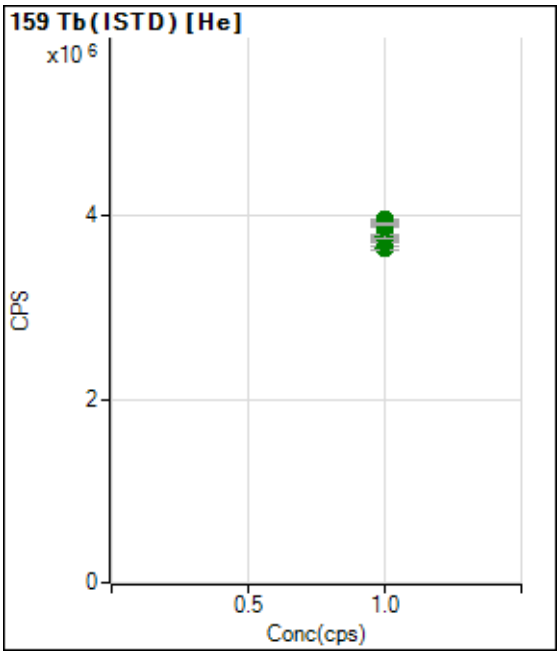
Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7



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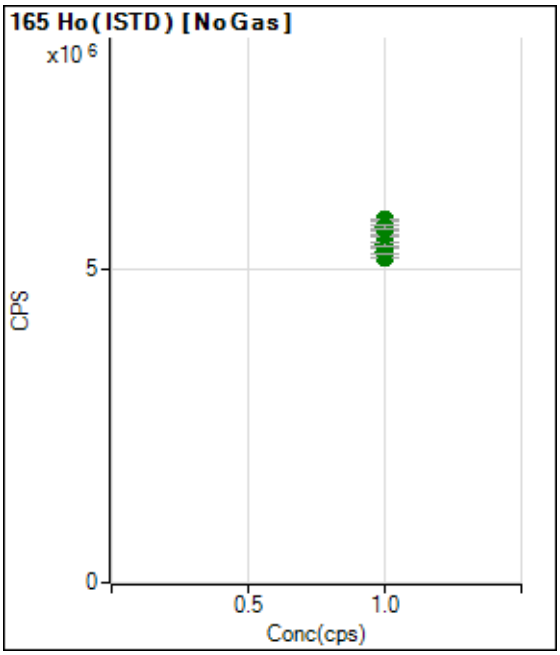
2	☐	1.000		3649622.90		A	0.8
3	☐	1.000		3725187.76		A	0.1
4	☐	1.000		3784660.81		A	1.3
5	☐	1.000		3894230.84		A	0.9
6	☐	1.000		3895382.48		A	1.0
7	☐	1.000		3960839.11		A	0.8
8	☐	1.000		3916400.19		A	0.9



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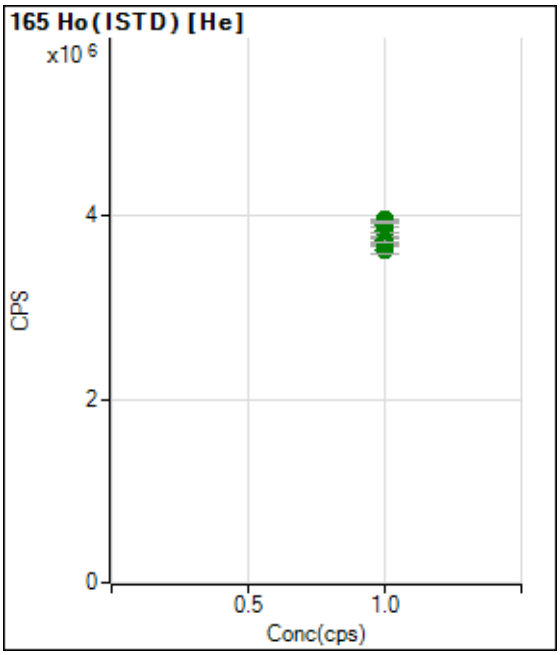
2	☐	1.000		5197526.90		A	0.5
3	☐	1.000		5305575.93		A	1.4
4	☐	1.000		5400763.81		A	1.1
5	☐	1.000		5557944.64		A	0.5
6	☐	1.000		5675760.33		A	1.5
7	☐	1.000		5804225.89		A	0.4
8	☐	1.000		5693787.56		A	1.1

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7



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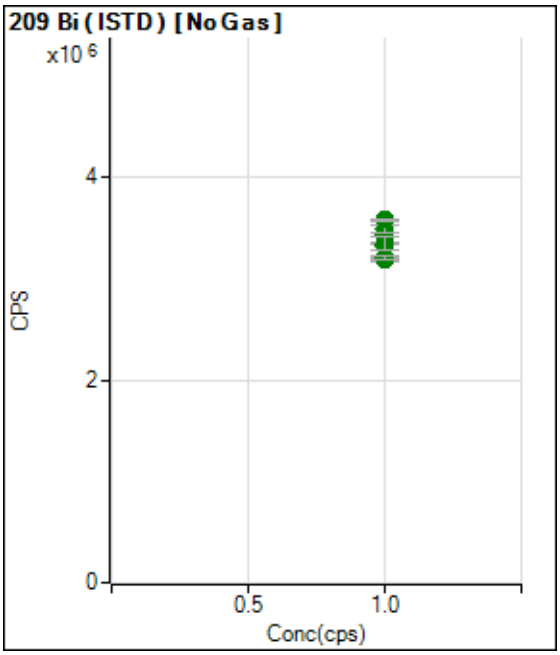
2	☐	1.000		3624524.35		A	2.1
3	☐	1.000		3683740.40		A	0.0
4	☐	1.000		3738451.26		A	1.8
5	☐	1.000		3843742.55		A	1.5
6	☐	1.000		3904280.25		A	1.2
7	☐	1.000		3953481.85		A	0.7
8	☐	1.000		3922631.58		A	0.4



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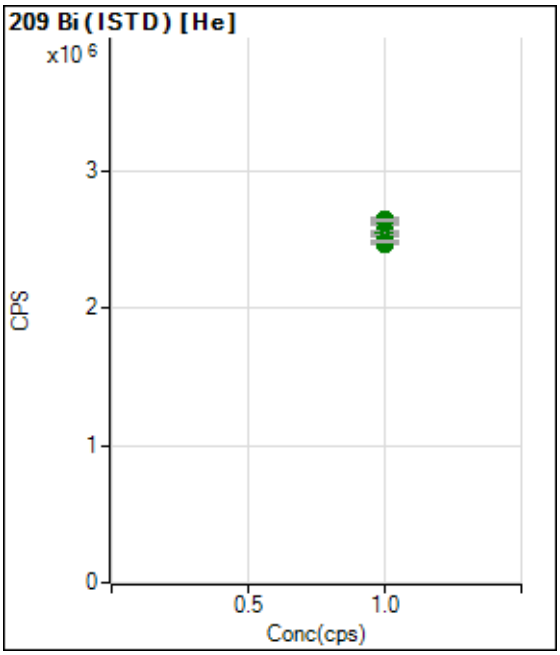
2	☐	1.000		3183674.02		A	0.9
3	☐	1.000		3206976.55		A	1.4
4	☐	1.000		3353499.98		A	0.4
5	☐	1.000		3428950.40		A	1.2
6	☐	1.000		3495840.19		A	1.9
7	☐	1.000		3579823.49		A	0.5
8	☐	1.000		3347138.39		A	4.0

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2538018.95		A	0.7
2	☐	1.000		2469520.76		A	0.5
3	☐	1.000		2470681.20		A	0.6
4	☐	1.000		2555631.16		A	1.0
5	☐	1.000		2621545.12		A	1.2
6	☐	1.000		2645384.08		A	1.3
7	☐	1.000		2645952.10		A	0.5
8	☐	1.000		2488142.90		A	0.2

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7
ClientSampleId :TUNE007

US EPA Tune Check Report

Operator Name	Jaswal
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\P7103024 MS.b
Acq. Date-Time	2024-10-30 11:23:44
Report Comment	---
Instrument Name	G8403A JP14410463

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		4244	42439.84			2.177	5.000
24		137872	1378717.33			1.106	5.000
25		19773	197729.13			1.365	5.000
26		23913	239130.49			1.544	5.000
59		38742	387419.07			1.566	5.000
113		2988	29875.63			2.352	5.000
115		66351	663509.26			2.134	5.000
206		13280	132798.67			2.388	5.000
207		10918	109182.48			2.611	5.000
208		26989	269891.35			2.746	5.000
220		1	6.20			26.503	

Mass	RSD% (Flag)
9	
24	
25	
26	
59	
113	
115	
206	
207	
208	
220	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	4312	4325	4282	4106	4195
24	138630	137594	137530	135738	139867
25	19983	19959	19804	19314	19806
26	24237	24118	23955	23286	23968
59	39474	38891	38742	37789	38813
113	3072	3026	2991	2884	2965
115	68203	66985	66268	64345	65954
206	13758	13394	13218	12925	13104
207	11289	11100	10886	10562	10754
208	27985	27366	26902	26009	26683

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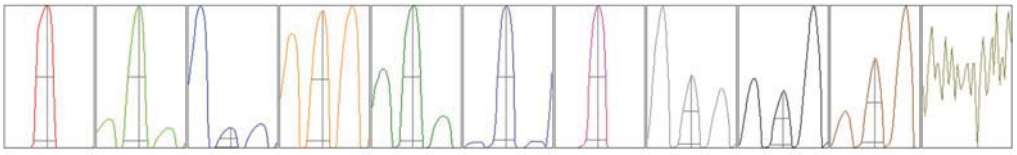
US EPA Tune Check Report

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
220	1	1	1	0	1

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	7436.91	8.95	8.90 - 9.10	
24	257241.05	23.95	23.90 - 24.10	
25	35548.08	24.95	24.90 - 25.10	
26	42620.85	25.95	25.90 - 26.10	
59	68257.93	58.90	58.90 - 59.10	
113	5735.13	112.95	112.90 - 113.10	
115	127475.70	114.95	114.90 - 115.10	
206	26855.69	206.00	205.90 - 206.10	
207	22142.54	207.00	206.90 - 207.10	
208	54617.65	208.00	207.90 - 208.10	
220			-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.60	0.736	0.900	
24	0.59	0.813	0.900	
25	0.58	0.749	0.900	
26	0.58	0.771	0.900	
59	0.61	0.781	0.900	
113	0.53	0.728	0.900	
115	0.54	0.707	0.900	
206	0.51	0.735	0.900	
207	0.51	0.738	0.900	
208	0.50	0.763	0.900	
220				

Integration Time [sec] 0.1
Acquisition Time [sec] 256.770000000002
Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.75 L/min Dilution Gas 0.40 L/min

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US EPA Tune Check Report

RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	10.0 V	Deflect	16.6 V
Extract 2	-250.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-105 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	190 V		

QP Parameters

Mass Gain	136	Axis Gain	0.9979	QP Bias	-3.0 V
Mass Offset	130	Axis Offset	0.06		

Hardware Settings

Torch

Torch H	-0.6 mm	Torch V	0.6 mm		

EM

Discriminator	4.9 mV	Analog HV	2429 V	Pulse HV	2000 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		17486	174864.98			0.418	
89		85072	850722.23			1.514	
205		17544	175443.90			0.355	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	17537	17542	17517	17367	17469
89	87124	85519	84551	84069	84099
205	17562	17444	17616	17547	17552

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.75 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	10.3 V	Deflect	3.8 V

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US EPA Tune Check Report

Extract 2	-235.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-110 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	3.9 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	200 V		

QP Parameters

Mass Gain	136	Axis Gain	0.9979	QP Bias	-13.0 V
Mass Offset	130	Axis Offset	0.06		

Hardware Settings

Torch

Torch H	-0.6 mm	Torch V	0.6 mm

EM

Discriminator	4.9 mV	Analog HV	2429 V	Pulse HV	2000 V

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:18:29	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.22	-0.16	0.39	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.00	0.01	0.00	0.00	N/A	ppb
Barium	135-1	0.00	0.01	0.00	0.00	N/A	ppb
Barium	137-1	0.00	0.00	-0.01	0.00	N/A	ppb
Beryllium	9-1	-0.01	0.02	-0.01	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.03	-0.03	0.05	0.00	N/A	ppb
Cadmium	106-1	0.24	-0.41	0.16	0.00	N/A	ppb
Cadmium	111-1	0.02	-0.03	0.01	0.00	N/A	ppb
Calcium	43-1	0.24	1.70	-1.94	0.00	N/A	ppb
Calcium	44-1	-0.88	0.68	0.20	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	-0.01	-0.01	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	0.00	-0.01	0.01	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	0.09	0.05	-0.14	0.00	N/A	ppb
Iron	57-2	1.28	0.02	-1.30	0.00	N/A	ppb
Iron	54-2	-0.03	0.28	-0.25	0.00	N/A	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:18:29	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	-0.01	0.00	0.01	0.00	N/A	ppb
Lead	207-1	0.00	-0.01	0.01	0.00	N/A	ppb
Lead	208-1	-0.01	0.00	0.01	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	-0.08	0.11	-0.03	0.00	N/A	ppb
Manganese	55-2	0.00	-0.02	0.02	0.00	N/A	ppb
Molybdenum	94-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	95-1	-0.01	0.01	0.00	0.00	N/A	ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	0.00	-0.02	0.00	N/A	ppb
Phosphorus	31-2	-17.09	-16.43	-22.53	-18.68		ppb
Potassium	39-2	1.39	-0.95	-0.44	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.52	-0.27	-0.25	0.00	N/A	ppb
Selenium	77-2	0.00	0.37	-0.37	0.00	N/A	ppb
Selenium	78-2	0.51	-1.18	0.68	0.00	N/A	ppb
Silicon	28-1	-0.53	0.18	0.35	0.00	N/A	ppb
Silver	107-1	0.00	0.00	0.00	0.00	N/A	ppb
Silver	109-1	0.00	0.00	0.00	0.00	N/A	ppb
Sodium	23-2	0.58	-1.03	0.45	0.00	N/A	ppb
Strontium	86-1	-0.01	0.01	0.00	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-229.27	-232.28	-80.27	-180.61		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.00	0.00	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	0.01	0.00	-0.01	0.00	N/A	ppb
Titanium	47-1	-0.03	0.02	0.01	0.00	N/A	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:18:29	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	-0.05	0.08	-0.02	0.00	N/A	ppb
Zirconium	90-1	0.01	0.00	0.00	0.00	N/A	ppb
Zirconium	91-1	0.00	0.01	-0.01	0.00	N/A	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:25:05	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.40	19.26	18.68	18.78	2.35	ppb
Antimony	121-1	1.86	1.96	1.90	1.91	2.50	ppb
Arsenic	75-2	0.96	1.29	1.01	1.09	16.44	ppb
Barium	135-1	8.98	9.25	9.17	9.14	1.52	ppb
Barium	137-1	9.06	9.12	9.06	9.08	0.38	ppb
Beryllium	9-1	1.08	1.00	1.01	1.03	4.20	ppb
Bismuth	209-1				96		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.10	1.01	0.93	1.01	8.11	ppb
Cadmium	106-1	1.40	0.93	1.49	1.27	23.53	ppb
Cadmium	111-1	1.10	0.99	1.11	1.07	6.23	ppb
Calcium	43-1	488.74	477.27	494.37	486.79	1.79	ppb
Calcium	44-1	491.41	490.73	497.37	493.17	0.74	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.04	2.03	2.04	2.03	0.36	ppb
Cobalt	59-2	1.01	0.98	0.99	0.99	1.83	ppb
Copper	63-2	1.87	1.78	1.91	1.86	3.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				93		%
Holmium	165-2				97		%
Indium	115-1				93		%
Indium	115-2				97		%
Iron	56-2	51.71	51.19	51.83	51.58	0.65	ppb
Iron	57-2	51.89	54.23	59.13	55.09	6.71	ppb
Iron	54-2	56.98	55.12	55.93	56.01	1.67	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:25:05	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.86	0.85	0.81	0.84	3.18	ppb
Lead	207-1	0.80	0.78	0.81	0.80	1.55	ppb
Lead	208-1	0.83	0.82	0.82	0.82	0.06	ppb
Lithium	6-1				92		%
Magnesium	24-2	509.99	500.80	507.74	506.18	0.95	ppb
Manganese	55-2	0.99	1.05	0.99	1.01	3.48	ppb
Molybdenum	94-1	5.44	5.11	5.11	5.22	3.65	ppb
Molybdenum	95-1	4.28	4.31	4.14	4.24	2.09	ppb
Molybdenum	96-1	4.30	4.38	4.42	4.37	1.37	ppb
Molybdenum	97-1	4.24	4.18	4.32	4.25	1.66	ppb
Molybdenum	98-1	4.17	4.15	4.28	4.20	1.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.12	0.94	1.09	1.05	8.99	ppb
Phosphorus	31-2	18.50	20.50	17.05	18.68	9.28	ppb
Potassium	39-2	515.06	511.18	517.48	514.58	0.62	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				94		%
Scandium	45-2				98		%
Selenium	82-1	5.37	4.01	5.00	4.79	14.69	ppb
Selenium	77-2	3.75	6.02	4.87	4.88	23.31	ppb
Selenium	78-2	4.78	7.81	4.45	5.68	32.65	ppb
Silicon	28-1	5.81	4.97	5.38	5.38	7.83	ppb
Silver	107-1	0.91	0.98	0.95	0.95	3.48	ppb
Silver	109-1	0.91	0.99	1.01	0.97	5.43	ppb
Sodium	23-2	495.92	489.57	496.45	493.98	0.77	ppb
Strontium	86-1	0.96	1.01	0.96	0.98	2.95	ppb
Strontium	88-1	0.95	0.98	0.98	0.97	1.42	ppb
Sulfur	34-1	292.77	62.93	186.11	180.61	63.69	ppb
Terbium	159-1				94		%
Terbium	159-2				96		%
Thallium	203-1	0.84	0.84	0.85	0.84	0.29	ppb
Thallium	205-1	0.79	0.80	0.84	0.81	3.58	ppb
Tin	118-1	4.52	4.64	4.65	4.60	1.53	ppb
Titanium	47-1	4.36	4.37	4.48	4.40	1.59	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:25:05	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.79	0.77	0.80	0.79	2.04	ppb
Vanadium	51-2	4.91	4.92	4.86	4.90	0.69	ppb
Yttrium	89-1				93		%
Yttrium	89-2				98		%
Zinc	66-2	5.02	4.63	5.01	4.89	4.64	ppb
Zirconium	90-1	0.95	0.94	0.97	0.95	1.34	ppb
Zirconium	91-1	0.97	0.99	0.97	0.98	1.44	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:28:22	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1016.12	1018.70	1025.25	1020.02	0.46	ppb
Antimony	121-1	49.76	52.06	51.92	51.25	2.51	ppb
Arsenic	75-2	52.44	53.39	51.98	52.61	1.37	ppb
Barium	135-1	242.79	254.14	249.77	248.90	2.30	ppb
Barium	137-1	239.94	251.22	249.56	246.91	2.47	ppb
Beryllium	9-1	53.01	57.20	57.88	56.03	4.70	ppb
Bismuth	209-1				96		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	50.62	55.27	58.74	54.88	7.42	ppb
Cadmium	106-1	53.75	55.98	54.30	54.68	2.13	ppb
Cadmium	111-1	53.65	55.96	54.42	54.68	2.15	ppb
Calcium	43-1	5668.21	6204.18	5778.75	5883.71	4.81	ppb
Calcium	44-1	5443.05	5749.58	5512.58	5568.40	2.89	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	51.56	51.32	50.95	51.27	0.60	ppb
Cobalt	59-2	50.26	50.39	50.42	50.36	0.17	ppb
Copper	63-2	494.62	500.01	498.54	497.72	0.56	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				99		%
Indium	115-1				93		%
Indium	115-2				97		%
Iron	56-2	2602.17	2592.80	2569.97	2588.31	0.64	ppb
Iron	57-2	2631.61	2653.13	2638.63	2641.12	0.42	ppb
Iron	54-2	2716.98	2701.61	2701.05	2706.55	0.33	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:28:22	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	220.73	226.41	221.17	222.77	1.42	ppb
Lead	207-1	220.52	223.39	223.09	222.33	0.71	ppb
Lead	208-1	236.26	243.23	237.73	239.07	1.54	ppb
Lithium	6-1				93		%
Magnesium	24-2	4909.10	4875.58	4939.76	4908.15	0.65	ppb
Manganese	55-2	509.87	512.36	512.11	511.45	0.27	ppb
Molybdenum	94-1	480.62	512.55	505.01	499.40	3.34	ppb
Molybdenum	95-1	481.46	512.97	504.24	499.55	3.26	ppb
Molybdenum	96-1	478.78	510.94	509.99	499.90	3.66	ppb
Molybdenum	97-1	478.15	512.11	499.00	496.42	3.45	ppb
Molybdenum	98-1	482.99	521.44	510.97	505.13	3.93	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	51.69	52.55	52.49	52.24	0.92	ppb
Phosphorus	31-2	996.82	976.86	967.74	980.47	1.52	ppb
Potassium	39-2	2709.29	2713.97	2715.03	2712.76	0.11	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				93		%
Scandium	45-2				98		%
Selenium	82-1	47.83	54.43	53.10	51.79	6.74	ppb
Selenium	77-2	51.12	54.57	50.66	52.12	4.09	ppb
Selenium	78-2	50.27	52.70	53.90	52.29	3.54	ppb
Silicon	28-1	55.89	60.56	57.24	57.90	4.15	ppb
Silver	107-1	52.76	55.51	53.99	54.09	2.55	ppb
Silver	109-1	51.87	54.47	53.59	53.31	2.48	ppb
Sodium	23-2	5086.08	4930.12	4999.46	5005.22	1.56	ppb
Strontium	86-1	1269.52	1321.99	1317.69	1303.07	2.24	ppb
Strontium	88-1	1252.34	1325.58	1302.31	1293.41	2.89	ppb
Sulfur	34-1	1271.75	1557.18	1119.25	1316.06	16.89	ppb
Terbium	159-1				94		%
Terbium	159-2				98		%
Thallium	203-1	44.38	44.99	44.32	44.56	0.83	ppb
Thallium	205-1	43.94	44.93	44.61	44.49	1.14	ppb
Tin	118-1	50.29	52.58	51.30	51.39	2.24	ppb
Titanium	47-1	504.59	533.26	508.01	515.29	3.04	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:28:22	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	42.35	42.90	42.33	42.53	0.76	ppb
Vanadium	51-2	51.09	50.85	50.40	50.78	0.70	ppb
Yttrium	89-1				94		%
Yttrium	89-2				98		%
Zinc	66-2	493.92	498.73	497.85	496.83	0.52	ppb
Zirconium	90-1	48.62	51.69	51.00	50.44	3.20	ppb
Zirconium	91-1	48.61	51.95	50.58	50.38	3.33	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:31:33	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2524.36	2511.35	2489.82	2508.51	0.70	ppb
Antimony	121-1	122.96	124.57	124.94	124.16	0.85	ppb
Arsenic	75-2	126.96	125.40	126.20	126.19	0.62	ppb
Barium	135-1	601.82	610.17	608.33	606.77	0.72	ppb
Barium	137-1	592.14	598.13	597.87	596.05	0.57	ppb
Beryllium	9-1	133.89	132.56	134.82	133.76	0.85	ppb
Bismuth	209-1				101		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	131.45	127.42	138.98	132.62	4.42	ppb
Cadmium	106-1	133.22	133.47	128.98	131.89	1.91	ppb
Cadmium	111-1	131.12	135.22	133.30	133.21	1.54	ppb
Calcium	43-1	14369.02	14487.52	14543.03	14466.52	0.61	ppb
Calcium	44-1	13031.68	13355.96	12979.28	13122.31	1.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	127.73	128.09	126.64	127.49	0.59	ppb
Cobalt	59-2	124.80	125.11	123.83	124.58	0.54	ppb
Copper	63-2	1287.58	1308.25	1282.90	1292.91	1.04	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				100		%
Indium	115-1				95		%
Indium	115-2				96		%
Iron	56-2	6462.70	6440.09	6366.90	6423.23	0.78	ppb
Iron	57-2	6710.71	6660.42	6557.38	6642.84	1.18	ppb
Iron	54-2	6810.71	6706.48	6686.35	6734.51	0.99	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:31:33	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	599.41	619.86	617.86	612.38	1.84	ppb
Lead	207-1	613.66	627.55	619.38	620.20	1.13	ppb
Lead	208-1	612.75	623.73	621.25	619.25	0.93	ppb
Lithium	6-1				100		%
Magnesium	24-2	12221.37	12195.36	12178.60	12198.45	0.18	ppb
Manganese	55-2	1267.41	1254.79	1240.37	1254.19	1.08	ppb
Molybdenum	94-1	1228.69	1250.34	1269.12	1249.38	1.62	ppb
Molybdenum	95-1	1228.21	1240.72	1263.70	1244.21	1.45	ppb
Molybdenum	96-1	1220.81	1270.16	1268.22	1253.06	2.23	ppb
Molybdenum	97-1	1222.51	1248.02	1264.04	1244.86	1.68	ppb
Molybdenum	98-1	1227.72	1249.02	1248.95	1241.90	0.99	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	130.86	129.88	128.13	129.62	1.07	ppb
Phosphorus	31-2	2481.48	2513.23	2532.08	2508.93	1.02	ppb
Potassium	39-2	6274.46	6347.57	6323.49	6315.17	0.59	ppb
Rhodium	103-1				95		%
Rhodium	103-2				97		%
Scandium	45-1				94		%
Scandium	45-2				96		%
Selenium	82-1	127.56	130.54	129.90	129.33	1.21	ppb
Selenium	77-2	119.12	121.86	110.00	116.99	5.31	ppb
Selenium	78-2	130.49	124.29	133.99	129.59	3.79	ppb
Silicon	28-1	135.19	137.70	139.56	137.48	1.60	ppb
Silver	107-1	129.89	130.27	129.93	130.03	0.16	ppb
Silver	109-1	127.46	129.25	127.87	128.19	0.73	ppb
Sodium	23-2	12329.56	12179.27	12286.57	12265.13	0.63	ppb
Strontium	86-1	3089.54	3192.63	3162.62	3148.26	1.68	ppb
Strontium	88-1	3145.21	3192.38	3155.40	3164.33	0.78	ppb
Sulfur	34-1	2725.48	2836.16	2748.71	2770.12	2.11	ppb
Terbium	159-1				97		%
Terbium	159-2				100		%
Thallium	203-1	106.55	108.65	108.57	107.93	1.11	ppb
Thallium	205-1	106.23	108.23	108.72	107.73	1.23	ppb
Tin	118-1	122.98	126.00	123.86	124.28	1.25	ppb
Titanium	47-1	1251.68	1276.22	1274.63	1267.51	1.08	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:31:33	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	103.51	105.06	119.54	109.37	8.08	ppb
Vanadium	51-2	127.08	125.94	125.83	126.29	0.55	ppb
Yttrium	89-1				95		%
Yttrium	89-2				98		%
Zinc	66-2	1246.82	1240.01	1231.68	1239.50	0.61	ppb
Zirconium	90-1	121.57	124.76	125.83	124.05	1.79	ppb
Zirconium	91-1	121.11	126.93	125.45	124.50	2.43	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:34:33	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4967.33	4960.26	5040.71	4989.44	0.89	ppb
Antimony	121-1	239.34	247.81	244.43	243.86	1.75	ppb
Arsenic	75-2	255.61	249.55	250.33	251.83	1.31	ppb
Barium	135-1	1257.55	1280.19	1286.55	1274.76	1.20	ppb
Barium	137-1	1252.11	1277.20	1262.88	1264.06	1.00	ppb
Beryllium	9-1	263.30	256.10	259.29	259.57	1.39	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	256.29	266.78	255.99	259.69	2.37	ppb
Cadmium	106-1	257.69	265.37	258.05	260.37	1.66	ppb
Cadmium	111-1	258.34	264.30	258.92	260.52	1.26	ppb
Calcium	43-1	27930.71	28826.65	28926.59	28561.32	1.92	ppb
Calcium	44-1	25843.82	25930.39	26032.07	25935.43	0.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	252.40	251.82	252.70	252.30	0.18	ppb
Cobalt	59-2	246.93	247.09	251.57	248.53	1.06	ppb
Copper	63-2	2530.06	2529.12	2550.33	2536.50	0.47	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				103		%
Indium	115-1				95		%
Indium	115-2				98		%
Iron	56-2	12792.53	12785.29	13000.52	12859.45	0.95	ppb
Iron	57-2	13187.39	13104.45	13297.94	13196.60	0.74	ppb
Iron	54-2	12978.99	12759.38	13015.70	12918.03	1.07	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:34:33	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1206.49	1261.40	1240.20	1236.03	2.24	ppb
Lead	207-1	1221.34	1276.63	1249.29	1249.09	2.21	ppb
Lead	208-1	1222.98	1258.26	1238.98	1240.07	1.42	ppb
Lithium	6-1				107		%
Magnesium	24-2	24354.27	24237.90	24363.21	24318.46	0.29	ppb
Manganese	55-2	2535.97	2506.67	2515.75	2519.46	0.60	ppb
Molybdenum	94-1	2467.59	2523.42	2483.80	2491.60	1.15	ppb
Molybdenum	95-1	2472.66	2491.36	2500.63	2488.22	0.57	ppb
Molybdenum	96-1	2455.57	2513.34	2538.14	2502.35	1.69	ppb
Molybdenum	97-1	2465.97	2547.18	2553.36	2522.17	1.93	ppb
Molybdenum	98-1	2459.82	2514.42	2522.36	2498.87	1.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	255.11	253.19	259.36	255.89	1.23	ppb
Phosphorus	31-2	4976.83	4959.25	5031.74	4989.27	0.76	ppb
Potassium	39-2	12337.16	12306.18	12456.50	12366.62	0.64	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				95		%
Scandium	45-2				95		%
Selenium	82-1	248.52	255.28	258.70	254.17	2.04	ppb
Selenium	77-2	257.14	259.31	252.30	256.25	1.40	ppb
Selenium	78-2	249.63	254.49	244.61	249.58	1.98	ppb
Silicon	28-1	264.86	274.11	266.43	268.47	1.84	ppb
Silver	107-1	255.47	265.84	262.71	261.34	2.03	ppb
Silver	109-1	249.56	254.31	248.76	250.88	1.19	ppb
Sodium	23-2	24619.00	24742.94	24933.93	24765.29	0.64	ppb
Strontium	86-1	6223.59	6373.21	6344.58	6313.79	1.26	ppb
Strontium	88-1	6256.20	6340.31	6366.51	6321.01	0.91	ppb
Sulfur	34-1	5399.94	5144.55	5281.30	5275.26	2.42	ppb
Terbium	159-1				100		%
Terbium	159-2				103		%
Thallium	203-1	215.16	220.43	217.34	217.64	1.22	ppb
Thallium	205-1	241.55	248.06	245.20	244.94	1.33	ppb
Tin	118-1	239.66	245.81	242.42	242.63	1.27	ppb
Titanium	47-1	2519.06	2539.47	2500.25	2519.60	0.78	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:34:33	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	242.96	247.40	243.30	244.55	1.01	ppb
Vanadium	51-2	251.36	249.32	254.11	251.60	0.95	ppb
Yttrium	89-1				95		%
Yttrium	89-2				97		%
Zinc	66-2	2464.76	2456.25	2490.91	2470.64	0.73	ppb
Zirconium	90-1	253.23	251.35	253.16	252.58	0.42	ppb
Zirconium	91-1	243.00	246.07	249.13	246.07	1.25	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:37:28	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10125.15	9774.77	9927.04	9942.32	1.77	ppb
Antimony	121-1	497.89	500.41	513.35	503.88	1.65	ppb
Arsenic	75-2	497.31	493.68	505.75	498.91	1.24	ppb
Barium	135-1	2497.65	2524.59	2544.54	2522.26	0.93	ppb
Barium	137-1	2508.71	2530.48	2531.40	2523.53	0.51	ppb
Beryllium	9-1	488.10	495.48	493.42	492.33	0.77	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	502.72	499.88	506.79	503.13	0.69	ppb
Cadmium	106-1	494.84	511.14	512.45	506.14	1.94	ppb
Cadmium	111-1	497.48	509.56	509.80	505.62	1.39	ppb
Calcium	43-1	56422.84	57293.19	57413.51	57043.18	0.95	ppb
Calcium	44-1	50279.33	51852.95	52040.27	51390.85	1.88	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	509.41	501.22	499.23	503.29	1.07	ppb
Cobalt	59-2	518.94	497.57	508.67	508.39	2.10	ppb
Copper	63-2	5066.10	5006.58	5086.84	5053.17	0.82	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				105		%
Indium	115-1				95		%
Indium	115-2				96		%
Iron	56-2	26049.67	25696.53	25694.27	25813.49	0.79	ppb
Iron	57-2	25589.65	25420.65	25285.20	25431.84	0.60	ppb
Iron	54-2	25998.07	25715.86	25875.29	25863.07	0.55	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:37:28	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2496.37	2453.68	2530.27	2493.44	1.54	ppb
Lead	207-1	2509.27	2481.43	2524.67	2505.12	0.87	ppb
Lead	208-1	2498.37	2485.10	2505.58	2496.35	0.42	ppb
Lithium	6-1				115		%
Magnesium	24-2	49510.88	48903.70	49671.21	49361.93	0.82	ppb
Manganese	55-2	5084.53	4958.53	4968.49	5003.85	1.40	ppb
Molybdenum	94-1	4882.34	4964.42	4985.82	4944.19	1.10	ppb
Molybdenum	95-1	4881.49	4954.66	5046.88	4961.01	1.67	ppb
Molybdenum	96-1	4880.22	4972.97	5028.72	4960.64	1.51	ppb
Molybdenum	97-1	4897.72	4920.35	5076.05	4964.71	1.96	ppb
Molybdenum	98-1	4888.87	4964.31	5007.34	4953.50	1.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	513.66	503.20	509.44	508.77	1.03	ppb
Phosphorus	31-2	9947.97	9993.98	9873.19	9938.38	0.61	ppb
Potassium	39-2	24867.77	24847.10	24624.07	24779.64	0.55	ppb
Rhodium	103-1				95		%
Rhodium	103-2				94		%
Scandium	45-1				94		%
Scandium	45-2				93		%
Selenium	82-1	496.41	497.21	506.06	499.89	1.07	ppb
Selenium	77-2	501.11	514.45	524.76	513.44	2.31	ppb
Selenium	78-2	499.30	512.51	495.89	502.56	1.75	ppb
Silicon	28-1	520.06	512.11	520.27	517.48	0.90	ppb
Silver	107-1	506.76	510.04	515.13	510.65	0.83	ppb
Silver	109-1	510.80	511.71	512.20	511.57	0.14	ppb
Sodium	23-2	50323.95	49871.10	50400.82	50198.62	0.57	ppb
Strontium	86-1	12277.03	12580.87	12615.26	12491.05	1.49	ppb
Strontium	88-1	12321.03	12525.44	12647.41	12497.96	1.32	ppb
Sulfur	34-1	10224.37	9994.41	9974.81	10064.53	1.38	ppb
Terbium	159-1				101		%
Terbium	159-2				103		%
Thallium	203-1	498.20	498.89	507.39	501.49	1.02	ppb
Thallium	205-1	495.15	499.83	500.15	498.38	0.56	ppb
Tin	118-1	503.21	509.76	509.83	507.60	0.75	ppb
Titanium	47-1	4884.93	5005.30	4978.86	4956.36	1.28	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:37:28	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	494.49	503.21	503.13	500.28	1.00	ppb
Vanadium	51-2	504.20	502.40	501.77	502.79	0.25	ppb
Yttrium	89-1				96		%
Yttrium	89-2				96		%
Zinc	66-2	5160.08	4951.74	5055.59	5055.80	2.06	ppb
Zirconium	90-1	489.92	494.80	499.36	494.69	0.95	ppb
Zirconium	91-1	479.91	491.76	502.06	491.25	2.26	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:40:14	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19452.49	19733.27	19677.34	19621.03	0.76	ppb
Antimony	121-1	988.93	1008.93	1001.05	999.64	1.01	ppb
Arsenic	75-2	997.06	997.24	1005.13	999.81	0.46	ppb
Barium	135-1	4982.11	4994.93	4978.00	4985.02	0.18	ppb
Barium	137-1	4976.23	4979.47	5009.78	4988.50	0.37	ppb
Beryllium	9-1	992.26	996.42	1011.45	1000.05	1.01	ppb
Bismuth	209-1				108		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	991.91	995.98	996.57	994.82	0.26	ppb
Cadmium	106-1	974.42	1003.25	1002.06	993.24	1.64	ppb
Cadmium	111-1	980.53	997.67	1001.70	993.30	1.13	ppb
Calcium	43-1	109034.71	109931.99	112598.34	110521.68	1.68	ppb
Calcium	44-1	103572.97	103936.17	103417.83	103642.32	0.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	990.04	996.08	1006.09	997.41	0.81	ppb
Cobalt	59-2	996.64	992.80	999.18	996.21	0.32	ppb
Copper	63-2	9965.17	9852.88	10059.07	9959.04	1.04	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				106		%
Indium	115-1				95		%
Indium	115-2				94		%
Iron	56-2	50650.34	51546.51	51450.58	51215.81	0.96	ppb
Iron	57-2	50915.87	50885.19	51534.31	51111.79	0.72	ppb
Iron	54-2	51407.48	51625.61	51635.72	51556.27	0.25	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:40:14	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5014.18	5048.17	4966.79	5009.71	0.82	ppb
Lead	207-1	4954.96	5064.32	4979.67	4999.65	1.15	ppb
Lead	208-1	4969.25	5025.70	5021.77	5005.57	0.63	ppb
Lithium	6-1				116		%
Magnesium	24-2	97847.21	99578.23	98636.29	98687.24	0.88	ppb
Manganese	55-2	9884.08	9985.29	10106.97	9992.11	1.12	ppb
Molybdenum	94-1	9943.37	10044.08	10102.88	10030.11	0.80	ppb
Molybdenum	95-1	9917.98	10053.99	10097.59	10023.19	0.93	ppb
Molybdenum	96-1	9847.27	10110.00	10098.88	10018.72	1.48	ppb
Molybdenum	97-1	9799.29	10186.25	10053.24	10012.93	1.96	ppb
Molybdenum	98-1	9941.86	10085.19	10045.81	10024.29	0.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	989.28	991.88	999.21	993.45	0.52	ppb
Phosphorus	31-2	19935.88	20147.48	20016.69	20033.35	0.53	ppb
Potassium	39-2	49200.51	49548.68	49741.88	49497.02	0.55	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				93		%
Scandium	45-2				93		%
Selenium	82-1	980.00	1007.05	1008.10	998.38	1.60	ppb
Selenium	77-2	1007.28	977.68	992.87	992.61	1.49	ppb
Selenium	78-2	998.82	975.47	1020.10	998.13	2.24	ppb
Silicon	28-1	974.03	986.87	993.30	984.73	1.00	ppb
Silver	107-1	986.35	997.02	989.65	991.01	0.55	ppb
Silver	109-1	985.04	1005.09	990.16	993.43	1.05	ppb
Sodium	23-2	100313.63	100565.19	101524.08	100800.97	0.63	ppb
Strontium	86-1	24462.78	25194.86	25291.25	24982.96	1.81	ppb
Strontium	88-1	24438.48	25072.53	25417.52	24976.18	1.99	ppb
Sulfur	34-1	19896.36	19944.04	19707.65	19849.35	0.63	ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	1011.41	1019.80	998.04	1009.75	1.09	ppb
Thallium	205-1	1003.96	1007.14	1002.44	1004.51	0.24	ppb
Tin	118-1	982.99	1009.11	1002.09	998.06	1.35	ppb
Titanium	47-1	9950.09	10024.81	10067.00	10013.97	0.59	ppb

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:40:14	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	998.53	1008.04	1004.08	1003.55	0.48	ppb
Vanadium	51-2	994.55	990.03	1009.44	998.01	1.02	ppb
Yttrium	89-1				96		%
Yttrium	89-2				96		%
Zinc	66-2	9876.01	9966.45	10100.26	9980.91	1.13	ppb
Zirconium	90-1	988.73	1003.45	1014.14	1002.11	1.27	ppb
Zirconium	91-1	979.81	1016.55	1019.85	1005.40	2.21	ppb

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:43:00	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	100621.85	99934.57	99688.60	100081.68	0.48	ppb
Antimony	121-1	0.84	0.79	0.74	0.79	6.72	ppb
Arsenic	75-2	0.71	0.60	0.54	0.62	14.16	ppb
Barium	135-1	2.15	2.08	1.86	2.03	7.58	ppb
Barium	137-1	2.03	2.03	1.95	2.00	2.53	ppb
Beryllium	9-1	0.13	0.14	0.12	0.13	9.40	ppb
Bismuth	209-1				101		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.46	0.56	0.18	0.40	48.55	ppb
Cadmium	106-1	-0.75	0.00	-0.87	-0.54		ppb
Cadmium	111-1	0.18	0.17	0.08	0.14	39.73	ppb
Calcium	43-1	491753.23	500993.47	498119.18	496955.29	0.95	ppb
Calcium	44-1	495518.63	500845.37	500829.33	499064.44	0.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.47	3.05	3.58	3.70	19.32	ppb
Cobalt	59-2	2.57	2.73	2.63	2.64	3.08	ppb
Copper	63-2	2.30	2.30	2.33	2.31	0.70	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				105		%
Indium	115-1				93		%
Indium	115-2				95		%
Iron	56-2	249631.16	249179.32	250146.42	249652.30	0.19	ppb
Iron	57-2	251189.94	247099.86	250775.39	249688.40	0.90	ppb
Iron	54-2	249817.78	249960.95	248923.35	249567.36	0.23	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:43:00	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.99	1.07	1.00	1.02	3.96	ppb
Lead	207-1	0.93	1.06	1.00	1.00	6.65	ppb
Lead	208-1	0.96	1.02	1.01	0.99	3.34	ppb
Lithium	6-1				116		%
Magnesium	24-2	501567.44	497000.29	502538.93	500368.89	0.59	ppb
Manganese	55-2	5.05	4.99	5.06	5.03	0.80	ppb
Molybdenum	94-1	2.38	2.27	2.16	2.27	4.99	ppb
Molybdenum	95-1	1.50	1.48	1.44	1.47	2.19	ppb
Molybdenum	96-1	2.83	2.95	2.92	2.90	2.17	ppb
Molybdenum	97-1	1.44	1.46	1.44	1.45	0.96	ppb
Molybdenum	98-1	1.43	1.34	1.35	1.38	3.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.70	4.82	4.61	4.71	2.24	ppb
Phosphorus	31-2	-12.46	-11.22	-14.53	-12.74		ppb
Potassium	39-2	251022.34	250156.87	249197.33	250125.51	0.36	ppb
Rhodium	103-1				88		%
Rhodium	103-2				90		%
Scandium	45-1				94		%
Scandium	45-2				95		%
Selenium	82-1	0.81	1.56	0.80	1.06	41.09	ppb
Selenium	77-2	-0.37	0.01	-0.37	-0.24		ppb
Selenium	78-2	0.57	-0.48	1.05	0.38	205.41	ppb
Silicon	28-1	8.43	8.97	8.54	8.65	3.32	ppb
Silver	107-1	0.14	0.10	0.10	0.11	19.33	ppb
Silver	109-1	0.12	0.12	0.10	0.11	13.33	ppb
Sodium	23-2	498126.85	501582.01	499803.66	499837.51	0.35	ppb
Strontium	86-1	4.12	4.04	4.05	4.07	1.14	ppb
Strontium	88-1	4.18	4.07	3.91	4.05	3.42	ppb
Sulfur	34-1	-575.21	-125.35	379.39	-107.05		ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	0.13	0.14	0.14	0.14	6.13	ppb
Thallium	205-1	0.14	0.13	0.12	0.13	8.09	ppb
Tin	118-1	0.55	0.55	0.51	0.54	4.04	ppb
Titanium	47-1	1.35	1.33	1.38	1.35	1.59	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:43:00	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.06	0.06	0.05	0.06	10.77	ppb
Vanadium	51-2	0.22	0.21	0.24	0.22	8.63	ppb
Yttrium	89-1				94		%
Yttrium	89-2				97		%
Zinc	66-2	9.02	8.97	9.18	9.06	1.21	ppb
Zirconium	90-1	0.54	0.57	0.54	0.55	2.79	ppb
Zirconium	91-1	0.51	0.56	0.51	0.52	5.70	ppb

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICV007	Instrumnet Name :	P7
Client Sample ID :	ICV007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:59:56	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	484.07	487.54	575.82	515.81	10.08	ppb
Antimony	121-1	193.84	194.98	197.60	195.47	0.99	ppb
Arsenic	75-2	203.32	201.38	237.07	213.92	9.38	ppb
Barium	135-1	91.54	92.72	93.91	92.72	1.27	ppb
Barium	137-1	92.04	92.15	93.77	92.65	1.04	ppb
Beryllium	9-1	104.56	107.30	107.85	106.57	1.66	ppb
Bismuth	209-1				97		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	94.66	96.51	95.49	95.55	0.96	ppb
Cadmium	106-1	93.14	93.43	93.60	93.39	0.25	ppb
Cadmium	111-1	103.51	105.18	107.57	105.42	1.94	ppb
Calcium	43-1	1936.34	1985.87	2029.77	1983.99	2.36	ppb
Calcium	44-1	1984.80	1982.76	2033.07	2000.21	1.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	101.76	102.47	119.63	107.95	9.38	ppb
Cobalt	59-2	100.39	100.70	118.55	106.55	9.76	ppb
Copper	63-2	94.51	94.52	111.14	100.06	9.60	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				96		%
Indium	115-1				94		%
Indium	115-2				92		%
Iron	56-2	2016.34	2017.64	2358.57	2130.85	9.26	ppb
Iron	57-2	2031.39	2067.38	2422.93	2173.90	9.96	ppb
Iron	54-2	2144.64	2152.15	2518.33	2271.71	9.40	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICV007	Instrumnet Name :	P7
Client Sample ID :	ICV007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:59:56	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	187.54	195.03	196.89	193.16	2.56	ppb
Lead	207-1	178.66	185.41	187.35	183.81	2.48	ppb
Lead	208-1	181.97	188.69	191.57	187.41	2.63	ppb
Lithium	6-1				103		%
Magnesium	24-2	1193.89	1204.69	1414.39	1270.99	9.78	ppb
Manganese	55-2	101.18	101.14	118.27	106.86	9.25	ppb
Molybdenum	94-1	0.16	0.20	0.18	0.18	11.56	ppb
Molybdenum	95-1	0.07	0.07	0.06	0.06	8.47	ppb
Molybdenum	96-1	0.11	0.12	0.10	0.11	11.64	ppb
Molybdenum	97-1	0.04	0.08	0.07	0.07	29.70	ppb
Molybdenum	98-1	0.08	0.06	0.08	0.07	13.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	104.85	103.96	123.29	110.70	9.86	ppb
Phosphorus	31-2	-19.00	-18.32	-13.68	-17.00		ppb
Potassium	39-2	2041.53	2055.04	2435.75	2177.44	10.28	ppb
Rhodium	103-1				94		%
Rhodium	103-2				93		%
Scandium	45-1				94		%
Scandium	45-2				91		%
Selenium	82-1	206.63	215.41	211.42	211.15	2.08	ppb
Selenium	77-2	203.71	213.51	228.59	215.27	5.82	ppb
Selenium	78-2	206.54	215.09	249.78	223.80	10.23	ppb
Silicon	28-1	1.54	1.25	2.13	1.64	27.21	ppb
Silver	107-1	48.05	48.88	49.92	48.95	1.91	ppb
Silver	109-1	47.88	49.01	49.73	48.88	1.91	ppb
Sodium	23-2	2020.70	2025.41	2373.01	2139.71	9.44	ppb
Strontium	86-1	0.35	0.34	0.31	0.33	5.50	ppb
Strontium	88-1	0.35	0.36	0.35	0.35	2.13	ppb
Sulfur	34-1	895.47	649.74	793.42	779.54	15.84	ppb
Terbium	159-1				96		%
Terbium	159-2				95		%
Thallium	203-1	184.70	192.56	192.56	189.94	2.39	ppb
Thallium	205-1	213.79	221.80	222.07	219.22	2.15	ppb
Tin	118-1	0.14	0.13	0.13	0.13	4.82	ppb
Titanium	47-1	0.11	0.01	0.08	0.07	75.25	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICV007	Instrumnet Name :	P7
Client Sample ID :	ICV007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:59:56	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	19.89	ppb
Vanadium	51-2	98.18	98.18	115.10	103.82	9.41	ppb
Yttrium	89-1				93		%
Yttrium	89-2				93		%
Zinc	66-2	193.93	194.96	228.61	205.83	9.59	ppb
Zirconium	90-1	0.06	0.06	0.06	0.06	7.56	ppb
Zirconium	91-1	0.09	0.09	0.06	0.08	20.69	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICB007	Instrumnet Name :	P7
Client Sample ID :	ICB007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:04:17	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.28	0.40	-0.17	0.17	176.17	ppb
Antimony	121-1	0.06	0.07	0.10	0.08	22.70	ppb
Arsenic	75-2	0.02	0.03	0.02	0.02	50.70	ppb
Barium	135-1	0.02	0.04	0.01	0.02	48.21	ppb
Barium	137-1	0.04	0.04	0.02	0.03	21.99	ppb
Beryllium	9-1	0.02	0.02	0.00	0.01	80.49	ppb
Bismuth	209-1				104		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.07	-0.10	-0.06	-0.08		ppb
Cadmium	106-1	-1.01	0.00	-1.81	-0.94		ppb
Cadmium	111-1	-0.05	0.02	-0.10	-0.04		ppb
Calcium	43-1	-1.01	-2.89	1.63	-0.76		ppb
Calcium	44-1	-6.72	-5.38	-5.50	-5.87		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.03	-0.03	-0.04	-0.03		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	0.04	0.10	0.03	0.06	65.68	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				103		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	0.61	0.60	0.54	0.58	6.06	ppb
Iron	57-2	-1.98	-2.53	1.33	-1.06		ppb
Iron	54-2	0.47	1.38	-0.57	0.43	228.55	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICB007	Instrumnet Name :	P7
Client Sample ID :	ICB007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:04:17	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.08	0.06	0.08	0.07	12.96	ppb
Lead	207-1	0.06	0.06	0.06	0.06	2.75	ppb
Lead	208-1	0.07	0.06	0.07	0.06	6.60	ppb
Lithium	6-1				109		%
Magnesium	24-2	1.94	1.69	2.15	1.93	11.83	ppb
Manganese	55-2	0.00	0.01	0.00	0.00	364.00	ppb
Molybdenum	94-1	0.04	0.04	0.06	0.05	27.25	ppb
Molybdenum	95-1	0.04	0.04	0.04	0.04	6.33	ppb
Molybdenum	96-1	0.05	0.04	0.05	0.05	7.11	ppb
Molybdenum	97-1	0.06	0.03	0.07	0.05	37.67	ppb
Molybdenum	98-1	0.04	0.04	0.04	0.04	1.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	0.03	0.01	0.01	287.57	ppb
Phosphorus	31-2	-19.13	-19.77	-19.24	-19.38		ppb
Potassium	39-2	-6.53	-1.83	0.79	-2.52		ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				98		%
Scandium	45-2				98		%
Selenium	82-1	0.82	-0.38	-0.47	-0.01		ppb
Selenium	77-2	-0.01	0.00	0.00	0.00		ppb
Selenium	78-2	-2.82	-0.78	-0.35	-1.32		ppb
Silicon	28-1	-2.05	-1.88	-0.86	-1.60		ppb
Silver	107-1	0.03	0.02	0.02	0.02	19.26	ppb
Silver	109-1	0.02	0.02	0.02	0.02	18.80	ppb
Sodium	23-2	17.49	17.45	16.45	17.13	3.44	ppb
Strontium	86-1	0.09	0.09	0.07	0.08	14.96	ppb
Strontium	88-1	0.08	0.08	0.09	0.08	2.56	ppb
Sulfur	34-1	242.65	310.88	439.43	330.99	30.19	ppb
Terbium	159-1				101		%
Terbium	159-2				102		%
Thallium	203-1	0.05	0.05	0.04	0.05	13.45	ppb
Thallium	205-1	0.04	0.05	0.04	0.04	12.62	ppb
Tin	118-1	0.08	0.10	0.09	0.09	8.41	ppb
Titanium	47-1	-0.02	0.02	0.03	0.01	249.55	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICB007	Instrumnet Name :	P7
Client Sample ID :	ICB007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:04:17	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	8.81	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	70.90	ppb
Yttrium	89-1				98		%
Yttrium	89-2				100		%
Zinc	66-2	0.09	0.17	0.11	0.12	34.21	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	387.44	ppb
Zirconium	91-1	0.00	0.00	0.00	0.00	151.55	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICSA007	Instrumnet Name :	P7
Client Sample ID :	ICSA007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:07:36	DataFile Name :	015ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	92431.76	92903.94	92683.41	92673.04	0.25	ppb
Antimony	121-1	1.09	1.06	1.13	1.09	2.82	ppb
Arsenic	75-2	0.43	0.51	0.34	0.43	19.39	ppb
Barium	135-1	1.35	1.32	1.53	1.40	8.02	ppb
Barium	137-1	1.38	1.45	1.38	1.40	2.95	ppb
Beryllium	9-1	0.28	0.31	0.38	0.33	16.11	ppb
Bismuth	209-1				99		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	5.36	5.08	4.13	4.86	13.29	ppb
Cadmium	106-1	-0.78	-1.71	-1.33	-1.27		ppb
Cadmium	111-1	0.13	0.10	0.11	0.11	11.89	ppb
Calcium	43-1	95836.07	96182.11	96450.00	96156.06	0.32	ppb
Calcium	44-1	94560.78	95812.89	96969.15	95780.94	1.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20.08	20.63	20.09	20.27	1.53	ppb
Cobalt	59-2	1.23	1.23	1.21	1.22	0.79	ppb
Copper	63-2	7.50	7.41	7.35	7.42	0.96	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				105		%
Indium	115-1				95		%
Indium	115-2				95		%
Iron	56-2	102189.56	102189.07	101840.65	102073.10	0.20	ppb
Iron	57-2	101477.75	101350.51	102201.67	101676.64	0.45	ppb
Iron	54-2	102380.25	101323.64	101520.51	101741.47	0.55	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICSA007	Instrumnet Name :	P7
Client Sample ID :	ICSA007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:07:36	DataFile Name :	015ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.14	4.17	4.41	4.24	3.51	ppb
Lead	207-1	3.72	3.84	3.94	3.83	2.90	ppb
Lead	208-1	3.87	3.92	4.09	3.96	2.94	ppb
Lithium	6-1				106		%
Magnesium	24-2	97994.03	97708.49	98900.44	98200.99	0.63	ppb
Manganese	55-2	8.81	8.74	8.86	8.81	0.66	ppb
Molybdenum	94-1	1479.48	1494.13	1460.65	1478.09	1.14	ppb
Molybdenum	95-1	1726.07	1778.23	1779.32	1761.20	1.73	ppb
Molybdenum	96-1	1712.93	1766.17	1770.83	1749.98	1.84	ppb
Molybdenum	97-1	1762.80	1835.04	1848.14	1815.33	2.53	ppb
Molybdenum	98-1	1738.76	1804.98	1792.38	1778.71	1.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.60	5.80	5.45	5.62	3.19	ppb
Phosphorus	31-2	101577.88	102464.11	102268.65	102103.55	0.46	ppb
Potassium	39-2	98639.62	97072.00	97678.91	97796.84	0.81	ppb
Rhodium	103-1				92		%
Rhodium	103-2				93		%
Scandium	45-1				95		%
Scandium	45-2				95		%
Selenium	82-1	0.06	0.42	-0.13	0.12	240.81	ppb
Selenium	77-2	0.01	0.40	-0.37	0.01	3171.57	ppb
Selenium	78-2	-0.12	1.23	-0.99	0.04	2565.06	ppb
Silicon	28-1	6.63	7.05	7.51	7.06	6.24	ppb
Silver	107-1	0.07	0.06	0.06	0.06	13.38	ppb
Silver	109-1	0.08	0.06	0.05	0.06	24.07	ppb
Sodium	23-2	99618.41	99382.64	99286.08	99429.04	0.17	ppb
Strontium	86-1	34.09	34.28	33.22	33.87	1.67	ppb
Strontium	88-1	34.02	34.55	34.31	34.29	0.77	ppb
Sulfur	34-1	96609.16	100021.53	99309.58	98646.76	1.82	ppb
Terbium	159-1				100		%
Terbium	159-2				102		%
Thallium	203-1	0.12	0.13	0.15	0.14	11.17	ppb
Thallium	205-1	0.11	0.12	0.12	0.12	8.51	ppb
Tin	118-1	0.23	0.28	0.22	0.25	13.10	ppb
Titanium	47-1	1779.42	1802.61	1824.11	1802.04	1.24	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICSA007	Instrumnet Name :	P7
Client Sample ID :	ICSA007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:07:36	DataFile Name :	015ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.02	0.02	14.12	ppb
Vanadium	51-2	0.17	0.20	0.18	0.18	8.02	ppb
Yttrium	89-1				94		%
Yttrium	89-2				98		%
Zinc	66-2	12.62	12.74	12.59	12.65	0.62	ppb
Zirconium	90-1	0.04	0.02	0.02	0.03	32.92	ppb
Zirconium	91-1	0.04	0.04	0.04	0.04	4.64	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICSAB007	Instrumnet Name :	P7
Client Sample ID :	ICSAB007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:10:40	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	84143.30	84706.52	83553.22	84134.34	0.69	ppb
Antimony	121-1	19.31	19.78	21.23	20.11	4.99	ppb
Arsenic	75-2	18.59	20.12	19.94	19.55	4.29	ppb
Barium	135-1	18.88	19.28	21.01	19.72	5.76	ppb
Barium	137-1	18.66	19.16	20.22	19.35	4.13	ppb
Beryllium	9-1	20.27	21.06	21.46	20.93	2.90	ppb
Bismuth	209-1				104		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	21.79	22.32	22.43	22.18	1.55	ppb
Cadmium	106-1	16.13	15.80	17.28	16.40	4.73	ppb
Cadmium	111-1	18.71	19.14	21.31	19.72	7.07	ppb
Calcium	43-1	91647.70	87672.26	94875.43	91398.46	3.95	ppb
Calcium	44-1	88058.17	88940.05	95126.27	90708.17	4.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	38.35	38.12	37.53	38.00	1.11	ppb
Cobalt	59-2	20.15	19.90	19.67	19.90	1.20	ppb
Copper	63-2	24.56	24.56	24.38	24.50	0.42	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				108		%
Indium	115-1				98		%
Indium	115-2				100		%
Iron	56-2	93590.21	93566.23	92082.21	93079.55	0.93	ppb
Iron	57-2	93513.93	92194.13	91265.47	92324.51	1.22	ppb
Iron	54-2	93799.65	93479.43	92075.77	93118.28	0.98	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICSAB007	Instrumnet Name :	P7
Client Sample ID :	ICSAB007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:10:40	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	22.30	23.44	24.68	23.47	5.08	ppb
Lead	207-1	21.57	22.07	23.55	22.40	4.59	ppb
Lead	208-1	21.72	22.35	23.83	22.64	4.79	ppb
Lithium	6-1				109		%
Magnesium	24-2	89759.12	89847.21	88612.95	89406.43	0.77	ppb
Manganese	55-2	26.73	26.59	26.18	26.50	1.09	ppb
Molybdenum	94-1	1302.21	1366.38	1455.23	1374.61	5.59	ppb
Molybdenum	95-1	1569.07	1634.56	1757.43	1653.69	5.78	ppb
Molybdenum	96-1	1535.06	1591.76	1722.93	1616.58	5.96	ppb
Molybdenum	97-1	1577.20	1655.66	1733.84	1655.57	4.73	ppb
Molybdenum	98-1	1581.57	1625.25	1736.97	1647.93	4.86	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.44	24.51	24.47	24.47	0.13	ppb
Phosphorus	31-2	94223.13	93725.40	92735.61	93561.38	0.81	ppb
Potassium	39-2	89849.68	89618.53	89325.68	89597.96	0.29	ppb
Rhodium	103-1				95		%
Rhodium	103-2				98		%
Scandium	45-1				96		%
Scandium	45-2				98		%
Selenium	82-1	18.07	18.91	22.38	19.79	11.54	ppb
Selenium	77-2	17.83	20.09	21.99	19.97	10.43	ppb
Selenium	78-2	18.57	16.03	21.39	18.66	14.35	ppb
Silicon	28-1	5.38	5.82	8.51	6.57	25.79	ppb
Silver	107-1	17.35	17.68	19.23	18.09	5.53	ppb
Silver	109-1	17.22	17.75	19.10	18.02	5.40	ppb
Sodium	23-2	91096.34	91223.68	90193.50	90837.84	0.62	ppb
Strontium	86-1	30.06	30.54	34.34	31.65	7.42	ppb
Strontium	88-1	30.24	31.01	33.64	31.63	5.64	ppb
Sulfur	34-1	90315.54	90788.46	98070.11	93058.04	4.67	ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	19.49	19.98	21.38	20.28	4.83	ppb
Thallium	205-1	19.72	20.11	21.40	20.41	4.32	ppb
Tin	118-1	0.18	0.23	0.25	0.22	15.27	ppb
Titanium	47-1	1652.51	1674.16	1806.68	1711.12	4.88	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICSAB007	Instrumnet Name :	P7
Client Sample ID :	ICSAB007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:10:40	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.02	0.02	12.01	ppb
Vanadium	51-2	19.26	18.98	19.13	19.12	0.73	ppb
Yttrium	89-1				98		%
Yttrium	89-2				101		%
Zinc	66-2	31.50	31.24	31.92	31.55	1.09	ppb
Zirconium	90-1	0.01	0.02	0.02	0.02	42.91	ppb
Zirconium	91-1	0.00	0.00	0.02	0.01	134.55	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV035	Instrumnet Name :	P7
Client Sample ID :	CCV035	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:13:48	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48688.64	49935.31	52038.10	50220.68	3.37	ppb
Antimony	121-1	484.98	498.61	503.13	495.57	1.91	ppb
Arsenic	75-2	525.29	527.05	562.90	538.41	3.94	ppb
Barium	135-1	2421.31	2450.37	2536.12	2469.26	2.42	ppb
Barium	137-1	2446.38	2457.13	2513.77	2472.43	1.46	ppb
Beryllium	9-1	500.97	504.70	516.78	507.48	1.63	ppb
Bismuth	209-1				104		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	505.08	496.90	513.38	505.12	1.63	ppb
Cadmium	106-1	500.55	517.12	519.55	512.41	2.02	ppb
Cadmium	111-1	501.86	513.25	518.76	511.29	1.68	ppb
Calcium	43-1	236506.54	245301.36	242360.36	241389.42	1.85	ppb
Calcium	44-1	236136.49	241358.20	241773.83	239756.17	1.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	484.91	492.83	521.68	499.80	3.87	ppb
Cobalt	59-2	509.55	512.07	546.62	522.75	3.96	ppb
Copper	63-2	5031.99	5042.09	5280.82	5118.30	2.75	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				103		%
Indium	115-1				97		%
Indium	115-2				94		%
Iron	56-2	123921.32	125630.64	132414.75	127322.24	3.53	ppb
Iron	57-2	123317.41	124924.36	131293.37	126511.71	3.33	ppb
Iron	54-2	124231.62	126314.89	130573.53	127040.01	2.54	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV035	Instrumnet Name :	P7
Client Sample ID :	CCV035	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:13:48	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2394.58	2437.04	2484.68	2438.77	1.85	ppb
Lead	207-1	2432.81	2487.45	2483.15	2467.80	1.23	ppb
Lead	208-1	2423.20	2462.49	2482.65	2456.11	1.23	ppb
Lithium	6-1				106		%
Magnesium	24-2	236665.38	242928.41	252365.47	243986.42	3.24	ppb
Manganese	55-2	4817.25	4944.84	5149.61	4970.57	3.37	ppb
Molybdenum	94-1	4868.71	4913.22	4987.33	4923.09	1.22	ppb
Molybdenum	95-1	4849.37	4883.11	5012.96	4915.15	1.76	ppb
Molybdenum	96-1	4870.82	4903.72	5031.17	4935.23	1.72	ppb
Molybdenum	97-1	4852.18	4866.53	4977.48	4898.73	1.40	ppb
Molybdenum	98-1	4807.50	4882.31	4988.64	4892.82	1.86	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	504.76	512.03	537.73	518.17	3.34	ppb
Phosphorus	31-2	9732.27	9931.36	10514.15	10059.26	4.04	ppb
Potassium	39-2	122342.48	124533.17	130976.07	125950.57	3.56	ppb
Rhodium	103-1				94		%
Rhodium	103-2				92		%
Scandium	45-1				98		%
Scandium	45-2				96		%
Selenium	82-1	510.66	511.36	520.38	514.13	1.06	ppb
Selenium	77-2	538.32	520.82	568.90	542.68	4.48	ppb
Selenium	78-2	520.45	530.92	558.60	536.66	3.67	ppb
Silicon	28-1	2466.43	2483.69	2419.88	2456.67	1.34	ppb
Silver	107-1	499.58	509.64	511.68	506.97	1.28	ppb
Silver	109-1	513.08	509.01	510.70	510.93	0.40	ppb
Sodium	23-2	244051.38	248326.68	259070.45	250482.84	3.09	ppb
Strontium	86-1	12118.04	12389.25	12524.98	12344.09	1.68	ppb
Strontium	88-1	12172.46	12254.96	12677.54	12368.32	2.19	ppb
Sulfur	34-1	9182.06	9361.77	9284.98	9276.27	0.97	ppb
Terbium	159-1				104		%
Terbium	159-2				102		%
Thallium	203-1	484.20	493.08	500.18	492.49	1.63	ppb
Thallium	205-1	489.41	486.70	509.73	495.28	2.54	ppb
Tin	118-1	464.93	471.69	488.72	475.11	2.58	ppb
Titanium	47-1	4781.45	4836.53	4949.09	4855.69	1.76	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV035	Instrumnet Name :	P7
Client Sample ID :	CCV035	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:13:48	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	487.18	498.48	503.81	496.49	1.71	ppb
Vanadium	51-2	491.81	500.70	524.33	505.62	3.32	ppb
Yttrium	89-1				99		%
Yttrium	89-2				98		%
Zinc	66-2	5053.67	5206.60	5371.82	5210.70	3.05	ppb
Zirconium	90-1	488.99	500.62	509.38	499.66	2.05	ppb
Zirconium	91-1	485.45	495.29	500.53	493.76	1.55	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB035	Instrumnet Name :	P7
Client Sample ID :	CCB035	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:16:34	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.24	1.98	2.21	2.15	6.71	ppb
Antimony	121-1	0.36	0.35	0.34	0.35	2.23	ppb
Arsenic	75-2	0.01	0.00	0.03	0.01	121.88	ppb
Barium	135-1	0.12	0.11	0.07	0.10	24.89	ppb
Barium	137-1	0.16	0.09	0.11	0.12	26.80	ppb
Beryllium	9-1	0.08	0.06	0.08	0.07	19.49	ppb
Bismuth	209-1				110		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.07	-0.07	0.01	-0.04		ppb
Cadmium	106-1	0.38	-1.04	-1.36	-0.67		ppb
Cadmium	111-1	0.09	-0.02	-0.08	0.00		ppb
Calcium	43-1	14.08	17.69	4.80	12.19	54.53	ppb
Calcium	44-1	6.92	4.17	2.58	4.56	48.15	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	0.04	-0.01	0.01	358.34	ppb
Cobalt	59-2	0.00	0.01	0.01	0.01	52.03	ppb
Copper	63-2	0.28	0.27	0.24	0.26	7.25	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				105		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	4.51	4.21	4.00	4.24	6.07	ppb
Iron	57-2	-1.32	1.88	3.07	1.21	187.56	ppb
Iron	54-2	3.39	2.49	3.63	3.17	18.93	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB035	Instrumnet Name :	P7
Client Sample ID :	CCB035	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:16:34	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.23	0.19	0.17	0.20	15.42	ppb
Lead	207-1	0.21	0.19	0.16	0.19	11.40	ppb
Lead	208-1	0.21	0.18	0.17	0.19	13.27	ppb
Lithium	6-1				104		%
Magnesium	24-2	9.43	8.67	8.28	8.79	6.65	ppb
Manganese	55-2	0.11	0.09	0.10	0.10	12.86	ppb
Molybdenum	94-1	0.43	0.39	0.30	0.37	17.08	ppb
Molybdenum	95-1	0.43	0.38	0.37	0.39	8.78	ppb
Molybdenum	96-1	0.47	0.38	0.36	0.40	14.76	ppb
Molybdenum	97-1	0.46	0.37	0.39	0.41	10.88	ppb
Molybdenum	98-1	0.48	0.40	0.33	0.40	18.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	-0.01	0.00	0.00	1171.21	ppb
Phosphorus	31-2	-18.03	-20.90	-15.76	-18.23		ppb
Potassium	39-2	13.55	13.17	16.84	14.52	13.92	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				98		%
Scandium	45-2				100		%
Selenium	82-1	-0.27	-0.17	-0.50	-0.31		ppb
Selenium	77-2	-0.01	-0.37	-0.37	-0.25		ppb
Selenium	78-2	-1.04	1.40	-0.28	0.03	4131.78	ppb
Silicon	28-1	-1.60	-1.31	-1.33	-1.41		ppb
Silver	107-1	0.06	0.05	0.04	0.05	22.79	ppb
Silver	109-1	0.08	0.06	0.04	0.06	27.80	ppb
Sodium	23-2	71.96	69.43	68.18	69.86	2.75	ppb
Strontium	86-1	0.60	0.41	0.39	0.46	24.71	ppb
Strontium	88-1	0.60	0.48	0.41	0.50	19.57	ppb
Sulfur	34-1	-581.60	-399.71	-430.63	-470.65		ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	0.09	0.10	0.10	0.09	4.80	ppb
Thallium	205-1	0.09	0.09	0.08	0.08	9.79	ppb
Tin	118-1	0.19	0.18	0.18	0.18	3.04	ppb
Titanium	47-1	0.37	0.25	0.22	0.28	28.45	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB035	Instrumnet Name :	P7
Client Sample ID :	CCB035	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:16:34	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.02	0.02	18.83	ppb
Vanadium	51-2	0.02	0.01	0.02	0.02	21.12	ppb
Yttrium	89-1				100		%
Yttrium	89-2				102		%
Zinc	66-2	0.17	0.00	0.20	0.12	85.11	ppb
Zirconium	90-1	0.04	0.04	0.04	0.04	3.51	ppb
Zirconium	91-1	0.05	0.05	0.06	0.05	12.39	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164277BL	Instrumnet Name :	P7
Client Sample ID :	PBS277	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:19:54	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.20	0.92	0.71	0.94	26.03	ppb
Antimony	121-1	0.07	0.08	0.09	0.08	10.53	ppb
Arsenic	75-2	0.03	0.00	0.02	0.02	104.72	ppb
Barium	135-1	0.05	0.03	0.06	0.05	30.39	ppb
Barium	137-1	0.04	0.04	0.06	0.05	30.85	ppb
Beryllium	9-1	0.12	0.03	0.01	0.05	108.25	ppb
Bismuth	209-1				109		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.07	-0.03	-0.10	-0.07		ppb
Cadmium	106-1	-0.75	-0.80	0.09	-0.48		ppb
Cadmium	111-1	-0.01	-0.04	0.04	-0.01		ppb
Calcium	43-1	61.43	3.46	4.44	23.11	143.62	ppb
Calcium	44-1	36.89	-3.22	-5.80	9.29	257.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	-0.06	-0.02	-0.03		ppb
Cobalt	59-2	0.01	0.01	0.00	0.01	63.63	ppb
Copper	63-2	0.18	0.19	0.11	0.16	28.24	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				105		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	1.83	1.79	1.93	1.85	3.74	ppb
Iron	57-2	-1.73	-1.36	1.69	-0.46		ppb
Iron	54-2	1.15	1.83	1.85	1.61	24.64	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164277BL	Instrumnet Name :	P7
Client Sample ID :	PBS277	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:19:54	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.11	0.09	0.09	0.10	15.23	ppb
Lead	207-1	0.11	0.10	0.09	0.10	7.53	ppb
Lead	208-1	0.11	0.10	0.10	0.10	5.46	ppb
Lithium	6-1				104		%
Magnesium	24-2	3.60	4.01	3.73	3.78	5.58	ppb
Manganese	55-2	0.02	0.01	0.02	0.02	38.13	ppb
Molybdenum	94-1	0.25	0.12	0.14	0.17	40.74	ppb
Molybdenum	95-1	0.20	0.12	0.11	0.14	35.94	ppb
Molybdenum	96-1	0.18	0.12	0.12	0.14	24.15	ppb
Molybdenum	97-1	0.17	0.12	0.11	0.13	23.69	ppb
Molybdenum	98-1	0.17	0.10	0.10	0.12	33.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	-0.01	0.02	0.00		ppb
Phosphorus	31-2	-19.52	-20.30	-21.07	-20.30		ppb
Potassium	39-2	6.15	4.61	5.82	5.52	14.71	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	82-1	0.16	0.43	0.40	0.33	45.23	ppb
Selenium	77-2	-0.37	-0.37	-0.37	-0.37		ppb
Selenium	78-2	0.77	-0.14	-1.24	-0.20		ppb
Silicon	28-1	-2.96	-2.72	-2.63	-2.77		ppb
Silver	107-1	0.03	0.02	0.02	0.02	21.07	ppb
Silver	109-1	0.02	0.02	0.02	0.02	8.22	ppb
Sodium	23-2	44.92	46.73	46.95	46.20	2.42	ppb
Strontium	86-1	0.33	0.15	0.19	0.22	41.62	ppb
Strontium	88-1	0.39	0.16	0.16	0.24	55.42	ppb
Sulfur	34-1	-635.92	-491.96	-526.88	-551.58		ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	0.04	0.04	0.03	0.04	17.04	ppb
Thallium	205-1	0.04	0.04	0.04	0.04	8.50	ppb
Tin	118-1	0.16	0.08	0.11	0.12	33.49	ppb
Titanium	47-1	0.44	0.09	0.11	0.22	90.46	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164277BL	Instrumnet Name :	P7
Client Sample ID :	PBS277	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:19:54	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.01	0.01	0.01	68.75	ppb
Vanadium	51-2	0.01	0.00	0.01	0.01	47.43	ppb
Yttrium	89-1				100		%
Yttrium	89-2				102		%
Zinc	66-2	0.10	0.11	0.01	0.07	75.54	ppb
Zirconium	90-1	0.03	0.02	0.01	0.02	44.96	ppb
Zirconium	91-1	0.01	-0.01	0.00	0.00	247.55	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164277BS	Instrumnet Name :	P7
Client Sample ID :	LCS277	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:23:11	DataFile Name :	020LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	38.47	39.24	38.08	38.59	1.53	ppb
Antimony	121-1	3.79	3.80	3.95	3.85	2.31	ppb
Arsenic	75-2	1.82	1.83	1.96	1.87	4.12	ppb
Barium	135-1	17.76	17.90	18.22	17.96	1.31	ppb
Barium	137-1	17.29	17.59	17.59	17.49	0.99	ppb
Beryllium	9-1	1.97	1.70	2.15	1.94	11.50	ppb
Bismuth	209-1				109		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.75	2.70	2.01	2.49	16.54	ppb
Cadmium	106-1	2.75	2.05	1.43	2.08	31.80	ppb
Cadmium	111-1	2.54	2.48	2.53	2.52	1.25	ppb
Calcium	43-1	935.29	923.68	952.43	937.13	1.54	ppb
Calcium	44-1	924.64	940.78	950.72	938.71	1.40	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.33	4.49	4.47	4.43	1.95	ppb
Cobalt	59-2	1.91	1.96	1.97	1.95	1.78	ppb
Copper	63-2	4.03	4.02	4.26	4.11	3.27	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				106		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	410.52	415.10	419.81	415.15	1.12	ppb
Iron	57-2	413.98	416.82	414.41	415.07	0.37	ppb
Iron	54-2	417.31	413.68	417.97	416.32	0.56	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164277BS	Instrumnet Name :	P7
Client Sample ID :	LCS277	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:23:11	DataFile Name :	020LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.73	1.83	1.71	1.76	3.61	ppb
Lead	207-1	1.67	1.85	1.72	1.75	5.39	ppb
Lead	208-1	1.71	1.78	1.70	1.73	2.49	ppb
Lithium	6-1				105		%
Magnesium	24-2	1024.51	1031.22	1048.44	1034.72	1.19	ppb
Manganese	55-2	2.00	2.12	2.10	2.07	2.98	ppb
Molybdenum	94-1	10.13	10.71	10.48	10.44	2.83	ppb
Molybdenum	95-1	8.64	8.90	8.76	8.77	1.54	ppb
Molybdenum	96-1	8.68	8.86	8.77	8.77	1.05	ppb
Molybdenum	97-1	8.59	8.70	8.87	8.72	1.58	ppb
Molybdenum	98-1	8.28	8.57	8.62	8.49	2.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.24	2.29	2.26	2.26	1.09	ppb
Phosphorus	31-2	-16.75	-20.17	-20.36	-19.10		ppb
Potassium	39-2	999.27	1023.10	1037.45	1019.94	1.89	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				98		%
Selenium	82-1	10.37	9.54	10.41	10.11	4.85	ppb
Selenium	77-2	7.30	13.44	9.64	10.13	30.59	ppb
Selenium	78-2	10.67	13.30	8.89	10.95	20.26	ppb
Silicon	28-1	3.48	3.97	4.20	3.88	9.39	ppb
Silver	107-1	1.86	1.90	1.92	1.90	1.65	ppb
Silver	109-1	1.78	1.87	1.90	1.85	3.29	ppb
Sodium	23-2	1000.56	1022.29	1035.56	1019.47	1.73	ppb
Strontium	86-1	1.88	1.92	2.02	1.94	3.96	ppb
Strontium	88-1	1.94	2.00	2.01	1.98	1.93	ppb
Sulfur	34-1	-497.23	-490.99	-402.57	-463.60		ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	1.65	1.72	1.65	1.67	2.55	ppb
Thallium	205-1	1.68	1.69	1.70	1.69	0.35	ppb
Tin	118-1	0.18	0.15	0.10	0.15	26.61	ppb
Titanium	47-1	8.54	8.60	8.90	8.68	2.20	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164277BS	Instrumnet Name :	P7
Client Sample ID :	LCS277	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:23:11	DataFile Name :	020LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.57	1.61	1.59	1.59	1.19	ppb
Vanadium	51-2	9.66	9.53	10.00	9.73	2.47	ppb
Yttrium	89-1				99		%
Yttrium	89-2				100		%
Zinc	66-2	9.76	10.26	9.93	9.98	2.54	ppb
Zirconium	90-1	1.90	1.98	1.95	1.94	2.12	ppb
Zirconium	91-1	1.95	1.87	1.96	1.93	2.65	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164277BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD277	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:26:30	DataFile Name :	021LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20.53	20.62	19.90	20.35	1.93	ppb
Antimony	121-1	1.98	1.95	1.94	1.96	1.09	ppb
Arsenic	75-2	0.91	1.02	1.07	1.00	8.09	ppb
Barium	135-1	8.93	8.76	9.03	8.91	1.51	ppb
Barium	137-1	8.84	9.05	8.81	8.90	1.46	ppb
Beryllium	9-1	0.88	1.07	1.14	1.03	12.74	ppb
Bismuth	209-1				109		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.18	1.54	1.10	1.28	18.20	ppb
Cadmium	106-1	0.86	-0.23	0.34	0.32	170.21	ppb
Cadmium	111-1	1.21	1.20	1.32	1.24	5.24	ppb
Calcium	43-1	470.66	476.97	479.61	475.75	0.97	ppb
Calcium	44-1	463.03	471.90	477.99	470.97	1.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.19	2.08	2.21	2.16	3.24	ppb
Cobalt	59-2	0.98	0.90	0.95	0.94	4.44	ppb
Copper	63-2	2.22	2.16	2.21	2.20	1.42	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				105		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	210.31	207.47	208.27	208.69	0.70	ppb
Iron	57-2	205.71	207.80	202.90	205.47	1.20	ppb
Iron	54-2	215.74	204.47	210.04	210.09	2.68	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164277BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD277	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:26:30	DataFile Name :	021LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.92	0.96	0.91	0.93	3.24	ppb
Lead	207-1	0.84	0.92	0.92	0.89	4.99	ppb
Lead	208-1	0.91	0.95	0.93	0.93	2.44	ppb
Lithium	6-1				105		%
Magnesium	24-2	525.10	515.26	521.38	520.58	0.95	ppb
Manganese	55-2	1.11	1.17	1.09	1.12	3.65	ppb
Molybdenum	94-1	5.38	5.11	5.42	5.30	3.17	ppb
Molybdenum	95-1	4.33	4.28	4.39	4.33	1.27	ppb
Molybdenum	96-1	4.49	4.38	4.41	4.42	1.27	ppb
Molybdenum	97-1	4.34	4.38	4.43	4.38	0.95	ppb
Molybdenum	98-1	4.26	4.36	4.44	4.35	2.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.10	1.12	1.17	1.13	3.11	ppb
Phosphorus	31-2	-20.22	-19.99	-14.36	-18.19		ppb
Potassium	39-2	513.35	504.88	504.91	507.71	0.96	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	82-1	5.67	5.52	5.44	5.54	2.07	ppb
Selenium	77-2	3.97	2.88	6.45	4.43	41.31	ppb
Selenium	78-2	4.22	4.50	2.59	3.77	27.47	ppb
Silicon	28-1	0.18	0.69	0.79	0.55	59.94	ppb
Silver	107-1	0.96	0.92	0.98	0.95	3.49	ppb
Silver	109-1	0.92	0.93	0.94	0.93	0.97	ppb
Sodium	23-2	526.95	513.61	525.10	521.89	1.39	ppb
Strontium	86-1	0.93	1.05	0.99	0.99	6.00	ppb
Strontium	88-1	1.03	1.04	1.04	1.04	0.48	ppb
Sulfur	34-1	-466.49	-257.15	-163.55	-295.73		ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	0.83	0.86	0.87	0.85	2.57	ppb
Thallium	205-1	0.85	0.90	0.88	0.88	2.65	ppb
Tin	118-1	0.11	0.07	0.12	0.10	28.47	ppb
Titanium	47-1	4.21	4.48	4.58	4.43	4.33	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164277BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD277	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:26:30	DataFile Name :	021LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.80	0.81	0.80	0.80	0.90	ppb
Vanadium	51-2	4.86	4.86	4.88	4.87	0.24	ppb
Yttrium	89-1				99		%
Yttrium	89-2				102		%
Zinc	66-2	5.18	5.49	4.89	5.19	5.83	ppb
Zirconium	90-1	0.97	0.96	0.97	0.97	0.62	ppb
Zirconium	91-1	0.91	0.92	0.94	0.92	1.66	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:29:47	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16632.38	16386.67	16260.35	16426.47	1.15	ppb
Antimony	121-1	0.98	1.03	1.00	1.00	2.43	ppb
Arsenic	75-2	33.53	33.38	33.37	33.43	0.28	ppb
Barium	135-1	523.96	524.73	529.35	526.01	0.55	ppb
Barium	137-1	519.53	523.23	526.24	523.00	0.64	ppb
Beryllium	9-1	0.91	0.77	0.88	0.86	8.72	ppb
Bismuth	209-1				109		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	4.10	4.11	3.66	3.96	6.49	ppb
Cadmium	106-1	4.43	3.68	3.58	3.90	11.94	ppb
Cadmium	111-1	3.58	3.51	3.52	3.54	1.17	ppb
Calcium	43-1	6985.35	7080.87	7152.85	7073.02	1.19	ppb
Calcium	44-1	6676.06	6727.58	6751.84	6718.49	0.58	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	38.87	38.72	38.13	38.57	1.01	ppb
Cobalt	59-2	18.69	18.74	18.57	18.67	0.47	ppb
Copper	63-2	432.02	433.43	428.47	431.31	0.59	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				105		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	56-2	24359.24	24426.75	23966.35	24250.78	1.03	ppb
Iron	57-2	23906.52	23815.33	23446.07	23722.64	1.03	ppb
Iron	54-2	24541.85	24315.06	24304.19	24387.03	0.55	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:29:47	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	77.14	78.09	79.12	78.11	1.27	ppb
Lead	207-1	77.73	77.46	78.88	78.03	0.97	ppb
Lead	208-1	76.58	77.13	78.37	77.36	1.18	ppb
Lithium	6-1				106		%
Magnesium	24-2	5827.12	5629.95	5701.89	5719.65	1.74	ppb
Manganese	55-2	4542.51	4584.53	4505.70	4544.25	0.87	ppb
Molybdenum	94-1	12.32	12.15	12.15	12.21	0.84	ppb
Molybdenum	95-1	0.52	0.52	0.50	0.51	2.55	ppb
Molybdenum	96-1	1.76	1.82	1.79	1.79	1.52	ppb
Molybdenum	97-1	0.42	0.46	0.48	0.45	6.66	ppb
Molybdenum	98-1	0.43	0.43	0.42	0.42	1.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	58.24	56.67	57.28	57.39	1.38	ppb
Phosphorus	31-2	1464.69	1464.62	1468.98	1466.09	0.17	ppb
Potassium	39-2	3091.89	3082.85	3066.15	3080.30	0.42	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				101		%
Selenium	82-1	0.73	0.71	1.95	1.13	62.96	ppb
Selenium	77-2	7.11	7.75	7.60	7.49	4.44	ppb
Selenium	78-2	0.01	0.96	0.97	0.65	85.66	ppb
Silicon	28-1	730.03	731.99	745.84	735.95	1.17	ppb
Silver	107-1	1.14	1.11	1.08	1.11	3.01	ppb
Silver	109-1	1.09	1.14	1.12	1.12	2.37	ppb
Sodium	23-2	148.44	147.20	142.74	146.13	2.05	ppb
Strontium	86-1	81.43	81.31	81.46	81.40	0.10	ppb
Strontium	88-1	81.67	82.17	82.44	82.09	0.48	ppb
Sulfur	34-1	-180.04	-476.50	-452.57	-369.70		ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	0.26	0.27	0.26	0.27	2.88	ppb
Thallium	205-1	0.26	0.27	0.28	0.27	3.32	ppb
Tin	118-1	2.54	2.52	2.57	2.54	0.93	ppb
Titanium	47-1	494.21	493.79	505.86	497.96	1.38	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:29:47	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.52	0.55	0.55	0.54	2.94	ppb
Vanadium	51-2	42.38	41.95	41.34	41.89	1.24	ppb
Yttrium	89-1				101		%
Yttrium	89-2				103		%
Zinc	66-2	276.75	277.97	272.92	275.88	0.96	ppb
Zirconium	90-1	7.05	7.25	7.15	7.15	1.39	ppb
Zirconium	91-1	6.93	7.19	7.19	7.11	2.10	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-05DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:33:05	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16481.84	16611.63	16422.63	16505.37	0.59	ppb
Antimony	121-1	1.00	1.00	0.98	0.99	1.24	ppb
Arsenic	75-2	32.66	34.16	34.08	33.63	2.52	ppb
Barium	135-1	484.31	488.01	496.97	489.76	1.33	ppb
Barium	137-1	479.30	488.11	492.43	486.61	1.38	ppb
Beryllium	9-1	0.89	0.91	0.83	0.88	5.17	ppb
Bismuth	209-1				109		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.74	3.56	4.19	3.83	8.47	ppb
Cadmium	106-1	3.65	3.37	3.58	3.53	4.11	ppb
Cadmium	111-1	3.53	3.42	3.75	3.57	4.74	ppb
Calcium	43-1	6869.19	7008.74	7060.65	6979.52	1.42	ppb
Calcium	44-1	6713.28	6676.82	6805.96	6732.02	0.99	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	37.97	38.63	38.71	38.44	1.05	ppb
Cobalt	59-2	18.10	18.43	17.97	18.17	1.28	ppb
Copper	63-2	427.00	432.11	427.83	428.98	0.64	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				104		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	24292.60	24559.38	24471.29	24441.09	0.56	ppb
Iron	57-2	23852.59	23887.54	23298.59	23679.57	1.40	ppb
Iron	54-2	24176.13	24399.44	24454.16	24343.24	0.61	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-05DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:33:05	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	76.34	79.64	77.65	77.88	2.14	ppb
Lead	207-1	77.26	79.99	77.86	78.37	1.83	ppb
Lead	208-1	76.29	79.23	77.46	77.66	1.90	ppb
Lithium	6-1				106		%
Magnesium	24-2	5536.11	5673.33	5657.16	5622.20	1.33	ppb
Manganese	55-2	4048.95	4060.34	4071.30	4060.20	0.28	ppb
Molybdenum	94-1	12.03	12.30	12.12	12.15	1.10	ppb
Molybdenum	95-1	0.46	0.52	0.52	0.50	6.62	ppb
Molybdenum	96-1	1.73	1.85	1.85	1.81	3.92	ppb
Molybdenum	97-1	0.48	0.39	0.45	0.44	10.27	ppb
Molybdenum	98-1	0.43	0.42	0.44	0.43	2.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	57.23	57.46	57.45	57.38	0.23	ppb
Phosphorus	31-2	1411.75	1399.36	1408.46	1406.52	0.46	ppb
Potassium	39-2	3070.46	3095.79	3103.85	3090.03	0.56	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.74	0.53	1.49	0.92	55.07	ppb
Selenium	77-2	5.39	9.36	6.48	7.07	28.96	ppb
Selenium	78-2	3.07	2.42	0.36	1.95	72.34	ppb
Silicon	28-1	727.38	745.61	734.83	735.94	1.25	ppb
Silver	107-1	1.08	1.08	1.08	1.08	0.12	ppb
Silver	109-1	1.05	1.05	1.05	1.05	0.22	ppb
Sodium	23-2	141.70	143.59	145.35	143.55	1.27	ppb
Strontium	86-1	78.74	78.00	79.56	78.77	0.99	ppb
Strontium	88-1	79.11	78.47	80.23	79.27	1.12	ppb
Sulfur	34-1	-730.01	-746.12	-838.62	-771.58		ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	0.25	0.25	0.22	0.24	8.37	ppb
Thallium	205-1	0.24	0.25	0.24	0.24	2.52	ppb
Tin	118-1	2.53	2.55	2.51	2.53	0.84	ppb
Titanium	47-1	492.94	501.31	504.66	499.63	1.21	ppb

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On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-05DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:33:05	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.52	0.56	0.53	0.54	4.13	ppb
Vanadium	51-2	41.91	41.79	42.23	41.98	0.54	ppb
Yttrium	89-1				101		%
Yttrium	89-2				102		%
Zinc	66-2	276.54	274.86	277.93	276.44	0.56	ppb
Zirconium	90-1	6.96	7.00	7.27	7.08	2.39	ppb
Zirconium	91-1	7.26	6.94	7.41	7.20	3.36	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBB7L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 13:36:14	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3363.47	3395.18	3408.31	3388.99	0.68	ppb
Antimony	121-1	0.19	0.21	0.21	0.21	4.94	ppb
Arsenic	75-2	6.69	6.95	7.13	6.92	3.18	ppb
Barium	135-1	103.95	105.10	105.91	104.99	0.94	ppb
Barium	137-1	101.88	104.39	105.46	103.91	1.77	ppb
Beryllium	9-1	0.20	0.16	0.20	0.19	10.96	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.65	0.77	0.63	0.68	11.13	ppb
Cadmium	106-1	-0.37	-0.48	-0.75	-0.53		ppb
Cadmium	111-1	0.71	0.56	0.61	0.63	12.26	ppb
Calcium	43-1	1428.62	1470.21	1470.94	1456.59	1.66	ppb
Calcium	44-1	1388.13	1440.73	1465.61	1431.49	2.76	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7.96	7.83	7.84	7.87	0.91	ppb
Cobalt	59-2	3.84	3.96	3.90	3.90	1.52	ppb
Copper	63-2	88.68	88.73	88.22	88.54	0.32	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				104		%
Indium	115-1				99		%
Indium	115-2				98		%
Iron	56-2	4924.73	4985.46	4941.46	4950.55	0.63	ppb
Iron	57-2	5029.03	5076.32	5008.78	5038.05	0.69	ppb
Iron	54-2	5105.86	5107.21	5092.87	5101.98	0.16	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBB7L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 13:36:14	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	15.67	15.52	15.84	15.68	1.04	ppb
Lead	207-1	15.71	15.87	15.94	15.84	0.73	ppb
Lead	208-1	15.75	15.59	15.78	15.71	0.66	ppb
Lithium	6-1				106		%
Magnesium	24-2	1183.43	1199.93	1185.20	1189.52	0.76	ppb
Manganese	55-2	924.00	934.71	910.48	923.06	1.32	ppb
Molybdenum	94-1	2.59	2.68	2.64	2.64	1.69	ppb
Molybdenum	95-1	0.14	0.14	0.13	0.13	5.18	ppb
Molybdenum	96-1	0.42	0.41	0.42	0.42	2.18	ppb
Molybdenum	97-1	0.13	0.15	0.13	0.14	7.90	ppb
Molybdenum	98-1	0.12	0.12	0.10	0.12	10.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	12.30	11.58	11.70	11.86	3.27	ppb
Phosphorus	31-2	296.47	284.43	288.95	289.95	2.10	ppb
Potassium	39-2	625.20	631.55	629.47	628.74	0.52	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				97		%
Scandium	45-2				96		%
Selenium	82-1	-0.16	0.63	0.27	0.25	158.45	ppb
Selenium	77-2	1.84	0.73	0.74	1.10	58.00	ppb
Selenium	78-2	-0.13	-1.87	-0.90	-0.97		ppb
Silicon	28-1	150.45	152.72	154.99	152.72	1.49	ppb
Silver	107-1	0.23	0.23	0.24	0.23	3.50	ppb
Silver	109-1	0.20	0.23	0.22	0.22	7.58	ppb
Sodium	23-2	42.93	44.35	45.62	44.30	3.04	ppb
Strontium	86-1	16.45	16.69	17.15	16.76	2.12	ppb
Strontium	88-1	16.66	16.91	17.17	16.91	1.51	ppb
Sulfur	34-1	-1357.76	-1275.31	-1137.06	-1256.71		ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	0.06	0.07	0.07	0.07	6.50	ppb
Thallium	205-1	0.06	0.06	0.06	0.06	2.15	ppb
Tin	118-1	0.51	0.53	0.51	0.52	2.56	ppb
Titanium	47-1	98.45	101.20	102.91	100.86	2.23	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBB7L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 13:36:14	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.11	0.12	0.12	0.11	5.34	ppb
Vanadium	51-2	8.54	8.61	8.83	8.66	1.75	ppb
Yttrium	89-1				97		%
Yttrium	89-2				100		%
Zinc	66-2	56.58	57.32	56.29	56.73	0.94	ppb
Zirconium	90-1	1.36	1.52	1.46	1.45	5.53	ppb
Zirconium	91-1	1.42	1.45	1.48	1.45	2.10	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-06REDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:39:32	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5.82	5.93	5.94	5.90	1.10	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	34.46	ppb
Arsenic	75-2	0.02	0.01	0.01	0.01	52.17	ppb
Barium	135-1	0.17	0.16	0.15	0.16	4.45	ppb
Barium	137-1	0.17	0.18	0.16	0.17	8.34	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	283.28	ppb
Bismuth	209-1				105		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.03	0.05	-0.03	0.00		ppb
Cadmium	106-1	-0.75	-0.77	-0.72	-0.74		ppb
Cadmium	111-1	-0.05	-0.05	-0.04	-0.05		ppb
Calcium	43-1	5.96	6.00	3.24	5.07	31.18	ppb
Calcium	44-1	-3.10	-5.27	-4.60	-4.32		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	0.03	0.01	0.01	69.93	ppb
Cobalt	59-2	0.00	0.01	0.01	0.01	69.47	ppb
Copper	63-2	0.34	0.27	0.30	0.30	11.71	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				102		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	8.28	8.07	8.28	8.21	1.50	ppb
Iron	57-2	8.31	1.95	5.23	5.16	61.54	ppb
Iron	54-2	7.37	8.15	7.50	7.67	5.44	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-06REDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:39:32	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.12	0.10	0.09	0.10	13.66	ppb
Lead	207-1	0.06	0.10	0.09	0.08	21.00	ppb
Lead	208-1	0.09	0.09	0.08	0.09	7.19	ppb
Lithium	6-1				103		%
Magnesium	24-2	4.39	3.81	3.82	4.01	8.22	ppb
Manganese	55-2	1.39	1.39	1.36	1.38	1.48	ppb
Molybdenum	94-1	0.07	0.05	0.04	0.05	24.91	ppb
Molybdenum	95-1	0.06	0.05	0.05	0.05	5.84	ppb
Molybdenum	96-1	0.05	0.05	0.04	0.05	15.31	ppb
Molybdenum	97-1	0.03	0.05	0.05	0.05	25.07	ppb
Molybdenum	98-1	0.04	0.04	0.05	0.04	10.99	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.08	0.05	0.00	0.04	96.44	ppb
Phosphorus	31-2	-17.50	-15.68	-19.58	-17.58		ppb
Potassium	39-2	-0.19	1.90	1.64	1.12	102.05	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				96		%
Scandium	45-2				95		%
Selenium	82-1	0.08	-0.14	0.37	0.11	242.29	ppb
Selenium	77-2	-0.37	0.01	-0.37	-0.24		ppb
Selenium	78-2	0.66	-0.14	-1.24	-0.24		ppb
Silicon	28-1	-1.48	-1.38	-1.16	-1.34		ppb
Silver	107-1	0.01	0.01	0.01	0.01	23.62	ppb
Silver	109-1	0.01	0.01	0.00	0.01	34.09	ppb
Sodium	23-2	18.65	18.27	14.05	16.99	15.04	ppb
Strontium	86-1	0.12	0.12	0.12	0.12	1.15	ppb
Strontium	88-1	0.12	0.12	0.11	0.12	2.60	ppb
Sulfur	34-1	-1190.30	-1298.86	-1131.78	-1206.98		ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	0.02	0.02	0.02	0.02	7.20	ppb
Thallium	205-1	0.01	0.02	0.01	0.01	23.87	ppb
Tin	118-1	0.00	-0.02	0.00	-0.01		ppb
Titanium	47-1	0.13	0.16	0.22	0.17	27.04	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-06REDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:39:32	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	9.35	ppb
Vanadium	51-2	0.03	0.03	0.01	0.02	49.50	ppb
Yttrium	89-1				96		%
Yttrium	89-2				98		%
Zinc	66-2	0.21	0.37	0.20	0.26	35.50	ppb
Zirconium	90-1	0.01	0.01	0.02	0.02	22.18	ppb
Zirconium	91-1	0.02	0.01	0.02	0.02	18.16	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04REMSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:42:49	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.82	3.28	2.88	3.33	14.05	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	24.52	ppb
Arsenic	75-2	0.02	0.00	-0.01	0.00	7683.26	ppb
Barium	135-1	0.05	0.06	0.04	0.05	19.43	ppb
Barium	137-1	0.08	0.05	0.07	0.07	17.23	ppb
Beryllium	9-1	0.01	0.00	0.01	0.01	52.70	ppb
Bismuth	209-1				107		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.10	-0.03	-0.14	-0.09		ppb
Cadmium	106-1	-1.29	-0.46	-0.13	-0.63		ppb
Cadmium	111-1	-0.09	-0.02	0.01	-0.03		ppb
Calcium	43-1	6.26	0.48	4.67	3.80	78.55	ppb
Calcium	44-1	-5.77	-6.28	-5.77	-5.94		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.04	0.05	0.00	0.03	76.15	ppb
Cobalt	59-2	0.00	0.01	0.00	0.00	150.86	ppb
Copper	63-2	0.16	0.15	0.14	0.15	6.11	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				102		%
Indium	115-1				98		%
Indium	115-2				99		%
Iron	56-2	3.30	3.64	3.39	3.44	5.09	ppb
Iron	57-2	0.52	1.54	0.95	1.00	51.14	ppb
Iron	54-2	4.48	2.84	2.40	3.24	33.89	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04REMSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:42:49	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.07	0.05	0.08	0.06	22.19	ppb
Lead	207-1	0.05	0.07	0.06	0.06	10.93	ppb
Lead	208-1	0.06	0.06	0.06	0.06	2.73	ppb
Lithium	6-1				104		%
Magnesium	24-2	2.89	2.54	3.07	2.83	9.55	ppb
Manganese	55-2	0.46	0.38	0.38	0.41	10.80	ppb
Molybdenum	94-1	0.05	0.06	0.05	0.05	8.11	ppb
Molybdenum	95-1	0.04	0.06	0.05	0.05	21.34	ppb
Molybdenum	96-1	0.05	0.04	0.05	0.05	8.31	ppb
Molybdenum	97-1	0.05	0.06	0.04	0.05	25.03	ppb
Molybdenum	98-1	0.05	0.04	0.04	0.04	15.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.03	0.04	0.00	0.02	89.17	ppb
Phosphorus	31-2	-16.19	-21.84	-16.30	-18.11		ppb
Potassium	39-2	-3.65	-0.73	-4.54	-2.97		ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				97		%
Scandium	45-2				95		%
Selenium	82-1	-0.55	-0.72	-0.15	-0.47		ppb
Selenium	77-2	-0.37	-0.37	-0.37	-0.37		ppb
Selenium	78-2	0.00	-3.14	-2.29	-1.81		ppb
Silicon	28-1	-2.36	-1.85	-2.06	-2.09		ppb
Silver	107-1	0.01	0.01	0.01	0.01	8.92	ppb
Silver	109-1	0.01	0.01	0.01	0.01	8.03	ppb
Sodium	23-2	16.19	17.44	14.51	16.05	9.18	ppb
Strontium	86-1	0.09	0.10	0.09	0.09	4.43	ppb
Strontium	88-1	0.10	0.09	0.09	0.09	2.45	ppb
Sulfur	34-1	-1220.30	-1101.41	-1249.16	-1190.29		ppb
Terbium	159-1				101		%
Terbium	159-2				102		%
Thallium	203-1	0.02	0.02	0.02	0.02	10.89	ppb
Thallium	205-1	0.01	0.01	0.02	0.01	24.36	ppb
Tin	118-1	0.03	0.00	0.01	0.01	103.71	ppb
Titanium	47-1	0.08	0.06	0.11	0.08	30.56	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04REMSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:42:49	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	11.58	ppb
Vanadium	51-2	0.01	0.01	0.01	0.01	23.71	ppb
Yttrium	89-1				96		%
Yttrium	89-2				99		%
Zinc	66-2	0.15	0.17	0.17	0.16	6.65	ppb
Zirconium	90-1	0.01	0.01	0.00	0.01	76.87	ppb
Zirconium	91-1	0.00	0.01	-0.01	0.00	1565.62	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-06DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:48:15	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17584.21	17226.28	17151.25	17320.58	1.34	ppb
Antimony	121-1	18.58	18.90	19.63	19.04	2.82	ppb
Arsenic	75-2	41.40	41.51	40.85	41.25	0.85	ppb
Barium	135-1	842.01	850.86	878.00	856.96	2.19	ppb
Barium	137-1	917.12	929.38	937.41	927.97	1.10	ppb
Beryllium	9-1	10.01	10.35	10.43	10.26	2.17	ppb
Bismuth	209-1				110		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	11.78	11.38	12.24	11.80	3.68	ppb
Cadmium	106-1	11.21	10.26	11.55	11.01	6.07	ppb
Cadmium	111-1	12.68	13.06	13.30	13.01	2.43	ppb
Calcium	43-1	6843.38	7212.23	7381.06	7145.56	3.85	ppb
Calcium	44-1	6611.97	6813.00	7081.90	6835.62	3.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	76.35	75.55	75.56	75.82	0.60	ppb
Cobalt	59-2	106.90	106.61	107.60	107.04	0.48	ppb
Copper	63-2	490.24	490.01	489.92	490.06	0.03	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				104		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	56-2	25338.82	25353.15	25383.18	25358.38	0.09	ppb
Iron	57-2	25117.49	25055.75	25108.00	25093.74	0.13	ppb
Iron	54-2	25780.36	25642.03	25186.01	25536.14	1.22	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-06DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:48:15	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	81.99	83.64	83.97	83.20	1.28	ppb
Lead	207-1	82.49	85.01	83.61	83.70	1.51	ppb
Lead	208-1	82.10	83.61	83.67	83.12	1.07	ppb
Lithium	6-1				109		%
Magnesium	24-2	6020.46	5909.07	5790.07	5906.53	1.95	ppb
Manganese	55-2	4438.64	4431.01	4439.93	4436.53	0.11	ppb
Molybdenum	94-1	11.53	11.92	11.89	11.78	1.82	ppb
Molybdenum	95-1	0.55	0.58	0.53	0.55	4.47	ppb
Molybdenum	96-1	1.81	1.84	1.77	1.81	2.09	ppb
Molybdenum	97-1	0.51	0.50	0.47	0.50	4.14	ppb
Molybdenum	98-1	0.44	0.46	0.49	0.46	5.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	149.88	149.42	151.29	150.20	0.65	ppb
Phosphorus	31-2	1579.04	1543.83	1521.53	1548.13	1.87	ppb
Potassium	39-2	3175.70	3153.85	3162.48	3164.01	0.35	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				102		%
Scandium	45-2				100		%
Selenium	82-1	19.58	18.34	18.97	18.96	3.25	ppb
Selenium	77-2	20.46	28.69	28.43	25.86	18.10	ppb
Selenium	78-2	18.97	22.21	23.18	21.45	10.27	ppb
Silicon	28-1	625.43	650.27	655.86	643.86	2.52	ppb
Silver	107-1	8.63	8.69	9.15	8.82	3.20	ppb
Silver	109-1	8.64	8.92	9.06	8.88	2.39	ppb
Sodium	23-2	137.05	136.10	136.08	136.41	0.41	ppb
Strontium	86-1	81.04	81.14	82.35	81.51	0.89	ppb
Strontium	88-1	81.60	82.46	82.92	82.33	0.82	ppb
Sulfur	34-1	-1354.01	-1332.38	-1372.49	-1352.96		ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	7.73	7.93	8.02	7.89	1.90	ppb
Thallium	205-1	7.66	7.89	7.94	7.83	1.87	ppb
Tin	118-1	2.61	2.65	2.87	2.71	5.30	ppb
Titanium	47-1	477.31	495.52	504.82	492.55	2.84	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-06DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:48:15	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.56	0.57	0.55	0.56	2.15	ppb
Vanadium	51-2	130.91	131.35	130.63	130.96	0.28	ppb
Yttrium	89-1				102		%
Yttrium	89-2				103		%
Zinc	66-2	373.70	372.32	373.43	373.15	0.20	ppb
Zirconium	90-1	6.95	7.05	6.99	7.00	0.70	ppb
Zirconium	91-1	6.79	6.89	7.27	6.98	3.62	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:51:25	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17570.74	17722.03	17745.39	17679.39	0.54	ppb
Antimony	121-1	71.98	83.09	75.62	76.90	7.37	ppb
Arsenic	75-2	63.55	62.24	62.99	62.93	1.04	ppb
Barium	135-1	1992.23	2288.77	2127.26	2136.09	6.95	ppb
Barium	137-1	1997.18	2268.35	2096.76	2120.76	6.47	ppb
Beryllium	9-1	38.96	43.60	40.90	41.15	5.66	ppb
Bismuth	209-1				104		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	38.85	41.88	40.74	40.49	3.77	ppb
Cadmium	106-1	36.12	43.39	37.15	38.89	10.12	ppb
Cadmium	111-1	40.55	46.39	42.72	43.22	6.83	ppb
Calcium	43-1	6944.18	7962.86	7134.64	7347.23	7.37	ppb
Calcium	44-1	6718.52	7565.10	6697.73	6993.78	7.08	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	188.49	190.33	191.41	190.08	0.78	ppb
Cobalt	59-2	392.51	403.25	398.76	398.17	1.35	ppb
Copper	63-2	629.34	631.08	638.15	632.85	0.74	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				105		%
Indium	115-1				96		%
Indium	115-2				101		%
Iron	56-2	25005.03	25265.26	25240.52	25170.27	0.57	ppb
Iron	57-2	24559.10	24868.55	24744.32	24723.99	0.63	ppb
Iron	54-2	24825.57	25276.90	25601.44	25234.64	1.54	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:51:25	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	91.49	103.05	94.11	96.22	6.30	ppb
Lead	207-1	90.53	102.84	92.48	95.28	6.94	ppb
Lead	208-1	90.27	102.15	92.80	95.07	6.58	ppb
Lithium	6-1				105		%
Magnesium	24-2	5565.34	5681.38	5721.26	5655.99	1.43	ppb
Manganese	55-2	4625.70	4668.50	4649.07	4647.76	0.46	ppb
Molybdenum	94-1	11.64	12.62	11.35	11.87	5.61	ppb
Molybdenum	95-1	0.54	0.62	0.59	0.58	6.46	ppb
Molybdenum	96-1	1.89	1.89	1.77	1.85	3.68	ppb
Molybdenum	97-1	0.46	0.51	0.51	0.49	5.88	ppb
Molybdenum	98-1	0.47	0.51	0.48	0.48	4.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	436.87	438.19	442.15	439.07	0.63	ppb
Phosphorus	31-2	1459.58	1403.90	1464.08	1442.52	2.32	ppb
Potassium	39-2	3047.01	3066.55	3104.29	3072.62	0.95	ppb
Rhodium	103-1				96		%
Rhodium	103-2				99		%
Scandium	45-1				96		%
Scandium	45-2				98		%
Selenium	82-1	81.43	90.71	81.64	84.60	6.26	ppb
Selenium	77-2	83.43	89.66	91.76	88.28	4.91	ppb
Selenium	78-2	82.68	78.25	78.91	79.94	2.99	ppb
Silicon	28-1	623.86	710.25	649.33	661.15	6.71	ppb
Silver	107-1	29.27	32.98	31.63	31.29	5.99	ppb
Silver	109-1	28.73	33.54	31.05	31.11	7.74	ppb
Sodium	23-2	135.24	142.09	140.32	139.22	2.56	ppb
Strontium	86-1	80.27	90.45	81.38	84.03	6.65	ppb
Strontium	88-1	80.95	89.79	82.31	84.35	5.65	ppb
Sulfur	34-1	-1627.08	-937.88	-1527.42	-1364.13		ppb
Terbium	159-1				101		%
Terbium	159-2				103		%
Thallium	203-1	32.12	35.68	32.67	33.49	5.73	ppb
Thallium	205-1	31.89	36.24	32.57	33.57	6.98	ppb
Tin	118-1	2.67	3.01	2.77	2.81	6.26	ppb
Titanium	47-1	474.26	543.96	494.47	504.23	7.11	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:51:25	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.56	0.61	0.57	0.58	4.70	ppb
Vanadium	51-2	405.25	410.87	415.60	410.57	1.26	ppb
Yttrium	89-1				97		%
Yttrium	89-2				103		%
Zinc	66-2	640.29	646.93	655.96	647.73	1.21	ppb
Zirconium	90-1	6.87	7.76	7.06	7.23	6.49	ppb
Zirconium	91-1	6.60	7.60	6.93	7.04	7.27	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04A	Instrumnet Name :	P7
Client Sample ID :	MYDBB7ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:54:30	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	61752.83	60628.49	60732.05	61037.79	1.02	ppb
Antimony	121-1	3.71	4.00	3.77	3.83	3.88	ppb
Arsenic	75-2	125.43	127.02	123.06	125.17	1.60	ppb
Barium	135-1	2151.20	2211.57	2192.98	2185.25	1.41	ppb
Barium	137-1	2139.36	2220.78	2214.18	2191.44	2.06	ppb
Beryllium	9-1	3.15	3.60	3.69	3.48	8.37	ppb
Bismuth	209-1				111		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	13.95	13.31	14.86	14.04	5.53	ppb
Cadmium	106-1	16.05	15.23	13.15	14.81	10.09	ppb
Cadmium	111-1	13.18	13.95	13.62	13.58	2.81	ppb
Calcium	43-1	24933.43	25856.56	26467.24	25752.41	3.00	ppb
Calcium	44-1	24023.61	24816.04	25183.92	24674.52	2.40	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	145.91	144.43	144.80	145.05	0.53	ppb
Cobalt	59-2	70.17	69.52	69.42	69.70	0.59	ppb
Copper	63-2	1663.56	1659.56	1641.38	1654.83	0.71	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				105		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	91663.73	90899.01	90573.52	91045.42	0.61	ppb
Iron	57-2	89815.08	89888.24	88991.15	89564.82	0.56	ppb
Iron	54-2	90717.04	90218.30	90213.73	90383.02	0.32	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04A	Instrumnet Name :	P7
Client Sample ID :	MYDBB7ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:54:30	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	292.30	300.44	301.72	298.15	1.71	ppb
Lead	207-1	295.81	302.28	299.35	299.14	1.08	ppb
Lead	208-1	316.32	324.81	324.57	321.90	1.50	ppb
Lithium	6-1				107		%
Magnesium	24-2	21258.83	21169.92	21181.40	21203.39	0.23	ppb
Manganese	55-2	16919.14	16831.88	16834.04	16861.69	0.30	ppb
Molybdenum	94-1	45.55	48.20	48.64	47.46	3.52	ppb
Molybdenum	95-1	1.73	1.84	1.76	1.77	3.07	ppb
Molybdenum	96-1	6.54	6.77	7.20	6.84	4.89	ppb
Molybdenum	97-1	1.50	1.46	1.48	1.48	1.26	ppb
Molybdenum	98-1	1.44	1.48	1.54	1.49	3.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	215.69	214.18	213.59	214.49	0.51	ppb
Phosphorus	31-2	5449.99	5490.54	5341.32	5427.29	1.42	ppb
Potassium	39-2	11099.13	10954.58	10823.43	10959.05	1.26	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				106		%
Scandium	45-2				104		%
Selenium	82-1	2.38	3.40	3.90	3.23	23.88	ppb
Selenium	77-2	26.85	29.78	37.28	31.30	17.18	ppb
Selenium	78-2	7.80	6.07	6.20	6.69	14.39	ppb
Silicon	28-1	2652.68	2684.49	2745.07	2694.08	1.74	ppb
Silver	107-1	8.23	8.64	8.54	8.47	2.50	ppb
Silver	109-1	8.34	8.52	8.51	8.46	1.24	ppb
Sodium	23-2	489.75	492.34	492.13	491.41	0.29	ppb
Strontium	86-1	290.96	300.53	304.03	298.50	2.27	ppb
Strontium	88-1	299.38	313.41	314.20	309.00	2.70	ppb
Sulfur	34-1	-1201.00	-1289.98	-1119.16	-1203.38		ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	0.87	0.91	0.92	0.90	3.35	ppb
Thallium	205-1	0.87	0.88	0.91	0.89	2.84	ppb
Tin	118-1	9.61	9.95	9.74	9.76	1.77	ppb
Titanium	47-1	1796.80	1859.57	1886.89	1847.75	2.50	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04A	Instrumnet Name :	P7
Client Sample ID :	MYDBB7ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:54:30	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.02	2.13	2.14	2.10	3.15	ppb
Vanadium	51-2	159.87	158.95	157.26	158.69	0.83	ppb
Yttrium	89-1				107		%
Yttrium	89-2				108		%
Zinc	66-2	1048.17	1027.85	1026.46	1034.16	1.18	ppb
Zirconium	90-1	27.12	28.27	28.47	27.95	2.62	ppb
Zirconium	91-1	27.42	27.75	28.73	27.97	2.43	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV036	Instrumnet Name :	P7
Client Sample ID :	CCV036	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:57:36	DataFile Name :	030CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48983.05	49427.03	48638.36	49016.14	0.81	ppb
Antimony	121-1	476.57	482.86	500.83	486.75	2.59	ppb
Arsenic	75-2	529.24	522.51	518.75	523.50	1.02	ppb
Barium	135-1	2417.91	2410.79	2512.23	2446.98	2.31	ppb
Barium	137-1	2364.38	2400.97	2471.62	2412.32	2.26	ppb
Beryllium	9-1	499.39	497.06	507.78	501.41	1.12	ppb
Bismuth	209-1				106		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	495.21	499.97	517.73	504.30	2.35	ppb
Cadmium	106-1	499.03	501.01	514.93	504.99	1.72	ppb
Cadmium	111-1	493.91	501.20	513.90	503.00	2.01	ppb
Calcium	43-1	241359.65	239921.50	248323.77	243201.64	1.85	ppb
Calcium	44-1	238496.67	238114.66	243343.98	239985.10	1.21	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	479.86	491.92	482.39	484.73	1.31	ppb
Cobalt	59-2	516.96	518.32	510.74	515.34	0.78	ppb
Copper	63-2	5008.94	5027.00	4979.88	5005.27	0.47	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				108		%
Indium	115-1				98		%
Indium	115-2				97		%
Iron	56-2	123399.02	124569.28	123364.21	123777.50	0.55	ppb
Iron	57-2	123014.41	124140.73	122501.48	123218.87	0.68	ppb
Iron	54-2	124098.02	123966.66	123587.30	123884.00	0.21	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV036	Instrumnet Name :	P7
Client Sample ID :	CCV036	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:57:36	DataFile Name :	030CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2442.94	2424.37	2444.35	2437.22	0.46	ppb
Lead	207-1	2473.11	2452.01	2464.18	2463.10	0.43	ppb
Lead	208-1	2450.69	2445.17	2442.77	2446.21	0.17	ppb
Lithium	6-1				108		%
Magnesium	24-2	239595.89	241173.03	236217.44	238995.45	1.06	ppb
Manganese	55-2	4854.31	4837.26	4814.52	4835.36	0.41	ppb
Molybdenum	94-1	4834.60	4934.13	4950.58	4906.44	1.28	ppb
Molybdenum	95-1	4848.33	4833.21	4934.13	4871.89	1.12	ppb
Molybdenum	96-1	4831.15	4812.83	4948.75	4864.24	1.52	ppb
Molybdenum	97-1	4802.42	4855.49	4904.86	4854.26	1.06	ppb
Molybdenum	98-1	4784.00	4819.42	4906.19	4836.54	1.30	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	508.79	511.12	506.48	508.80	0.46	ppb
Phosphorus	31-2	9763.61	9655.07	9796.68	9738.45	0.76	ppb
Potassium	39-2	120757.38	122675.45	121226.17	121553.00	0.82	ppb
Rhodium	103-1				96		%
Rhodium	103-2				95		%
Scandium	45-1				98		%
Scandium	45-2				99		%
Selenium	82-1	498.63	505.43	514.35	506.14	1.56	ppb
Selenium	77-2	521.91	523.39	524.04	523.11	0.21	ppb
Selenium	78-2	542.20	521.83	530.64	531.56	1.92	ppb
Silicon	28-1	2409.23	2436.43	2486.43	2444.03	1.60	ppb
Silver	107-1	497.90	503.78	512.02	504.57	1.41	ppb
Silver	109-1	495.80	502.27	518.65	505.57	2.33	ppb
Sodium	23-2	245000.34	246134.17	243125.30	244753.27	0.62	ppb
Strontium	86-1	11898.86	12079.64	12162.99	12047.16	1.12	ppb
Strontium	88-1	11962.12	12146.61	12326.14	12144.96	1.50	ppb
Sulfur	34-1	9030.19	8928.26	9417.18	9125.21	2.83	ppb
Terbium	159-1				105		%
Terbium	159-2				106		%
Thallium	203-1	490.85	486.72	497.61	491.72	1.12	ppb
Thallium	205-1	487.36	489.82	486.14	487.77	0.38	ppb
Tin	118-1	459.81	469.39	491.15	473.45	3.39	ppb
Titanium	47-1	4787.33	4802.38	4936.21	4841.97	1.69	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV036	Instrumnet Name :	P7
Client Sample ID :	CCV036	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:57:36	DataFile Name :	030CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	500.48	495.08	492.29	495.95	0.84	ppb
Vanadium	51-2	497.32	495.58	488.26	493.72	0.97	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	5005.63	5076.57	4947.13	5009.78	1.29	ppb
Zirconium	90-1	488.47	491.03	501.39	493.63	1.39	ppb
Zirconium	91-1	478.83	484.12	493.95	485.64	1.58	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB036	Instrumnet Name :	P7
Client Sample ID :	CCB036	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:00:36	DataFile Name :	031CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.12	1.80	2.04	2.32	30.45	ppb
Antimony	121-1	0.28	0.26	0.31	0.28	7.68	ppb
Arsenic	75-2	0.04	0.01	0.03	0.03	69.75	ppb
Barium	135-1	0.14	0.14	0.10	0.12	19.88	ppb
Barium	137-1	0.15	0.14	0.09	0.13	24.36	ppb
Beryllium	9-1	0.04	0.04	0.01	0.03	62.56	ppb
Bismuth	209-1				111		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.07	-0.03	0.16	0.02	657.64	ppb
Cadmium	106-1	-0.61	-1.16	-1.16	-0.98		ppb
Cadmium	111-1	0.03	-0.04	-0.04	-0.02		ppb
Calcium	43-1	12.35	6.68	8.03	9.02	32.84	ppb
Calcium	44-1	-0.69	-3.55	-3.23	-2.49		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	0.03	0.02	0.02	27.94	ppb
Cobalt	59-2	0.01	0.02	0.01	0.01	46.11	ppb
Copper	63-2	0.29	0.33	0.25	0.29	12.60	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				106		%
Indium	115-1				103		%
Indium	115-2				101		%
Iron	56-2	4.52	4.41	4.36	4.43	1.88	ppb
Iron	57-2	-0.01	0.08	-0.12	-0.02		ppb
Iron	54-2	8.39	3.64	3.75	5.26	51.49	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB036	Instrumnet Name :	P7
Client Sample ID :	CCB036	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:00:36	DataFile Name :	031CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.18	0.19	0.12	0.16	22.00	ppb
Lead	207-1	0.18	0.16	0.13	0.16	16.23	ppb
Lead	208-1	0.18	0.16	0.14	0.16	13.53	ppb
Lithium	6-1				106		%
Magnesium	24-2	70.10	7.94	7.09	28.38	127.34	ppb
Manganese	55-2	0.32	0.26	0.31	0.29	11.63	ppb
Molybdenum	94-1	0.42	0.31	0.33	0.35	16.49	ppb
Molybdenum	95-1	0.38	0.29	0.26	0.31	20.53	ppb
Molybdenum	96-1	0.37	0.29	0.29	0.32	13.72	ppb
Molybdenum	97-1	0.37	0.28	0.33	0.32	12.67	ppb
Molybdenum	98-1	0.39	0.31	0.30	0.34	15.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	0.03	-0.03	0.01	426.06	ppb
Phosphorus	31-2	-24.07	-16.49	-17.65	-19.40		ppb
Potassium	39-2	0.91	3.18	3.06	2.38	53.77	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	82-1	0.82	0.60	-0.13	0.43	116.61	ppb
Selenium	77-2	-0.01	-0.37	0.00	-0.13		ppb
Selenium	78-2	-1.52	0.98	-2.10	-0.88		ppb
Silicon	28-1	-2.68	-2.59	-2.50	-2.59		ppb
Silver	107-1	0.06	0.05	0.04	0.05	21.28	ppb
Silver	109-1	0.06	0.06	0.05	0.06	13.67	ppb
Sodium	23-2	52.10	51.36	47.70	50.39	4.68	ppb
Strontium	86-1	0.54	0.42	0.34	0.44	23.33	ppb
Strontium	88-1	0.59	0.44	0.39	0.47	22.03	ppb
Sulfur	34-1	-601.49	-460.93	-397.89	-486.77		ppb
Terbium	159-1				105		%
Terbium	159-2				103		%
Thallium	203-1	0.08	0.08	0.06	0.07	19.58	ppb
Thallium	205-1	0.09	0.08	0.06	0.08	16.56	ppb
Tin	118-1	0.13	0.16	0.18	0.16	17.03	ppb
Titanium	47-1	0.16	0.21	0.25	0.21	23.58	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB036	Instrumnet Name :	P7
Client Sample ID :	CCB036	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:00:36	DataFile Name :	031CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.02	0.02	15.51	ppb
Vanadium	51-2	0.01	0.02	0.01	0.01	41.80	ppb
Yttrium	89-1				100		%
Yttrium	89-2				102		%
Zinc	66-2	0.17	0.20	0.15	0.17	14.81	ppb
Zirconium	90-1	0.05	0.04	0.03	0.04	25.68	ppb
Zirconium	91-1	0.03	0.03	0.03	0.03	8.06	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164345BL	Instrumnet Name :	P7
Client Sample ID :	PBS345	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:05:45	DataFile Name :	032CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.48	0.86	0.81	1.05	35.55	ppb
Antimony	121-1	0.05	0.05	0.05	0.05	0.95	ppb
Arsenic	75-2	0.00	0.01	0.02	0.01	166.46	ppb
Barium	135-1	0.06	0.04	0.09	0.06	40.70	ppb
Barium	137-1	0.08	0.05	0.06	0.06	26.23	ppb
Beryllium	9-1	0.02	0.03	0.00	0.02	73.70	ppb
Bismuth	209-1				111		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.07	-0.11	-0.14	-0.11		ppb
Cadmium	106-1	-2.15	-1.33	-1.86	-1.78		ppb
Cadmium	111-1	-0.14	-0.08	-0.10	-0.10		ppb
Calcium	43-1	3.22	4.44	0.56	2.74	72.50	ppb
Calcium	44-1	-9.00	-8.55	-11.21	-9.59		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	-0.01	-0.02	-0.01		ppb
Cobalt	59-2	0.01	0.00	0.01	0.01	124.70	ppb
Copper	63-2	0.11	0.16	0.15	0.14	21.27	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				106		%
Indium	115-1				103		%
Indium	115-2				102		%
Iron	56-2	1.84	1.89	1.95	1.89	2.79	ppb
Iron	57-2	-5.75	-3.92	-0.42	-3.36		ppb
Iron	54-2	1.50	1.98	1.38	1.62	19.48	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164345BL	Instrumnet Name :	P7
Client Sample ID :	PBS345	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:05:45	DataFile Name :	032CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.09	0.07	0.06	0.07	21.28	ppb
Lead	207-1	0.07	0.07	0.07	0.07	0.56	ppb
Lead	208-1	0.08	0.07	0.07	0.07	4.96	ppb
Lithium	6-1				106		%
Magnesium	24-2	3.66	3.51	3.75	3.64	3.34	ppb
Manganese	55-2	0.14	0.17	0.13	0.15	15.58	ppb
Molybdenum	94-1	0.10	0.07	0.08	0.08	17.35	ppb
Molybdenum	95-1	0.09	0.08	0.10	0.09	11.13	ppb
Molybdenum	96-1	0.09	0.09	0.08	0.08	8.78	ppb
Molybdenum	97-1	0.10	0.08	0.10	0.09	9.05	ppb
Molybdenum	98-1	0.09	0.08	0.09	0.08	8.62	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	-0.01	-0.03	-0.01		ppb
Phosphorus	31-2	-23.26	-19.80	-19.21	-20.76		ppb
Potassium	39-2	-4.70	-5.84	0.31	-3.41		ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				101		%
Scandium	45-2				98		%
Selenium	82-1	-0.29	0.11	-0.30	-0.16		ppb
Selenium	77-2	0.35	-0.37	0.36	0.11	367.28	ppb
Selenium	78-2	-1.55	-1.48	-1.48	-1.50		ppb
Silicon	28-1	-3.92	-3.08	-3.84	-3.61		ppb
Silver	107-1	0.02	0.02	0.01	0.01	28.61	ppb
Silver	109-1	0.02	0.02	0.01	0.02	32.19	ppb
Sodium	23-2	29.45	31.31	29.30	30.02	3.74	ppb
Strontium	86-1	0.15	0.12	0.18	0.15	19.57	ppb
Strontium	88-1	0.15	0.14	0.16	0.15	4.32	ppb
Sulfur	34-1	-761.09	-541.68	-662.87	-655.21		ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	0.04	0.04	0.04	0.04	5.42	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	9.87	ppb
Tin	118-1	0.08	0.08	0.09	0.09	5.78	ppb
Titanium	47-1	0.06	0.05	0.08	0.07	22.46	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164345BL	Instrumnet Name :	P7
Client Sample ID :	PBS345	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:05:45	DataFile Name :	032CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	26.22	ppb
Vanadium	51-2	0.02	0.00	0.01	0.01	81.81	ppb
Yttrium	89-1				101		%
Yttrium	89-2				102		%
Zinc	66-2	0.05	0.01	-0.03	0.01	380.04	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	19.00	ppb
Zirconium	91-1	0.01	0.02	0.01	0.01	34.32	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164345BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD345	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:12:21	DataFile Name :	034LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20.41	21.13	20.90	20.81	1.78	ppb
Antimony	121-1	1.90	1.87	1.92	1.90	1.17	ppb
Arsenic	75-2	1.07	1.26	1.05	1.13	10.34	ppb
Barium	135-1	8.67	9.09	8.99	8.92	2.49	ppb
Barium	137-1	8.63	8.93	9.07	8.87	2.56	ppb
Beryllium	9-1	0.91	0.88	1.08	0.96	10.80	ppb
Bismuth	209-1				111		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.15	0.89	1.43	1.16	23.35	ppb
Cadmium	106-1	1.00	-0.31	-0.08	0.21	339.65	ppb
Cadmium	111-1	1.12	1.16	1.15	1.14	1.71	ppb
Calcium	43-1	456.10	456.02	485.14	465.76	3.61	ppb
Calcium	44-1	460.90	474.28	473.42	469.53	1.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.21	2.22	2.06	2.16	4.16	ppb
Cobalt	59-2	0.98	1.02	0.95	0.98	3.24	ppb
Copper	63-2	2.16	2.26	2.22	2.21	2.35	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				106		%
Indium	115-1				103		%
Indium	115-2				102		%
Iron	56-2	210.29	209.32	209.54	209.72	0.24	ppb
Iron	57-2	207.01	202.79	204.31	204.70	1.04	ppb
Iron	54-2	210.60	213.89	208.46	210.98	1.30	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164345BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD345	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:12:21	DataFile Name :	034LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.90	0.92	0.90	0.90	1.24	ppb
Lead	207-1	0.92	0.91	0.88	0.90	1.96	ppb
Lead	208-1	0.92	0.91	0.90	0.91	1.33	ppb
Lithium	6-1				105		%
Magnesium	24-2	523.61	522.19	520.43	522.08	0.31	ppb
Manganese	55-2	1.18	1.12	1.18	1.16	2.84	ppb
Molybdenum	94-1	5.01	5.11	5.41	5.17	4.03	ppb
Molybdenum	95-1	4.30	4.41	4.58	4.43	3.17	ppb
Molybdenum	96-1	4.27	4.29	4.54	4.36	3.40	ppb
Molybdenum	97-1	4.00	4.36	4.56	4.31	6.53	ppb
Molybdenum	98-1	4.26	4.37	4.36	4.33	1.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.19	1.03	1.04	1.09	8.06	ppb
Phosphorus	31-2	-20.70	-19.34	-17.39	-19.14		ppb
Potassium	39-2	505.51	503.63	500.31	503.15	0.52	ppb
Rhodium	103-1				102		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				99		%
Selenium	82-1	4.98	5.26	5.09	5.11	2.79	ppb
Selenium	77-2	4.92	8.32	5.76	6.33	27.97	ppb
Selenium	78-2	3.29	3.81	4.17	3.75	11.83	ppb
Silicon	28-1	-0.36	0.47	0.82	0.31	194.51	ppb
Silver	107-1	0.92	0.94	0.96	0.94	2.05	ppb
Silver	109-1	0.94	0.93	0.97	0.95	2.38	ppb
Sodium	23-2	517.11	510.21	510.74	512.68	0.75	ppb
Strontium	86-1	1.13	1.04	1.15	1.11	5.54	ppb
Strontium	88-1	1.07	1.12	1.10	1.10	2.41	ppb
Sulfur	34-1	-620.59	-275.32	-288.64	-394.85		ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	0.80	0.81	0.86	0.82	3.88	ppb
Thallium	205-1	0.82	0.84	0.82	0.83	1.50	ppb
Tin	118-1	0.10	0.11	0.07	0.10	24.35	ppb
Titanium	47-1	4.39	4.73	4.56	4.56	3.73	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164345BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD345	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:12:21	DataFile Name :	034LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.81	0.80	0.81	0.81	0.76	ppb
Vanadium	51-2	4.78	4.95	4.96	4.90	2.16	ppb
Yttrium	89-1				101		%
Yttrium	89-2				103		%
Zinc	66-2	5.28	5.54	4.94	5.25	5.71	ppb
Zirconium	90-1	0.94	1.00	1.00	0.98	3.63	ppb
Zirconium	91-1	0.95	0.96	1.02	0.97	4.02	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164349BL	Instrumnet Name :	P7
Client Sample ID :	PBS349	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:15:39	DataFile Name :	035CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.27	0.89	1.19	1.12	18.01	ppb
Antimony	121-1	0.02	0.02	0.03	0.02	40.54	ppb
Arsenic	75-2	0.00	0.00	-0.01	-0.01		ppb
Barium	135-1	0.05	0.06	0.04	0.05	15.16	ppb
Barium	137-1	0.05	0.04	0.05	0.05	16.25	ppb
Beryllium	9-1	0.00	-0.01	0.02	0.00	627.26	ppb
Bismuth	209-1				110		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.14	-0.07	-0.11	-0.10		ppb
Cadmium	106-1	-0.96	-0.67	0.26	-0.46		ppb
Cadmium	111-1	-0.06	-0.03	0.04	-0.01		ppb
Calcium	43-1	0.81	-0.11	2.38	1.03	122.73	ppb
Calcium	44-1	-8.99	-10.34	-8.45	-9.26		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	-0.01	-0.03	-0.01		ppb
Cobalt	59-2	-0.01	0.01	0.00	0.00		ppb
Copper	63-2	0.06	0.06	0.02	0.05	43.45	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				107		%
Indium	115-1				104		%
Indium	115-2				103		%
Iron	56-2	2.14	2.24	1.46	1.94	21.89	ppb
Iron	57-2	-2.70	0.21	-1.25	-1.25		ppb
Iron	54-2	1.25	1.68	1.26	1.39	17.72	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164349BL	Instrumnet Name :	P7
Client Sample ID :	PBS349	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:15:39	DataFile Name :	035CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.07	0.07	0.05	0.06	20.49	ppb
Lead	207-1	0.04	0.04	0.07	0.05	37.75	ppb
Lead	208-1	0.06	0.05	0.06	0.05	7.34	ppb
Lithium	6-1				106		%
Magnesium	24-2	3.02	3.00	3.00	3.01	0.37	ppb
Manganese	55-2	0.13	0.11	0.10	0.11	12.58	ppb
Molybdenum	94-1	0.06	0.06	0.07	0.06	2.79	ppb
Molybdenum	95-1	0.06	0.05	0.07	0.06	13.34	ppb
Molybdenum	96-1	0.05	0.06	0.05	0.05	14.01	ppb
Molybdenum	97-1	0.07	0.06	0.08	0.07	9.36	ppb
Molybdenum	98-1	0.06	0.06	0.06	0.06	6.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	0.04	-0.03	0.00	6585.04	ppb
Phosphorus	31-2	-26.07	-14.33	-19.30	-19.90		ppb
Potassium	39-2	-4.77	-0.26	-1.20	-2.07		ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				101		%
Scandium	45-2				98		%
Selenium	82-1	-0.78	0.46	0.04	-0.10		ppb
Selenium	77-2	0.34	-0.01	-0.37	-0.01		ppb
Selenium	78-2	-1.89	-2.20	-0.95	-1.68		ppb
Silicon	28-1	-4.35	-3.43	-3.27	-3.68		ppb
Silver	107-1	0.02	0.02	0.02	0.02	10.27	ppb
Silver	109-1	0.02	0.02	0.02	0.02	8.80	ppb
Sodium	23-2	18.07	20.90	21.25	20.07	8.70	ppb
Strontium	86-1	0.07	0.13	0.08	0.10	30.35	ppb
Strontium	88-1	0.12	0.12	0.13	0.13	4.35	ppb
Sulfur	34-1	-728.04	-409.75	-279.24	-472.34		ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	0.02	0.02	0.02	0.02	29.32	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	19.27	ppb
Tin	118-1	0.05	0.08	0.09	0.07	25.79	ppb
Titanium	47-1	0.07	0.09	0.05	0.07	32.37	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164349BL	Instrumnet Name :	P7
Client Sample ID :	PBS349	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:15:39	DataFile Name :	035CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	11.03	ppb
Vanadium	51-2	0.00	0.01	0.01	0.01	30.35	ppb
Yttrium	89-1				101		%
Yttrium	89-2				103		%
Zinc	66-2	-0.04	-0.06	0.02	-0.02		ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	44.47	ppb
Zirconium	91-1	0.00	-0.01	-0.01	-0.01		ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164349BS	Instrumnet Name :	P7
Client Sample ID :	LCS349	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:24:43	DataFile Name :	037LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	41.50	39.25	37.52	39.42	5.05	ppb
Antimony	121-1	3.73	3.82	4.09	3.88	4.90	ppb
Arsenic	75-2	1.71	1.89	2.10	1.90	10.36	ppb
Barium	135-1	17.86	18.08	18.73	18.22	2.47	ppb
Barium	137-1	17.46	18.07	18.50	18.01	2.91	ppb
Beryllium	9-1	2.06	2.12	2.12	2.10	1.49	ppb
Bismuth	209-1				105		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.81	2.12	2.18	2.04	9.72	ppb
Cadmium	106-1	0.22	0.91	0.19	0.44	93.45	ppb
Cadmium	111-1	2.22	2.06	2.20	2.16	4.04	ppb
Calcium	43-1	959.56	958.15	1009.71	975.81	3.01	ppb
Calcium	44-1	932.33	951.21	1000.20	961.25	3.64	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.25	4.22	4.26	4.24	0.53	ppb
Cobalt	59-2	1.98	1.95	1.94	1.96	1.01	ppb
Copper	63-2	4.06	3.95	3.99	4.00	1.44	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				104		%
Indium	115-1				101		%
Indium	115-2				102		%
Iron	56-2	413.81	411.83	406.90	410.84	0.87	ppb
Iron	57-2	413.71	419.11	402.60	411.81	2.04	ppb
Iron	54-2	419.64	413.96	413.00	415.53	0.86	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164349BS	Instrumnet Name :	P7
Client Sample ID :	LCS349	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:24:43	DataFile Name :	037LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.68	1.70	1.83	1.74	4.62	ppb
Lead	207-1	1.70	1.77	1.78	1.75	2.40	ppb
Lead	208-1	1.72	1.73	1.80	1.75	2.48	ppb
Lithium	6-1				102		%
Magnesium	24-2	1041.78	1032.71	1029.56	1034.68	0.61	ppb
Manganese	55-2	2.07	2.03	2.00	2.03	1.75	ppb
Molybdenum	94-1	10.31	10.52	11.23	10.68	4.50	ppb
Molybdenum	95-1	8.60	8.85	9.41	8.95	4.64	ppb
Molybdenum	96-1	8.80	8.84	9.45	9.03	4.00	ppb
Molybdenum	97-1	8.60	8.76	9.23	8.86	3.73	ppb
Molybdenum	98-1	8.59	8.65	9.16	8.80	3.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.26	2.02	1.98	2.08	7.28	ppb
Phosphorus	31-2	-20.94	-15.64	-20.24	-18.94		ppb
Potassium	39-2	1015.80	1015.00	999.56	1010.12	0.91	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	9.31	9.67	11.53	10.17	11.76	ppb
Selenium	77-2	9.23	6.36	11.17	8.92	27.11	ppb
Selenium	78-2	10.18	6.90	11.47	9.52	24.80	ppb
Silicon	28-1	4.06	4.36	6.63	5.02	28.07	ppb
Silver	107-1	1.83	1.89	2.03	1.92	5.30	ppb
Silver	109-1	1.87	1.92	2.02	1.94	4.15	ppb
Sodium	23-2	1002.29	994.22	983.67	993.39	0.94	ppb
Strontium	86-1	1.93	1.98	2.08	2.00	3.66	ppb
Strontium	88-1	2.02	2.04	2.18	2.08	4.33	ppb
Sulfur	34-1	-145.32	-2.55	374.51	75.55	355.49	ppb
Terbium	159-1				102		%
Terbium	159-2				104		%
Thallium	203-1	1.68	1.68	1.73	1.70	1.65	ppb
Thallium	205-1	1.64	1.69	1.71	1.68	2.10	ppb
Tin	118-1	0.06	0.11	0.12	0.10	32.26	ppb
Titanium	47-1	8.73	8.97	9.56	9.09	4.66	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164349BS	Instrumnet Name :	P7
Client Sample ID :	LCS349	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:24:43	DataFile Name :	037LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.55	1.56	1.69	1.60	5.09	ppb
Vanadium	51-2	9.66	9.75	9.54	9.65	1.09	ppb
Yttrium	89-1				98		%
Yttrium	89-2				103		%
Zinc	66-2	9.73	10.31	10.23	10.09	3.12	ppb
Zirconium	90-1	1.98	1.93	2.05	1.99	2.92	ppb
Zirconium	91-1	1.93	1.90	2.06	1.96	4.41	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164349BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD349	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:28:02	DataFile Name :	038LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20.04	20.21	21.94	20.73	5.05	ppb
Antimony	121-1	1.96	1.92	2.04	1.97	2.86	ppb
Arsenic	75-2	1.03	1.03	1.15	1.07	6.55	ppb
Barium	135-1	9.12	9.17	9.30	9.20	1.03	ppb
Barium	137-1	9.15	9.32	9.14	9.20	1.12	ppb
Beryllium	9-1	0.90	0.91	1.00	0.94	6.21	ppb
Bismuth	209-1				107		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.48	1.39	1.33	1.40	5.63	ppb
Cadmium	106-1	0.76	0.67	0.69	0.70	6.54	ppb
Cadmium	111-1	1.43	1.39	1.25	1.36	7.11	ppb
Calcium	43-1	468.89	469.35	480.55	472.93	1.40	ppb
Calcium	44-1	473.42	476.75	471.98	474.05	0.52	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.32	2.23	2.18	2.25	3.17	ppb
Cobalt	59-2	0.94	1.08	1.00	1.01	7.20	ppb
Copper	63-2	2.10	2.02	1.92	2.02	4.48	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	209.45	211.33	211.42	210.73	0.53	ppb
Iron	57-2	212.76	210.58	210.84	211.40	0.56	ppb
Iron	54-2	210.55	216.31	213.83	213.56	1.35	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164349BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD349	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:28:02	DataFile Name :	038LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.91	0.93	0.99	0.94	4.41	ppb
Lead	207-1	0.85	0.95	0.89	0.90	5.20	ppb
Lead	208-1	0.88	0.94	0.92	0.91	3.09	ppb
Lithium	6-1				103		%
Magnesium	24-2	523.96	531.19	526.70	527.29	0.69	ppb
Manganese	55-2	1.17	1.05	1.20	1.14	7.02	ppb
Molybdenum	94-1	5.26	5.31	5.20	5.26	1.10	ppb
Molybdenum	95-1	4.43	4.49	4.37	4.43	1.35	ppb
Molybdenum	96-1	4.46	4.55	4.46	4.49	1.15	ppb
Molybdenum	97-1	4.41	4.42	4.42	4.42	0.02	ppb
Molybdenum	98-1	4.39	4.28	4.34	4.33	1.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.03	1.10	1.12	1.08	4.00	ppb
Phosphorus	31-2	-21.69	-19.75	-16.50	-19.31		ppb
Potassium	39-2	514.75	519.30	518.08	517.38	0.46	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				99		%
Selenium	82-1	4.77	4.71	5.40	4.96	7.66	ppb
Selenium	77-2	4.64	3.70	4.81	4.38	13.68	ppb
Selenium	78-2	5.36	5.14	3.69	4.73	19.15	ppb
Silicon	28-1	1.14	1.43	0.96	1.18	19.91	ppb
Silver	107-1	0.92	0.97	0.95	0.95	2.66	ppb
Silver	109-1	0.95	0.95	1.03	0.98	4.77	ppb
Sodium	23-2	508.90	517.04	508.06	511.33	0.97	ppb
Strontium	86-1	1.16	1.04	1.05	1.08	6.03	ppb
Strontium	88-1	1.09	1.10	1.07	1.09	1.30	ppb
Sulfur	34-1	-130.74	54.67	34.75	-13.77		ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	0.84	0.82	0.85	0.84	2.24	ppb
Thallium	205-1	0.83	0.82	0.86	0.84	2.47	ppb
Tin	118-1	0.14	0.05	0.12	0.10	47.00	ppb
Titanium	47-1	4.36	4.60	4.51	4.49	2.67	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164349BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD349	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:28:02	DataFile Name :	038LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.76	0.78	0.80	0.78	2.21	ppb
Vanadium	51-2	4.98	5.13	4.77	4.96	3.62	ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	4.90	5.71	5.60	5.40	8.11	ppb
Zirconium	90-1	1.00	0.98	0.97	0.98	1.65	ppb
Zirconium	91-1	0.98	1.00	0.95	0.98	2.73	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164427BL	Instrumnet Name :	P7
Client Sample ID :	PBS427	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:31:18	DataFile Name :	039CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.09	0.78	0.77	0.88	20.65	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	7.46	ppb
Arsenic	75-2	-0.01	0.00	-0.01	-0.01		ppb
Barium	135-1	0.07	0.04	0.02	0.04	48.39	ppb
Barium	137-1	0.04	0.03	0.05	0.04	24.48	ppb
Beryllium	9-1	0.03	0.00	-0.01	0.01	376.02	ppb
Bismuth	209-1				106		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.14	-0.03	-0.14	-0.10		ppb
Cadmium	106-1	-0.94	-0.52	-1.45	-0.97		ppb
Cadmium	111-1	-0.05	-0.03	-0.09	-0.06		ppb
Calcium	43-1	0.04	4.24	3.04	2.44	88.53	ppb
Calcium	44-1	-12.33	-10.64	-10.29	-11.09		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	-0.01	-0.03	-0.01		ppb
Cobalt	59-2	0.00	0.00	-0.01	0.00		ppb
Copper	63-2	-0.03	0.00	0.02	0.00		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	1.53	1.37	1.08	1.33	17.01	ppb
Iron	57-2	-0.44	1.35	3.23	1.38	132.71	ppb
Iron	54-2	1.60	1.64	0.11	1.12	77.88	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164427BL	Instrumnet Name :	P7
Client Sample ID :	PBS427	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:31:18	DataFile Name :	039CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.05	0.04	0.05	0.05	17.29	ppb
Lead	207-1	0.04	0.04	0.05	0.04	11.36	ppb
Lead	208-1	0.04	0.04	0.05	0.04	8.84	ppb
Lithium	6-1				101		%
Magnesium	24-2	2.64	2.79	1.97	2.47	17.76	ppb
Manganese	55-2	0.10	0.08	0.05	0.07	31.85	ppb
Molybdenum	94-1	0.04	0.06	0.06	0.06	20.35	ppb
Molybdenum	95-1	0.06	0.05	0.06	0.05	12.69	ppb
Molybdenum	96-1	0.05	0.07	0.04	0.05	22.89	ppb
Molybdenum	97-1	0.05	0.05	0.06	0.05	8.24	ppb
Molybdenum	98-1	0.05	0.04	0.05	0.04	6.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	0.00	-0.02	-0.01		ppb
Phosphorus	31-2	-20.42	-15.69	-24.87	-20.33		ppb
Potassium	39-2	2.10	1.49	-2.69	0.30	868.05	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				101		%
Scandium	45-2				99		%
Selenium	82-1	-0.28	-1.30	-0.30	-0.63		ppb
Selenium	77-2	-0.01	-0.37	-0.37	-0.25		ppb
Selenium	78-2	0.54	0.69	0.28	0.50	41.89	ppb
Silicon	28-1	-2.52	-2.60	-2.49	-2.54		ppb
Silver	107-1	0.01	0.02	0.01	0.02	25.68	ppb
Silver	109-1	0.02	0.01	0.01	0.01	35.08	ppb
Sodium	23-2	14.64	14.10	14.56	14.43	2.00	ppb
Strontium	86-1	0.06	0.13	0.07	0.09	39.91	ppb
Strontium	88-1	0.11	0.11	0.09	0.10	7.95	ppb
Sulfur	34-1	-175.61	-95.89	-144.47	-138.66		ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	0.01	0.01	0.02	0.01	43.48	ppb
Thallium	205-1	0.01	0.01	0.00	0.01	51.55	ppb
Tin	118-1	0.08	0.08	0.07	0.08	5.87	ppb
Titanium	47-1	0.04	0.01	0.01	0.02	88.55	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164427BL	Instrumnet Name :	P7
Client Sample ID :	PBS427	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:31:18	DataFile Name :	039CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	47.88	ppb
Vanadium	51-2	0.01	0.00	0.01	0.01	59.94	ppb
Yttrium	89-1				100		%
Yttrium	89-2				102		%
Zinc	66-2	0.10	0.03	0.12	0.08	57.02	ppb
Zirconium	90-1	0.01	0.01	0.02	0.01	58.92	ppb
Zirconium	91-1	0.01	0.00	0.00	0.01	105.35	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164427BS	Instrumnet Name :	P7
Client Sample ID :	LCS427	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:34:37	DataFile Name :	040LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	42.05	40.13	41.38	41.19	2.36	ppb
Antimony	121-1	3.84	3.93	3.92	3.89	1.26	ppb
Arsenic	75-2	2.03	2.12	1.93	2.03	4.69	ppb
Barium	135-1	18.59	18.39	18.21	18.40	1.04	ppb
Barium	137-1	17.77	19.07	18.15	18.33	3.64	ppb
Beryllium	9-1	1.96	2.19	2.14	2.10	5.81	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.01	2.79	2.64	2.82	6.63	ppb
Cadmium	106-1	1.68	0.79	0.52	1.00	60.80	ppb
Cadmium	111-1	2.58	2.56	2.50	2.55	1.64	ppb
Calcium	43-1	932.46	979.58	974.21	962.09	2.68	ppb
Calcium	44-1	938.12	972.19	966.18	958.83	1.90	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.33	4.53	4.39	4.41	2.30	ppb
Cobalt	59-2	2.03	2.01	2.02	2.02	0.44	ppb
Copper	63-2	3.91	3.96	4.03	3.97	1.57	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	416.53	417.56	417.74	417.28	0.16	ppb
Iron	57-2	420.00	408.28	411.26	413.18	1.47	ppb
Iron	54-2	417.47	421.38	411.92	416.92	1.14	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164427BS	Instrumnet Name :	P7
Client Sample ID :	LCS427	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:34:37	DataFile Name :	040LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.81	1.79	1.76	1.79	1.38	ppb
Lead	207-1	1.72	1.78	1.68	1.73	2.95	ppb
Lead	208-1	1.74	1.78	1.75	1.76	1.24	ppb
Lithium	6-1				100		%
Magnesium	24-2	1041.80	1050.90	1046.27	1046.33	0.44	ppb
Manganese	55-2	2.11	2.11	2.13	2.12	0.58	ppb
Molybdenum	94-1	10.10	10.62	10.72	10.48	3.19	ppb
Molybdenum	95-1	8.49	8.86	8.81	8.72	2.30	ppb
Molybdenum	96-1	8.66	8.88	9.04	8.86	2.16	ppb
Molybdenum	97-1	8.79	8.74	8.84	8.79	0.60	ppb
Molybdenum	98-1	8.49	8.95	8.64	8.69	2.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.17	2.18	2.34	2.23	4.19	ppb
Phosphorus	31-2	-19.41	-18.88	-21.16	-19.82		ppb
Potassium	39-2	1020.96	1023.68	1026.10	1023.58	0.25	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	9.69	10.03	10.31	10.01	3.09	ppb
Selenium	77-2	15.01	11.67	8.09	11.59	29.89	ppb
Selenium	78-2	9.89	12.19	9.49	10.52	13.86	ppb
Silicon	28-1	4.54	5.75	5.18	5.16	11.67	ppb
Silver	107-1	1.84	1.93	1.95	1.90	3.05	ppb
Silver	109-1	1.89	1.97	1.89	1.92	2.33	ppb
Sodium	23-2	1003.19	1005.79	1005.00	1004.66	0.13	ppb
Strontium	86-1	1.79	2.15	2.01	1.98	9.10	ppb
Strontium	88-1	2.02	2.10	2.08	2.07	2.12	ppb
Sulfur	34-1	-140.11	131.00	95.32	28.74	512.60	ppb
Terbium	159-1				101		%
Terbium	159-2				102		%
Thallium	203-1	1.69	1.74	1.64	1.69	2.95	ppb
Thallium	205-1	1.65	1.67	1.71	1.68	1.92	ppb
Tin	118-1	0.11	0.11	0.08	0.10	15.88	ppb
Titanium	47-1	9.00	9.13	8.90	9.01	1.32	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164427BS	Instrumnet Name :	P7
Client Sample ID :	LCS427	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:34:37	DataFile Name :	040LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.60	1.60	1.59	1.60	0.32	ppb
Vanadium	51-2	9.86	9.67	10.03	9.85	1.82	ppb
Yttrium	89-1				99		%
Yttrium	89-2				101		%
Zinc	66-2	10.15	10.32	10.67	10.38	2.57	ppb
Zirconium	90-1	1.92	2.08	1.95	1.98	4.32	ppb
Zirconium	91-1	1.89	1.94	2.05	1.96	4.25	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164427BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD427	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:37:54	DataFile Name :	041LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20.48	21.40	20.81	20.90	2.23	ppb
Antimony	121-1	1.97	1.92	1.97	1.95	1.58	ppb
Arsenic	75-2	1.02	0.91	1.03	0.98	6.71	ppb
Barium	135-1	8.94	9.11	9.44	9.16	2.77	ppb
Barium	137-1	9.10	9.12	9.33	9.18	1.43	ppb
Beryllium	9-1	1.19	1.31	1.01	1.17	13.21	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.03	1.25	0.91	1.06	16.28	ppb
Cadmium	106-1	1.15	0.17	1.31	0.88	70.16	ppb
Cadmium	111-1	1.24	1.22	1.37	1.28	6.42	ppb
Calcium	43-1	460.57	476.91	484.19	473.89	2.55	ppb
Calcium	44-1	465.61	473.51	483.24	474.12	1.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.12	2.27	2.25	2.21	3.71	ppb
Cobalt	59-2	0.97	1.01	1.01	1.00	2.18	ppb
Copper	63-2	1.95	2.01	1.99	1.98	1.68	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				103		%
Indium	115-1				100		%
Indium	115-2				102		%
Iron	56-2	210.14	212.06	209.28	210.49	0.68	ppb
Iron	57-2	207.98	209.06	206.35	207.80	0.66	ppb
Iron	54-2	216.54	212.00	206.33	211.62	2.42	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164427BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD427	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:37:54	DataFile Name :	041LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.96	0.89	0.90	0.91	3.85	ppb
Lead	207-1	0.89	0.86	0.91	0.89	2.85	ppb
Lead	208-1	0.89	0.89	0.91	0.90	1.07	ppb
Lithium	6-1				101		%
Magnesium	24-2	529.87	525.02	524.08	526.32	0.59	ppb
Manganese	55-2	1.09	1.29	1.21	1.20	8.49	ppb
Molybdenum	94-1	5.11	5.22	5.38	5.24	2.64	ppb
Molybdenum	95-1	4.21	4.36	4.64	4.40	4.96	ppb
Molybdenum	96-1	4.38	4.43	4.46	4.42	0.93	ppb
Molybdenum	97-1	4.33	4.44	4.43	4.40	1.40	ppb
Molybdenum	98-1	4.39	4.37	4.42	4.39	0.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.06	1.10	1.20	1.12	6.35	ppb
Phosphorus	31-2	-14.10	-15.96	-18.44	-16.16		ppb
Potassium	39-2	516.77	522.73	515.01	518.17	0.78	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	4.85	5.70	5.98	5.51	10.69	ppb
Selenium	77-2	6.00	4.68	7.20	5.96	21.13	ppb
Selenium	78-2	2.29	3.21	3.42	2.97	20.28	ppb
Silicon	28-1	1.52	0.68	1.87	1.35	45.25	ppb
Silver	107-1	0.93	0.92	1.04	0.96	6.78	ppb
Silver	109-1	0.92	0.94	0.97	0.94	2.81	ppb
Sodium	23-2	502.59	512.69	506.49	507.26	1.00	ppb
Strontium	86-1	1.08	0.96	1.06	1.03	6.05	ppb
Strontium	88-1	1.08	1.08	1.12	1.10	2.25	ppb
Sulfur	34-1	-68.88	-21.84	138.02	15.77	687.86	ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	0.85	0.83	0.90	0.86	4.26	ppb
Thallium	205-1	0.88	0.84	0.86	0.86	1.96	ppb
Tin	118-1	0.12	0.11	0.08	0.10	21.03	ppb
Titanium	47-1	4.25	4.46	4.45	4.39	2.77	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164427BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD427	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:37:54	DataFile Name :	041LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.82	0.81	0.80	0.81	1.06	ppb
Vanadium	51-2	4.88	5.11	4.75	4.91	3.77	ppb
Yttrium	89-1				100		%
Yttrium	89-2				103		%
Zinc	66-2	5.53	5.51	5.45	5.49	0.69	ppb
Zirconium	90-1	0.94	0.95	1.00	0.96	3.53	ppb
Zirconium	91-1	0.98	0.96	0.99	0.98	1.30	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164345BS	Instrumnet Name :	P7
Client Sample ID :	LCS345	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:41:13	DataFile Name :	042LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	38.85	39.26	40.53	39.55	2.21	ppb
Antimony	121-1	3.81	3.82	3.83	3.82	0.33	ppb
Arsenic	75-2	2.06	1.76	2.03	1.95	8.40	ppb
Barium	135-1	17.37	17.29	18.25	17.64	3.03	ppb
Barium	137-1	17.54	17.91	17.83	17.76	1.10	ppb
Beryllium	9-1	2.27	2.06	2.13	2.15	5.04	ppb
Bismuth	209-1				107		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.78	2.00	1.93	1.90	5.72	ppb
Cadmium	106-1	1.65	0.63	1.42	1.23	43.67	ppb
Cadmium	111-1	2.08	2.10	2.17	2.12	2.40	ppb
Calcium	43-1	924.61	928.49	908.46	920.52	1.15	ppb
Calcium	44-1	924.96	942.76	936.18	934.64	0.96	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.12	4.18	4.25	4.18	1.52	ppb
Cobalt	59-2	1.95	1.97	1.91	1.94	1.44	ppb
Copper	63-2	3.85	3.92	3.97	3.92	1.55	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	409.39	413.47	411.10	411.32	0.50	ppb
Iron	57-2	404.08	412.68	406.49	407.75	1.09	ppb
Iron	54-2	420.88	414.12	411.86	415.62	1.13	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164345BS	Instrumnet Name :	P7
Client Sample ID :	LCS345	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:41:13	DataFile Name :	042LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.68	1.67	1.68	1.68	0.42	ppb
Lead	207-1	1.72	1.73	1.78	1.74	2.03	ppb
Lead	208-1	1.71	1.71	1.73	1.71	0.79	ppb
Lithium	6-1				101		%
Magnesium	24-2	1017.11	1037.55	1022.15	1025.60	1.04	ppb
Manganese	55-2	2.25	2.31	2.13	2.23	3.94	ppb
Molybdenum	94-1	10.19	10.28	10.14	10.20	0.70	ppb
Molybdenum	95-1	8.44	8.53	8.54	8.50	0.64	ppb
Molybdenum	96-1	8.56	8.79	8.70	8.68	1.36	ppb
Molybdenum	97-1	8.28	8.79	8.56	8.54	2.98	ppb
Molybdenum	98-1	8.42	8.64	8.54	8.53	1.30	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.01	2.08	2.24	2.11	5.51	ppb
Phosphorus	31-2	-20.95	-19.11	-21.64	-20.57		ppb
Potassium	39-2	1017.40	1008.64	1011.35	1012.46	0.44	ppb
Rhodium	103-1				102		%
Rhodium	103-2				100		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	10.98	11.28	11.02	11.09	1.46	ppb
Selenium	77-2	9.46	10.18	7.26	8.97	16.98	ppb
Selenium	78-2	8.08	10.70	6.16	8.31	27.39	ppb
Silicon	28-1	3.93	4.66	4.38	4.33	8.45	ppb
Silver	107-1	1.82	1.80	1.86	1.83	1.68	ppb
Silver	109-1	1.80	1.88	1.91	1.86	2.85	ppb
Sodium	23-2	984.91	994.83	985.46	988.40	0.56	ppb
Strontium	86-1	1.98	2.06	1.98	2.01	2.26	ppb
Strontium	88-1	2.00	2.06	2.04	2.03	1.27	ppb
Sulfur	34-1	-114.19	-27.52	-31.69	-57.80		ppb
Terbium	159-1				103		%
Terbium	159-2				101		%
Thallium	203-1	1.63	1.65	1.65	1.64	0.50	ppb
Thallium	205-1	1.68	1.63	1.64	1.65	1.75	ppb
Tin	118-1	0.08	0.15	0.10	0.11	31.50	ppb
Titanium	47-1	8.65	8.85	8.51	8.67	2.00	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164345BS	Instrumnet Name :	P7
Client Sample ID :	LCS345	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:41:13	DataFile Name :	042LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.57	1.57	1.55	1.56	0.85	ppb
Vanadium	51-2	9.67	9.92	9.62	9.74	1.65	ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	10.11	9.54	10.24	9.96	3.76	ppb
Zirconium	90-1	1.87	1.92	1.92	1.90	1.57	ppb
Zirconium	91-1	1.92	1.88	1.83	1.87	2.54	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04	Instrumnet Name :	P7
Client Sample ID :	MYE453	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:44:30	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	40048.29	39442.24	39448.35	39646.30	0.88	ppb
Antimony	121-1	3.07	3.00	3.13	3.07	2.19	ppb
Arsenic	75-2	224.55	226.76	222.35	224.55	0.98	ppb
Barium	135-1	558.35	552.76	561.32	557.48	0.78	ppb
Barium	137-1	555.77	548.85	555.48	553.37	0.71	ppb
Beryllium	9-1	1.57	1.73	1.58	1.63	5.65	ppb
Bismuth	209-1				105		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.34	3.08	2.66	3.03	11.24	ppb
Cadmium	106-1	5.52	4.09	2.66	4.09	34.96	ppb
Cadmium	111-1	2.59	2.61	2.57	2.59	0.87	ppb
Calcium	43-1	12636.91	13213.12	13232.62	13027.55	2.60	ppb
Calcium	44-1	12237.93	12713.87	12832.03	12594.61	2.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	90.32	89.64	89.40	89.79	0.53	ppb
Cobalt	59-2	48.09	47.86	47.43	47.79	0.71	ppb
Copper	63-2	324.89	324.22	323.33	324.15	0.24	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				104		%
Indium	115-1				98		%
Indium	115-2				96		%
Iron	56-2	91397.96	91545.42	90299.95	91081.11	0.75	ppb
Iron	57-2	90413.35	89873.80	90063.42	90116.86	0.30	ppb
Iron	54-2	91570.58	91386.52	91006.85	91321.32	0.31	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04	Instrumnet Name :	P7
Client Sample ID :	MYE453	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:44:30	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	86.76	86.11	88.42	87.10	1.37	ppb
Lead	207-1	83.88	84.80	86.66	85.11	1.66	ppb
Lead	208-1	84.50	85.08	87.21	85.59	1.67	ppb
Lithium	6-1				100		%
Magnesium	24-2	18803.78	18366.52	18400.36	18523.55	1.31	ppb
Manganese	55-2	3220.32	3241.12	3197.88	3219.77	0.67	ppb
Molybdenum	94-1	21.87	22.19	22.84	22.30	2.20	ppb
Molybdenum	95-1	1.92	1.87	1.99	1.93	3.26	ppb
Molybdenum	96-1	4.59	4.62	4.74	4.65	1.68	ppb
Molybdenum	97-1	2.01	1.90	1.91	1.94	3.08	ppb
Molybdenum	98-1	1.85	1.87	1.95	1.89	2.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	82.80	83.43	83.73	83.32	0.57	ppb
Phosphorus	31-2	3328.66	3261.58	3364.33	3318.19	1.57	ppb
Potassium	39-2	13041.67	12893.87	12900.98	12945.50	0.64	ppb
Rhodium	103-1				97		%
Rhodium	103-2				96		%
Scandium	45-1				104		%
Scandium	45-2				101		%
Selenium	82-1	1.97	2.63	1.53	2.04	27.24	ppb
Selenium	77-2	16.62	14.16	17.67	16.15	11.16	ppb
Selenium	78-2	4.10	3.26	2.81	3.39	19.27	ppb
Silicon	28-1	1847.81	1948.05	1916.97	1904.27	2.69	ppb
Silver	107-1	1.04	0.96	0.93	0.98	5.96	ppb
Silver	109-1	1.00	0.96	0.94	0.97	3.22	ppb
Sodium	23-2	249.85	250.42	251.44	250.57	0.32	ppb
Strontium	86-1	107.19	107.60	110.02	108.27	1.41	ppb
Strontium	88-1	112.04	113.20	114.42	113.22	1.05	ppb
Sulfur	34-1	-723.72	-766.77	-1177.06	-889.19		ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	0.36	0.38	0.40	0.38	5.08	ppb
Thallium	205-1	0.37	0.36	0.41	0.38	7.31	ppb
Tin	118-1	2.23	2.28	2.34	2.28	2.49	ppb
Titanium	47-1	905.39	948.94	940.31	931.55	2.48	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04	Instrumnet Name :	P7
Client Sample ID :	MYE453	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:44:30	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.33	1.32	1.36	1.34	1.46	ppb
Vanadium	51-2	162.79	162.42	162.40	162.53	0.14	ppb
Yttrium	89-1				104		%
Yttrium	89-2				104		%
Zinc	66-2	322.67	323.39	326.90	324.32	0.70	ppb
Zirconium	90-1	12.37	12.34	12.49	12.40	0.63	ppb
Zirconium	91-1	12.33	12.64	12.78	12.58	1.84	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-05	Instrumnet Name :	P7
Client Sample ID :	MYE453D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:47:40	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	39925.27	40333.32	40257.53	40172.04	0.54	ppb
Antimony	121-1	3.07	3.07	3.47	3.20	7.27	ppb
Arsenic	75-2	204.68	209.64	203.96	206.09	1.50	ppb
Barium	135-1	530.04	523.93	589.88	547.95	6.65	ppb
Barium	137-1	524.75	521.70	583.16	543.20	6.38	ppb
Beryllium	9-1	1.54	1.54	1.69	1.59	5.36	ppb
Bismuth	209-1				104		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.98	2.95	3.15	3.03	3.43	ppb
Cadmium	106-1	3.42	2.03	3.24	2.90	26.20	ppb
Cadmium	111-1	2.48	2.23	2.82	2.51	11.68	ppb
Calcium	43-1	12857.22	13049.26	14303.21	13403.23	5.86	ppb
Calcium	44-1	12314.96	12613.66	13771.81	12900.14	5.97	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	91.57	91.74	92.52	91.94	0.55	ppb
Cobalt	59-2	47.09	47.44	47.79	47.44	0.74	ppb
Copper	63-2	323.75	326.84	327.50	326.03	0.61	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				104		%
Indium	115-1				96		%
Indium	115-2				98		%
Iron	56-2	91474.14	92220.28	91994.55	91896.32	0.42	ppb
Iron	57-2	89640.09	91231.12	90932.96	90601.39	0.93	ppb
Iron	54-2	91628.14	92388.00	91613.49	91876.54	0.48	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-05	Instrumnet Name :	P7
Client Sample ID :	MYE453D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:47:40	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	85.48	87.40	96.61	89.83	6.62	ppb
Lead	207-1	83.05	85.19	94.68	87.64	7.06	ppb
Lead	208-1	83.51	85.78	94.56	87.95	6.64	ppb
Lithium	6-1				104		%
Magnesium	24-2	18458.65	18733.24	18705.47	18632.45	0.81	ppb
Manganese	55-2	2973.79	3009.29	2997.44	2993.51	0.60	ppb
Molybdenum	94-1	22.11	22.26	23.66	22.68	3.75	ppb
Molybdenum	95-1	1.91	1.96	2.10	1.99	4.96	ppb
Molybdenum	96-1	4.47	4.74	4.92	4.71	4.73	ppb
Molybdenum	97-1	1.88	1.99	2.14	2.00	6.45	ppb
Molybdenum	98-1	1.88	1.89	2.16	1.97	8.06	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	83.44	85.27	84.47	84.39	1.09	ppb
Phosphorus	31-2	3332.31	3312.01	3254.38	3299.57	1.23	ppb
Potassium	39-2	13060.80	13203.43	13110.76	13125.00	0.55	ppb
Rhodium	103-1				93		%
Rhodium	103-2				97		%
Scandium	45-1				100		%
Scandium	45-2				102		%
Selenium	82-1	2.86	1.35	2.36	2.19	35.29	ppb
Selenium	77-2	13.25	15.99	15.53	14.92	9.86	ppb
Selenium	78-2	5.15	2.35	4.82	4.11	37.21	ppb
Silicon	28-1	1836.21	1822.89	2000.70	1886.60	5.25	ppb
Silver	107-1	0.89	0.89	1.00	0.92	6.76	ppb
Silver	109-1	0.89	0.90	1.03	0.94	8.32	ppb
Sodium	23-2	248.12	255.75	257.57	253.82	1.97	ppb
Strontium	86-1	108.03	108.71	116.83	111.19	4.40	ppb
Strontium	88-1	111.79	112.95	121.87	115.54	4.77	ppb
Sulfur	34-1	-1510.12	-1559.51	-1212.06	-1427.23		ppb
Terbium	159-1				99		%
Terbium	159-2				102		%
Thallium	203-1	0.37	0.38	0.41	0.39	4.94	ppb
Thallium	205-1	0.37	0.39	0.41	0.39	5.62	ppb
Tin	118-1	1.92	1.86	2.16	1.98	7.86	ppb
Titanium	47-1	933.75	946.11	1034.26	971.37	5.64	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-05	Instrumnet Name :	P7
Client Sample ID :	MYE453D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:47:40	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.30	1.36	1.45	1.37	5.61	ppb
Vanadium	51-2	164.04	164.66	163.96	164.22	0.24	ppb
Yttrium	89-1				100		%
Yttrium	89-2				104		%
Zinc	66-2	315.77	316.73	318.09	316.86	0.37	ppb
Zirconium	90-1	12.46	12.45	13.57	12.82	5.03	ppb
Zirconium	91-1	12.43	12.71	13.49	12.88	4.24	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04LX5	Instrumnet Name :	P7
Client Sample ID :	MYE453L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 14:50:49	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7629.11	7613.85	8347.26	7863.41	5.33	ppb
Antimony	121-1	0.58	0.55	0.54	0.56	3.43	ppb
Arsenic	75-2	43.45	42.00	44.19	43.21	2.58	ppb
Barium	135-1	99.03	101.73	101.48	100.75	1.48	ppb
Barium	137-1	99.21	98.99	100.36	99.52	0.74	ppb
Beryllium	9-1	0.31	0.27	0.31	0.30	8.43	ppb
Bismuth	209-1				107		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.66	0.43	0.47	0.52	23.77	ppb
Cadmium	106-1	-0.96	-0.90	-0.52	-0.79		ppb
Cadmium	111-1	0.28	0.39	0.43	0.37	21.98	ppb
Calcium	43-1	2464.31	2514.80	2518.85	2499.32	1.22	ppb
Calcium	44-1	2466.56	2499.73	2570.54	2512.28	2.11	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17.07	16.96	19.01	17.68	6.51	ppb
Cobalt	59-2	9.16	9.20	9.89	9.42	4.36	ppb
Copper	63-2	62.68	62.59	69.49	64.92	6.10	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				101		%
Indium	115-1				98		%
Indium	115-2				96		%
Iron	56-2	17510.42	17612.33	19090.19	18070.98	4.89	ppb
Iron	57-2	17643.58	17659.47	19384.44	18229.16	5.49	ppb
Iron	54-2	17615.26	17614.05	19154.66	18127.99	4.90	ppb
Krypton	83-1						cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04LX5	Instrumnet Name :	P7
Client Sample ID :	MYE453L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 14:50:49	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	15.78	16.13	16.25	16.05	1.51	ppb
Lead	207-1	15.29	15.50	15.81	15.53	1.67	ppb
Lead	208-1	15.39	15.63	15.97	15.67	1.87	ppb
Lithium	6-1				105		%
Magnesium	24-2	3576.24	3578.91	3916.35	3690.50	5.30	ppb
Manganese	55-2	617.09	616.60	673.99	635.89	5.19	ppb
Molybdenum	94-1	4.02	4.17	4.19	4.13	2.23	ppb
Molybdenum	95-1	0.39	0.41	0.40	0.40	2.44	ppb
Molybdenum	96-1	0.85	0.93	0.89	0.89	4.95	ppb
Molybdenum	97-1	0.40	0.33	0.41	0.38	11.97	ppb
Molybdenum	98-1	0.39	0.37	0.42	0.39	6.77	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	15.79	16.13	17.55	16.49	5.67	ppb
Phosphorus	31-2	585.52	607.88	703.54	632.31	9.91	ppb
Potassium	39-2	2600.64	2598.25	2875.40	2691.43	5.92	ppb
Rhodium	103-1				97		%
Rhodium	103-2				95		%
Scandium	45-1				97		%
Scandium	45-2				93		%
Selenium	82-1	0.59	0.48	0.51	0.53	10.00	ppb
Selenium	77-2	1.49	2.95	3.24	2.56	36.52	ppb
Selenium	78-2	1.68	0.44	1.99	1.37	59.71	ppb
Silicon	28-1	360.58	364.73	373.50	366.27	1.80	ppb
Silver	107-1	0.16	0.17	0.16	0.16	4.30	ppb
Silver	109-1	0.17	0.17	0.16	0.17	3.07	ppb
Sodium	23-2	63.87	61.99	74.84	66.90	10.37	ppb
Strontium	86-1	20.54	20.95	20.78	20.76	1.01	ppb
Strontium	88-1	20.52	20.79	21.11	20.81	1.41	ppb
Sulfur	34-1	-1981.87	-2051.05	-1954.45	-1995.79		ppb
Terbium	159-1				101		%
Terbium	159-2				99		%
Thallium	203-1	0.07	0.08	0.07	0.07	10.35	ppb
Thallium	205-1	0.08	0.08	0.08	0.08	1.79	ppb
Tin	118-1	0.48	0.44	0.40	0.44	9.81	ppb
Titanium	47-1	172.99	174.65	178.10	175.25	1.49	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04LX5	Instrumnet Name :	P7
Client Sample ID :	MYE453L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 14:50:49	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.24	0.24	0.25	0.24	3.43	ppb
Vanadium	51-2	30.86	30.99	33.85	31.90	5.30	ppb
Yttrium	89-1				98		%
Yttrium	89-2				97		%
Zinc	66-2	65.16	65.20	70.38	66.92	4.48	ppb
Zirconium	90-1	2.23	2.31	2.34	2.29	2.43	ppb
Zirconium	91-1	2.27	2.26	2.35	2.29	2.00	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-06	Instrumnet Name :	P7
Client Sample ID :	MYE453S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:54:06	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	40561.04	40125.86	40600.97	40429.29	0.65	ppb
Antimony	121-1	71.06	73.61	72.98	72.55	1.83	ppb
Arsenic	75-2	245.25	247.17	243.46	245.29	0.76	ppb
Barium	135-1	2051.36	2113.80	2157.76	2107.64	2.54	ppb
Barium	137-1	2038.75	2123.94	2096.40	2086.37	2.08	ppb
Beryllium	9-1	39.84	40.42	41.28	40.51	1.79	ppb
Bismuth	209-1				108		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	34.11	36.94	36.91	35.98	4.52	ppb
Cadmium	106-1	34.98	36.37	35.24	35.53	2.07	ppb
Cadmium	111-1	38.30	38.81	39.02	38.71	0.95	ppb
Calcium	43-1	12262.52	12477.55	12998.10	12579.39	3.01	ppb
Calcium	44-1	11610.69	12353.36	12382.82	12115.62	3.61	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	240.54	237.51	237.43	238.49	0.74	ppb
Cobalt	59-2	423.57	417.54	420.51	420.54	0.72	ppb
Copper	63-2	495.80	494.63	496.55	495.66	0.19	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				106		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	93165.07	92940.65	92945.27	93016.99	0.14	ppb
Iron	57-2	90019.06	90014.77	90206.55	90080.13	0.12	ppb
Iron	54-2	92090.82	91496.00	91470.91	91685.91	0.38	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-06	Instrumnet Name :	P7
Client Sample ID :	MYE453S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:54:06	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	96.25	100.76	103.34	100.12	3.59	ppb
Lead	207-1	93.16	98.35	99.35	96.95	3.43	ppb
Lead	208-1	94.32	99.00	100.43	97.92	3.26	ppb
Lithium	6-1				106		%
Magnesium	24-2	18347.15	18135.92	17942.60	18141.89	1.12	ppb
Manganese	55-2	3542.30	3530.07	3535.00	3535.79	0.17	ppb
Molybdenum	94-1	20.82	22.18	21.90	21.63	3.30	ppb
Molybdenum	95-1	1.85	1.94	1.94	1.91	2.89	ppb
Molybdenum	96-1	4.21	4.51	4.54	4.42	4.16	ppb
Molybdenum	97-1	1.80	1.86	1.94	1.86	3.81	ppb
Molybdenum	98-1	1.76	1.87	1.89	1.84	3.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	459.02	458.39	458.22	458.55	0.09	ppb
Phosphorus	31-2	3296.10	3319.65	3250.26	3288.67	1.07	ppb
Potassium	39-2	12825.32	12879.67	12743.27	12816.09	0.54	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				105		%
Scandium	45-2				101		%
Selenium	82-1	70.93	75.85	78.64	75.14	5.19	ppb
Selenium	77-2	104.87	82.31	89.25	92.14	12.54	ppb
Selenium	78-2	73.39	76.80	74.83	75.01	2.28	ppb
Silicon	28-1	1787.33	1827.37	1879.58	1831.43	2.53	ppb
Silver	107-1	31.69	32.88	32.68	32.41	1.97	ppb
Silver	109-1	31.77	32.74	32.56	32.36	1.60	ppb
Sodium	23-2	252.29	252.23	251.18	251.90	0.25	ppb
Strontium	86-1	101.41	108.39	109.00	106.27	3.97	ppb
Strontium	88-1	106.19	114.50	112.80	111.16	3.95	ppb
Sulfur	34-1	-1969.59	-2067.57	-1899.70	-1978.95		ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	30.12	32.10	32.09	31.44	3.62	ppb
Thallium	205-1	30.27	31.97	32.42	31.55	3.60	ppb
Tin	118-1	1.83	1.94	1.80	1.86	4.03	ppb
Titanium	47-1	871.73	906.90	930.97	903.20	3.30	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-06	Instrumnet Name :	P7
Client Sample ID :	MYE453S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:54:06	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.31	1.35	1.37	1.35	2.39	ppb
Vanadium	51-2	525.59	522.50	530.93	526.34	0.81	ppb
Yttrium	89-1				105		%
Yttrium	89-2				105		%
Zinc	66-2	666.82	668.97	666.97	667.58	0.18	ppb
Zirconium	90-1	11.55	12.40	12.30	12.08	3.84	ppb
Zirconium	91-1	11.66	12.15	12.56	12.12	3.75	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04MS	Instrumnet Name :	P7
Client Sample ID :	MYE453SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:57:10	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	43584.12	43850.24	44090.92	43841.76	0.58	ppb
Antimony	121-1	304.86	308.73	315.31	309.63	1.71	ppb
Arsenic	75-2	332.15	326.63	324.71	327.83	1.18	ppb
Barium	135-1	6356.95	6427.39	6568.19	6450.84	1.67	ppb
Barium	137-1	6346.83	6349.66	6541.68	6412.72	1.74	ppb
Beryllium	9-1	153.13	149.37	154.40	152.30	1.72	ppb
Bismuth	209-1				109		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	140.92	139.16	148.03	142.70	3.29	ppb
Cadmium	106-1	136.76	139.97	142.48	139.74	2.05	ppb
Cadmium	111-1	152.36	153.96	157.30	154.54	1.63	ppb
Calcium	43-1	12368.06	12769.75	12683.91	12607.24	1.68	ppb
Calcium	44-1	11751.83	12025.22	12323.87	12033.64	2.38	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	653.73	670.37	675.56	666.55	1.71	ppb
Cobalt	59-2	1485.16	1492.50	1494.06	1490.57	0.32	ppb
Copper	63-2	1000.30	1015.62	1015.71	1010.54	0.88	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				105		%
Indium	115-1				98		%
Indium	115-2				98		%
Iron	56-2	92107.11	93239.34	93272.23	92872.89	0.71	ppb
Iron	57-2	90691.18	91292.76	90925.95	90969.96	0.33	ppb
Iron	54-2	91379.56	92787.32	93052.08	92406.32	0.97	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04MS	Instrumnet Name :	P7
Client Sample ID :	MYE453SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:57:10	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	133.85	141.13	139.17	138.05	2.73	ppb
Lead	207-1	133.16	136.48	134.87	134.84	1.23	ppb
Lead	208-1	132.75	137.77	136.54	135.69	1.93	ppb
Lithium	6-1				105		%
Magnesium	24-2	17957.48	17981.20	17884.71	17941.13	0.28	ppb
Manganese	55-2	4457.71	4507.03	4553.55	4506.10	1.06	ppb
Molybdenum	94-1	20.99	21.67	21.03	21.23	1.80	ppb
Molybdenum	95-1	1.95	1.99	1.96	1.96	1.09	ppb
Molybdenum	96-1	4.40	4.44	4.58	4.47	2.18	ppb
Molybdenum	97-1	1.81	1.90	1.97	1.89	4.18	ppb
Molybdenum	98-1	1.84	1.86	1.90	1.87	1.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1611.36	1604.12	1599.97	1605.15	0.36	ppb
Phosphorus	31-2	3146.95	3202.08	3250.47	3199.83	1.62	ppb
Potassium	39-2	12667.31	12642.53	12615.69	12641.84	0.20	ppb
Rhodium	103-1				96		%
Rhodium	103-2				97		%
Scandium	45-1				102		%
Scandium	45-2				100		%
Selenium	82-1	304.74	310.53	313.12	309.46	1.39	ppb
Selenium	77-2	308.73	319.59	302.84	310.38	2.74	ppb
Selenium	78-2	311.49	307.61	307.95	309.02	0.70	ppb
Silicon	28-1	1795.66	1895.50	1873.77	1854.97	2.83	ppb
Silver	107-1	89.01	87.39	97.29	91.23	5.82	ppb
Silver	109-1	72.84	77.25	87.56	79.22	9.53	ppb
Sodium	23-2	351.37	359.41	364.03	358.27	1.79	ppb
Strontium	86-1	103.13	106.12	105.09	104.78	1.45	ppb
Strontium	88-1	109.18	111.16	109.53	109.95	0.96	ppb
Sulfur	34-1	-1993.80	-1872.22	-1906.25	-1924.09		ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	129.61	131.51	129.79	130.31	0.81	ppb
Thallium	205-1	128.04	131.97	129.44	129.82	1.53	ppb
Tin	118-1	1.78	1.83	1.92	1.84	3.93	ppb
Titanium	47-1	890.99	917.89	920.70	909.86	1.80	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04MS	Instrumnet Name :	P7
Client Sample ID :	MYE453SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:57:10	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.30	1.39	1.32	1.34	3.53	ppb
Vanadium	51-2	1574.62	1560.01	1571.62	1568.75	0.49	ppb
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-2	1680.05	1689.06	1698.82	1689.31	0.56	ppb
Zirconium	90-1	11.57	12.06	12.11	11.91	2.50	ppb
Zirconium	91-1	11.74	12.27	12.03	12.01	2.18	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12	Instrumnet Name :	P7
Client Sample ID :	MYE481	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:00:10	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48029.94	48530.93	48831.06	48463.98	0.84	ppb
Antimony	121-1	1.93	1.98	1.90	1.94	2.08	ppb
Arsenic	75-2	122.50	122.96	124.11	123.19	0.67	ppb
Barium	135-1	552.11	559.53	573.52	561.72	1.94	ppb
Barium	137-1	546.09	556.39	569.75	557.41	2.13	ppb
Beryllium	9-1	1.62	1.85	1.86	1.77	7.69	ppb
Bismuth	209-1				108		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.77	3.47	2.68	2.97	14.53	ppb
Cadmium	106-1	2.67	2.96	2.16	2.60	15.47	ppb
Cadmium	111-1	1.94	2.00	2.05	2.00	2.73	ppb
Calcium	43-1	21837.07	22436.37	22795.99	22356.48	2.17	ppb
Calcium	44-1	21049.34	21538.07	21899.36	21495.59	1.98	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	106.11	105.31	106.08	105.83	0.43	ppb
Cobalt	59-2	49.13	48.94	48.96	49.01	0.22	ppb
Copper	63-2	292.59	292.21	290.29	291.70	0.42	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				105		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	92866.11	91837.60	92641.49	92448.40	0.58	ppb
Iron	57-2	91527.30	90497.39	91129.15	91051.28	0.57	ppb
Iron	54-2	91702.18	92948.31	92059.73	92236.74	0.70	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12	Instrumnet Name :	P7
Client Sample ID :	MYE481	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:00:10	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	72.03	71.48	72.75	72.08	0.88	ppb
Lead	207-1	70.11	69.17	71.39	70.22	1.59	ppb
Lead	208-1	70.27	69.96	71.12	70.45	0.85	ppb
Lithium	6-1				103		%
Magnesium	24-2	21240.42	21222.12	20976.95	21146.50	0.70	ppb
Manganese	55-2	3142.05	3164.33	3127.98	3144.79	0.58	ppb
Molybdenum	94-1	27.84	27.89	28.09	27.94	0.48	ppb
Molybdenum	95-1	1.21	1.29	1.29	1.26	3.75	ppb
Molybdenum	96-1	4.57	4.55	4.71	4.61	1.91	ppb
Molybdenum	97-1	1.27	1.29	1.25	1.27	1.66	ppb
Molybdenum	98-1	1.21	1.23	1.20	1.21	1.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	96.24	96.62	95.89	96.25	0.38	ppb
Phosphorus	31-2	2073.89	2064.63	2104.24	2080.92	1.00	ppb
Potassium	39-2	10671.66	10587.80	10493.26	10584.24	0.84	ppb
Rhodium	103-1				96		%
Rhodium	103-2				98		%
Scandium	45-1				103		%
Scandium	45-2				103		%
Selenium	82-1	1.44	1.17	0.16	0.92	72.95	ppb
Selenium	77-2	12.89	17.60	13.49	14.66	17.47	ppb
Selenium	78-2	2.96	3.93	2.40	3.10	24.93	ppb
Silicon	28-1	1893.18	1949.30	1956.42	1932.96	1.79	ppb
Silver	107-1	0.89	0.81	0.78	0.83	6.75	ppb
Silver	109-1	0.87	0.79	0.85	0.84	5.18	ppb
Sodium	23-2	291.57	291.44	291.23	291.41	0.06	ppb
Strontium	86-1	96.73	97.29	98.46	97.49	0.90	ppb
Strontium	88-1	101.98	103.81	102.74	102.84	0.89	ppb
Sulfur	34-1	-2153.95	-2151.22	-2056.68	-2120.62		ppb
Terbium	159-1				102		%
Terbium	159-2				103		%
Thallium	203-1	0.47	0.42	0.48	0.46	6.95	ppb
Thallium	205-1	0.45	0.43	0.42	0.43	2.97	ppb
Tin	118-1	1.90	1.92	2.03	1.95	3.61	ppb
Titanium	47-1	1003.48	1031.25	1043.11	1025.95	1.98	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12	Instrumnet Name :	P7
Client Sample ID :	MYE481	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:00:10	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.93	0.93	0.94	0.93	0.66	ppb
Vanadium	51-2	170.83	168.68	169.74	169.75	0.64	ppb
Yttrium	89-1				104		%
Yttrium	89-2				107		%
Zinc	66-2	251.62	253.57	255.25	253.48	0.72	ppb
Zirconium	90-1	16.55	16.59	16.64	16.59	0.29	ppb
Zirconium	91-1	16.55	16.31	16.82	16.56	1.51	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-13	Instrumnet Name :	P7
Client Sample ID :	MYE481D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:03:19	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49990.21	49735.51	48884.54	49536.75	1.17	ppb
Antimony	121-1	1.92	2.04	1.99	1.98	3.13	ppb
Arsenic	75-2	125.82	126.24	121.75	124.60	1.99	ppb
Barium	135-1	555.62	556.40	564.95	558.99	0.93	ppb
Barium	137-1	549.49	557.05	562.15	556.23	1.15	ppb
Beryllium	9-1	1.64	1.71	1.70	1.68	2.20	ppb
Bismuth	209-1				108		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.40	3.35	3.40	3.38	0.93	ppb
Cadmium	106-1	3.02	2.78	3.12	2.98	5.82	ppb
Cadmium	111-1	2.02	2.13	2.07	2.07	2.51	ppb
Calcium	43-1	22698.61	22978.52	23077.42	22918.18	0.86	ppb
Calcium	44-1	21890.53	22071.49	22125.07	22029.03	0.56	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	107.97	108.03	106.52	107.51	0.80	ppb
Cobalt	59-2	50.63	50.67	49.78	50.36	1.00	ppb
Copper	63-2	298.90	300.37	293.09	297.45	1.29	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				106		%
Indium	115-1				98		%
Indium	115-2				100		%
Iron	56-2	94738.33	95065.72	93986.58	94596.88	0.58	ppb
Iron	57-2	91931.51	93233.43	91516.98	92227.31	0.97	ppb
Iron	54-2	94141.83	94781.63	92833.73	93919.06	1.06	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-13	Instrumnet Name :	P7
Client Sample ID :	MYE481D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:03:19	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	73.24	73.12	75.32	73.90	1.68	ppb
Lead	207-1	71.03	71.94	73.53	72.17	1.75	ppb
Lead	208-1	71.30	71.66	73.85	72.27	1.91	ppb
Lithium	6-1				102		%
Magnesium	24-2	21873.85	21893.95	21299.67	21689.15	1.56	ppb
Manganese	55-2	3138.88	3119.52	3097.11	3118.50	0.67	ppb
Molybdenum	94-1	27.50	28.28	28.45	28.08	1.80	ppb
Molybdenum	95-1	1.31	1.32	1.32	1.32	0.35	ppb
Molybdenum	96-1	4.59	4.68	4.61	4.62	0.99	ppb
Molybdenum	97-1	1.34	1.32	1.31	1.33	1.10	ppb
Molybdenum	98-1	1.27	1.24	1.30	1.27	2.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	98.63	99.00	96.80	98.14	1.20	ppb
Phosphorus	31-2	2149.68	2109.44	2122.70	2127.27	0.96	ppb
Potassium	39-2	10872.64	10926.50	10695.10	10831.42	1.12	ppb
Rhodium	103-1				96		%
Rhodium	103-2				99		%
Scandium	45-1				104		%
Scandium	45-2				103		%
Selenium	82-1	0.97	1.05	0.90	0.97	7.44	ppb
Selenium	77-2	12.24	18.67	15.42	15.45	20.82	ppb
Selenium	78-2	2.06	3.12	0.65	1.94	63.82	ppb
Silicon	28-1	1724.44	1741.88	1774.23	1746.85	1.45	ppb
Silver	107-1	0.82	0.85	0.79	0.82	3.66	ppb
Silver	109-1	0.79	0.83	0.82	0.81	2.51	ppb
Sodium	23-2	302.75	299.17	293.86	298.59	1.50	ppb
Strontium	86-1	98.80	101.69	100.81	100.43	1.47	ppb
Strontium	88-1	102.50	105.58	105.01	104.36	1.57	ppb
Sulfur	34-1	-2277.99	-2333.30	-2326.78	-2312.69		ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	0.41	0.42	0.43	0.42	2.16	ppb
Thallium	205-1	0.43	0.44	0.45	0.44	2.51	ppb
Tin	118-1	2.09	2.01	2.05	2.05	1.96	ppb
Titanium	47-1	997.71	1025.98	1015.91	1013.20	1.41	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-13	Instrumnet Name :	P7
Client Sample ID :	MYE481D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:03:19	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.92	0.99	1.00	0.97	4.65	ppb
Vanadium	51-2	172.85	173.94	171.04	172.61	0.85	ppb
Yttrium	89-1				104		%
Yttrium	89-2				108		%
Zinc	66-2	263.30	260.32	255.94	259.85	1.43	ppb
Zirconium	90-1	16.09	16.50	16.52	16.37	1.50	ppb
Zirconium	91-1	15.99	16.67	16.65	16.44	2.33	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12LX5	Instrumnet Name :	P7
Client Sample ID :	MYE481L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 15:06:30	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9351.61	9473.18	9349.54	9391.44	0.75	ppb
Antimony	121-1	0.32	0.33	0.35	0.33	4.21	ppb
Arsenic	75-2	23.46	24.48	23.81	23.92	2.17	ppb
Barium	135-1	99.16	101.80	103.03	101.33	1.95	ppb
Barium	137-1	97.52	100.49	102.05	100.02	2.30	ppb
Beryllium	9-1	0.31	0.27	0.31	0.30	8.06	ppb
Bismuth	209-1				111		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.64	0.42	0.65	0.57	22.86	ppb
Cadmium	106-1	-0.30	0.15	0.06	-0.03		ppb
Cadmium	111-1	0.36	0.44	0.30	0.37	19.91	ppb
Calcium	43-1	4127.19	4332.45	4381.92	4280.52	3.16	ppb
Calcium	44-1	4202.68	4400.23	4387.51	4330.14	2.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20.17	21.07	20.54	20.59	2.22	ppb
Cobalt	59-2	9.58	9.59	9.60	9.59	0.13	ppb
Copper	63-2	56.86	57.02	56.75	56.88	0.24	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				104		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	17903.68	18177.74	17913.32	17998.25	0.86	ppb
Iron	57-2	18027.34	18244.93	18091.35	18121.21	0.62	ppb
Iron	54-2	18031.17	18195.89	17788.68	18005.25	1.14	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12LX5	Instrumnet Name :	P7
Client Sample ID :	MYE481L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 15:06:30	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	12.50	13.09	13.05	12.88	2.57	ppb
Lead	207-1	12.30	12.77	12.71	12.59	2.04	ppb
Lead	208-1	12.33	12.78	12.87	12.66	2.26	ppb
Lithium	6-1				102		%
Magnesium	24-2	4205.38	4232.63	4213.78	4217.27	0.33	ppb
Manganese	55-2	624.61	633.34	625.72	627.89	0.76	ppb
Molybdenum	94-1	5.19	7.91	5.72	6.27	23.00	ppb
Molybdenum	95-1	0.29	0.31	0.29	0.30	4.58	ppb
Molybdenum	96-1	0.89	0.90	0.93	0.91	1.79	ppb
Molybdenum	97-1	0.35	0.26	0.33	0.31	14.40	ppb
Molybdenum	98-1	0.23	0.30	0.28	0.27	12.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	18.82	19.30	19.34	19.15	1.52	ppb
Phosphorus	31-2	397.63	391.43	406.84	398.63	1.94	ppb
Potassium	39-2	2157.57	2174.99	2139.78	2157.44	0.82	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				98		%
Scandium	45-2				96		%
Selenium	82-1	0.44	-0.14	0.67	0.33	129.39	ppb
Selenium	77-2	2.95	2.96	1.85	2.58	24.71	ppb
Selenium	78-2	-0.03	1.13	1.67	0.92	94.29	ppb
Silicon	28-1	356.71	372.09	374.59	367.80	2.63	ppb
Silver	107-1	0.16	0.15	0.16	0.16	3.26	ppb
Silver	109-1	0.14	0.15	0.16	0.15	5.85	ppb
Sodium	23-2	78.32	80.45	81.78	80.18	2.18	ppb
Strontium	86-1	18.32	19.45	19.19	18.98	3.13	ppb
Strontium	88-1	18.44	19.48	19.28	19.07	2.91	ppb
Sulfur	34-1	-2298.62	-2132.33	-2176.61	-2202.52		ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.10	0.09	0.09	0.09	7.08	ppb
Thallium	205-1	0.08	0.08	0.09	0.08	5.28	ppb
Tin	118-1	0.45	0.48	0.53	0.48	8.10	ppb
Titanium	47-1	188.56	195.84	197.85	194.08	2.52	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12LX5	Instrumnet Name :	P7
Client Sample ID :	MYE481L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 15:06:30	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.17	0.16	0.17	0.17	2.13	ppb
Vanadium	51-2	32.32	32.82	32.80	32.64	0.86	ppb
Yttrium	89-1				99		%
Yttrium	89-2				100		%
Zinc	66-2	51.87	53.70	52.99	52.86	1.74	ppb
Zirconium	90-1	3.02	3.17	3.14	3.11	2.60	ppb
Zirconium	91-1	2.92	3.25	3.24	3.14	6.04	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-14	Instrumnet Name :	P7
Client Sample ID :	MYE481S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:09:42	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49971.95	50306.86	50038.04	50105.62	0.35	ppb
Antimony	121-1	69.04	69.33	70.01	69.46	0.72	ppb
Arsenic	75-2	149.87	151.42	150.34	150.54	0.53	ppb
Barium	135-1	1974.74	1974.70	2009.77	1986.41	1.02	ppb
Barium	137-1	1946.47	1975.76	2039.40	1987.21	2.39	ppb
Beryllium	9-1	35.67	37.54	38.39	37.20	3.74	ppb
Bismuth	209-1				108		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	36.04	35.80	36.13	35.99	0.47	ppb
Cadmium	106-1	35.30	33.73	36.56	35.19	4.03	ppb
Cadmium	111-1	36.78	37.29	38.21	37.43	1.93	ppb
Calcium	43-1	22613.57	22290.08	23013.77	22639.14	1.60	ppb
Calcium	44-1	21433.57	21535.75	22081.37	21683.57	1.61	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	237.43	239.87	241.48	239.59	0.85	ppb
Cobalt	59-2	375.48	383.11	376.58	378.39	1.09	ppb
Copper	63-2	441.65	443.46	448.08	444.40	0.75	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				104		%
Indium	115-1				99		%
Indium	115-2				100		%
Iron	56-2	92601.43	94606.23	93782.13	93663.26	1.08	ppb
Iron	57-2	92381.57	92414.73	92961.62	92585.97	0.35	ppb
Iron	54-2	92674.27	93764.44	93803.69	93414.14	0.69	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-14	Instrumnet Name :	P7
Client Sample ID :	MYE481S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:09:42	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	85.21	84.41	85.63	85.08	0.73	ppb
Lead	207-1	83.57	82.41	83.58	83.19	0.81	ppb
Lead	208-1	83.81	82.48	84.47	83.59	1.21	ppb
Lithium	6-1				102		%
Magnesium	24-2	21196.81	21677.05	21537.37	21470.41	1.15	ppb
Manganese	55-2	3403.41	3496.58	3474.70	3458.23	1.41	ppb
Molybdenum	94-1	27.97	28.24	29.03	28.42	1.93	ppb
Molybdenum	95-1	1.24	1.30	1.41	1.32	6.56	ppb
Molybdenum	96-1	4.52	4.53	4.71	4.59	2.35	ppb
Molybdenum	97-1	1.29	1.32	1.28	1.30	1.85	ppb
Molybdenum	98-1	1.20	1.29	1.26	1.25	3.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	425.27	430.48	428.74	428.16	0.62	ppb
Phosphorus	31-2	2109.75	2135.63	2083.38	2109.59	1.24	ppb
Potassium	39-2	10523.11	10658.91	10734.37	10638.79	1.01	ppb
Rhodium	103-1				96		%
Rhodium	103-2				98		%
Scandium	45-1				103		%
Scandium	45-2				103		%
Selenium	82-1	71.81	73.04	77.19	74.01	3.80	ppb
Selenium	77-2	88.27	96.35	77.44	87.35	10.87	ppb
Selenium	78-2	76.36	71.68	74.92	74.32	3.23	ppb
Silicon	28-1	1896.04	1900.32	1934.76	1910.37	1.11	ppb
Silver	107-1	29.36	29.82	29.93	29.70	1.01	ppb
Silver	109-1	29.29	29.87	29.96	29.71	1.22	ppb
Sodium	23-2	290.77	295.03	293.12	292.98	0.73	ppb
Strontium	86-1	96.33	99.72	101.49	99.18	2.64	ppb
Strontium	88-1	101.82	101.78	104.14	102.58	1.32	ppb
Sulfur	34-1	-2233.37	-2411.97	-2249.34	-2298.23		ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	30.95	30.33	30.98	30.75	1.19	ppb
Thallium	205-1	30.61	30.05	31.02	30.56	1.59	ppb
Tin	118-1	1.99	1.87	2.00	1.95	3.54	ppb
Titanium	47-1	1023.58	1019.69	1049.97	1031.08	1.60	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-14	Instrumnet Name :	P7
Client Sample ID :	MYE481S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:09:42	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.94	0.97	0.95	0.95	1.48	ppb
Vanadium	51-2	494.47	498.91	500.65	498.01	0.64	ppb
Yttrium	89-1				104		%
Yttrium	89-2				106		%
Zinc	66-2	574.31	579.64	576.58	576.84	0.46	ppb
Zirconium	90-1	16.10	16.63	16.92	16.55	2.52	ppb
Zirconium	91-1	16.03	16.43	17.20	16.55	3.61	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12MS	Instrumnet Name :	P7
Client Sample ID :	MYE481SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:12:49	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	53094.05	52408.78	53475.97	52992.93	1.02	ppb
Antimony	121-1	310.26	314.58	315.74	313.53	0.92	ppb
Arsenic	75-2	237.60	234.15	234.16	235.31	0.85	ppb
Barium	135-1	6366.32	6533.06	6596.88	6498.75	1.83	ppb
Barium	137-1	6304.34	6440.19	6561.70	6435.41	2.00	ppb
Beryllium	9-1	154.53	152.94	155.26	154.24	0.77	ppb
Bismuth	209-1				108		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	141.51	143.24	145.07	143.27	1.24	ppb
Cadmium	106-1	137.94	143.63	140.16	140.57	2.04	ppb
Cadmium	111-1	152.29	156.82	157.68	155.60	1.86	ppb
Calcium	43-1	21966.86	22197.66	22343.93	22169.49	0.86	ppb
Calcium	44-1	20842.53	21176.38	21264.59	21094.50	1.06	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	683.49	675.56	687.26	682.11	0.88	ppb
Cobalt	59-2	1475.37	1477.52	1490.27	1481.05	0.54	ppb
Copper	63-2	982.93	974.63	993.72	983.76	0.97	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				106		%
Indium	115-1				98		%
Indium	115-2				98		%
Iron	56-2	95608.64	95352.60	95578.31	95513.18	0.15	ppb
Iron	57-2	93758.22	93063.66	93471.11	93431.00	0.37	ppb
Iron	54-2	95094.77	94773.51	94888.34	94918.87	0.17	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12MS	Instrumnet Name :	P7
Client Sample ID :	MYE481SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:12:49	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	124.34	127.13	127.16	126.21	1.29	ppb
Lead	207-1	121.84	122.94	124.97	123.25	1.29	ppb
Lead	208-1	122.95	125.14	124.84	124.31	0.95	ppb
Lithium	6-1				102		%
Magnesium	24-2	21202.63	20927.39	20928.64	21019.55	0.75	ppb
Manganese	55-2	4526.52	4469.32	4538.68	4511.51	0.82	ppb
Molybdenum	94-1	26.86	27.75	27.84	27.48	1.97	ppb
Molybdenum	95-1	1.29	1.31	1.40	1.33	4.40	ppb
Molybdenum	96-1	4.59	4.50	4.73	4.60	2.54	ppb
Molybdenum	97-1	1.36	1.28	1.24	1.29	4.78	ppb
Molybdenum	98-1	1.30	1.29	1.34	1.31	1.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1601.76	1594.17	1611.35	1602.43	0.54	ppb
Phosphorus	31-2	2085.99	2087.18	2042.26	2071.81	1.24	ppb
Potassium	39-2	10455.48	10369.22	10570.21	10464.97	0.96	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				103		%
Scandium	45-2				101		%
Selenium	82-1	315.11	323.01	329.15	322.43	2.18	ppb
Selenium	77-2	331.71	328.99	332.92	331.21	0.61	ppb
Selenium	78-2	325.48	317.73	325.00	322.74	1.35	ppb
Silicon	28-1	1838.43	1849.64	1812.55	1833.54	1.04	ppb
Silver	107-1	87.28	83.15	88.61	86.35	3.30	ppb
Silver	109-1	87.77	94.89	87.68	90.11	4.59	ppb
Sodium	23-2	292.92	290.21	295.74	292.96	0.94	ppb
Strontium	86-1	94.69	96.94	98.19	96.60	1.84	ppb
Strontium	88-1	101.32	100.21	103.03	101.52	1.40	ppb
Sulfur	34-1	-2282.71	-2384.50	-2464.27	-2377.16		ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	135.19	134.56	136.17	135.31	0.60	ppb
Thallium	205-1	134.09	154.88	135.83	141.60	8.14	ppb
Tin	118-1	1.93	2.03	1.98	1.98	2.59	ppb
Titanium	47-1	994.17	1004.65	1003.49	1000.77	0.57	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12MS	Instrumnet Name :	P7
Client Sample ID :	MYE481SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:12:49	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.92	0.96	0.94	0.94	1.86	ppb
Vanadium	51-2	1575.06	1562.24	1570.55	1569.29	0.41	ppb
Yttrium	89-1				104		%
Yttrium	89-2				106		%
Zinc	66-2	1616.61	1613.49	1621.51	1617.20	0.25	ppb
Zirconium	90-1	15.63	16.05	16.52	16.06	2.79	ppb
Zirconium	91-1	15.80	16.38	16.40	16.19	2.09	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05	Instrumnet Name :	P7
Client Sample ID :	MYE494	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:15:55	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49796.53	50328.81	50099.59	50074.98	0.53	ppb
Antimony	121-1	2.18	2.43	2.19	2.27	6.31	ppb
Arsenic	75-2	103.51	105.37	106.32	105.06	1.36	ppb
Barium	135-1	602.06	699.28	606.92	636.09	8.61	ppb
Barium	137-1	603.13	696.45	610.33	636.64	8.16	ppb
Beryllium	9-1	1.66	1.87	1.98	1.84	8.82	ppb
Bismuth	209-1				102		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.01	2.47	1.74	2.07	17.78	ppb
Cadmium	106-1	2.17	3.37	2.77	2.77	21.69	ppb
Cadmium	111-1	0.98	1.23	0.97	1.06	13.82	ppb
Calcium	43-1	27633.96	31244.03	28254.69	29044.23	6.65	ppb
Calcium	44-1	26712.45	29953.83	26850.17	27838.82	6.58	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	94.24	94.32	95.59	94.72	0.80	ppb
Cobalt	59-2	44.40	45.05	44.71	44.72	0.72	ppb
Copper	63-2	170.64	173.06	173.77	172.49	0.95	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				103		%
Indium	115-1				94		%
Indium	115-2				99		%
Iron	56-2	93745.19	94922.08	96676.48	95114.58	1.55	ppb
Iron	57-2	93898.77	93249.63	94762.84	93970.41	0.81	ppb
Iron	54-2	94158.69	94326.70	94282.39	94255.93	0.09	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05	Instrumnet Name :	P7
Client Sample ID :	MYE494	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:15:55	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	40.55	46.55	41.06	42.72	7.80	ppb
Lead	207-1	39.46	44.98	39.51	41.32	7.69	ppb
Lead	208-1	39.46	45.40	39.97	41.61	7.92	ppb
Lithium	6-1				94		%
Magnesium	24-2	22087.28	22322.35	22509.62	22306.42	0.95	ppb
Manganese	55-2	1950.36	1959.95	1975.27	1961.86	0.64	ppb
Molybdenum	94-1	30.37	35.09	30.27	31.91	8.63	ppb
Molybdenum	95-1	1.04	1.24	1.07	1.11	9.88	ppb
Molybdenum	96-1	4.63	5.41	4.74	4.92	8.65	ppb
Molybdenum	97-1	1.08	1.16	0.99	1.08	7.68	ppb
Molybdenum	98-1	0.95	1.20	1.02	1.06	11.86	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	102.91	105.43	105.53	104.62	1.42	ppb
Phosphorus	31-2	2608.76	2628.16	2632.64	2623.19	0.48	ppb
Potassium	39-2	9898.74	9762.73	9843.14	9834.87	0.70	ppb
Rhodium	103-1				91		%
Rhodium	103-2				98		%
Scandium	45-1				99		%
Scandium	45-2				103		%
Selenium	82-1	0.82	2.15	0.84	1.27	59.85	ppb
Selenium	77-2	12.71	19.81	12.38	14.97	28.04	ppb
Selenium	78-2	2.93	2.88	3.89	3.23	17.71	ppb
Silicon	28-1	1355.41	1541.15	1383.71	1426.75	7.01	ppb
Silver	107-1	0.40	0.41	0.36	0.39	6.42	ppb
Silver	109-1	0.44	0.41	0.31	0.39	17.37	ppb
Sodium	23-2	461.59	462.54	466.19	463.44	0.52	ppb
Strontium	86-1	225.42	254.80	225.18	235.14	7.24	ppb
Strontium	88-1	239.90	265.87	236.09	247.29	6.55	ppb
Sulfur	34-1	-2079.60	-1470.79	-2014.14	-1854.84		ppb
Terbium	159-1				98		%
Terbium	159-2				101		%
Thallium	203-1	0.33	0.35	0.32	0.34	5.08	ppb
Thallium	205-1	0.32	0.36	0.34	0.34	5.46	ppb
Tin	118-1	2.44	2.77	2.53	2.58	6.53	ppb
Titanium	47-1	1046.65	1179.80	1057.90	1094.78	6.74	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05	Instrumnet Name :	P7
Client Sample ID :	MYE494	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:15:55	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.00	1.14	1.03	1.06	6.91	ppb
Vanadium	51-2	177.89	178.84	181.44	179.39	1.03	ppb
Yttrium	89-1				100		%
Yttrium	89-2				106		%
Zinc	66-2	190.14	192.63	192.81	191.86	0.78	ppb
Zirconium	90-1	18.22	20.50	18.11	18.94	7.11	ppb
Zirconium	91-1	18.17	20.56	18.16	18.97	7.29	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-06	Instrumnet Name :	P7
Client Sample ID :	MYE494D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:19:11	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51676.21	51501.42	51600.74	51592.79	0.17	ppb
Antimony	121-1	2.10	2.04	2.20	2.11	3.91	ppb
Arsenic	75-2	109.71	109.66	107.87	109.08	0.96	ppb
Barium	135-1	611.29	613.21	637.93	620.81	2.39	ppb
Barium	137-1	610.25	612.73	685.78	636.25	6.74	ppb
Beryllium	9-1	1.66	1.89	1.83	1.79	6.56	ppb
Bismuth	209-1				106		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.30	1.56	1.90	1.92	19.41	ppb
Cadmium	106-1	2.89	2.62	1.30	2.27	37.50	ppb
Cadmium	111-1	1.02	0.93	0.89	0.95	6.92	ppb
Calcium	43-1	28020.24	28478.12	28601.12	28366.50	1.08	ppb
Calcium	44-1	27455.91	27298.42	27253.25	27335.86	0.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	97.19	97.07	96.90	97.05	0.15	ppb
Cobalt	59-2	45.90	45.69	45.86	45.81	0.24	ppb
Copper	63-2	175.75	175.49	176.92	176.05	0.43	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				104		%
Indium	115-1				99		%
Indium	115-2				98		%
Iron	56-2	97425.56	97699.93	96988.86	97371.45	0.37	ppb
Iron	57-2	95462.66	95937.36	94787.87	95395.96	0.61	ppb
Iron	54-2	96327.26	96642.04	96552.67	96507.32	0.17	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-06	Instrumnet Name :	P7
Client Sample ID :	MYE494D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:19:11	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	40.60	41.45	41.51	41.18	1.24	ppb
Lead	207-1	39.11	40.06	40.61	39.92	1.90	ppb
Lead	208-1	39.53	40.10	40.49	40.04	1.21	ppb
Lithium	6-1				97		%
Magnesium	24-2	22831.81	22927.23	22804.90	22854.65	0.28	ppb
Manganese	55-2	2001.43	1994.56	1994.62	1996.87	0.20	ppb
Molybdenum	94-1	31.16	32.63	31.78	31.86	2.31	ppb
Molybdenum	95-1	1.06	1.12	1.13	1.10	3.11	ppb
Molybdenum	96-1	4.77	5.02	4.86	4.88	2.53	ppb
Molybdenum	97-1	1.13	1.12	1.06	1.10	3.43	ppb
Molybdenum	98-1	0.96	1.05	1.00	1.00	4.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	106.75	106.22	106.82	106.60	0.31	ppb
Phosphorus	31-2	2697.02	2656.25	2691.67	2681.65	0.83	ppb
Potassium	39-2	10038.45	10069.05	10056.81	10054.77	0.15	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	82-1	0.89	1.16	1.23	1.09	16.22	ppb
Selenium	77-2	16.29	18.18	20.01	18.16	10.26	ppb
Selenium	78-2	3.26	0.75	1.73	1.91	66.08	ppb
Silicon	28-1	1329.22	1339.84	1333.20	1334.09	0.40	ppb
Silver	107-1	0.33	0.33	0.35	0.34	3.67	ppb
Silver	109-1	0.30	0.31	0.34	0.32	6.48	ppb
Sodium	23-2	460.89	464.41	461.32	462.21	0.42	ppb
Strontium	86-1	228.38	231.55	236.01	231.98	1.65	ppb
Strontium	88-1	237.67	248.14	247.90	244.57	2.44	ppb
Sulfur	34-1	-1889.88	-1961.95	-2060.31	-1970.71		ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	0.31	0.31	0.29	0.30	3.74	ppb
Thallium	205-1	0.29	0.31	0.30	0.30	2.69	ppb
Tin	118-1	2.50	2.42	2.46	2.46	1.81	ppb
Titanium	47-1	1080.91	1085.97	1074.94	1080.61	0.51	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-06	Instrumnet Name :	P7
Client Sample ID :	MYE494D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:19:11	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.03	1.06	1.04	1.04	1.38	ppb
Vanadium	51-2	184.93	184.32	184.16	184.47	0.22	ppb
Yttrium	89-1				103		%
Yttrium	89-2				106		%
Zinc	66-2	195.63	194.42	195.72	195.26	0.37	ppb
Zirconium	90-1	18.72	19.31	19.44	19.16	1.99	ppb
Zirconium	91-1	18.47	19.33	19.28	19.02	2.53	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05LX5	Instrumnet Name :	P7
Client Sample ID :	MYE494L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 15:22:28	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9886.12	10020.57	9958.20	9954.96	0.68	ppb
Antimony	121-1	0.37	0.40	0.42	0.39	6.28	ppb
Arsenic	75-2	20.16	20.82	19.98	20.32	2.18	ppb
Barium	135-1	113.94	117.04	116.72	115.90	1.47	ppb
Barium	137-1	113.60	117.00	116.77	115.79	1.64	ppb
Beryllium	9-1	0.39	0.29	0.30	0.33	17.15	ppb
Bismuth	209-1				107		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.24	0.20	0.25	0.23	9.67	ppb
Cadmium	106-1	-0.61	-0.54	-1.00	-0.71		ppb
Cadmium	111-1	0.14	0.15	0.09	0.13	27.07	ppb
Calcium	43-1	5585.74	5569.96	5519.14	5558.28	0.63	ppb
Calcium	44-1	5582.95	5635.07	5534.60	5584.20	0.90	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	18.75	18.52	18.76	18.68	0.72	ppb
Cobalt	59-2	8.79	8.94	8.95	8.89	1.03	ppb
Copper	63-2	34.34	34.10	34.37	34.27	0.44	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				104		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	18441.09	18869.94	18873.01	18728.01	1.33	ppb
Iron	57-2	18851.39	18867.75	19047.40	18922.18	0.57	ppb
Iron	54-2	18965.92	18800.78	18697.34	18821.35	0.72	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05LX5	Instrumnet Name :	P7
Client Sample ID :	MYE494L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 15:22:28	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	7.56	7.77	7.60	7.64	1.40	ppb
Lead	207-1	7.06	7.40	7.32	7.26	2.48	ppb
Lead	208-1	7.27	7.46	7.39	7.37	1.30	ppb
Lithium	6-1				95		%
Magnesium	24-2	4498.36	4507.13	4523.12	4509.54	0.28	ppb
Manganese	55-2	383.32	386.85	385.39	385.19	0.46	ppb
Molybdenum	94-1	5.99	6.00	5.95	5.98	0.46	ppb
Molybdenum	95-1	0.23	0.24	0.23	0.24	3.28	ppb
Molybdenum	96-1	1.00	1.01	0.96	0.99	2.88	ppb
Molybdenum	97-1	0.23	0.24	0.27	0.25	9.90	ppb
Molybdenum	98-1	0.24	0.23	0.23	0.24	2.69	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	20.43	20.91	20.75	20.70	1.18	ppb
Phosphorus	31-2	494.56	514.26	497.34	502.05	2.12	ppb
Potassium	39-2	2033.68	2042.16	2022.32	2032.72	0.49	ppb
Rhodium	103-1				97		%
Rhodium	103-2				99		%
Scandium	45-1				97		%
Scandium	45-2				97		%
Selenium	82-1	0.75	1.03	0.54	0.77	32.40	ppb
Selenium	77-2	1.79	2.21	1.84	1.95	11.76	ppb
Selenium	78-2	0.79	0.64	2.06	1.16	67.23	ppb
Silicon	28-1	278.95	276.37	267.71	274.34	2.15	ppb
Silver	107-1	0.07	0.08	0.05	0.07	17.67	ppb
Silver	109-1	0.07	0.07	0.08	0.07	9.93	ppb
Sodium	23-2	113.18	115.17	116.16	114.84	1.32	ppb
Strontium	86-1	45.17	44.04	44.37	44.53	1.31	ppb
Strontium	88-1	45.13	44.99	44.82	44.98	0.35	ppb
Sulfur	34-1	-1909.01	-1973.03	-2118.61	-2000.22		ppb
Terbium	159-1				100		%
Terbium	159-2				102		%
Thallium	203-1	0.06	0.07	0.07	0.07	6.95	ppb
Thallium	205-1	0.07	0.06	0.05	0.06	9.65	ppb
Tin	118-1	0.48	0.54	0.54	0.52	6.71	ppb
Titanium	47-1	209.69	208.20	206.40	208.10	0.79	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05LX5	Instrumnet Name :	P7
Client Sample ID :	MYE494L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 15:22:28	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.19	0.18	0.18	0.18	1.89	ppb
Vanadium	51-2	34.65	35.42	34.89	34.99	1.13	ppb
Yttrium	89-1				98		%
Yttrium	89-2				101		%
Zinc	66-2	38.14	37.98	39.87	38.66	2.70	ppb
Zirconium	90-1	3.52	3.55	3.54	3.54	0.43	ppb
Zirconium	91-1	3.48	3.53	3.50	3.50	0.65	ppb

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On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-07	Instrumnet Name :	P7
Client Sample ID :	MYE494S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:25:43	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52489.63	52116.68	51964.69	52190.33	0.52	ppb
Antimony	121-1	67.80	68.76	69.84	68.80	1.49	ppb
Arsenic	75-2	130.77	133.59	128.92	131.10	1.79	ppb
Barium	135-1	2041.67	2071.81	2131.60	2081.69	2.20	ppb
Barium	137-1	2037.52	2040.39	2086.98	2054.96	1.35	ppb
Beryllium	9-1	37.84	39.35	39.59	38.93	2.43	ppb
Bismuth	209-1				106		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	33.86	34.35	34.76	34.32	1.31	ppb
Cadmium	106-1	31.31	32.00	34.51	32.61	5.15	ppb
Cadmium	111-1	35.33	35.53	36.30	35.72	1.44	ppb
Calcium	43-1	27573.73	28284.29	27975.92	27944.64	1.28	ppb
Calcium	44-1	26314.90	27191.68	27014.86	26840.48	1.73	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	231.96	231.07	228.45	230.49	0.79	ppb
Cobalt	59-2	385.41	382.75	385.80	384.65	0.43	ppb
Copper	63-2	329.60	328.87	325.05	327.84	0.75	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				104		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	97966.24	97659.75	95582.66	97069.55	1.34	ppb
Iron	57-2	96101.04	95018.01	95638.41	95585.82	0.57	ppb
Iron	54-2	97932.98	96022.28	95758.45	96571.24	1.23	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-07	Instrumnet Name :	P7
Client Sample ID :	MYE494S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:25:43	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	53.67	53.11	54.00	53.59	0.84	ppb
Lead	207-1	51.72	51.41	51.40	51.51	0.35	ppb
Lead	208-1	52.11	51.71	52.26	52.03	0.54	ppb
Lithium	6-1				96		%
Magnesium	24-2	22965.16	22541.02	22166.26	22557.48	1.77	ppb
Manganese	55-2	2337.37	2296.32	2270.63	2301.44	1.46	ppb
Molybdenum	94-1	31.00	31.50	31.88	31.46	1.41	ppb
Molybdenum	95-1	1.07	1.08	1.12	1.09	2.37	ppb
Molybdenum	96-1	4.72	4.74	4.76	4.74	0.41	ppb
Molybdenum	97-1	1.09	1.02	1.12	1.08	4.99	ppb
Molybdenum	98-1	1.02	0.99	1.03	1.02	2.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	445.79	441.83	440.46	442.69	0.63	ppb
Phosphorus	31-2	2646.39	2651.16	2638.57	2645.37	0.24	ppb
Potassium	39-2	10050.41	9918.63	9829.60	9932.88	1.12	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				103		%
Scandium	45-2				103		%
Selenium	82-1	69.26	69.77	70.19	69.74	0.67	ppb
Selenium	77-2	79.64	86.61	76.41	80.89	6.45	ppb
Selenium	78-2	71.60	69.08	72.30	70.99	2.38	ppb
Silicon	28-1	1358.30	1408.11	1369.18	1378.53	1.90	ppb
Silver	107-1	29.35	29.63	30.31	29.76	1.66	ppb
Silver	109-1	29.09	29.51	30.03	29.54	1.59	ppb
Sodium	23-2	466.91	463.04	455.28	461.74	1.28	ppb
Strontium	86-1	224.00	228.45	230.76	227.74	1.51	ppb
Strontium	88-1	234.78	242.84	240.52	239.38	1.73	ppb
Sulfur	34-1	-2026.62	-2019.52	-2116.87	-2054.33		ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	30.14	29.72	30.29	30.05	0.99	ppb
Thallium	205-1	29.84	29.84	30.01	29.90	0.34	ppb
Tin	118-1	2.50	2.44	2.61	2.52	3.46	ppb
Titanium	47-1	1050.40	1074.81	1055.31	1060.17	1.22	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-07	Instrumnet Name :	P7
Client Sample ID :	MYE494S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:25:43	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.02	1.02	1.04	1.03	1.47	ppb
Vanadium	51-2	517.56	507.46	506.10	510.37	1.23	ppb
Yttrium	89-1				104		%
Yttrium	89-2				106		%
Zinc	66-2	518.81	516.71	509.62	515.05	0.94	ppb
Zirconium	90-1	18.09	18.52	18.76	18.46	1.84	ppb
Zirconium	91-1	18.39	18.84	18.40	18.54	1.40	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV037	Instrumnet Name :	P7
Client Sample ID :	CCV037	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:28:47	DataFile Name :	057CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47644.51	47510.44	47912.41	47689.12	0.43	ppb
Antimony	121-1	498.63	500.54	504.36	501.18	0.58	ppb
Arsenic	75-2	532.39	533.17	522.68	529.41	1.10	ppb
Barium	135-1	2491.55	2517.11	2519.80	2509.48	0.62	ppb
Barium	137-1	2504.71	2489.56	2521.13	2505.14	0.63	ppb
Beryllium	9-1	509.41	524.06	529.23	520.90	1.97	ppb
Bismuth	209-1				109		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	512.00	511.07	521.85	514.97	1.16	ppb
Cadmium	106-1	509.33	515.80	513.06	512.73	0.63	ppb
Cadmium	111-1	507.50	515.48	513.36	512.12	0.81	ppb
Calcium	43-1	241266.09	242314.90	240803.98	241461.66	0.32	ppb
Calcium	44-1	237420.22	238605.23	241600.28	239208.57	0.90	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	500.58	488.39	494.47	494.48	1.23	ppb
Cobalt	59-2	517.82	510.66	513.03	513.83	0.71	ppb
Copper	63-2	5051.98	5025.50	4961.69	5013.05	0.93	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				108		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	56-2	124815.48	125055.57	123254.68	124375.24	0.79	ppb
Iron	57-2	122382.52	121790.74	122427.60	122200.28	0.29	ppb
Iron	54-2	124183.57	123410.94	123246.08	123613.53	0.40	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV037	Instrumnet Name :	P7
Client Sample ID :	CCV037	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:28:47	DataFile Name :	057CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2431.57	2468.12	2546.05	2481.91	2.36	ppb
Lead	207-1	2420.53	2465.10	2498.82	2461.49	1.60	ppb
Lead	208-1	2445.91	2451.88	2505.68	2467.82	1.33	ppb
Lithium	6-1				102		%
Magnesium	24-2	246454.39	243410.17	247010.91	245625.16	0.79	ppb
Manganese	55-2	4966.74	4935.24	4882.56	4928.18	0.86	ppb
Molybdenum	94-1	4900.26	4952.22	5043.84	4965.44	1.46	ppb
Molybdenum	95-1	4919.96	4945.71	4990.42	4952.03	0.72	ppb
Molybdenum	96-1	4910.76	4898.46	4950.93	4920.05	0.56	ppb
Molybdenum	97-1	4831.28	4929.52	4932.36	4897.72	1.18	ppb
Molybdenum	98-1	4843.45	4878.62	4958.47	4893.51	1.20	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	509.56	510.18	510.52	510.08	0.10	ppb
Phosphorus	31-2	9823.31	9863.82	9829.69	9838.94	0.22	ppb
Potassium	39-2	122083.79	120848.32	121615.73	121515.95	0.51	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				101		%
Scandium	45-2				102		%
Selenium	82-1	509.18	508.26	509.24	508.89	0.11	ppb
Selenium	77-2	519.55	491.74	516.37	509.22	2.99	ppb
Selenium	78-2	534.87	508.32	516.83	520.01	2.61	ppb
Silicon	28-1	2816.87	2839.18	2830.34	2828.80	0.40	ppb
Silver	107-1	521.16	520.66	521.59	521.14	0.09	ppb
Silver	109-1	525.00	521.90	528.62	525.17	0.64	ppb
Sodium	23-2	242181.56	238516.86	240594.22	240430.88	0.76	ppb
Strontium	86-1	12129.53	12152.84	12395.07	12225.82	1.20	ppb
Strontium	88-1	12399.63	12333.81	12419.55	12384.33	0.36	ppb
Sulfur	34-1	8918.30	8725.67	8966.20	8870.06	1.44	ppb
Terbium	159-1				108		%
Terbium	159-2				105		%
Thallium	203-1	495.50	495.00	513.27	501.26	2.08	ppb
Thallium	205-1	501.11	491.21	514.91	502.41	2.37	ppb
Tin	118-1	481.30	484.64	489.91	485.28	0.89	ppb
Titanium	47-1	4955.96	4836.58	4955.79	4916.11	1.40	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV037	Instrumnet Name :	P7
Client Sample ID :	CCV037	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:28:47	DataFile Name :	057CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	493.10	490.39	511.20	498.23	2.27	ppb
Vanadium	51-2	498.35	495.19	496.22	496.59	0.32	ppb
Yttrium	89-1				104		%
Yttrium	89-2				103		%
Zinc	66-2	5143.88	5117.19	5061.07	5107.38	0.83	ppb
Zirconium	90-1	503.79	502.38	506.83	504.33	0.45	ppb
Zirconium	91-1	490.87	494.54	500.64	495.35	1.00	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB037	Instrumnet Name :	P7
Client Sample ID :	CCB037	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:31:35	DataFile Name :	058CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5.68	5.30	4.98	5.32	6.65	ppb
Antimony	121-1	0.36	0.34	0.32	0.34	5.10	ppb
Arsenic	75-2	0.10	0.05	0.06	0.07	40.07	ppb
Barium	135-1	0.28	0.20	0.26	0.25	17.71	ppb
Barium	137-1	0.30	0.28	0.22	0.26	16.05	ppb
Beryllium	9-1	0.08	0.09	0.04	0.07	35.56	ppb
Bismuth	209-1				112		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.07	0.05	-0.07	0.02	423.36	ppb
Cadmium	106-1	-0.96	-0.52	-1.90	-1.13		ppb
Cadmium	111-1	-0.02	0.00	-0.07	-0.03		ppb
Calcium	43-1	20.13	17.45	8.62	15.40	39.11	ppb
Calcium	44-1	4.01	2.86	1.53	2.80	44.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	0.06	0.02	0.03	91.52	ppb
Cobalt	59-2	0.05	0.04	0.05	0.05	6.14	ppb
Copper	63-2	0.45	0.44	0.37	0.42	9.91	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				107		%
Indium	115-1				105		%
Indium	115-2				104		%
Iron	56-2	12.08	11.50	11.55	11.71	2.75	ppb
Iron	57-2	4.65	9.42	9.67	7.92	35.74	ppb
Iron	54-2	10.95	11.77	10.56	11.09	5.58	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB037	Instrumnet Name :	P7
Client Sample ID :	CCB037	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:31:35	DataFile Name :	058CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.27	0.28	0.21	0.25	16.56	ppb
Lead	207-1	0.25	0.20	0.22	0.22	10.17	ppb
Lead	208-1	0.26	0.24	0.21	0.24	11.76	ppb
Lithium	6-1				97		%
Magnesium	24-2	18.66	17.76	17.75	18.06	2.89	ppb
Manganese	55-2	0.45	0.46	0.46	0.45	0.73	ppb
Molybdenum	94-1	0.53	0.53	0.54	0.53	1.70	ppb
Molybdenum	95-1	0.50	0.48	0.45	0.48	4.77	ppb
Molybdenum	96-1	0.54	0.49	0.45	0.50	9.08	ppb
Molybdenum	97-1	0.52	0.47	0.44	0.48	7.83	ppb
Molybdenum	98-1	0.50	0.47	0.44	0.47	6.81	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.06	0.06	0.06	0.06	5.86	ppb
Phosphorus	31-2	-18.98	-19.28	-16.87	-18.38		ppb
Potassium	39-2	9.69	14.76	10.16	11.54	24.27	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	82-1	0.18	-0.47	0.15	-0.05		ppb
Selenium	77-2	-0.37	-0.37	-0.37	-0.37		ppb
Selenium	78-2	-0.59	-0.93	-0.74	-0.76		ppb
Silicon	28-1	-2.50	-1.09	-1.74	-1.78		ppb
Silver	107-1	0.08	0.06	0.06	0.07	12.24	ppb
Silver	109-1	0.08	0.07	0.05	0.07	24.07	ppb
Sodium	23-2	53.32	52.75	51.06	52.38	2.25	ppb
Strontium	86-1	0.95	0.90	0.79	0.88	9.45	ppb
Strontium	88-1	1.00	0.84	0.76	0.87	13.77	ppb
Sulfur	34-1	-980.77	-469.51	-657.26	-702.51		ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	0.11	0.10	0.09	0.10	12.72	ppb
Thallium	205-1	0.10	0.09	0.09	0.09	9.16	ppb
Tin	118-1	0.08	0.15	0.08	0.10	34.49	ppb
Titanium	47-1	0.47	0.53	0.42	0.47	10.88	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB037	Instrumnet Name :	P7
Client Sample ID :	CCB037	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:31:35	DataFile Name :	058CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.03	0.03	0.03	15.23	ppb
Vanadium	51-2	0.02	0.05	0.05	0.04	36.41	ppb
Yttrium	89-1				102		%
Yttrium	89-2				104		%
Zinc	66-2	0.27	0.18	0.27	0.24	21.22	ppb
Zirconium	90-1	0.05	0.05	0.06	0.05	8.92	ppb
Zirconium	91-1	0.07	0.04	0.03	0.04	45.32	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05MS	Instrumnet Name :	P7
Client Sample ID :	MYE494SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:34:52	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	54559.14	54988.03	54843.08	54796.75	0.40	ppb
Antimony	121-1	306.37	304.97	311.07	307.47	1.04	ppb
Arsenic	75-2	219.47	213.94	217.05	216.82	1.28	ppb
Barium	135-1	6521.23	6566.65	6796.41	6628.10	2.23	ppb
Barium	137-1	6599.84	6546.55	6741.40	6629.26	1.52	ppb
Beryllium	9-1	160.47	164.71	170.07	165.09	2.91	ppb
Bismuth	209-1				107		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	142.49	135.43	146.30	141.41	3.90	ppb
Cadmium	106-1	134.84	138.29	143.20	138.78	3.03	ppb
Cadmium	111-1	148.68	150.17	155.30	151.38	2.29	ppb
Calcium	43-1	26511.02	26943.71	27361.40	26938.71	1.58	ppb
Calcium	44-1	25408.74	26078.79	26264.22	25917.25	1.74	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	675.64	668.26	677.14	673.68	0.71	ppb
Cobalt	59-2	1477.14	1453.77	1478.82	1469.91	0.95	ppb
Copper	63-2	846.99	852.98	861.68	853.89	0.86	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				104		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	95472.64	95698.34	96149.61	95773.53	0.36	ppb
Iron	57-2	94700.08	93195.00	93961.82	93952.30	0.80	ppb
Iron	54-2	96431.43	96532.61	96635.41	96533.15	0.11	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05MS	Instrumnet Name :	P7
Client Sample ID :	MYE494SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:34:52	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	90.96	91.52	93.07	91.85	1.19	ppb
Lead	207-1	87.80	87.49	90.14	88.48	1.64	ppb
Lead	208-1	88.82	89.60	91.52	89.98	1.54	ppb
Lithium	6-1				94		%
Magnesium	24-2	21885.18	21862.92	21979.21	21909.10	0.28	ppb
Manganese	55-2	3318.18	3303.45	3367.09	3329.57	1.00	ppb
Molybdenum	94-1	30.05	30.90	31.35	30.77	2.15	ppb
Molybdenum	95-1	1.12	1.10	1.12	1.11	1.04	ppb
Molybdenum	96-1	4.72	4.70	4.71	4.71	0.24	ppb
Molybdenum	97-1	1.14	1.10	1.10	1.11	2.19	ppb
Molybdenum	98-1	1.10	1.07	1.11	1.10	1.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1623.55	1609.68	1612.26	1615.16	0.46	ppb
Phosphorus	31-2	2554.56	2566.62	2553.12	2558.10	0.29	ppb
Potassium	39-2	9740.62	9711.98	9666.30	9706.30	0.39	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				106		%
Scandium	45-2				107		%
Selenium	82-1	319.86	322.37	328.82	323.68	1.43	ppb
Selenium	77-2	330.30	327.02	339.88	332.40	2.01	ppb
Selenium	78-2	321.03	315.81	332.52	323.12	2.65	ppb
Silicon	28-1	1300.43	1305.00	1340.34	1315.26	1.66	ppb
Silver	107-1	90.79	89.58	96.38	92.25	3.93	ppb
Silver	109-1	94.96	96.88	102.05	97.96	3.74	ppb
Sodium	23-2	458.50	460.67	466.18	461.79	0.86	ppb
Strontium	86-1	220.15	219.66	226.69	222.17	1.77	ppb
Strontium	88-1	230.86	234.39	234.68	233.31	0.91	ppb
Sulfur	34-1	-1401.43	-1633.44	-1749.17	-1594.68		ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	126.10	128.46	130.37	128.31	1.67	ppb
Thallium	205-1	127.35	128.42	130.48	128.75	1.24	ppb
Tin	118-1	2.38	2.42	2.45	2.42	1.59	ppb
Titanium	47-1	1002.24	1018.65	1033.68	1018.19	1.54	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05MS	Instrumnet Name :	P7
Client Sample ID :	MYE494SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:34:52	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.97	0.99	1.02	0.99	2.80	ppb
Vanadium	51-2	1591.63	1587.38	1597.09	1592.03	0.31	ppb
Yttrium	89-1				105		%
Yttrium	89-2				108		%
Zinc	66-2	1554.22	1550.25	1559.44	1554.64	0.30	ppb
Zirconium	90-1	17.86	18.07	18.09	18.01	0.70	ppb
Zirconium	91-1	18.00	18.16	18.55	18.24	1.56	ppb

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-01	Instrumnet Name :	P7
Client Sample ID :	MYE450	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:37:53	DataFile Name :	060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	39291.04	38696.25	38592.81	38860.03	0.97	ppb
Antimony	121-1	2.57	3.07	2.74	2.79	9.03	ppb
Arsenic	75-2	102.27	103.10	104.99	103.46	1.35	ppb
Barium	135-1	400.20	485.57	426.44	437.41	10.00	ppb
Barium	137-1	399.34	480.37	424.40	434.70	9.54	ppb
Beryllium	9-1	1.47	1.38	1.49	1.45	4.20	ppb
Bismuth	209-1				103		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.64	3.21	3.01	2.95	9.95	ppb
Cadmium	106-1	2.41	2.69	3.23	2.78	14.90	ppb
Cadmium	111-1	2.10	2.59	2.33	2.34	10.42	ppb
Calcium	43-1	28620.34	33618.68	30155.41	30798.14	8.31	ppb
Calcium	44-1	27701.86	32553.89	29036.51	29764.08	8.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	97.56	98.22	96.42	97.40	0.93	ppb
Cobalt	59-2	44.40	44.35	43.71	44.15	0.87	ppb
Copper	63-2	302.75	305.73	304.32	304.27	0.49	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				104		%
Indium	115-1				96		%
Indium	115-2				101		%
Iron	56-2	85470.01	86054.79	84834.70	85453.17	0.71	ppb
Iron	57-2	83994.89	84238.86	83921.55	84051.77	0.20	ppb
Iron	54-2	84869.14	85022.52	84366.22	84752.63	0.41	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-01	Instrumnet Name :	P7
Client Sample ID :	MYE450	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:37:53	DataFile Name :	060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	67.25	77.74	69.30	71.43	7.79	ppb
Lead	207-1	64.31	75.76	67.45	69.17	8.56	ppb
Lead	208-1	65.15	76.33	67.90	69.79	8.34	ppb
Lithium	6-1				91		%
Magnesium	24-2	18474.52	18612.06	18887.17	18657.92	1.13	ppb
Manganese	55-2	2165.26	2169.98	2153.07	2162.77	0.40	ppb
Molybdenum	94-1	21.38	25.39	22.44	23.07	9.02	ppb
Molybdenum	95-1	2.20	2.42	2.14	2.25	6.59	ppb
Molybdenum	96-1	4.48	5.28	4.70	4.82	8.52	ppb
Molybdenum	97-1	2.03	2.49	2.09	2.21	11.28	ppb
Molybdenum	98-1	2.05	2.51	2.16	2.24	10.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	79.70	77.98	78.80	78.83	1.09	ppb
Phosphorus	31-2	3199.64	3119.42	3155.28	3158.11	1.27	ppb
Potassium	39-2	13196.22	13178.90	13126.84	13167.32	0.27	ppb
Rhodium	103-1				93		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				105		%
Selenium	82-1	2.32	2.50	2.14	2.32	7.56	ppb
Selenium	77-2	15.42	10.65	13.05	13.04	18.32	ppb
Selenium	78-2	1.97	3.45	5.21	3.54	45.80	ppb
Silicon	28-1	1626.79	1932.10	1744.39	1767.76	8.71	ppb
Silver	107-1	0.79	0.89	0.82	0.83	6.17	ppb
Silver	109-1	0.78	0.89	0.75	0.81	8.89	ppb
Sodium	23-2	349.29	344.06	345.25	346.20	0.79	ppb
Strontium	86-1	137.39	162.02	141.36	146.92	9.00	ppb
Strontium	88-1	145.56	168.78	151.85	155.39	7.73	ppb
Sulfur	34-1	-1763.68	-985.89	-1659.41	-1469.66		ppb
Terbium	159-1				99		%
Terbium	159-2				103		%
Thallium	203-1	0.35	0.43	0.37	0.38	10.83	ppb
Thallium	205-1	0.36	0.41	0.35	0.37	8.31	ppb
Tin	118-1	1.74	2.24	1.97	1.98	12.47	ppb
Titanium	47-1	1082.15	1258.48	1145.65	1162.09	7.69	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-01	Instrumnet Name :	P7
Client Sample ID :	MYE450	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:37:53	DataFile Name :	060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.43	1.70	1.56	1.56	8.57	ppb
Vanadium	51-2	158.82	159.51	159.41	159.25	0.23	ppb
Yttrium	89-1				102		%
Yttrium	89-2				108		%
Zinc	66-2	277.34	277.67	275.35	276.79	0.45	ppb
Zirconium	90-1	11.67	14.05	12.39	12.70	9.60	ppb
Zirconium	91-1	11.88	14.24	12.33	12.82	9.76	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-02	Instrumnet Name :	P7
Client Sample ID :	MYE451	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:41:00	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	37473.82	37868.33	37285.70	37542.62	0.79	ppb
Antimony	121-1	2.22	2.27	2.32	2.27	2.20	ppb
Arsenic	75-2	87.71	87.36	86.83	87.30	0.51	ppb
Barium	135-1	385.40	385.79	389.40	386.86	0.57	ppb
Barium	137-1	382.66	387.11	390.78	386.85	1.05	ppb
Beryllium	9-1	1.49	1.46	1.59	1.51	4.76	ppb
Bismuth	209-1				107		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.20	2.59	2.16	2.32	10.33	ppb
Cadmium	106-1	2.21	2.07	1.68	1.99	13.87	ppb
Cadmium	111-1	1.88	1.86	2.02	1.92	4.59	ppb
Calcium	43-1	11020.01	11572.13	11085.89	11226.01	2.69	ppb
Calcium	44-1	10731.88	11182.38	10717.41	10877.23	2.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	92.63	92.37	92.36	92.45	0.16	ppb
Cobalt	59-2	42.15	41.45	40.73	41.44	1.70	ppb
Copper	63-2	261.31	260.10	258.54	259.98	0.53	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				104		%
Indium	115-1				99		%
Indium	115-2				100		%
Iron	56-2	87193.53	86205.86	85349.28	86249.56	1.07	ppb
Iron	57-2	84585.27	84882.33	83720.86	84396.16	0.71	ppb
Iron	54-2	85978.15	86071.20	85018.09	85689.15	0.68	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-02	Instrumnet Name :	P7
Client Sample ID :	MYE451	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:41:00	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	63.10	63.82	63.97	63.63	0.73	ppb
Lead	207-1	61.72	62.12	63.23	62.35	1.25	ppb
Lead	208-1	61.93	62.40	63.18	62.50	1.01	ppb
Lithium	6-1				94		%
Magnesium	24-2	17091.63	17309.40	17430.30	17277.11	0.99	ppb
Manganese	55-2	2026.16	2059.35	2010.30	2031.94	1.23	ppb
Molybdenum	94-1	20.28	20.67	20.50	20.48	0.96	ppb
Molybdenum	95-1	2.12	2.16	2.23	2.17	2.63	ppb
Molybdenum	96-1	4.49	4.64	4.58	4.57	1.65	ppb
Molybdenum	97-1	2.10	2.06	2.22	2.13	3.91	ppb
Molybdenum	98-1	2.08	2.12	2.11	2.11	0.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	77.13	77.96	76.91	77.34	0.72	ppb
Phosphorus	31-2	3183.74	3176.03	3154.43	3171.40	0.48	ppb
Potassium	39-2	12997.73	12804.32	12761.61	12854.55	0.98	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				103		%
Scandium	45-2				104		%
Selenium	82-1	1.29	1.70	1.75	1.58	16.14	ppb
Selenium	77-2	13.58	10.92	10.61	11.70	13.98	ppb
Selenium	78-2	4.82	3.66	2.88	3.78	25.78	ppb
Silicon	28-1	1869.61	2012.89	1954.28	1945.59	3.70	ppb
Silver	107-1	0.56	0.59	0.58	0.58	3.37	ppb
Silver	109-1	0.57	0.57	0.60	0.58	2.69	ppb
Sodium	23-2	275.68	274.49	271.82	274.00	0.72	ppb
Strontium	86-1	95.09	95.59	96.64	95.77	0.83	ppb
Strontium	88-1	98.09	101.21	101.40	100.23	1.86	ppb
Sulfur	34-1	-1906.60	-1923.22	-2168.21	-1999.34		ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	0.36	0.36	0.36	0.36	0.79	ppb
Thallium	205-1	0.36	0.37	0.39	0.37	4.14	ppb
Tin	118-1	1.97	2.03	2.07	2.02	2.39	ppb
Titanium	47-1	989.49	1035.87	1012.81	1012.72	2.29	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-02	Instrumnet Name :	P7
Client Sample ID :	MYE451	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:41:00	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.23	1.26	1.31	1.27	3.31	ppb
Vanadium	51-2	156.05	155.61	155.11	155.59	0.30	ppb
Yttrium	89-1				106		%
Yttrium	89-2				108		%
Zinc	66-2	278.82	282.90	276.55	279.42	1.15	ppb
Zirconium	90-1	11.12	11.60	11.35	11.36	2.11	ppb
Zirconium	91-1	11.32	11.22	11.38	11.31	0.74	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-03	Instrumnet Name :	P7
Client Sample ID :	MYE452	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:44:12	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	42005.94	42301.74	42706.24	42337.97	0.83	ppb
Antimony	121-1	2.00	2.03	2.13	2.05	3.21	ppb
Arsenic	75-2	107.48	107.82	113.68	109.66	3.18	ppb
Barium	135-1	497.46	513.83	545.41	518.90	4.70	ppb
Barium	137-1	495.08	510.72	541.43	515.74	4.57	ppb
Beryllium	9-1	1.88	1.60	1.65	1.71	8.82	ppb
Bismuth	209-1				104		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.24	2.15	2.05	2.48	26.72	ppb
Cadmium	106-1	3.12	2.14	2.69	2.65	18.49	ppb
Cadmium	111-1	1.84	1.97	2.04	1.95	5.17	ppb
Calcium	43-1	21571.30	21654.07	23487.23	22237.53	4.87	ppb
Calcium	44-1	20564.12	21312.12	22913.47	21596.57	5.56	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	92.36	93.11	93.92	93.13	0.84	ppb
Cobalt	59-2	42.90	43.27	43.87	43.35	1.13	ppb
Copper	63-2	276.83	280.62	283.38	280.28	1.17	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				105		%
Indium	115-1				99		%
Indium	115-2				102		%
Iron	56-2	84663.49	84859.20	85752.92	85091.87	0.68	ppb
Iron	57-2	83308.30	83936.77	84575.07	83940.05	0.75	ppb
Iron	54-2	83850.95	83799.93	84817.06	84155.98	0.68	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-03	Instrumnet Name :	P7
Client Sample ID :	MYE452	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:44:12	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	66.12	67.16	72.01	68.43	4.59	ppb
Lead	207-1	63.65	64.90	70.48	66.34	5.48	ppb
Lead	208-1	64.40	64.97	69.97	66.45	4.61	ppb
Lithium	6-1				94		%
Magnesium	24-2	19917.02	19980.16	20347.90	20081.70	1.16	ppb
Manganese	55-2	2687.80	2643.79	2705.26	2678.95	1.18	ppb
Molybdenum	94-1	21.34	21.64	23.17	22.05	4.45	ppb
Molybdenum	95-1	1.63	1.70	1.82	1.72	5.49	ppb
Molybdenum	96-1	4.21	4.29	4.71	4.40	6.04	ppb
Molybdenum	97-1	1.65	1.78	1.88	1.77	6.52	ppb
Molybdenum	98-1	1.58	1.72	1.70	1.66	4.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	85.02	84.07	85.72	84.94	0.98	ppb
Phosphorus	31-2	2164.51	2196.52	2193.99	2185.01	0.81	ppb
Potassium	39-2	10817.29	10599.72	10833.06	10750.02	1.21	ppb
Rhodium	103-1				96		%
Rhodium	103-2				100		%
Scandium	45-1				102		%
Scandium	45-2				105		%
Selenium	82-1	1.76	1.56	2.63	1.98	28.86	ppb
Selenium	77-2	13.64	13.49	17.30	14.81	14.56	ppb
Selenium	78-2	2.57	1.33	3.55	2.48	44.66	ppb
Silicon	28-1	1668.73	1685.56	1833.36	1729.21	5.24	ppb
Silver	107-1	0.69	0.73	0.74	0.72	3.74	ppb
Silver	109-1	0.71	0.74	0.79	0.75	4.89	ppb
Sodium	23-2	396.48	395.30	405.52	399.10	1.40	ppb
Strontium	86-1	106.18	109.35	115.67	110.40	4.37	ppb
Strontium	88-1	111.16	117.49	121.22	116.62	4.36	ppb
Sulfur	34-1	-2257.12	-2274.76	-1857.66	-2129.84		ppb
Terbium	159-1				102		%
Terbium	159-2				104		%
Thallium	203-1	0.37	0.37	0.41	0.39	6.31	ppb
Thallium	205-1	0.35	0.36	0.41	0.38	7.81	ppb
Tin	118-1	1.81	1.85	2.01	1.89	5.78	ppb
Titanium	47-1	942.71	957.48	1042.48	980.89	5.49	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-03	Instrumnet Name :	P7
Client Sample ID :	MYE452	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:44:12	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.03	1.02	1.10	1.05	3.89	ppb
Vanadium	51-2	151.06	151.73	152.32	151.70	0.42	ppb
Yttrium	89-1				104		%
Yttrium	89-2				109		%
Zinc	66-2	243.62	247.54	248.41	246.52	1.03	ppb
Zirconium	90-1	12.20	12.72	13.33	12.75	4.44	ppb
Zirconium	91-1	12.24	12.71	13.35	12.77	4.34	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-07	Instrumnet Name :	P7
Client Sample ID :	MYE454	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:47:21	DataFile Name :	063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	35759.09	35713.17	35660.11	35710.79	0.14	ppb
Antimony	121-1	2.02	2.11	2.03	2.05	2.27	ppb
Arsenic	75-2	71.44	73.01	69.76	71.41	2.27	ppb
Barium	135-1	336.61	353.26	360.85	350.24	3.54	ppb
Barium	137-1	339.38	353.33	354.63	349.11	2.42	ppb
Beryllium	9-1	1.21	1.10	1.34	1.21	9.70	ppb
Bismuth	209-1				108		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.09	2.01	2.82	2.31	19.25	ppb
Cadmium	106-1	2.39	1.08	1.25	1.57	45.43	ppb
Cadmium	111-1	1.50	1.45	1.49	1.48	1.85	ppb
Calcium	43-1	13613.58	13606.76	13687.58	13635.97	0.33	ppb
Calcium	44-1	13060.05	13273.85	13332.65	13222.18	1.08	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	86.09	86.14	85.18	85.80	0.63	ppb
Cobalt	59-2	38.46	38.49	38.65	38.53	0.27	ppb
Copper	63-2	221.46	220.88	220.24	220.86	0.27	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				103		%
Indium	115-1				99		%
Indium	115-2				100		%
Iron	56-2	77819.27	78350.26	77900.13	78023.22	0.37	ppb
Iron	57-2	76590.19	77475.11	76976.01	77013.77	0.58	ppb
Iron	54-2	78007.34	77498.24	77508.96	77671.51	0.37	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-07	Instrumnet Name :	P7
Client Sample ID :	MYE454	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:47:21	DataFile Name :	063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	47.36	47.69	48.85	47.97	1.63	ppb
Lead	207-1	47.02	46.25	47.00	46.75	0.94	ppb
Lead	208-1	46.58	46.29	47.01	46.63	0.77	ppb
Lithium	6-1				96		%
Magnesium	24-2	16302.44	16038.24	16293.60	16211.42	0.93	ppb
Manganese	55-2	1872.42	1891.46	1878.02	1880.63	0.52	ppb
Molybdenum	94-1	15.48	15.64	15.37	15.50	0.88	ppb
Molybdenum	95-1	2.10	2.13	2.06	2.10	1.64	ppb
Molybdenum	96-1	4.00	3.82	4.04	3.95	2.97	ppb
Molybdenum	97-1	2.02	2.18	2.12	2.11	3.90	ppb
Molybdenum	98-1	2.02	1.95	2.04	2.01	2.22	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	67.35	68.39	68.02	67.92	0.78	ppb
Phosphorus	31-2	3046.37	3062.09	3060.61	3056.36	0.28	ppb
Potassium	39-2	12956.74	13139.88	13101.69	13066.10	0.74	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	1.23	1.78	1.07	1.36	27.42	ppb
Selenium	77-2	17.15	12.07	12.89	14.04	19.45	ppb
Selenium	78-2	1.66	3.30	1.87	2.27	39.25	ppb
Silicon	28-1	1381.35	1389.27	1400.24	1390.29	0.68	ppb
Silver	107-1	0.55	0.55	0.55	0.55	0.43	ppb
Silver	109-1	0.52	0.53	0.58	0.54	5.82	ppb
Sodium	23-2	354.00	352.45	350.57	352.34	0.49	ppb
Strontium	86-1	92.37	92.51	94.52	93.13	1.29	ppb
Strontium	88-1	94.99	95.53	97.87	96.13	1.59	ppb
Sulfur	34-1	-1746.10	-1972.03	-1959.92	-1892.68		ppb
Terbium	159-1				103		%
Terbium	159-2				101		%
Thallium	203-1	0.30	0.33	0.31	0.31	3.32	ppb
Thallium	205-1	0.28	0.30	0.29	0.29	2.35	ppb
Tin	118-1	1.96	1.99	2.11	2.02	3.95	ppb
Titanium	47-1	943.52	930.41	935.75	936.56	0.70	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-07	Instrumnet Name :	P7
Client Sample ID :	MYE454	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:47:21	DataFile Name :	063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.05	1.04	1.04	1.05	0.50	ppb
Vanadium	51-2	144.80	144.55	144.26	144.54	0.19	ppb
Yttrium	89-1				104		%
Yttrium	89-2				106		%
Zinc	66-2	264.37	265.97	261.18	263.84	0.92	ppb
Zirconium	90-1	8.21	8.46	8.54	8.40	2.09	ppb
Zirconium	91-1	8.42	8.41	8.56	8.46	1.02	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-08	Instrumnet Name :	P7
Client Sample ID :	MYE455	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:50:33	DataFile Name :	064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	33760.57	33828.94	33762.22	33783.91	0.12	ppb
Antimony	121-1	1.68	1.76	1.81	1.75	3.78	ppb
Arsenic	75-2	68.00	65.33	66.97	66.77	2.02	ppb
Barium	135-1	357.71	370.78	366.67	365.05	1.83	ppb
Barium	137-1	353.97	365.84	366.67	362.16	1.96	ppb
Beryllium	9-1	1.28	1.22	1.26	1.26	2.31	ppb
Bismuth	209-1				106		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.60	1.37	2.35	1.77	28.72	ppb
Cadmium	106-1	1.18	1.05	-0.15	0.69	106.12	ppb
Cadmium	111-1	1.36	1.49	1.39	1.41	4.89	ppb
Calcium	43-1	25162.59	25272.93	25564.48	25333.34	0.82	ppb
Calcium	44-1	24339.90	24695.79	24486.54	24507.41	0.73	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	77.81	77.64	78.79	78.08	0.79	ppb
Cobalt	59-2	36.42	35.90	36.15	36.16	0.72	ppb
Copper	63-2	203.79	203.38	204.93	204.04	0.39	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				103		%
Indium	115-1				99		%
Indium	115-2				100		%
Iron	56-2	71417.23	72210.45	71562.62	71730.10	0.59	ppb
Iron	57-2	71208.21	71224.17	70844.95	71092.44	0.30	ppb
Iron	54-2	71301.45	71075.57	71136.25	71171.09	0.16	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-08	Instrumnet Name :	P7
Client Sample ID :	MYE455	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:50:33	DataFile Name :	064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	47.05	46.73	47.91	47.23	1.28	ppb
Lead	207-1	44.88	46.04	45.96	45.63	1.41	ppb
Lead	208-1	45.64	45.70	46.40	45.91	0.91	ppb
Lithium	6-1				95		%
Magnesium	24-2	17830.64	17733.09	17923.09	17828.94	0.53	ppb
Manganese	55-2	1756.99	1748.17	1784.92	1763.36	1.09	ppb
Molybdenum	94-1	7.24	7.44	7.20	7.29	1.74	ppb
Molybdenum	95-1	2.13	2.07	2.03	2.08	2.50	ppb
Molybdenum	96-1	2.99	2.93	3.10	3.01	2.98	ppb
Molybdenum	97-1	2.04	2.05	2.08	2.06	0.97	ppb
Molybdenum	98-1	1.95	2.01	2.05	2.00	2.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	69.32	69.46	69.75	69.51	0.31	ppb
Phosphorus	31-2	2989.24	3080.04	3088.74	3052.67	1.81	ppb
Potassium	39-2	13162.64	13128.49	13353.86	13214.99	0.92	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				101		%
Scandium	45-2				102		%
Selenium	82-1	0.60	0.88	0.75	0.74	18.96	ppb
Selenium	77-2	13.77	12.97	11.37	12.70	9.62	ppb
Selenium	78-2	3.65	1.59	2.04	2.43	44.59	ppb
Silicon	28-1	1535.13	1524.17	1561.66	1540.32	1.25	ppb
Silver	107-1	0.46	0.43	0.45	0.44	3.33	ppb
Silver	109-1	0.43	0.43	0.45	0.44	2.09	ppb
Sodium	23-2	1294.09	1291.10	1295.68	1293.63	0.18	ppb
Strontium	86-1	164.49	165.13	165.44	165.02	0.29	ppb
Strontium	88-1	172.57	171.80	175.56	173.31	1.15	ppb
Sulfur	34-1	-1318.68	-1466.51	-1296.65	-1360.61		ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.27	0.24	0.29	0.27	8.40	ppb
Thallium	205-1	0.28	0.27	0.26	0.27	3.17	ppb
Tin	118-1	1.82	1.89	1.86	1.86	1.75	ppb
Titanium	47-1	915.46	925.22	931.18	923.96	0.86	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-08	Instrumnet Name :	P7
Client Sample ID :	MYE455	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:50:33	DataFile Name :	064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.95	0.96	0.97	0.96	0.73	ppb
Vanadium	51-2	135.66	135.40	135.80	135.62	0.15	ppb
Yttrium	89-1				104		%
Yttrium	89-2				106		%
Zinc	66-2	244.88	245.41	248.22	246.17	0.73	ppb
Zirconium	90-1	3.30	3.38	3.37	3.35	1.31	ppb
Zirconium	91-1	3.44	3.34	3.43	3.41	1.66	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-09	Instrumnet Name :	P7
Client Sample ID :	MYE456	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:53:41	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	34280.51	33869.03	34368.81	34172.78	0.78	ppb
Antimony	121-1	1.66	1.70	1.82	1.73	4.86	ppb
Arsenic	75-2	68.09	65.15	66.13	66.46	2.25	ppb
Barium	135-1	238.43	239.22	241.01	239.55	0.55	ppb
Barium	137-1	233.42	238.39	243.01	238.27	2.01	ppb
Beryllium	9-1	0.88	0.84	0.80	0.84	4.76	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.51	1.63	1.19	1.45	15.56	ppb
Cadmium	106-1	2.53	1.54	1.38	1.82	34.37	ppb
Cadmium	111-1	1.13	0.80	0.93	0.96	17.37	ppb
Calcium	43-1	23410.22	24084.89	24816.12	24103.74	2.92	ppb
Calcium	44-1	23096.94	23059.12	24340.18	23498.75	3.10	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	97.34	96.11	96.12	96.53	0.73	ppb
Cobalt	59-2	45.18	45.09	45.02	45.10	0.17	ppb
Copper	63-2	178.82	178.68	179.21	178.90	0.15	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				105		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	85070.62	84309.50	84690.66	84690.26	0.45	ppb
Iron	57-2	83529.36	82555.55	82502.46	82862.46	0.70	ppb
Iron	54-2	84243.65	84289.69	83684.96	84072.77	0.40	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-09	Instrumnet Name :	P7
Client Sample ID :	MYE456	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:53:41	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	37.36	38.93	39.09	38.46	2.49	ppb
Lead	207-1	35.23	37.14	36.76	36.38	2.78	ppb
Lead	208-1	35.49	37.89	37.36	36.91	3.41	ppb
Lithium	6-1				98		%
Magnesium	24-2	22794.37	22532.83	22864.79	22730.66	0.77	ppb
Manganese	55-2	1625.43	1613.35	1593.59	1610.79	1.00	ppb
Molybdenum	94-1	14.95	15.27	15.58	15.27	2.03	ppb
Molybdenum	95-1	1.26	1.18	1.29	1.25	4.56	ppb
Molybdenum	96-1	3.14	3.15	3.28	3.19	2.47	ppb
Molybdenum	97-1	1.28	1.26	1.30	1.28	1.51	ppb
Molybdenum	98-1	1.21	1.14	1.19	1.18	3.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	88.98	89.98	89.66	89.54	0.57	ppb
Phosphorus	31-2	2048.50	2082.77	2017.05	2049.44	1.60	ppb
Potassium	39-2	9752.93	9627.78	9828.85	9736.52	1.04	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				104		%
Scandium	45-2				103		%
Selenium	82-1	1.44	1.48	0.85	1.25	27.95	ppb
Selenium	77-2	11.37	7.34	9.38	9.36	21.50	ppb
Selenium	78-2	-0.87	1.61	0.80	0.51	247.71	ppb
Silicon	28-1	1203.53	1264.94	1295.24	1254.57	3.72	ppb
Silver	107-1	0.34	0.31	0.34	0.33	5.41	ppb
Silver	109-1	0.30	0.32	0.35	0.32	6.63	ppb
Sodium	23-2	429.55	430.31	432.65	430.83	0.37	ppb
Strontium	86-1	93.66	95.75	97.17	95.53	1.85	ppb
Strontium	88-1	97.67	100.16	100.20	99.34	1.46	ppb
Sulfur	34-1	-1943.30	-1820.95	-1625.36	-1796.54		ppb
Terbium	159-1				102		%
Terbium	159-2				104		%
Thallium	203-1	0.18	0.21	0.21	0.20	8.58	ppb
Thallium	205-1	0.18	0.19	0.19	0.18	2.99	ppb
Tin	118-1	1.32	1.31	1.26	1.30	2.67	ppb
Titanium	47-1	863.68	905.39	924.93	898.00	3.48	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-09	Instrumnet Name :	P7
Client Sample ID :	MYE456	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:53:41	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.65	0.69	0.68	0.67	3.37	ppb
Vanadium	51-2	187.89	188.14	188.03	188.02	0.07	ppb
Yttrium	89-1				103		%
Yttrium	89-2				105		%
Zinc	66-2	172.04	171.10	172.02	171.72	0.31	ppb
Zirconium	90-1	8.65	8.62	8.89	8.72	1.71	ppb
Zirconium	91-1	8.51	8.72	8.86	8.70	1.99	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-10	Instrumnet Name :	P7
Client Sample ID :	MYE457	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:56:52	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	40907.73	40896.92	40734.66	40846.44	0.24	ppb
Antimony	121-1	2.84	2.82	3.02	2.90	3.80	ppb
Arsenic	75-2	125.47	123.22	128.38	125.69	2.06	ppb
Barium	135-1	435.28	451.00	472.93	453.07	4.17	ppb
Barium	137-1	430.33	446.22	471.43	449.33	4.61	ppb
Beryllium	9-1	1.48	1.73	1.68	1.63	8.20	ppb
Bismuth	209-1				107		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.93	3.59	3.06	3.53	12.36	ppb
Cadmium	106-1	3.16	3.49	2.48	3.04	16.91	ppb
Cadmium	111-1	2.36	2.30	2.59	2.42	6.42	ppb
Calcium	43-1	8174.44	8485.42	8980.62	8546.83	4.76	ppb
Calcium	44-1	7850.50	8148.06	8589.10	8195.89	4.53	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	97.58	97.04	96.78	97.13	0.42	ppb
Cobalt	59-2	50.43	51.18	51.02	50.88	0.77	ppb
Copper	63-2	342.00	346.94	343.42	344.12	0.74	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				104		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	96488.88	97610.70	97271.61	97123.73	0.59	ppb
Iron	57-2	94561.95	96268.64	95812.58	95547.72	0.92	ppb
Iron	54-2	95623.47	97300.70	96634.17	96519.45	0.87	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-10	Instrumnet Name :	P7
Client Sample ID :	MYE457	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:56:52	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	77.57	80.21	83.84	80.54	3.91	ppb
Lead	207-1	76.47	77.35	83.46	79.09	4.81	ppb
Lead	208-1	76.53	78.24	83.22	79.33	4.39	ppb
Lithium	6-1				99		%
Magnesium	24-2	18731.78	18836.32	18898.17	18822.09	0.45	ppb
Manganese	55-2	2393.04	2453.28	2407.41	2417.91	1.30	ppb
Molybdenum	94-1	31.59	33.15	35.23	33.32	5.47	ppb
Molybdenum	95-1	1.78	1.95	1.99	1.91	5.78	ppb
Molybdenum	96-1	5.54	5.64	6.17	5.78	5.86	ppb
Molybdenum	97-1	1.80	2.05	1.91	1.92	6.47	ppb
Molybdenum	98-1	1.80	1.90	2.02	1.91	5.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	96.57	97.11	98.50	97.39	1.02	ppb
Phosphorus	31-2	2318.75	2381.14	2343.19	2347.69	1.34	ppb
Potassium	39-2	13096.95	13277.09	13278.33	13217.46	0.79	ppb
Rhodium	103-1				96		%
Rhodium	103-2				99		%
Scandium	45-1				101		%
Scandium	45-2				102		%
Selenium	82-1	1.79	0.30	1.61	1.23	66.14	ppb
Selenium	77-2	13.36	17.05	20.54	16.98	21.16	ppb
Selenium	78-2	2.78	3.12	2.94	2.95	5.79	ppb
Silicon	28-1	1429.91	1467.26	1588.13	1495.10	5.53	ppb
Silver	107-1	0.77	0.76	0.84	0.79	4.98	ppb
Silver	109-1	0.71	0.74	0.80	0.75	5.98	ppb
Sodium	23-2	195.39	195.97	195.31	195.55	0.18	ppb
Strontium	86-1	81.93	85.16	89.87	85.65	4.66	ppb
Strontium	88-1	82.71	85.65	90.27	86.21	4.42	ppb
Sulfur	34-1	-2188.33	-2304.52	-1846.10	-2112.98		ppb
Terbium	159-1				102		%
Terbium	159-2				104		%
Thallium	203-1	0.35	0.38	0.41	0.38	8.81	ppb
Thallium	205-1	0.37	0.38	0.43	0.40	8.01	ppb
Tin	118-1	1.44	1.46	1.60	1.50	5.85	ppb
Titanium	47-1	885.70	914.38	967.57	922.55	4.50	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-10	Instrumnet Name :	P7
Client Sample ID :	MYE457	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:56:52	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.23	1.27	1.35	1.29	4.83	ppb
Vanadium	51-2	174.47	176.00	175.17	175.21	0.44	ppb
Yttrium	89-1				103		%
Yttrium	89-2				106		%
Zinc	66-2	294.39	295.10	295.82	295.10	0.24	ppb
Zirconium	90-1	18.30	19.12	20.39	19.27	5.46	ppb
Zirconium	91-1	18.35	19.09	19.94	19.13	4.14	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-11	Instrumnet Name :	P7
Client Sample ID :	MYE458	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:00:01	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	33431.35	33295.51	33177.85	33301.57	0.38	ppb
Antimony	121-1	2.29	2.27	2.21	2.26	1.83	ppb
Arsenic	75-2	80.78	80.20	78.88	79.95	1.22	ppb
Barium	135-1	384.30	388.57	393.35	388.74	1.17	ppb
Barium	137-1	385.36	387.50	388.61	387.16	0.43	ppb
Beryllium	9-1	1.33	1.18	1.25	1.25	6.05	ppb
Bismuth	209-1				108		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.47	2.06	1.87	2.14	14.36	ppb
Cadmium	106-1	1.08	1.98	1.84	1.64	29.66	ppb
Cadmium	111-1	1.84	1.93	1.89	1.88	2.38	ppb
Calcium	43-1	19863.36	20494.13	20196.94	20184.81	1.56	ppb
Calcium	44-1	19266.28	19520.89	19851.82	19546.33	1.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	81.83	82.39	81.37	81.86	0.62	ppb
Cobalt	59-2	44.65	44.77	44.55	44.65	0.25	ppb
Copper	63-2	261.41	262.14	259.39	260.98	0.55	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				105		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	78378.27	78180.76	77568.79	78042.61	0.54	ppb
Iron	57-2	75588.25	76976.69	75131.76	75898.90	1.27	ppb
Iron	54-2	77624.63	76870.92	76577.85	77024.47	0.70	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-11	Instrumnet Name :	P7
Client Sample ID :	MYE458	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:00:01	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	62.11	62.95	60.95	62.00	1.61	ppb
Lead	207-1	60.11	60.91	59.82	60.28	0.93	ppb
Lead	208-1	60.75	61.43	60.00	60.73	1.18	ppb
Lithium	6-1				102		%
Magnesium	24-2	16896.03	16736.18	16622.95	16751.72	0.82	ppb
Manganese	55-2	2128.97	2132.53	2127.49	2129.67	0.12	ppb
Molybdenum	94-1	14.44	14.38	14.76	14.53	1.39	ppb
Molybdenum	95-1	1.94	1.99	2.07	2.00	3.31	ppb
Molybdenum	96-1	3.61	3.76	3.87	3.75	3.56	ppb
Molybdenum	97-1	1.91	1.93	1.86	1.90	1.94	ppb
Molybdenum	98-1	1.94	2.01	1.92	1.96	2.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	71.28	72.34	71.82	71.81	0.74	ppb
Phosphorus	31-2	4511.60	4549.42	4542.33	4534.45	0.44	ppb
Potassium	39-2	12713.48	12899.03	12641.78	12751.43	1.04	ppb
Rhodium	103-1				97		%
Rhodium	103-2				99		%
Scandium	45-1				103		%
Scandium	45-2				101		%
Selenium	82-1	0.66	2.31	2.13	1.70	53.31	ppb
Selenium	77-2	17.33	13.49	13.95	14.92	14.04	ppb
Selenium	78-2	1.27	1.04	2.79	1.70	56.08	ppb
Silicon	28-1	1570.02	1617.78	1586.40	1591.40	1.53	ppb
Silver	107-1	0.75	0.76	0.76	0.76	0.44	ppb
Silver	109-1	0.72	0.76	0.79	0.75	4.88	ppb
Sodium	23-2	301.14	299.11	299.64	299.97	0.35	ppb
Strontium	86-1	179.19	180.20	183.97	181.12	1.39	ppb
Strontium	88-1	186.46	190.32	191.32	189.37	1.36	ppb
Sulfur	34-1	-1764.67	-1825.86	-1791.57	-1794.03		ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	0.30	0.30	0.30	0.30	1.55	ppb
Thallium	205-1	0.28	0.31	0.31	0.30	5.17	ppb
Tin	118-1	1.66	1.76	1.69	1.70	3.02	ppb
Titanium	47-1	769.78	787.66	778.99	778.81	1.15	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-11	Instrumnet Name :	P7
Client Sample ID :	MYE458	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:00:01	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.07	1.05	1.08	1.07	1.49	ppb
Vanadium	51-2	144.62	145.52	143.27	144.47	0.79	ppb
Yttrium	89-1				103		%
Yttrium	89-2				107		%
Zinc	66-2	297.78	296.86	292.26	295.63	1.00	ppb
Zirconium	90-1	7.73	7.83	7.91	7.82	1.14	ppb
Zirconium	91-1	7.73	7.63	8.06	7.81	2.84	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-12	Instrumnet Name :	P7
Client Sample ID :	MYE459	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:03:12	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	38724.15	38508.37	37949.21	38393.91	1.04	ppb
Antimony	121-1	2.75	2.82	2.91	2.83	2.91	ppb
Arsenic	75-2	112.61	110.37	111.20	111.39	1.01	ppb
Barium	135-1	436.03	443.04	450.61	443.23	1.65	ppb
Barium	137-1	432.33	445.08	448.55	441.99	1.93	ppb
Beryllium	9-1	1.35	1.55	1.50	1.47	7.19	ppb
Bismuth	209-1				109		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.13	3.08	3.54	2.92	24.64	ppb
Cadmium	106-1	1.99	2.26	1.29	1.85	27.18	ppb
Cadmium	111-1	2.48	2.45	2.41	2.45	1.38	ppb
Calcium	43-1	17606.36	18196.58	18440.34	18081.10	2.37	ppb
Calcium	44-1	17033.04	17369.17	17739.26	17380.49	2.03	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	94.87	95.28	93.92	94.69	0.74	ppb
Cobalt	59-2	46.45	46.95	46.64	46.68	0.54	ppb
Copper	63-2	348.51	346.94	347.36	347.61	0.23	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				104		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	92330.94	90365.39	90563.50	91086.61	1.19	ppb
Iron	57-2	91226.89	89266.14	89192.45	89895.16	1.28	ppb
Iron	54-2	91809.90	90816.39	90473.89	91033.39	0.76	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-12	Instrumnet Name :	P7
Client Sample ID :	MYE459	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:03:12	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	73.93	76.68	77.07	75.89	2.26	ppb
Lead	207-1	72.43	75.66	75.17	74.42	2.34	ppb
Lead	208-1	72.56	75.81	75.52	74.63	2.41	ppb
Lithium	6-1				102		%
Magnesium	24-2	17912.61	18262.92	18201.89	18125.80	1.03	ppb
Manganese	55-2	2372.67	2369.37	2369.30	2370.45	0.08	ppb
Molybdenum	94-1	18.58	18.76	19.28	18.87	1.94	ppb
Molybdenum	95-1	1.75	1.81	1.84	1.80	2.68	ppb
Molybdenum	96-1	3.94	4.00	4.09	4.01	1.87	ppb
Molybdenum	97-1	1.70	1.76	1.81	1.76	3.13	ppb
Molybdenum	98-1	1.67	1.73	1.81	1.74	4.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	89.97	88.31	88.25	88.84	1.10	ppb
Phosphorus	31-2	3951.26	3866.17	3968.38	3928.60	1.39	ppb
Potassium	39-2	14478.97	14476.30	14538.91	14498.06	0.24	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	2.39	1.63	1.94	1.99	19.26	ppb
Selenium	77-2	13.15	16.47	19.54	16.39	19.49	ppb
Selenium	78-2	1.57	3.12	1.67	2.12	40.84	ppb
Silicon	28-1	1613.82	1644.56	1712.49	1656.96	3.05	ppb
Silver	107-1	0.75	0.75	0.75	0.75	0.29	ppb
Silver	109-1	0.72	0.75	0.74	0.73	1.81	ppb
Sodium	23-2	511.90	512.61	507.01	510.51	0.60	ppb
Strontium	86-1	116.46	119.86	121.59	119.30	2.19	ppb
Strontium	88-1	120.82	125.11	127.11	124.35	2.59	ppb
Sulfur	34-1	-1741.60	-1750.80	-1700.58	-1730.99		ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	0.38	0.38	0.40	0.39	2.29	ppb
Thallium	205-1	0.36	0.39	0.38	0.38	5.08	ppb
Tin	118-1	1.74	1.72	1.79	1.75	2.17	ppb
Titanium	47-1	835.38	851.28	878.88	855.18	2.57	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-12	Instrumnet Name :	P7
Client Sample ID :	MYE459	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:03:12	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.16	1.18	1.15	1.16	1.40	ppb
Vanadium	51-2	166.22	164.23	165.57	165.34	0.62	ppb
Yttrium	89-1				104		%
Yttrium	89-2				106		%
Zinc	66-2	324.16	327.08	322.85	324.70	0.67	ppb
Zirconium	90-1	10.16	10.56	10.67	10.47	2.55	ppb
Zirconium	91-1	10.37	10.53	10.61	10.51	1.16	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-13	Instrumnet Name :	P7
Client Sample ID :	MYE460	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:06:21	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	32460.22	32519.75	31876.92	32285.63	1.10	ppb
Antimony	121-1	2.01	1.94	2.03	1.99	2.47	ppb
Arsenic	75-2	65.79	68.23	68.11	67.38	2.04	ppb
Barium	135-1	353.96	358.80	363.79	358.85	1.37	ppb
Barium	137-1	350.94	360.53	361.93	357.80	1.67	ppb
Beryllium	9-1	1.35	1.11	1.24	1.23	9.50	ppb
Bismuth	209-1				108		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.52	2.61	2.65	2.59	2.56	ppb
Cadmium	106-1	1.10	1.93	1.94	1.66	28.98	ppb
Cadmium	111-1	1.97	2.06	1.98	2.00	2.43	ppb
Calcium	43-1	21456.95	21132.93	21688.98	21426.29	1.30	ppb
Calcium	44-1	20471.58	20554.20	20930.32	20652.03	1.18	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	73.54	74.26	73.60	73.80	0.54	ppb
Cobalt	59-2	34.94	35.17	35.03	35.05	0.33	ppb
Copper	63-2	269.31	271.24	268.51	269.69	0.52	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				105		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	67612.98	67652.35	67267.17	67510.83	0.31	ppb
Iron	57-2	66377.75	66568.48	66142.07	66362.77	0.32	ppb
Iron	54-2	67335.24	66832.30	66742.43	66969.99	0.48	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-13	Instrumnet Name :	P7
Client Sample ID :	MYE460	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:06:21	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	56.33	58.72	57.93	57.66	2.11	ppb
Lead	207-1	55.81	56.83	57.97	56.87	1.90	ppb
Lead	208-1	55.78	57.40	57.20	56.79	1.56	ppb
Lithium	6-1				100		%
Magnesium	24-2	15703.13	15513.41	15522.16	15579.57	0.69	ppb
Manganese	55-2	1836.43	1869.33	1813.03	1839.59	1.54	ppb
Molybdenum	94-1	12.66	12.73	12.82	12.74	0.65	ppb
Molybdenum	95-1	1.66	1.55	1.63	1.62	3.66	ppb
Molybdenum	96-1	3.15	3.15	3.29	3.20	2.57	ppb
Molybdenum	97-1	1.60	1.65	1.58	1.61	2.19	ppb
Molybdenum	98-1	1.57	1.58	1.60	1.58	0.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	65.88	66.29	66.21	66.13	0.32	ppb
Phosphorus	31-2	3876.46	3879.49	3928.25	3894.74	0.75	ppb
Potassium	39-2	12161.41	12335.30	12403.76	12300.16	1.02	ppb
Rhodium	103-1				97		%
Rhodium	103-2				99		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	82-1	1.45	1.04	1.66	1.38	22.92	ppb
Selenium	77-2	11.18	19.07	10.76	13.67	34.24	ppb
Selenium	78-2	2.02	0.55	1.95	1.51	54.80	ppb
Silicon	28-1	1693.64	1686.45	1756.68	1712.25	2.26	ppb
Silver	107-1	0.68	0.70	0.70	0.69	1.17	ppb
Silver	109-1	0.68	0.68	0.70	0.69	1.51	ppb
Sodium	23-2	510.60	509.79	508.83	509.74	0.17	ppb
Strontium	86-1	158.53	160.20	161.90	160.21	1.05	ppb
Strontium	88-1	169.15	167.55	165.47	167.39	1.10	ppb
Sulfur	34-1	-1282.54	-1436.26	-1335.02	-1351.27		ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.27	0.33	0.29	0.30	10.17	ppb
Thallium	205-1	0.28	0.32	0.30	0.30	6.19	ppb
Tin	118-1	1.90	2.01	2.04	1.98	3.75	ppb
Titanium	47-1	821.49	812.35	829.98	821.27	1.07	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-13	Instrumnet Name :	P7
Client Sample ID :	MYE460	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:06:21	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.99	1.03	0.99	1.00	2.02	ppb
Vanadium	51-2	119.32	119.43	119.32	119.36	0.05	ppb
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-2	280.31	283.99	282.02	282.11	0.65	ppb
Zirconium	90-1	6.91	6.93	7.10	6.98	1.54	ppb
Zirconium	91-1	6.84	7.18	7.40	7.14	3.96	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-14	Instrumnet Name :	P7
Client Sample ID :	MYE461	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:09:33	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	29708.75	29537.03	29333.64	29526.47	0.64	ppb
Antimony	121-1	2.83	2.82	2.66	2.77	3.39	ppb
Arsenic	75-2	78.50	78.60	77.13	78.08	1.06	ppb
Barium	135-1	312.51	310.51	300.29	307.77	2.13	ppb
Barium	137-1	300.09	305.75	305.09	303.64	1.02	ppb
Beryllium	9-1	1.08	0.95	1.25	1.09	13.67	ppb
Bismuth	209-1				106		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.05	1.93	2.67	2.22	18.08	ppb
Cadmium	106-1	1.45	1.13	0.88	1.16	24.74	ppb
Cadmium	111-1	1.57	1.59	1.50	1.55	3.23	ppb
Calcium	43-1	9587.90	10344.33	10535.88	10156.04	4.94	ppb
Calcium	44-1	9620.95	9866.21	10106.55	9864.57	2.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	72.03	72.08	72.00	72.03	0.06	ppb
Cobalt	59-2	34.54	34.43	34.51	34.49	0.16	ppb
Copper	63-2	211.12	210.21	211.29	210.87	0.28	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				104		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	73016.80	72164.49	72412.28	72531.19	0.60	ppb
Iron	57-2	70957.20	72043.79	71370.96	71457.32	0.77	ppb
Iron	54-2	72571.59	71803.24	71672.73	72015.85	0.67	ppb
Krypton	83-1						cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-14	Instrumnet Name :	P7
Client Sample ID :	MYE461	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:09:33	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	53.12	53.99	55.20	54.10	1.93	ppb
Lead	207-1	49.90	53.42	56.61	53.31	6.30	ppb
Lead	208-1	50.53	52.93	54.59	52.68	3.88	ppb
Lithium	6-1				99		%
Magnesium	24-2	14231.59	14133.36	13994.34	14119.77	0.84	ppb
Manganese	55-2	1773.08	1741.01	1749.92	1754.67	0.94	ppb
Molybdenum	94-1	14.51	15.10	15.34	14.98	2.86	ppb
Molybdenum	95-1	1.73	1.80	1.77	1.77	2.17	ppb
Molybdenum	96-1	3.57	3.55	3.60	3.57	0.78	ppb
Molybdenum	97-1	1.68	1.78	1.71	1.72	3.18	ppb
Molybdenum	98-1	1.72	1.71	1.73	1.72	0.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	63.73	62.98	62.87	63.20	0.74	ppb
Phosphorus	31-2	3204.45	3182.05	3158.33	3181.61	0.72	ppb
Potassium	39-2	9657.64	9724.39	9829.36	9737.13	0.89	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				101		%
Scandium	45-2				99		%
Selenium	82-1	1.59	1.35	1.64	1.53	10.31	ppb
Selenium	77-2	12.27	14.00	8.23	11.50	25.74	ppb
Selenium	78-2	3.12	1.85	2.68	2.55	25.40	ppb
Silicon	28-1	1280.89	1388.35	1374.88	1348.04	4.34	ppb
Silver	107-1	0.60	0.63	0.59	0.61	2.86	ppb
Silver	109-1	0.58	0.60	0.61	0.60	2.34	ppb
Sodium	23-2	199.78	197.52	196.97	198.09	0.75	ppb
Strontium	86-1	89.11	93.07	94.66	92.28	3.10	ppb
Strontium	88-1	89.71	91.91	93.00	91.54	1.83	ppb
Sulfur	34-1	-2140.49	-1839.98	-1833.41	-1937.96		ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.22	0.25	0.28	0.25	11.79	ppb
Thallium	205-1	0.25	0.27	0.27	0.26	5.78	ppb
Tin	118-1	1.59	1.66	1.62	1.62	2.03	ppb
Titanium	47-1	683.55	749.08	749.66	727.43	5.22	ppb

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-14	Instrumnet Name :	P7
Client Sample ID :	MYE461	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:09:33	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.85	0.90	0.96	0.90	5.93	ppb
Vanadium	51-2	128.96	128.83	128.89	128.89	0.05	ppb
Yttrium	89-1				100		%
Yttrium	89-2				103		%
Zinc	66-2	249.85	249.54	247.23	248.87	0.58	ppb
Zirconium	90-1	8.37	8.53	8.54	8.48	1.14	ppb
Zirconium	91-1	7.90	8.74	8.72	8.45	5.65	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-15	Instrumnet Name :	P7
Client Sample ID :	MYE462	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:12:43	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46341.80	47227.86	47421.49	46997.05	1.22	ppb
Antimony	121-1	3.23	3.65	3.28	3.39	6.72	ppb
Arsenic	75-2	85.74	87.79	86.62	86.72	1.19	ppb
Barium	135-1	359.39	411.25	374.07	381.57	7.01	ppb
Barium	137-1	357.68	412.02	371.12	380.27	7.44	ppb
Beryllium	9-1	1.63	1.68	1.57	1.62	3.40	ppb
Bismuth	209-1				104		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.11	2.84	2.09	2.35	18.28	ppb
Cadmium	106-1	2.62	2.12	2.16	2.30	12.00	ppb
Cadmium	111-1	0.99	1.04	0.90	0.98	7.55	ppb
Calcium	43-1	29861.44	33104.32	30660.09	31208.62	5.41	ppb
Calcium	44-1	28829.46	31880.78	29277.18	29995.81	5.49	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	90.03	90.10	91.01	90.38	0.60	ppb
Cobalt	59-2	50.85	51.22	50.74	50.94	0.50	ppb
Copper	63-2	185.96	185.44	187.29	186.23	0.51	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				104		%
Indium	115-1				95		%
Indium	115-2				99		%
Iron	56-2	98556.04	97278.35	99685.73	98506.71	1.22	ppb
Iron	57-2	95935.74	97465.80	97289.26	96896.93	0.86	ppb
Iron	54-2	97351.87	98229.61	98470.58	98017.35	0.60	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-15	Instrumnet Name :	P7
Client Sample ID :	MYE462	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:12:43	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	46.14	52.78	48.18	49.03	6.94	ppb
Lead	207-1	45.41	51.99	47.17	48.19	7.08	ppb
Lead	208-1	45.58	51.87	47.21	48.22	6.77	ppb
Lithium	6-1				98		%
Magnesium	24-2	25598.99	26117.81	26446.96	26054.59	1.64	ppb
Manganese	55-2	1949.45	1961.00	1976.63	1962.36	0.70	ppb
Molybdenum	94-1	41.07	45.31	42.08	42.82	5.18	ppb
Molybdenum	95-1	2.00	2.16	2.07	2.07	3.81	ppb
Molybdenum	96-1	6.62	7.19	6.89	6.90	4.09	ppb
Molybdenum	97-1	1.87	2.20	2.07	2.05	8.19	ppb
Molybdenum	98-1	1.86	2.13	1.93	1.97	7.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	123.19	123.27	125.10	123.85	0.88	ppb
Phosphorus	31-2	3470.63	3521.40	3562.45	3518.16	1.31	ppb
Potassium	39-2	8083.19	8058.73	8124.02	8088.65	0.41	ppb
Rhodium	103-1				94		%
Rhodium	103-2				98		%
Scandium	45-1				99		%
Scandium	45-2				102		%
Selenium	82-1	1.07	0.39	1.45	0.97	55.62	ppb
Selenium	77-2	14.42	16.71	13.60	14.91	10.82	ppb
Selenium	78-2	3.02	1.65	1.99	2.22	32.27	ppb
Silicon	28-1	1526.56	1684.60	1567.15	1592.77	5.15	ppb
Silver	107-1	0.33	0.40	0.36	0.36	9.06	ppb
Silver	109-1	0.33	0.37	0.32	0.34	7.68	ppb
Sodium	23-2	1891.88	1896.06	1919.02	1902.32	0.77	ppb
Strontium	86-1	500.58	556.69	515.23	524.17	5.55	ppb
Strontium	88-1	524.43	584.46	542.09	550.33	5.61	ppb
Sulfur	34-1	-1973.04	-1415.43	-1907.84	-1765.44		ppb
Terbium	159-1				100		%
Terbium	159-2				102		%
Thallium	203-1	0.25	0.27	0.27	0.26	5.00	ppb
Thallium	205-1	0.25	0.29	0.27	0.27	8.02	ppb
Tin	118-1	1.59	1.81	1.69	1.70	6.37	ppb
Titanium	47-1	1844.74	2016.88	1857.65	1906.42	5.03	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-15	Instrumnet Name :	P7
Client Sample ID :	MYE462	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:12:43	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.16	1.34	1.19	1.23	7.74	ppb
Vanadium	51-2	194.01	194.99	198.56	195.86	1.22	ppb
Yttrium	89-1				102		%
Yttrium	89-2				106		%
Zinc	66-2	210.96	211.37	213.59	211.98	0.67	ppb
Zirconium	90-1	23.87	26.40	24.59	24.95	5.24	ppb
Zirconium	91-1	24.09	26.47	24.89	25.15	4.81	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-16	Instrumnet Name :	P7
Client Sample ID :	MYE463	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:15:53	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	42946.12	43098.15	43478.89	43174.38	0.64	ppb
Antimony	121-1	1.65	1.62	1.58	1.62	2.20	ppb
Arsenic	75-2	73.66	75.87	74.87	74.80	1.48	ppb
Barium	135-1	217.61	217.79	215.59	216.99	0.56	ppb
Barium	137-1	215.48	220.15	221.22	218.95	1.40	ppb
Beryllium	9-1	0.72	0.92	0.84	0.83	12.27	ppb
Bismuth	209-1				106		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.20	2.34	1.29	1.61	39.37	ppb
Cadmium	106-1	2.10	1.25	0.46	1.27	64.70	ppb
Cadmium	111-1	0.84	0.64	0.88	0.79	16.03	ppb
Calcium	43-1	18371.92	18207.33	17880.12	18153.13	1.38	ppb
Calcium	44-1	17270.36	17238.40	17345.23	17284.66	0.32	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	135.65	135.41	136.74	135.93	0.52	ppb
Cobalt	59-2	56.52	55.22	56.76	56.17	1.47	ppb
Copper	63-2	230.30	232.14	235.28	232.58	1.08	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				104		%
Indium	115-1				98		%
Indium	115-2				98		%
Iron	56-2	91905.81	91675.21	93215.85	92265.62	0.90	ppb
Iron	57-2	90158.61	89385.41	90674.37	90072.80	0.72	ppb
Iron	54-2	92016.96	91114.45	91552.69	91561.37	0.49	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-16	Instrumnet Name :	P7
Client Sample ID :	MYE463	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:15:53	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	28.31	29.12	29.00	28.81	1.51	ppb
Lead	207-1	27.26	28.43	28.87	28.19	2.96	ppb
Lead	208-1	28.10	29.17	28.48	28.58	1.90	ppb
Lithium	6-1				99		%
Magnesium	24-2	28568.56	28704.68	29113.49	28795.58	0.98	ppb
Manganese	55-2	1811.71	1802.50	1833.00	1815.74	0.86	ppb
Molybdenum	94-1	14.18	14.30	14.17	14.22	0.52	ppb
Molybdenum	95-1	0.78	0.84	0.82	0.81	3.40	ppb
Molybdenum	96-1	2.70	2.81	2.88	2.80	3.27	ppb
Molybdenum	97-1	0.86	0.86	0.88	0.87	1.07	ppb
Molybdenum	98-1	0.78	0.83	0.82	0.81	3.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	116.41	116.96	117.73	117.03	0.57	ppb
Phosphorus	31-2	1647.56	1667.85	1656.58	1657.33	0.61	ppb
Potassium	39-2	7881.82	7812.77	7983.84	7892.81	1.09	ppb
Rhodium	103-1				95		%
Rhodium	103-2				98		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	82-1	0.25	1.56	1.06	0.96	68.86	ppb
Selenium	77-2	8.15	10.04	7.18	8.46	17.23	ppb
Selenium	78-2	2.53	0.97	2.61	2.04	45.44	ppb
Silicon	28-1	1351.15	1373.25	1318.82	1347.74	2.03	ppb
Silver	107-1	0.34	0.35	0.34	0.35	1.97	ppb
Silver	109-1	0.35	0.33	0.35	0.35	3.15	ppb
Sodium	23-2	464.96	469.66	472.41	469.01	0.80	ppb
Strontium	86-1	69.10	71.48	71.95	70.84	2.16	ppb
Strontium	88-1	71.17	74.28	73.18	72.87	2.17	ppb
Sulfur	34-1	-1852.99	-1845.67	-1933.24	-1877.30		ppb
Terbium	159-1				101		%
Terbium	159-2				102		%
Thallium	203-1	0.16	0.16	0.15	0.15	4.13	ppb
Thallium	205-1	0.15	0.16	0.16	0.15	4.63	ppb
Tin	118-1	1.24	1.24	1.20	1.23	2.04	ppb
Titanium	47-1	879.06	897.26	883.79	886.70	1.06	ppb

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-16	Instrumnet Name :	P7
Client Sample ID :	MYE463	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:15:53	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.54	0.54	0.56	0.55	2.23	ppb
Vanadium	51-2	194.96	196.36	198.67	196.66	0.95	ppb
Yttrium	89-1				101		%
Yttrium	89-2				103		%
Zinc	66-2	168.08	168.34	168.72	168.38	0.19	ppb
Zirconium	90-1	7.86	8.19	8.10	8.05	2.13	ppb
Zirconium	91-1	7.86	8.16	8.36	8.12	3.09	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-17	Instrumnet Name :	P7
Client Sample ID :	MYE464	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:19:05	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	39718.45	39209.96	39915.67	39614.69	0.92	ppb
Antimony	121-1	2.43	2.70	2.49	2.54	5.62	ppb
Arsenic	75-2	114.80	115.90	113.66	114.79	0.97	ppb
Barium	135-1	434.46	485.51	442.65	454.20	6.04	ppb
Barium	137-1	429.94	479.11	443.51	450.85	5.63	ppb
Beryllium	9-1	1.43	1.46	1.55	1.48	4.02	ppb
Bismuth	209-1				105		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.46	2.14	1.90	2.16	13.01	ppb
Cadmium	106-1	2.37	1.69	0.74	1.60	51.20	ppb
Cadmium	111-1	1.45	1.70	1.44	1.53	9.49	ppb
Calcium	43-1	23142.72	25387.09	24109.44	24213.08	4.65	ppb
Calcium	44-1	22081.11	24521.41	22903.02	23168.51	5.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	93.04	92.15	92.51	92.56	0.49	ppb
Cobalt	59-2	40.99	40.54	40.56	40.70	0.62	ppb
Copper	63-2	228.50	226.64	226.34	227.16	0.52	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				104		%
Indium	115-1				97		%
Indium	115-2				97		%
Iron	56-2	90670.68	89679.84	90434.80	90261.78	0.57	ppb
Iron	57-2	89043.89	88822.94	88698.46	88855.10	0.20	ppb
Iron	54-2	90131.80	89567.15	90043.38	89914.11	0.34	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-17	Instrumnet Name :	P7
Client Sample ID :	MYE464	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:19:05	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	51.83	57.97	54.17	54.66	5.68	ppb
Lead	207-1	50.10	56.67	52.61	53.13	6.24	ppb
Lead	208-1	50.44	56.49	52.93	53.29	5.70	ppb
Lithium	6-1				99		%
Magnesium	24-2	20212.44	19968.41	20107.36	20096.07	0.61	ppb
Manganese	55-2	2470.84	2421.66	2466.03	2452.84	1.11	ppb
Molybdenum	94-1	18.04	20.21	18.69	18.98	5.86	ppb
Molybdenum	95-1	2.23	2.48	2.22	2.31	6.35	ppb
Molybdenum	96-1	4.32	4.82	4.52	4.56	5.55	ppb
Molybdenum	97-1	2.34	2.51	2.22	2.35	6.08	ppb
Molybdenum	98-1	2.12	2.40	2.21	2.25	6.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	84.16	83.46	84.28	83.97	0.52	ppb
Phosphorus	31-2	2762.47	2699.41	2746.21	2736.03	1.20	ppb
Potassium	39-2	11945.07	11620.55	11732.70	11766.11	1.40	ppb
Rhodium	103-1				95		%
Rhodium	103-2				97		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	1.10	1.83	1.42	1.45	25.22	ppb
Selenium	77-2	12.21	13.84	16.08	14.04	13.81	ppb
Selenium	78-2	1.68	1.48	2.75	1.97	34.76	ppb
Silicon	28-1	1544.80	1703.55	1626.51	1624.96	4.89	ppb
Silver	107-1	0.64	0.74	0.68	0.69	7.00	ppb
Silver	109-1	0.67	0.75	0.65	0.69	7.77	ppb
Sodium	23-2	1495.21	1484.54	1489.26	1489.67	0.36	ppb
Strontium	86-1	157.52	174.46	163.61	165.20	5.19	ppb
Strontium	88-1	167.44	183.05	170.79	173.76	4.73	ppb
Sulfur	34-1	-1216.82	-720.45	-1185.90	-1041.06		ppb
Terbium	159-1				100		%
Terbium	159-2				102		%
Thallium	203-1	0.37	0.36	0.36	0.36	1.88	ppb
Thallium	205-1	0.35	0.38	0.36	0.36	3.84	ppb
Tin	118-1	2.13	2.59	2.26	2.33	10.12	ppb
Titanium	47-1	849.06	932.72	883.60	888.46	4.73	ppb

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-17	Instrumnet Name :	P7
Client Sample ID :	MYE464	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:19:05	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.88	0.95	0.94	0.92	4.04	ppb
Vanadium	51-2	168.03	166.50	168.99	167.84	0.75	ppb
Yttrium	89-1				101		%
Yttrium	89-2				105		%
Zinc	66-2	257.79	254.69	254.45	255.64	0.73	ppb
Zirconium	90-1	9.87	11.06	10.11	10.35	6.11	ppb
Zirconium	91-1	10.07	10.77	10.37	10.40	3.39	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-18	Instrumnet Name :	P7
Client Sample ID :	MYE465	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:22:16	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46635.51	46286.99	46290.20	46404.23	0.43	ppb
Antimony	121-1	1.45	1.53	1.57	1.52	4.04	ppb
Arsenic	75-2	95.24	94.89	94.68	94.94	0.30	ppb
Barium	135-1	477.10	497.93	491.37	488.80	2.18	ppb
Barium	137-1	474.49	495.34	490.55	486.79	2.24	ppb
Beryllium	9-1	1.63	1.74	1.52	1.63	6.92	ppb
Bismuth	209-1				107		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.41	2.39	2.99	2.60	13.12	ppb
Cadmium	106-1	3.00	2.46	1.35	2.27	37.07	ppb
Cadmium	111-1	1.54	1.63	1.37	1.52	8.68	ppb
Calcium	43-1	27108.11	27810.11	28109.96	27676.06	1.86	ppb
Calcium	44-1	25949.39	27050.58	26861.55	26620.51	2.21	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	95.68	96.70	96.09	96.16	0.53	ppb
Cobalt	59-2	50.28	50.36	49.99	50.21	0.39	ppb
Copper	63-2	253.76	250.92	250.45	251.71	0.71	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				104		%
Indium	115-1				98		%
Indium	115-2				97		%
Iron	56-2	92314.82	92266.75	90796.97	91792.85	0.94	ppb
Iron	57-2	91825.44	90099.01	89933.68	90619.38	1.16	ppb
Iron	54-2	91174.56	91323.27	90635.97	91044.60	0.40	ppb
Krypton	83-1						cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-18	Instrumnet Name :	P7
Client Sample ID :	MYE465	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:22:16	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	53.58	54.04	54.66	54.09	0.99	ppb
Lead	207-1	51.72	52.69	53.46	52.62	1.65	ppb
Lead	208-1	52.25	53.10	53.46	52.94	1.18	ppb
Lithium	6-1				100		%
Magnesium	24-2	22671.02	22684.93	22464.55	22606.83	0.55	ppb
Manganese	55-2	2575.21	2560.42	2538.46	2558.03	0.72	ppb
Molybdenum	94-1	25.27	25.68	25.71	25.56	0.96	ppb
Molybdenum	95-1	1.42	1.51	1.49	1.47	3.34	ppb
Molybdenum	96-1	4.43	4.61	4.60	4.54	2.22	ppb
Molybdenum	97-1	1.46	1.55	1.48	1.50	2.99	ppb
Molybdenum	98-1	1.41	1.52	1.47	1.47	3.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	109.35	108.92	108.73	109.00	0.29	ppb
Phosphorus	31-2	3887.73	3934.10	3971.87	3931.23	1.07	ppb
Potassium	39-2	11262.07	11192.82	11103.62	11186.17	0.71	ppb
Rhodium	103-1				96		%
Rhodium	103-2				97		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	1.61	1.07	0.95	1.21	28.90	ppb
Selenium	77-2	16.85	17.66	15.53	16.68	6.44	ppb
Selenium	78-2	4.73	2.27	3.43	3.48	35.48	ppb
Silicon	28-1	1897.70	1947.16	1990.32	1945.06	2.38	ppb
Silver	107-1	0.54	0.61	0.61	0.59	6.75	ppb
Silver	109-1	0.59	0.59	0.60	0.59	0.50	ppb
Sodium	23-2	444.39	440.17	442.92	442.49	0.48	ppb
Strontium	86-1	327.92	335.01	331.24	331.39	1.07	ppb
Strontium	88-1	348.52	352.79	348.06	349.79	0.75	ppb
Sulfur	34-1	-1768.04	-1734.77	-1792.10	-1764.97		ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	0.30	0.31	0.31	0.30	1.75	ppb
Thallium	205-1	0.31	0.30	0.30	0.30	2.02	ppb
Tin	118-1	1.84	2.05	1.98	1.96	5.54	ppb
Titanium	47-1	1103.48	1137.39	1158.89	1133.25	2.46	ppb

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-18	Instrumnet Name :	P7
Client Sample ID :	MYE465	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:22:16	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.97	1.01	0.99	0.99	1.71	ppb
Vanadium	51-2	171.91	171.44	170.36	171.24	0.47	ppb
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-2	241.22	240.11	237.73	239.68	0.74	ppb
Zirconium	90-1	14.54	14.90	14.79	14.74	1.24	ppb
Zirconium	91-1	14.34	15.08	15.07	14.83	2.84	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-19	Instrumnet Name :	P7
Client Sample ID :	MYE466	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:25:25	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	36111.82	36343.16	36631.93	36362.30	0.72	ppb
Antimony	121-1	2.14	2.21	2.18	2.18	1.58	ppb
Arsenic	75-2	93.62	93.13	93.47	93.41	0.27	ppb
Barium	135-1	371.18	380.14	384.99	378.77	1.85	ppb
Barium	137-1	370.82	379.25	387.52	379.20	2.20	ppb
Beryllium	9-1	1.37	1.42	1.50	1.43	4.57	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.69	2.79	2.64	2.71	2.85	ppb
Cadmium	106-1	2.19	2.02	1.46	1.89	20.00	ppb
Cadmium	111-1	2.17	2.14	2.09	2.13	1.85	ppb
Calcium	43-1	15418.11	15616.67	15928.05	15654.27	1.64	ppb
Calcium	44-1	14913.87	15268.33	15244.94	15142.38	1.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	84.01	85.46	84.75	84.74	0.85	ppb
Cobalt	59-2	39.81	40.63	40.24	40.23	1.02	ppb
Copper	63-2	309.69	314.78	314.46	312.98	0.91	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				103		%
Indium	115-1				98		%
Indium	115-2				98		%
Iron	56-2	83664.82	83928.84	84282.51	83958.72	0.37	ppb
Iron	57-2	81832.90	82601.96	82240.97	82225.28	0.47	ppb
Iron	54-2	83290.88	83797.50	83815.77	83634.72	0.36	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-19	Instrumnet Name :	P7
Client Sample ID :	MYE466	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:25:25	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	64.86	66.81	65.66	65.78	1.49	ppb
Lead	207-1	62.81	66.08	64.11	64.34	2.56	ppb
Lead	208-1	63.37	65.80	64.28	64.48	1.90	ppb
Lithium	6-1				100		%
Magnesium	24-2	17366.63	17335.15	17337.82	17346.53	0.10	ppb
Manganese	55-2	1955.28	1955.57	1963.07	1957.97	0.23	ppb
Molybdenum	94-1	16.16	16.68	16.61	16.48	1.71	ppb
Molybdenum	95-1	1.58	1.72	1.59	1.63	4.75	ppb
Molybdenum	96-1	3.59	3.53	3.76	3.62	3.23	ppb
Molybdenum	97-1	1.53	1.62	1.64	1.60	3.86	ppb
Molybdenum	98-1	1.57	1.57	1.55	1.56	0.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	78.68	80.00	79.63	79.44	0.86	ppb
Phosphorus	31-2	3047.57	3109.44	2990.53	3049.18	1.95	ppb
Potassium	39-2	11622.80	11715.61	11705.65	11681.36	0.44	ppb
Rhodium	103-1				96		%
Rhodium	103-2				98		%
Scandium	45-1				100		%
Scandium	45-2				99		%
Selenium	82-1	1.75	2.09	1.91	1.92	8.95	ppb
Selenium	77-2	12.20	17.01	20.03	16.42	24.06	ppb
Selenium	78-2	3.46	4.67	1.88	3.34	42.04	ppb
Silicon	28-1	1840.58	1880.30	1918.28	1879.72	2.07	ppb
Silver	107-1	0.69	0.73	0.71	0.71	2.89	ppb
Silver	109-1	0.68	0.72	0.72	0.71	3.30	ppb
Sodium	23-2	370.82	378.39	383.56	377.59	1.70	ppb
Strontium	86-1	107.98	110.05	110.39	109.47	1.19	ppb
Strontium	88-1	112.84	117.15	116.83	115.61	2.08	ppb
Sulfur	34-1	-1495.24	-1680.89	-1477.33	-1551.16		ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	0.27	0.31	0.29	0.29	8.10	ppb
Thallium	205-1	0.30	0.33	0.29	0.31	5.87	ppb
Tin	118-1	2.07	2.04	2.11	2.07	1.65	ppb
Titanium	47-1	919.70	945.86	959.89	941.82	2.17	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-19	Instrumnet Name :	P7
Client Sample ID :	MYE466	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:25:25	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.02	1.12	1.02	1.05	5.29	ppb
Vanadium	51-2	154.63	154.64	154.70	154.66	0.02	ppb
Yttrium	89-1				102		%
Yttrium	89-2				105		%
Zinc	66-2	283.86	285.94	287.04	285.61	0.57	ppb
Zirconium	90-1	9.03	9.18	9.17	9.13	0.89	ppb
Zirconium	91-1	8.80	9.26	9.34	9.13	3.22	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-20	Instrumnet Name :	P7
Client Sample ID :	MYE467	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:28:35	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	39708.53	38976.11	38878.63	39187.75	1.16	ppb
Antimony	121-1	1.63	1.61	1.69	1.64	2.68	ppb
Arsenic	75-2	90.43	90.05	89.69	90.06	0.41	ppb
Barium	135-1	436.78	446.69	452.17	445.21	1.75	ppb
Barium	137-1	441.03	443.50	451.50	445.34	1.23	ppb
Beryllium	9-1	1.44	1.36	1.41	1.40	2.87	ppb
Bismuth	209-1				106		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.94	1.59	1.72	1.75	10.08	ppb
Cadmium	106-1	0.92	2.30	1.10	1.44	52.39	ppb
Cadmium	111-1	1.03	1.17	1.20	1.13	7.76	ppb
Calcium	43-1	19793.21	20493.24	20622.88	20303.11	2.20	ppb
Calcium	44-1	19006.64	19978.10	19913.40	19632.72	2.77	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	87.09	84.38	85.60	85.69	1.59	ppb
Cobalt	59-2	40.95	40.00	40.18	40.38	1.25	ppb
Copper	63-2	196.26	192.68	192.52	193.82	1.09	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				104		%
Indium	115-1				97		%
Indium	115-2				97		%
Iron	56-2	82233.10	80329.92	80952.02	81171.68	1.20	ppb
Iron	57-2	80464.97	80354.43	79775.73	80198.38	0.46	ppb
Iron	54-2	80816.36	80490.15	79730.52	80345.68	0.69	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-20	Instrumnet Name :	P7
Client Sample ID :	MYE467	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:28:35	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	45.55	46.31	46.40	46.09	1.02	ppb
Lead	207-1	43.46	44.71	44.60	44.26	1.56	ppb
Lead	208-1	44.05	44.92	45.00	44.65	1.17	ppb
Lithium	6-1				97		%
Magnesium	24-2	17786.72	17606.89	17660.65	17684.75	0.52	ppb
Manganese	55-2	2235.06	2243.11	2226.04	2234.74	0.38	ppb
Molybdenum	94-1	21.97	22.71	22.32	22.33	1.66	ppb
Molybdenum	95-1	1.64	1.68	1.66	1.66	1.28	ppb
Molybdenum	96-1	4.16	4.32	4.48	4.32	3.73	ppb
Molybdenum	97-1	1.59	1.62	1.57	1.60	1.56	ppb
Molybdenum	98-1	1.59	1.53	1.63	1.59	3.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	79.26	77.39	77.61	78.09	1.31	ppb
Phosphorus	31-2	2224.43	2278.64	2244.13	2249.07	1.22	ppb
Potassium	39-2	10131.68	9912.65	9947.57	9997.30	1.18	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				100		%
Scandium	45-2				99		%
Selenium	82-1	0.44	0.95	1.71	1.03	62.09	ppb
Selenium	77-2	15.52	11.34	12.32	13.06	16.73	ppb
Selenium	78-2	1.29	-0.25	2.97	1.34	120.71	ppb
Silicon	28-1	1824.44	1862.50	1871.85	1852.93	1.36	ppb
Silver	107-1	0.42	0.45	0.47	0.45	5.93	ppb
Silver	109-1	0.42	0.44	0.46	0.44	4.76	ppb
Sodium	23-2	324.86	316.27	317.26	319.46	1.47	ppb
Strontium	86-1	104.18	107.30	107.19	106.22	1.67	ppb
Strontium	88-1	107.96	110.10	113.38	110.48	2.47	ppb
Sulfur	34-1	-1978.59	-2004.62	-2109.01	-2030.74		ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	0.28	0.30	0.29	0.29	3.58	ppb
Thallium	205-1	0.28	0.29	0.31	0.30	5.02	ppb
Tin	118-1	1.81	1.81	1.77	1.80	1.36	ppb
Titanium	47-1	966.23	988.78	1005.24	986.75	1.98	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-20	Instrumnet Name :	P7
Client Sample ID :	MYE467	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:28:35	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.95	1.01	0.99	0.99	3.08	ppb
Vanadium	51-2	153.36	150.62	150.44	151.47	1.08	ppb
Yttrium	89-1				102		%
Yttrium	89-2				104		%
Zinc	66-2	209.41	207.44	207.09	207.98	0.60	ppb
Zirconium	90-1	12.55	12.78	12.99	12.77	1.73	ppb
Zirconium	91-1	12.52	12.73	13.21	12.82	2.73	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-21	Instrumnet Name :	P7
Client Sample ID :	MYE468	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:31:46	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	42167.18	42318.80	42777.39	42421.12	0.75	ppb
Antimony	121-1	1.44	1.57	1.50	1.50	4.36	ppb
Arsenic	75-2	84.75	83.23	85.78	84.59	1.52	ppb
Barium	135-1	478.41	480.23	484.54	481.06	0.65	ppb
Barium	137-1	465.51	476.19	481.02	474.24	1.67	ppb
Beryllium	9-1	1.53	1.46	1.61	1.53	5.07	ppb
Bismuth	209-1				106		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.79	1.60	1.15	1.52	21.65	ppb
Cadmium	106-1	0.15	0.55	2.17	0.96	111.98	ppb
Cadmium	111-1	0.96	1.07	1.16	1.06	9.49	ppb
Calcium	43-1	14959.96	15087.22	15215.68	15087.62	0.85	ppb
Calcium	44-1	14472.67	14509.28	14816.73	14599.56	1.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	98.63	98.63	98.51	98.59	0.07	ppb
Cobalt	59-2	47.56	47.68	47.83	47.69	0.29	ppb
Copper	63-2	194.58	196.18	196.30	195.69	0.49	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				103		%
Indium	115-1				98		%
Indium	115-2				98		%
Iron	56-2	87756.40	88496.64	88367.25	88206.76	0.45	ppb
Iron	57-2	87555.61	87550.18	86669.85	87258.55	0.58	ppb
Iron	54-2	88230.77	87358.51	87802.48	87797.25	0.50	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-21	Instrumnet Name :	P7
Client Sample ID :	MYE468	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:31:46	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	41.12	41.48	42.20	41.60	1.32	ppb
Lead	207-1	38.53	39.18	40.35	39.35	2.34	ppb
Lead	208-1	39.11	40.13	40.85	40.03	2.18	ppb
Lithium	6-1				96		%
Magnesium	24-2	19409.05	19428.28	19330.05	19389.12	0.27	ppb
Manganese	55-2	2338.85	2341.81	2299.98	2326.88	1.00	ppb
Molybdenum	94-1	11.43	11.76	11.95	11.72	2.26	ppb
Molybdenum	95-1	1.91	1.95	1.97	1.95	1.70	ppb
Molybdenum	96-1	3.41	3.50	3.49	3.47	1.46	ppb
Molybdenum	97-1	1.94	1.80	1.91	1.89	3.80	ppb
Molybdenum	98-1	1.86	1.89	1.84	1.86	1.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	84.04	85.69	86.33	85.35	1.38	ppb
Phosphorus	31-2	2473.84	2486.60	2446.04	2468.83	0.84	ppb
Potassium	39-2	12697.85	12546.39	12681.47	12641.90	0.66	ppb
Rhodium	103-1				96		%
Rhodium	103-2				98		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	1.94	1.16	1.24	1.45	29.74	ppb
Selenium	77-2	15.08	19.61	9.85	14.84	32.90	ppb
Selenium	78-2	0.51	0.44	0.94	0.63	42.88	ppb
Silicon	28-1	1736.94	1733.96	1724.51	1731.80	0.37	ppb
Silver	107-1	0.41	0.41	0.42	0.41	1.73	ppb
Silver	109-1	0.41	0.39	0.41	0.40	3.22	ppb
Sodium	23-2	288.98	292.16	290.04	290.39	0.56	ppb
Strontium	86-1	92.67	95.43	96.23	94.77	1.97	ppb
Strontium	88-1	98.80	99.90	101.52	100.08	1.37	ppb
Sulfur	34-1	-2191.15	-2346.63	-2288.80	-2275.53		ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	0.29	0.29	0.32	0.30	6.56	ppb
Thallium	205-1	0.30	0.31	0.33	0.31	5.12	ppb
Tin	118-1	1.70	1.64	1.64	1.66	2.20	ppb
Titanium	47-1	845.56	866.58	863.68	858.61	1.33	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-21	Instrumnet Name :	P7
Client Sample ID :	MYE468	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:31:46	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.23	1.25	1.27	1.25	1.37	ppb
Vanadium	51-2	160.57	160.59	160.65	160.60	0.03	ppb
Yttrium	89-1				104		%
Yttrium	89-2				106		%
Zinc	66-2	225.50	224.20	221.54	223.75	0.90	ppb
Zirconium	90-1	6.06	6.24	6.18	6.16	1.48	ppb
Zirconium	91-1	5.94	6.14	6.25	6.11	2.59	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-22	Instrumnet Name :	P7
Client Sample ID :	MYE469	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:34:58	DataFile Name :	078SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	57373.72	58140.64	57627.07	57713.81	0.68	ppb
Antimony	121-1	1.49	1.54	1.71	1.58	7.22	ppb
Arsenic	75-2	122.01	117.36	116.16	118.51	2.60	ppb
Barium	135-1	697.93	719.65	770.01	729.19	5.07	ppb
Barium	137-1	758.20	779.71	834.65	790.85	4.99	ppb
Beryllium	9-1	2.19	2.22	2.43	2.28	5.62	ppb
Bismuth	209-1				104		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.08	2.50	2.20	2.26	9.58	ppb
Cadmium	106-1	2.67	1.30	2.74	2.24	36.43	ppb
Cadmium	111-1	1.33	1.36	1.41	1.37	2.91	ppb
Calcium	43-1	25175.91	25732.59	27006.12	25971.54	3.61	ppb
Calcium	44-1	24443.97	24372.76	25837.64	24884.79	3.32	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	113.51	113.37	113.71	113.53	0.15	ppb
Cobalt	59-2	51.57	51.85	51.85	51.75	0.31	ppb
Copper	63-2	249.02	248.08	247.07	248.05	0.39	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				104		%
Indium	115-1				96		%
Indium	115-2				99		%
Iron	56-2	106519.34	106176.32	105787.48	106161.05	0.34	ppb
Iron	57-2	105022.86	104116.38	105520.24	104886.49	0.68	ppb
Iron	54-2	104839.78	105071.12	105755.44	105222.11	0.45	ppb
Krypton	83-1						cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-22	Instrumnet Name :	P7
Client Sample ID :	MYE469	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:34:58	DataFile Name :	078SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	60.81	62.77	64.92	62.84	3.27	ppb
Lead	207-1	59.53	60.26	63.32	61.04	3.29	ppb
Lead	208-1	59.59	60.72	63.44	61.25	3.24	ppb
Lithium	6-1				93		%
Magnesium	24-2	25423.93	25723.74	25574.24	25573.97	0.59	ppb
Manganese	55-2	4057.03	4044.68	4038.27	4046.66	0.24	ppb
Molybdenum	94-1	22.55	22.57	24.71	23.28	5.32	ppb
Molybdenum	95-1	1.90	1.98	2.16	2.02	6.61	ppb
Molybdenum	96-1	4.61	4.58	5.14	4.78	6.54	ppb
Molybdenum	97-1	1.88	2.06	2.03	1.99	4.93	ppb
Molybdenum	98-1	1.88	1.89	2.04	1.93	4.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	98.18	97.32	97.35	97.62	0.50	ppb
Phosphorus	31-2	2647.44	2657.30	2567.71	2624.15	1.87	ppb
Potassium	39-2	13534.88	13495.68	13388.49	13473.02	0.56	ppb
Rhodium	103-1				95		%
Rhodium	103-2				98		%
Scandium	45-1				101		%
Scandium	45-2				103		%
Selenium	82-1	1.59	0.94	1.38	1.30	25.23	ppb
Selenium	77-2	19.02	16.73	15.94	17.23	9.29	ppb
Selenium	78-2	2.08	4.69	0.38	2.38	91.26	ppb
Silicon	28-1	1896.37	1914.25	1992.54	1934.39	2.64	ppb
Silver	107-1	0.63	0.67	0.70	0.67	5.01	ppb
Silver	109-1	0.66	0.67	0.71	0.68	4.23	ppb
Sodium	23-2	257.24	255.14	256.42	256.27	0.41	ppb
Strontium	86-1	112.07	112.37	123.42	115.95	5.58	ppb
Strontium	88-1	117.80	119.38	130.58	122.59	5.68	ppb
Sulfur	34-1	-2003.83	-2007.97	-1781.85	-1931.22		ppb
Terbium	159-1				99		%
Terbium	159-2				102		%
Thallium	203-1	0.48	0.47	0.50	0.48	2.71	ppb
Thallium	205-1	0.48	0.51	0.50	0.50	2.72	ppb
Tin	118-1	2.30	2.32	2.62	2.41	7.23	ppb
Titanium	47-1	951.19	964.74	1022.68	979.54	3.88	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-22	Instrumnet Name :	P7
Client Sample ID :	MYE469	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:34:58	DataFile Name :	078SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.02	1.03	1.10	1.05	4.43	ppb
Vanadium	51-2	187.26	187.61	186.71	187.19	0.24	ppb
Yttrium	89-1				104		%
Yttrium	89-2				107		%
Zinc	66-2	284.74	284.74	286.81	285.43	0.42	ppb
Zirconium	90-1	12.62	12.64	13.95	13.07	5.86	ppb
Zirconium	91-1	12.57	12.66	13.77	13.00	5.13	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-01	Instrumnet Name :	P7
Client Sample ID :	MYE470	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:38:06	DataFile Name :	079SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	44338.45	43786.42	44065.45	44063.44	0.63	ppb
Antimony	121-1	2.08	2.18	2.16	2.14	2.39	ppb
Arsenic	75-2	114.90	114.33	114.03	114.42	0.38	ppb
Barium	135-1	443.47	451.42	453.29	449.39	1.16	ppb
Barium	137-1	441.27	447.94	449.47	446.23	0.98	ppb
Beryllium	9-1	1.66	1.64	1.69	1.66	1.56	ppb
Bismuth	209-1				107		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.91	2.39	2.46	2.25	13.34	ppb
Cadmium	106-1	3.11	2.62	2.47	2.73	12.29	ppb
Cadmium	111-1	1.77	1.66	1.70	1.71	3.12	ppb
Calcium	43-1	27398.62	28167.39	27969.00	27845.00	1.43	ppb
Calcium	44-1	26366.39	27032.82	27040.96	26813.39	1.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	101.68	99.75	99.89	100.44	1.07	ppb
Cobalt	59-2	49.92	49.75	49.84	49.84	0.17	ppb
Copper	63-2	266.02	259.96	263.28	263.09	1.15	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				103		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	103828.34	101955.95	102167.21	102650.50	1.00	ppb
Iron	57-2	101880.48	99754.30	101722.69	101119.16	1.17	ppb
Iron	54-2	102273.06	101491.65	101772.35	101845.69	0.39	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-01	Instrumnet Name :	P7
Client Sample ID :	MYE470	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:38:06	DataFile Name :	079SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	64.75	64.33	66.80	65.29	2.02	ppb
Lead	207-1	61.67	62.20	65.22	63.03	3.04	ppb
Lead	208-1	62.47	62.48	64.84	63.26	2.16	ppb
Lithium	6-1				94		%
Magnesium	24-2	21342.74	21054.76	21387.40	21261.63	0.85	ppb
Manganese	55-2	2515.62	2479.42	2494.81	2496.62	0.73	ppb
Molybdenum	94-1	21.12	20.79	20.79	20.90	0.90	ppb
Molybdenum	95-1	1.23	1.29	1.27	1.26	2.39	ppb
Molybdenum	96-1	3.93	3.90	3.92	3.92	0.42	ppb
Molybdenum	97-1	1.29	1.25	1.30	1.28	2.18	ppb
Molybdenum	98-1	1.21	1.25	1.22	1.23	1.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	96.39	95.21	95.63	95.74	0.62	ppb
Phosphorus	31-2	2516.30	2414.52	2525.84	2485.55	2.48	ppb
Potassium	39-2	9997.40	9970.75	9938.12	9968.76	0.30	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	82-1	1.23	1.91	1.37	1.50	23.99	ppb
Selenium	77-2	15.15	14.55	16.19	15.30	5.44	ppb
Selenium	78-2	1.29	3.05	5.05	3.13	60.06	ppb
Silicon	28-1	1668.93	1702.21	1702.94	1691.36	1.15	ppb
Silver	107-1	0.57	0.53	0.58	0.56	4.17	ppb
Silver	109-1	0.53	0.56	0.56	0.55	3.32	ppb
Sodium	23-2	314.50	305.08	313.03	310.87	1.63	ppb
Strontium	86-1	122.61	122.64	122.70	122.65	0.04	ppb
Strontium	88-1	127.50	128.84	128.99	128.44	0.64	ppb
Sulfur	34-1	-1898.35	-1798.26	-1845.16	-1847.26		ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	0.35	0.34	0.36	0.35	2.63	ppb
Thallium	205-1	0.34	0.36	0.37	0.36	3.71	ppb
Tin	118-1	2.23	2.20	2.21	2.21	0.62	ppb
Titanium	47-1	942.05	969.64	961.32	957.67	1.48	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-01	Instrumnet Name :	P7
Client Sample ID :	MYE470	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:38:06	DataFile Name :	079SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.91	0.90	0.91	0.91	1.09	ppb
Vanadium	51-2	182.46	180.82	182.68	181.99	0.56	ppb
Yttrium	89-1				103		%
Yttrium	89-2				107		%
Zinc	66-2	260.40	259.26	257.91	259.19	0.48	ppb
Zirconium	90-1	12.06	12.14	12.09	12.10	0.37	ppb
Zirconium	91-1	11.82	12.31	12.10	12.08	2.04	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-02	Instrumnet Name :	P7
Client Sample ID :	MYE471	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:41:18	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52484.73	52299.40	53397.32	52727.15	1.11	ppb
Antimony	121-1	1.10	1.09	1.11	1.10	1.21	ppb
Arsenic	75-2	80.74	79.99	78.94	79.89	1.13	ppb
Barium	135-1	568.29	577.20	582.16	575.88	1.22	ppb
Barium	137-1	562.58	575.77	576.39	571.58	1.36	ppb
Beryllium	9-1	1.71	2.00	1.94	1.89	8.05	ppb
Bismuth	209-1				107		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.05	2.06	1.99	2.04	1.75	ppb
Cadmium	106-1	2.26	1.27	2.21	1.91	29.38	ppb
Cadmium	111-1	1.00	1.01	1.01	1.01	0.82	ppb
Calcium	43-1	19165.79	19793.77	19725.80	19561.79	1.76	ppb
Calcium	44-1	18662.14	18905.68	19128.94	18898.92	1.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	106.53	108.65	108.73	107.97	1.16	ppb
Cobalt	59-2	49.12	49.34	49.36	49.27	0.27	ppb
Copper	63-2	173.02	172.94	174.83	173.60	0.62	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				104		%
Indium	115-1				98		%
Indium	115-2				98		%
Iron	56-2	98474.25	99825.22	100210.55	99503.34	0.92	ppb
Iron	57-2	98299.40	98097.49	98458.13	98285.01	0.18	ppb
Iron	54-2	98898.09	99344.75	99175.83	99139.56	0.23	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-02	Instrumnet Name :	P7
Client Sample ID :	MYE471	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:41:18	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	37.10	37.03	37.91	37.35	1.31	ppb
Lead	207-1	34.73	35.41	35.71	35.28	1.43	ppb
Lead	208-1	35.52	35.54	36.31	35.79	1.26	ppb
Lithium	6-1				96		%
Magnesium	24-2	22141.17	21882.36	22261.51	22095.01	0.88	ppb
Manganese	55-2	2735.23	2751.37	2740.83	2742.48	0.30	ppb
Molybdenum	94-1	22.11	22.63	23.52	22.75	3.13	ppb
Molybdenum	95-1	1.73	1.74	1.66	1.71	2.29	ppb
Molybdenum	96-1	4.39	4.47	4.43	4.43	0.95	ppb
Molybdenum	97-1	1.68	1.68	1.85	1.74	5.76	ppb
Molybdenum	98-1	1.68	1.66	1.64	1.66	1.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	90.98	91.66	91.91	91.52	0.53	ppb
Phosphorus	31-2	2527.97	2570.56	2564.07	2554.20	0.90	ppb
Potassium	39-2	12874.62	12729.70	12844.23	12816.18	0.60	ppb
Rhodium	103-1				96		%
Rhodium	103-2				97		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	0.69	1.40	0.88	0.99	37.20	ppb
Selenium	77-2	15.29	19.10	23.25	19.21	20.71	ppb
Selenium	78-2	1.62	4.24	2.96	2.94	44.43	ppb
Silicon	28-1	2111.23	2128.83	2137.81	2125.96	0.64	ppb
Silver	107-1	0.34	0.32	0.33	0.33	2.15	ppb
Silver	109-1	0.33	0.30	0.34	0.32	6.47	ppb
Sodium	23-2	313.12	316.99	321.16	317.09	1.27	ppb
Strontium	86-1	99.17	101.16	102.03	100.79	1.45	ppb
Strontium	88-1	102.97	105.56	107.77	105.44	2.28	ppb
Sulfur	34-1	-2147.13	-2215.88	-2226.94	-2196.65		ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	0.37	0.37	0.40	0.38	3.86	ppb
Thallium	205-1	0.38	0.37	0.41	0.39	5.61	ppb
Tin	118-1	2.31	2.39	2.43	2.38	2.68	ppb
Titanium	47-1	1061.85	1091.09	1105.19	1086.04	2.04	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-02	Instrumnet Name :	P7
Client Sample ID :	MYE471	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:41:18	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.08	1.11	1.12	1.10	1.84	ppb
Vanadium	51-2	174.38	174.44	175.00	174.60	0.20	ppb
Yttrium	89-1				105		%
Yttrium	89-2				106		%
Zinc	66-2	231.97	234.10	233.40	233.15	0.46	ppb
Zirconium	90-1	12.82	13.01	13.27	13.03	1.73	ppb
Zirconium	91-1	12.62	13.22	13.31	13.05	2.86	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-03	Instrumnet Name :	P7
Client Sample ID :	MYE472	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:44:26	DataFile Name :	081SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	57257.67	57084.09	57207.51	57183.09	0.16	ppb
Antimony	121-1	1.96	2.03	2.07	2.02	2.94	ppb
Arsenic	75-2	147.26	146.81	144.47	146.18	1.02	ppb
Barium	135-1	962.31	994.38	1001.21	985.96	2.11	ppb
Barium	137-1	1041.84	1083.60	1087.24	1070.89	2.36	ppb
Beryllium	9-1	1.99	2.01	2.32	2.11	8.93	ppb
Bismuth	209-1				106		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.63	2.08	1.90	1.87	12.08	ppb
Cadmium	106-1	2.75	2.86	3.71	3.11	16.98	ppb
Cadmium	111-1	0.92	0.95	0.95	0.94	1.62	ppb
Calcium	43-1	38551.16	39250.80	39442.86	39081.60	1.20	ppb
Calcium	44-1	37977.77	38144.53	38346.78	38156.36	0.48	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	108.96	108.10	108.63	108.57	0.40	ppb
Cobalt	59-2	48.14	47.74	47.58	47.82	0.60	ppb
Copper	63-2	159.56	159.60	160.78	159.98	0.43	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				104		%
Indium	115-1				98		%
Indium	115-2				99		%
Iron	56-2	106921.47	106812.64	106818.35	106850.82	0.06	ppb
Iron	57-2	106268.95	106111.31	105688.68	106022.98	0.28	ppb
Iron	54-2	106673.48	106306.90	106085.87	106355.42	0.28	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-03	Instrumnet Name :	P7
Client Sample ID :	MYE472	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:44:26	DataFile Name :	081SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	34.98	35.97	36.79	35.91	2.52	ppb
Lead	207-1	33.86	34.31	34.91	34.36	1.53	ppb
Lead	208-1	34.30	35.01	35.32	34.87	1.51	ppb
Lithium	6-1				96		%
Magnesium	24-2	26498.02	26864.69	27070.56	26811.09	1.08	ppb
Manganese	55-2	2601.67	2585.20	2587.41	2591.43	0.35	ppb
Molybdenum	94-1	41.46	42.21	42.96	42.21	1.77	ppb
Molybdenum	95-1	1.00	1.04	1.02	1.02	2.30	ppb
Molybdenum	96-1	5.82	5.86	5.83	5.84	0.39	ppb
Molybdenum	97-1	0.86	1.00	0.99	0.95	7.96	ppb
Molybdenum	98-1	0.98	0.95	0.97	0.97	1.69	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	123.00	122.07	120.59	121.89	1.00	ppb
Phosphorus	31-2	3115.64	3108.80	3074.68	3099.71	0.71	ppb
Potassium	39-2	10349.21	10526.33	10423.07	10432.87	0.85	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				104		%
Scandium	45-2				103		%
Selenium	82-1	0.35	0.37	1.37	0.70	83.65	ppb
Selenium	77-2	14.01	17.52	19.75	17.09	16.91	ppb
Selenium	78-2	3.47	1.73	3.25	2.82	33.63	ppb
Silicon	28-1	1997.87	1999.65	2019.13	2005.55	0.59	ppb
Silver	107-1	0.26	0.29	0.27	0.27	4.68	ppb
Silver	109-1	0.26	0.29	0.27	0.27	5.64	ppb
Sodium	23-2	278.02	276.75	280.06	278.27	0.60	ppb
Strontium	86-1	302.62	303.50	308.98	305.04	1.13	ppb
Strontium	88-1	319.52	317.65	327.30	321.49	1.59	ppb
Sulfur	34-1	-2235.31	-2241.60	-2145.68	-2207.53		ppb
Terbium	159-1				103		%
Terbium	159-2				101		%
Thallium	203-1	0.32	0.33	0.32	0.32	1.11	ppb
Thallium	205-1	0.31	0.31	0.29	0.30	2.77	ppb
Tin	118-1	1.64	1.68	1.69	1.67	1.48	ppb
Titanium	47-1	994.72	1018.44	1016.27	1009.81	1.30	ppb

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On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-03	Instrumnet Name :	P7
Client Sample ID :	MYE472	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:44:26	DataFile Name :	081SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.16	1.19	1.18	1.18	1.55	ppb
Vanadium	51-2	201.22	200.58	199.30	200.37	0.49	ppb
Yttrium	89-1				105		%
Yttrium	89-2				106		%
Zinc	66-2	198.56	197.26	199.01	198.28	0.46	ppb
Zirconium	90-1	24.58	24.76	25.33	24.89	1.57	ppb
Zirconium	91-1	25.28	25.05	25.44	25.26	0.78	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-04	Instrumnet Name :	P7
Client Sample ID :	MYE473	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:47:37	DataFile Name :	082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	45592.54	45479.78	45562.08	45544.80	0.13	ppb
Antimony	121-1	1.74	1.75	1.80	1.76	1.85	ppb
Arsenic	75-2	105.71	106.07	105.85	105.88	0.17	ppb
Barium	135-1	453.78	461.13	469.87	461.59	1.75	ppb
Barium	137-1	449.50	461.58	468.83	459.97	2.12	ppb
Beryllium	9-1	1.43	1.47	1.58	1.49	4.99	ppb
Bismuth	209-1				108		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.05	2.53	2.96	2.85	9.64	ppb
Cadmium	106-1	2.72	2.52	2.68	2.64	4.17	ppb
Cadmium	111-1	2.03	1.99	2.18	2.07	4.88	ppb
Calcium	43-1	24800.75	25418.48	25463.95	25227.72	1.47	ppb
Calcium	44-1	24271.14	24451.91	24260.51	24327.86	0.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	97.88	97.33	98.47	97.90	0.58	ppb
Cobalt	59-2	45.28	45.41	45.42	45.37	0.18	ppb
Copper	63-2	330.01	331.51	332.81	331.44	0.42	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				104		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	91004.40	91388.75	91596.58	91329.91	0.33	ppb
Iron	57-2	89832.40	90641.95	89506.46	89993.60	0.65	ppb
Iron	54-2	90359.16	90172.29	91324.04	90618.50	0.68	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-04	Instrumnet Name :	P7
Client Sample ID :	MYE473	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:47:37	DataFile Name :	082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	71.36	73.74	74.53	73.21	2.25	ppb
Lead	207-1	70.03	73.07	73.29	72.13	2.53	ppb
Lead	208-1	69.96	72.20	73.26	71.81	2.35	ppb
Lithium	6-1				98		%
Magnesium	24-2	20520.87	20498.08	20434.54	20484.50	0.22	ppb
Manganese	55-2	2210.52	2216.11	2233.94	2220.19	0.55	ppb
Molybdenum	94-1	21.79	22.78	22.60	22.39	2.35	ppb
Molybdenum	95-1	1.32	1.34	1.32	1.33	0.76	ppb
Molybdenum	96-1	3.94	4.15	4.06	4.05	2.68	ppb
Molybdenum	97-1	1.31	1.33	1.34	1.33	1.27	ppb
Molybdenum	98-1	1.26	1.28	1.23	1.26	1.91	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	86.83	87.98	88.89	87.90	1.17	ppb
Phosphorus	31-2	2482.34	2545.05	2562.71	2530.03	1.67	ppb
Potassium	39-2	12911.35	13002.53	12939.61	12951.16	0.36	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	1.62	1.71	1.99	1.77	10.94	ppb
Selenium	77-2	15.32	11.92	9.09	12.11	25.77	ppb
Selenium	78-2	4.13	3.87	5.41	4.47	18.50	ppb
Silicon	28-1	2066.56	2086.25	2071.76	2074.86	0.49	ppb
Silver	107-1	0.80	0.78	0.79	0.79	0.93	ppb
Silver	109-1	0.76	0.81	0.82	0.80	3.77	ppb
Sodium	23-2	278.25	281.80	284.80	281.62	1.17	ppb
Strontium	86-1	109.33	111.90	112.51	111.25	1.51	ppb
Strontium	88-1	116.85	116.42	118.86	117.38	1.11	ppb
Sulfur	34-1	-1927.49	-1905.62	-2066.01	-1966.38		ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.33	0.35	0.35	0.34	3.53	ppb
Thallium	205-1	0.33	0.36	0.35	0.35	5.38	ppb
Tin	118-1	1.73	1.76	1.83	1.77	2.85	ppb
Titanium	47-1	967.88	992.50	977.52	979.30	1.27	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-04	Instrumnet Name :	P7
Client Sample ID :	MYE473	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:47:37	DataFile Name :	082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.88	0.93	0.93	0.92	3.49	ppb
Vanadium	51-2	166.19	167.01	167.86	167.02	0.50	ppb
Yttrium	89-1				104		%
Yttrium	89-2				106		%
Zinc	66-2	290.60	293.66	290.75	291.67	0.59	ppb
Zirconium	90-1	12.54	12.92	12.91	12.79	1.72	ppb
Zirconium	91-1	12.44	12.85	13.15	12.81	2.76	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-05	Instrumnet Name :	P7
Client Sample ID :	MYE474	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:50:45	DataFile Name :	083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	44607.41	44319.78	44515.36	44480.85	0.33	ppb
Antimony	121-1	2.09	2.03	2.13	2.08	2.44	ppb
Arsenic	75-2	93.96	94.33	92.45	93.58	1.06	ppb
Barium	135-1	435.66	417.56	438.92	430.71	2.67	ppb
Barium	137-1	442.55	435.31	443.46	440.44	1.01	ppb
Beryllium	9-1	1.58	1.45	1.67	1.57	7.12	ppb
Bismuth	209-1				107		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.99	1.95	2.02	1.99	1.77	ppb
Cadmium	106-1	1.81	1.72	1.36	1.63	14.68	ppb
Cadmium	111-1	1.42	1.44	1.51	1.45	3.18	ppb
Calcium	43-1	16833.47	17237.08	17376.33	17148.96	1.64	ppb
Calcium	44-1	16370.43	16584.55	16691.06	16548.68	0.99	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	95.01	94.07	94.44	94.51	0.50	ppb
Cobalt	59-2	41.98	42.19	41.98	42.05	0.28	ppb
Copper	63-2	239.39	240.37	238.32	239.36	0.43	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				105		%
Indium	115-1				96		%
Indium	115-2				97		%
Iron	56-2	89276.53	89455.87	88860.52	89197.64	0.34	ppb
Iron	57-2	87789.97	87688.46	87168.15	87548.86	0.38	ppb
Iron	54-2	89382.00	88679.71	88272.92	88778.21	0.63	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-05	Instrumnet Name :	P7
Client Sample ID :	MYE474	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:50:45	DataFile Name :	083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	54.05	54.89	54.88	54.60	0.88	ppb
Lead	207-1	53.58	55.93	54.91	54.81	2.15	ppb
Lead	208-1	52.79	54.22	53.59	53.53	1.34	ppb
Lithium	6-1				96		%
Magnesium	24-2	20217.22	20086.34	20178.34	20160.63	0.33	ppb
Manganese	55-2	2335.03	2331.79	2304.70	2323.84	0.72	ppb
Molybdenum	94-1	19.64	19.74	20.49	19.96	2.33	ppb
Molybdenum	95-1	1.20	1.17	1.12	1.16	3.47	ppb
Molybdenum	96-1	3.79	3.66	3.86	3.77	2.74	ppb
Molybdenum	97-1	1.14	1.17	1.21	1.17	3.10	ppb
Molybdenum	98-1	1.16	1.14	1.19	1.16	2.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	82.75	83.40	82.93	83.03	0.40	ppb
Phosphorus	31-2	2095.92	2041.11	2024.79	2053.94	1.81	ppb
Potassium	39-2	10542.35	10399.96	10433.27	10458.53	0.71	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	82-1	1.37	1.39	1.75	1.51	14.16	ppb
Selenium	77-2	19.61	13.41	17.49	16.84	18.72	ppb
Selenium	78-2	2.04	2.69	2.98	2.57	18.62	ppb
Silicon	28-1	1194.02	1244.02	1249.91	1229.32	2.50	ppb
Silver	107-1	0.55	0.53	0.55	0.54	2.07	ppb
Silver	109-1	0.61	0.54	0.55	0.57	6.10	ppb
Sodium	23-2	276.27	273.92	277.95	276.04	0.73	ppb
Strontium	86-1	91.14	91.17	95.72	92.68	2.84	ppb
Strontium	88-1	93.13	90.33	92.66	92.04	1.62	ppb
Sulfur	34-1	-2156.05	-2106.70	-2069.37	-2110.71		ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	0.31	0.33	0.32	0.32	2.81	ppb
Thallium	205-1	0.33	0.31	0.31	0.32	2.99	ppb
Tin	118-1	1.84	1.75	1.86	1.82	3.19	ppb
Titanium	47-1	938.85	965.05	970.55	958.15	1.77	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-05	Instrumnet Name :	P7
Client Sample ID :	MYE474	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:50:45	DataFile Name :	083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.89	0.94	0.92	0.91	2.48	ppb
Vanadium	51-2	162.35	161.37	162.11	161.94	0.32	ppb
Yttrium	89-1				102		%
Yttrium	89-2				105		%
Zinc	66-2	241.04	240.64	239.00	240.23	0.45	ppb
Zirconium	90-1	11.30	11.27	11.92	11.49	3.18	ppb
Zirconium	91-1	11.67	11.66	12.00	11.78	1.62	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-06	Instrumnet Name :	P7
Client Sample ID :	MYE475	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:53:57	DataFile Name :	084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	45225.56	45590.33	45775.76	45530.55	0.61	ppb
Antimony	121-1	1.14	1.21	1.23	1.19	3.69	ppb
Arsenic	75-2	74.30	75.22	76.11	75.21	1.20	ppb
Barium	135-1	454.24	473.79	480.08	469.37	2.87	ppb
Barium	137-1	446.04	461.05	475.19	460.76	3.16	ppb
Beryllium	9-1	1.66	1.46	1.78	1.63	9.78	ppb
Bismuth	209-1				110		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.20	1.26	1.71	1.39	20.01	ppb
Cadmium	106-1	0.31	0.62	-0.53	0.13	449.71	ppb
Cadmium	111-1	0.99	1.04	0.88	0.97	8.65	ppb
Calcium	43-1	17419.48	17136.07	17471.34	17342.30	1.04	ppb
Calcium	44-1	16809.71	17120.28	16593.96	16841.32	1.57	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	91.11	90.81	91.57	91.16	0.42	ppb
Cobalt	59-2	41.08	42.01	41.62	41.57	1.13	ppb
Copper	63-2	170.74	171.89	172.55	171.73	0.53	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				104		%
Indium	115-1				97		%
Indium	115-2				98		%
Iron	56-2	80881.88	80951.38	80731.98	80855.08	0.14	ppb
Iron	57-2	78943.26	79868.39	79883.38	79565.01	0.68	ppb
Iron	54-2	80037.13	81483.69	80807.56	80776.12	0.90	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-06	Instrumnet Name :	P7
Client Sample ID :	MYE475	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:53:57	DataFile Name :	084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	37.39	38.93	41.55	39.29	5.35	ppb
Lead	207-1	34.87	36.19	38.98	36.68	5.73	ppb
Lead	208-1	35.98	36.83	39.37	37.39	4.72	ppb
Lithium	6-1				102		%
Magnesium	24-2	18563.61	18724.93	18817.47	18702.00	0.69	ppb
Manganese	55-2	2523.42	2560.85	2540.35	2541.54	0.74	ppb
Molybdenum	94-1	15.15	15.41	16.11	15.55	3.19	ppb
Molybdenum	95-1	1.59	1.73	1.82	1.71	6.70	ppb
Molybdenum	96-1	3.33	3.51	3.70	3.51	5.29	ppb
Molybdenum	97-1	1.62	1.50	1.72	1.61	6.74	ppb
Molybdenum	98-1	1.55	1.64	1.71	1.63	4.94	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	78.62	78.13	79.51	78.75	0.89	ppb
Phosphorus	31-2	2026.02	2117.45	2040.39	2061.29	2.39	ppb
Potassium	39-2	11049.74	10874.64	11099.95	11008.11	1.07	ppb
Rhodium	103-1				96		%
Rhodium	103-2				97		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	0.38	0.99	1.08	0.81	46.89	ppb
Selenium	77-2	12.75	19.59	13.63	15.32	24.28	ppb
Selenium	78-2	2.55	0.23	-0.09	0.89	161.50	ppb
Silicon	28-1	1866.45	1860.05	1965.04	1897.18	3.10	ppb
Silver	107-1	0.36	0.42	0.41	0.40	8.16	ppb
Silver	109-1	0.38	0.40	0.38	0.39	3.08	ppb
Sodium	23-2	253.45	252.12	254.63	253.40	0.50	ppb
Strontium	86-1	81.68	82.65	89.23	84.52	4.86	ppb
Strontium	88-1	82.36	83.62	87.83	84.61	3.39	ppb
Sulfur	34-1	-2098.30	-2340.96	-2245.88	-2228.38		ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	0.30	0.28	0.34	0.31	11.41	ppb
Thallium	205-1	0.30	0.31	0.33	0.31	4.94	ppb
Tin	118-1	1.63	1.75	1.71	1.70	3.76	ppb
Titanium	47-1	942.24	945.25	982.00	956.50	2.31	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-06	Instrumnet Name :	P7
Client Sample ID :	MYE475	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:53:57	DataFile Name :	084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.88	0.90	0.97	0.92	5.16	ppb
Vanadium	51-2	142.23	144.04	143.80	143.36	0.68	ppb
Yttrium	89-1				104		%
Yttrium	89-2				105		%
Zinc	66-2	203.30	206.56	205.08	204.98	0.79	ppb
Zirconium	90-1	8.12	8.55	9.01	8.56	5.20	ppb
Zirconium	91-1	8.23	8.51	9.15	8.63	5.49	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV038	Instrumnet Name :	P7
Client Sample ID :	CCV038	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:57:07	DataFile Name :	085CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48734.10	47684.60	48253.37	48224.02	1.09	ppb
Antimony	121-1	488.36	508.48	509.25	502.03	2.36	ppb
Arsenic	75-2	527.43	530.45	533.01	530.30	0.53	ppb
Barium	135-1	2442.73	2518.08	2577.98	2512.93	2.70	ppb
Barium	137-1	2466.08	2551.79	2552.26	2523.37	1.97	ppb
Beryllium	9-1	509.01	508.71	507.57	508.43	0.15	ppb
Bismuth	209-1				109		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	492.37	504.97	519.79	505.71	2.71	ppb
Cadmium	106-1	492.33	510.02	519.41	507.25	2.71	ppb
Cadmium	111-1	497.86	510.51	514.13	507.50	1.68	ppb
Calcium	43-1	235014.42	252418.83	245401.01	244278.09	3.58	ppb
Calcium	44-1	235888.75	248425.55	245977.27	243430.52	2.73	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	501.37	491.60	495.18	496.05	1.00	ppb
Cobalt	59-2	532.84	519.92	520.13	524.30	1.41	ppb
Copper	63-2	5123.31	5086.06	5091.41	5100.26	0.39	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				107		%
Indium	115-1				99		%
Indium	115-2				96		%
Iron	56-2	125774.44	123232.07	124637.57	124548.03	1.02	ppb
Iron	57-2	125739.53	123905.85	124129.03	124591.47	0.80	ppb
Iron	54-2	125334.35	123234.37	123907.02	124158.58	0.86	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV038	Instrumnet Name :	P7
Client Sample ID :	CCV038	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:57:07	DataFile Name :	085CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2459.78	2539.15	2542.30	2513.74	1.86	ppb
Lead	207-1	2403.06	2490.91	2532.10	2475.36	2.66	ppb
Lead	208-1	2438.38	2502.34	2539.60	2493.44	2.05	ppb
Lithium	6-1				106		%
Magnesium	24-2	250873.74	248196.69	250583.41	249884.61	0.59	ppb
Manganese	55-2	4996.73	4886.50	4949.91	4944.38	1.12	ppb
Molybdenum	94-1	4812.39	5030.51	5116.00	4986.30	3.14	ppb
Molybdenum	95-1	4837.94	5084.38	5080.23	5000.85	2.82	ppb
Molybdenum	96-1	4805.67	5064.58	5070.88	4980.38	3.04	ppb
Molybdenum	97-1	4770.37	4998.87	5020.46	4929.90	2.81	ppb
Molybdenum	98-1	4785.75	4996.36	5037.76	4939.96	2.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	518.44	512.14	515.39	515.32	0.61	ppb
Phosphorus	31-2	9812.00	9822.67	9792.00	9808.89	0.16	ppb
Potassium	39-2	123717.81	121583.96	122936.97	122746.24	0.88	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				99		%
Scandium	45-2				98		%
Selenium	82-1	493.35	517.96	523.65	511.65	3.15	ppb
Selenium	77-2	522.19	521.79	501.95	515.31	2.25	ppb
Selenium	78-2	520.31	521.05	529.07	523.47	0.93	ppb
Silicon	28-1	2804.82	2945.99	2902.06	2884.29	2.50	ppb
Silver	107-1	518.81	517.83	530.30	522.31	1.33	ppb
Silver	109-1	513.05	526.17	524.68	521.30	1.38	ppb
Sodium	23-2	245683.79	244447.71	244308.83	244813.44	0.31	ppb
Strontium	86-1	11965.26	12618.40	12461.84	12348.50	2.76	ppb
Strontium	88-1	12136.16	12634.24	12597.61	12456.00	2.23	ppb
Sulfur	34-1	8635.43	9518.84	9275.93	9143.40	4.99	ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	500.09	510.72	517.24	509.35	1.70	ppb
Thallium	205-1	488.96	507.78	508.18	501.64	2.19	ppb
Tin	118-1	480.66	489.68	491.65	487.33	1.20	ppb
Titanium	47-1	4732.39	5126.11	4984.82	4947.77	4.03	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV038	Instrumnet Name :	P7
Client Sample ID :	CCV038	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:57:07	DataFile Name :	085CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	491.18	510.03	518.44	506.55	2.76	ppb
Vanadium	51-2	503.21	500.19	502.08	501.83	0.30	ppb
Yttrium	89-1				101		%
Yttrium	89-2				101		%
Zinc	66-2	5239.65	5148.95	5210.01	5199.54	0.89	ppb
Zirconium	90-1	489.98	510.14	518.46	506.19	2.89	ppb
Zirconium	91-1	476.04	499.71	506.27	494.00	3.22	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB038	Instrumnet Name :	P7
Client Sample ID :	CCB038	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:59:56	DataFile Name :	086CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.10	2.10	2.06	2.09	1.30	ppb
Antimony	121-1	0.33	0.30	0.31	0.32	4.76	ppb
Arsenic	75-2	0.02	0.03	0.07	0.04	52.51	ppb
Barium	135-1	0.52	0.11	0.07	0.24	106.02	ppb
Barium	137-1	0.69	0.10	0.11	0.30	113.36	ppb
Beryllium	9-1	0.02	0.01	0.07	0.04	84.01	ppb
Bismuth	209-1				114		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.04	-0.14	0.01	-0.06		ppb
Cadmium	106-1	-1.46	-0.75	-0.48	-0.89		ppb
Cadmium	111-1	-0.07	0.00	0.00	-0.02		ppb
Calcium	43-1	11.47	7.21	3.91	7.53	50.33	ppb
Calcium	44-1	-6.67	-9.22	-10.16	-8.68		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	0.04	0.02	0.03	28.23	ppb
Cobalt	59-2	0.01	0.01	0.02	0.01	59.02	ppb
Copper	63-2	0.12	0.10	0.21	0.15	40.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				100		%
Iron	56-2	5.38	5.05	5.32	5.25	3.34	ppb
Iron	57-2	2.36	4.67	2.01	3.01	47.85	ppb
Iron	54-2	4.86	5.13	5.36	5.12	4.93	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB038	Instrumnet Name :	P7
Client Sample ID :	CCB038	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:59:56	DataFile Name :	086CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.30	0.17	0.17	0.21	35.56	ppb
Lead	207-1	0.24	0.16	0.14	0.18	28.57	ppb
Lead	208-1	0.24	0.17	0.15	0.18	24.55	ppb
Lithium	6-1				105		%
Magnesium	24-2	9.87	9.40	10.53	9.93	5.73	ppb
Manganese	55-2	0.20	0.15	0.16	0.17	16.34	ppb
Molybdenum	94-1	0.39	0.39	0.34	0.37	8.93	ppb
Molybdenum	95-1	0.33	0.28	0.30	0.30	8.24	ppb
Molybdenum	96-1	0.32	0.34	0.35	0.34	4.77	ppb
Molybdenum	97-1	0.38	0.29	0.33	0.33	13.84	ppb
Molybdenum	98-1	0.35	0.32	0.32	0.33	5.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	0.01	0.00	0.01	80.07	ppb
Phosphorus	31-2	-17.55	-24.15	-21.10	-20.94		ppb
Potassium	39-2	8.13	11.85	16.68	12.22	35.06	ppb
Rhodium	103-1				102		%
Rhodium	103-2				100		%
Scandium	45-1				101		%
Scandium	45-2				96		%
Selenium	82-1	0.62	0.27	0.04	0.31	94.77	ppb
Selenium	77-2	-0.37	-0.37	-0.37	-0.37		ppb
Selenium	78-2	-1.03	1.76	-1.07	-0.11		ppb
Silicon	28-1	-2.15	-2.54	-2.12	-2.27		ppb
Silver	107-1	0.14	0.05	0.04	0.07	72.18	ppb
Silver	109-1	0.07	0.05	0.04	0.05	31.01	ppb
Sodium	23-2	35.49	33.93	37.90	35.78	5.60	ppb
Strontium	86-1	0.53	0.45	0.37	0.45	17.03	ppb
Strontium	88-1	0.61	0.48	0.45	0.52	16.16	ppb
Sulfur	34-1	-964.37	-652.65	-612.57	-743.20		ppb
Terbium	159-1				106		%
Terbium	159-2				103		%
Thallium	203-1	0.10	0.08	0.08	0.09	14.10	ppb
Thallium	205-1	0.10	0.07	0.06	0.08	24.53	ppb
Tin	118-1	0.08	0.09	0.08	0.08	1.79	ppb
Titanium	47-1	0.29	0.14	0.19	0.20	37.39	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB038	Instrumnet Name :	P7
Client Sample ID :	CCB038	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:59:56	DataFile Name :	086CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.02	0.02	0.02	36.40	ppb
Vanadium	51-2	0.01	0.01	0.01	0.01	5.89	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	0.00	0.13	0.13	0.09	82.87	ppb
Zirconium	90-1	0.04	0.04	0.03	0.04	10.36	ppb
Zirconium	91-1	0.03	0.05	0.02	0.03	50.80	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-07	Instrumnet Name :	P7
Client Sample ID :	MYE476	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:03:12	DataFile Name :	087SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	57388.58	57996.38	57836.87	57740.61	0.55	ppb
Antimony	121-1	1.85	1.84	1.88	1.86	0.98	ppb
Arsenic	75-2	98.38	95.23	94.68	96.10	2.08	ppb
Barium	135-1	574.29	587.08	583.85	581.74	1.14	ppb
Barium	137-1	571.73	582.40	587.66	580.60	1.40	ppb
Beryllium	9-1	2.12	2.14	1.96	2.07	4.73	ppb
Bismuth	209-1				108		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.25	2.35	2.98	2.53	15.77	ppb
Cadmium	106-1	2.68	1.44	2.86	2.33	33.31	ppb
Cadmium	111-1	1.48	1.41	1.41	1.43	2.92	ppb
Calcium	43-1	22614.51	23020.97	23399.72	23011.73	1.71	ppb
Calcium	44-1	22028.18	22063.80	22632.72	22241.57	1.53	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	114.52	113.00	114.34	113.95	0.73	ppb
Cobalt	59-2	51.23	50.95	50.68	50.95	0.54	ppb
Copper	63-2	245.78	243.96	245.15	244.96	0.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				106		%
Indium	115-1				99		%
Indium	115-2				100		%
Iron	56-2	106185.07	104343.54	105488.59	105339.07	0.88	ppb
Iron	57-2	105159.68	102523.76	103309.14	103664.20	1.31	ppb
Iron	54-2	105617.90	103653.90	105088.23	104786.68	0.97	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-07	Instrumnet Name :	P7
Client Sample ID :	MYE476	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:03:12	DataFile Name :	087SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	53.85	55.29	54.50	54.55	1.32	ppb
Lead	207-1	51.44	53.69	52.60	52.58	2.14	ppb
Lead	208-1	51.98	53.56	53.05	52.86	1.53	ppb
Lithium	6-1				99		%
Magnesium	24-2	24270.88	24047.21	23857.82	24058.64	0.86	ppb
Manganese	55-2	2917.79	2865.41	2884.32	2889.17	0.92	ppb
Molybdenum	94-1	19.83	20.44	20.32	20.20	1.61	ppb
Molybdenum	95-1	1.74	1.78	1.79	1.77	1.54	ppb
Molybdenum	96-1	4.20	4.25	4.35	4.27	1.86	ppb
Molybdenum	97-1	1.74	1.71	1.87	1.77	4.74	ppb
Molybdenum	98-1	1.66	1.66	1.68	1.67	0.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	96.19	96.91	95.44	96.18	0.77	ppb
Phosphorus	31-2	2803.95	2743.32	2790.94	2779.41	1.15	ppb
Potassium	39-2	14234.09	13894.07	14073.79	14067.32	1.21	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				106		%
Scandium	45-2				105		%
Selenium	82-1	1.91	1.17	1.81	1.63	24.64	ppb
Selenium	77-2	20.43	21.86	21.21	21.16	3.38	ppb
Selenium	78-2	4.23	3.42	2.42	3.36	27.00	ppb
Silicon	28-1	1475.91	1465.61	1496.09	1479.20	1.05	ppb
Silver	107-1	0.59	0.59	0.58	0.58	0.77	ppb
Silver	109-1	0.58	0.57	0.57	0.57	1.10	ppb
Sodium	23-2	349.64	349.99	347.59	349.08	0.37	ppb
Strontium	86-1	112.63	114.36	115.93	114.31	1.44	ppb
Strontium	88-1	117.75	120.56	121.97	120.09	1.79	ppb
Sulfur	34-1	-1185.96	-1594.95	-1781.13	-1520.68		ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.46	0.46	0.48	0.47	2.13	ppb
Thallium	205-1	0.46	0.48	0.46	0.46	2.41	ppb
Tin	118-1	1.86	1.94	2.01	1.94	3.92	ppb
Titanium	47-1	1113.21	1129.84	1154.35	1132.47	1.83	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-07	Instrumnet Name :	P7
Client Sample ID :	MYE476	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:03:12	DataFile Name :	087SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.14	1.19	1.15	1.16	2.06	ppb
Vanadium	51-2	185.85	185.85	184.93	185.55	0.29	ppb
Yttrium	89-1				107		%
Yttrium	89-2				109		%
Zinc	66-2	273.83	269.83	270.02	271.23	0.83	ppb
Zirconium	90-1	11.35	11.53	11.67	11.52	1.36	ppb
Zirconium	91-1	11.41	11.70	11.59	11.57	1.27	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-08	Instrumnet Name :	P7
Client Sample ID :	MYE477	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:06:23	DataFile Name :	088SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46339.03	46039.89	46139.59	46172.83	0.33	ppb
Antimony	121-1	2.41	2.44	2.64	2.50	4.99	ppb
Arsenic	75-2	116.16	117.73	114.76	116.22	1.28	ppb
Barium	135-1	477.89	490.67	504.93	491.16	2.75	ppb
Barium	137-1	477.23	489.55	498.41	488.40	2.18	ppb
Beryllium	9-1	1.70	1.75	1.83	1.76	3.84	ppb
Bismuth	209-1				107		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.04	3.55	3.94	3.51	12.84	ppb
Cadmium	106-1	3.85	4.64	3.06	3.85	20.45	ppb
Cadmium	111-1	2.90	3.02	3.07	2.99	2.91	ppb
Calcium	43-1	27259.50	28239.87	28945.21	28148.19	3.01	ppb
Calcium	44-1	26504.25	27054.59	28031.30	27196.71	2.84	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	97.79	97.43	97.07	97.43	0.37	ppb
Cobalt	59-2	43.78	44.05	43.52	43.78	0.61	ppb
Copper	63-2	411.71	407.82	408.54	409.36	0.51	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				104		%
Indium	115-1				98		%
Indium	115-2				99		%
Iron	56-2	90513.98	89261.13	89793.27	89856.13	0.70	ppb
Iron	57-2	88656.58	87836.16	88718.90	88403.88	0.56	ppb
Iron	54-2	90118.22	88462.50	89697.07	89425.93	0.96	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-08	Instrumnet Name :	P7
Client Sample ID :	MYE477	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:06:23	DataFile Name :	088SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	88.47	90.81	93.81	91.03	2.94	ppb
Lead	207-1	86.31	89.64	91.16	89.03	2.79	ppb
Lead	208-1	86.76	89.54	91.39	89.23	2.61	ppb
Lithium	6-1				99		%
Magnesium	24-2	20286.75	20214.47	20279.20	20260.14	0.20	ppb
Manganese	55-2	2377.31	2327.12	2342.61	2349.01	1.09	ppb
Molybdenum	94-1	24.77	25.61	26.15	25.51	2.73	ppb
Molybdenum	95-1	1.32	1.39	1.43	1.38	4.02	ppb
Molybdenum	96-1	4.27	4.33	4.46	4.36	2.21	ppb
Molybdenum	97-1	1.33	1.28	1.43	1.35	5.57	ppb
Molybdenum	98-1	1.31	1.27	1.37	1.32	3.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	92.08	90.06	89.81	90.65	1.37	ppb
Phosphorus	31-2	2610.77	2617.24	2647.61	2625.21	0.75	ppb
Potassium	39-2	13205.87	13488.16	13406.38	13366.80	1.09	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				104		%
Scandium	45-2				102		%
Selenium	82-1	2.59	1.39	0.90	1.63	53.57	ppb
Selenium	77-2	14.73	12.24	17.70	14.89	18.37	ppb
Selenium	78-2	1.54	3.19	1.50	2.07	46.43	ppb
Silicon	28-1	1685.51	1735.39	1748.47	1723.12	1.93	ppb
Silver	107-1	1.14	1.19	1.21	1.18	3.30	ppb
Silver	109-1	1.13	1.27	1.26	1.22	6.35	ppb
Sodium	23-2	278.36	279.61	275.44	277.80	0.77	ppb
Strontium	86-1	97.63	98.59	102.13	99.45	2.38	ppb
Strontium	88-1	102.10	103.11	106.73	103.98	2.34	ppb
Sulfur	34-1	-2105.72	-2098.42	-1919.30	-2041.15		ppb
Terbium	159-1				101		%
Terbium	159-2				102		%
Thallium	203-1	0.41	0.40	0.41	0.41	1.40	ppb
Thallium	205-1	0.39	0.40	0.41	0.40	2.16	ppb
Tin	118-1	2.27	2.36	2.37	2.33	2.28	ppb
Titanium	47-1	1016.40	1038.94	1067.86	1041.07	2.48	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-08	Instrumnet Name :	P7
Client Sample ID :	MYE477	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:06:23	DataFile Name :	088SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.90	0.91	0.91	0.91	0.84	ppb
Vanadium	51-2	165.14	164.49	163.48	164.37	0.51	ppb
Yttrium	89-1				104		%
Yttrium	89-2				106		%
Zinc	66-2	329.78	325.05	329.79	328.21	0.83	ppb
Zirconium	90-1	14.51	14.59	15.27	14.79	2.81	ppb
Zirconium	91-1	14.58	14.98	15.30	14.96	2.40	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-09	Instrumnet Name :	P7
Client Sample ID :	MYE478	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:09:32	DataFile Name :	089SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47907.07	47859.45	48595.25	48120.59	0.86	ppb
Antimony	121-1	2.40	2.38	2.41	2.40	0.63	ppb
Arsenic	75-2	125.82	125.56	124.81	125.40	0.42	ppb
Barium	135-1	551.24	546.13	552.15	549.84	0.59	ppb
Barium	137-1	547.78	544.42	547.65	546.61	0.35	ppb
Beryllium	9-1	1.74	1.78	1.86	1.79	3.65	ppb
Bismuth	209-1				107		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.75	4.07	3.64	3.82	5.84	ppb
Cadmium	106-1	5.38	3.63	2.87	3.96	32.55	ppb
Cadmium	111-1	2.95	2.94	2.89	2.93	1.07	ppb
Calcium	43-1	41807.22	43145.92	43441.75	42798.30	2.04	ppb
Calcium	44-1	40164.35	41634.75	41646.12	41148.41	2.07	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	98.40	99.62	99.46	99.16	0.67	ppb
Cobalt	59-2	48.52	49.13	48.94	48.86	0.65	ppb
Copper	63-2	414.94	416.96	420.17	417.36	0.63	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				104		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	94046.79	95197.11	93738.71	94327.54	0.81	ppb
Iron	57-2	91982.24	92642.92	93134.31	92586.49	0.62	ppb
Iron	54-2	92770.18	93939.63	93580.22	93430.01	0.64	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-09	Instrumnet Name :	P7
Client Sample ID :	MYE478	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:09:32	DataFile Name :	089SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	94.02	98.32	95.93	96.09	2.25	ppb
Lead	207-1	92.03	94.82	93.94	93.60	1.52	ppb
Lead	208-1	92.10	95.58	94.32	94.00	1.88	ppb
Lithium	6-1				99		%
Magnesium	24-2	22205.16	22220.75	22343.76	22256.56	0.34	ppb
Manganese	55-2	2794.44	2826.91	2784.15	2801.84	0.80	ppb
Molybdenum	94-1	26.53	27.25	27.24	27.01	1.54	ppb
Molybdenum	95-1	1.30	1.31	1.38	1.33	3.05	ppb
Molybdenum	96-1	4.42	4.53	4.71	4.55	3.22	ppb
Molybdenum	97-1	1.34	1.32	1.34	1.33	0.69	ppb
Molybdenum	98-1	1.29	1.27	1.28	1.28	0.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	100.16	101.77	102.05	101.33	1.01	ppb
Phosphorus	31-2	2826.00	2840.58	2826.70	2831.09	0.29	ppb
Potassium	39-2	13309.61	13447.22	13515.34	13424.06	0.78	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				104		%
Scandium	45-2				103		%
Selenium	82-1	1.75	2.20	1.60	1.85	16.90	ppb
Selenium	77-2	15.40	16.08	18.46	16.65	9.67	ppb
Selenium	78-2	3.87	2.55	4.71	3.71	29.29	ppb
Silicon	28-1	1890.06	1909.29	1960.04	1919.80	1.88	ppb
Silver	107-1	1.05	1.10	1.06	1.07	2.60	ppb
Silver	109-1	1.07	1.05	1.04	1.06	1.50	ppb
Sodium	23-2	391.21	394.79	398.77	394.92	0.96	ppb
Strontium	86-1	104.29	107.31	108.67	106.75	2.10	ppb
Strontium	88-1	111.68	110.99	113.67	112.11	1.24	ppb
Sulfur	34-1	-1935.05	-1744.39	-1710.57	-1796.67		ppb
Terbium	159-1				102		%
Terbium	159-2				103		%
Thallium	203-1	0.42	0.46	0.43	0.44	4.40	ppb
Thallium	205-1	0.40	0.44	0.41	0.42	4.47	ppb
Tin	118-1	2.30	2.28	2.35	2.31	1.36	ppb
Titanium	47-1	1048.50	1082.62	1079.13	1070.08	1.75	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-09	Instrumnet Name :	P7
Client Sample ID :	MYE478	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:09:32	DataFile Name :	089SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.95	1.01	0.99	0.98	2.90	ppb
Vanadium	51-2	168.42	170.82	171.85	170.36	1.03	ppb
Yttrium	89-1				105		%
Yttrium	89-2				108		%
Zinc	66-2	340.25	341.10	344.69	342.02	0.69	ppb
Zirconium	90-1	15.54	15.95	15.96	15.82	1.53	ppb
Zirconium	91-1	15.26	15.65	16.01	15.64	2.41	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-10	Instrumnet Name :	P7
Client Sample ID :	MYE479	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:12:42	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	42340.29	41957.90	41730.00	42009.39	0.73	ppb
Antimony	121-1	1.63	1.67	1.70	1.67	2.23	ppb
Arsenic	75-2	81.70	83.92	84.54	83.39	1.79	ppb
Barium	135-1	520.49	540.65	546.70	535.95	2.56	ppb
Barium	137-1	520.81	538.95	544.38	534.71	2.31	ppb
Beryllium	9-1	1.31	1.28	1.49	1.36	8.25	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.32	2.01	2.28	1.87	26.37	ppb
Cadmium	106-1	1.72	2.66	1.55	1.97	30.28	ppb
Cadmium	111-1	0.59	0.76	0.65	0.67	13.18	ppb
Calcium	43-1	47841.58	48742.36	49153.33	48579.09	1.38	ppb
Calcium	44-1	46923.30	46823.43	47234.23	46993.65	0.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	89.27	88.18	87.84	88.43	0.85	ppb
Cobalt	59-2	41.88	41.41	41.19	41.49	0.85	ppb
Copper	63-2	128.27	126.50	124.88	126.55	1.34	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				102		%
Indium	115-1				98		%
Indium	115-2				97		%
Iron	56-2	85673.59	84677.99	84519.57	84957.05	0.74	ppb
Iron	57-2	84352.08	84478.34	83575.01	84135.14	0.58	ppb
Iron	54-2	85955.84	84031.85	83777.36	84588.35	1.41	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-10	Instrumnet Name :	P7
Client Sample ID :	MYE479	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:12:42	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	26.14	26.47	26.80	26.47	1.23	ppb
Lead	207-1	24.47	25.12	25.47	25.02	2.02	ppb
Lead	208-1	25.00	25.54	25.80	25.45	1.60	ppb
Lithium	6-1				98		%
Magnesium	24-2	25159.68	25022.54	24679.48	24953.90	0.99	ppb
Manganese	55-2	1822.37	1793.99	1804.61	1806.99	0.79	ppb
Molybdenum	94-1	26.07	27.19	27.17	26.81	2.39	ppb
Molybdenum	95-1	0.81	0.90	0.91	0.87	6.36	ppb
Molybdenum	96-1	4.00	4.14	4.02	4.05	1.84	ppb
Molybdenum	97-1	0.74	0.83	0.86	0.81	7.62	ppb
Molybdenum	98-1	0.79	0.81	0.80	0.80	0.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	94.50	92.34	92.62	93.15	1.26	ppb
Phosphorus	31-2	2141.00	2186.13	2112.44	2146.52	1.73	ppb
Potassium	39-2	6338.35	6219.54	6251.40	6269.76	0.98	ppb
Rhodium	103-1				97		%
Rhodium	103-2				96		%
Scandium	45-1				102		%
Scandium	45-2				99		%
Selenium	82-1	0.71	0.52	0.92	0.72	28.19	ppb
Selenium	77-2	16.06	14.06	10.63	13.58	20.23	ppb
Selenium	78-2	2.74	4.54	-0.58	2.23	116.11	ppb
Silicon	28-1	1756.51	1778.60	1790.30	1775.14	0.97	ppb
Silver	107-1	0.19	0.20	0.21	0.20	5.60	ppb
Silver	109-1	0.19	0.19	0.19	0.19	1.28	ppb
Sodium	23-2	817.86	816.48	819.71	818.01	0.20	ppb
Strontium	86-1	176.34	184.81	183.77	181.64	2.54	ppb
Strontium	88-1	185.14	194.81	193.13	191.03	2.70	ppb
Sulfur	34-1	-1771.65	-1641.03	-1521.51	-1644.73		ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	0.23	0.25	0.22	0.23	7.36	ppb
Thallium	205-1	0.23	0.24	0.25	0.24	4.24	ppb
Tin	118-1	1.52	1.62	1.60	1.58	3.21	ppb
Titanium	47-1	981.21	999.18	1007.08	995.82	1.33	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-10	Instrumnet Name :	P7
Client Sample ID :	MYE479	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:12:42	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.94	0.92	0.99	0.95	3.88	ppb
Vanadium	51-2	170.83	170.54	168.56	169.98	0.72	ppb
Yttrium	89-1				102		%
Yttrium	89-2				105		%
Zinc	66-2	164.46	164.97	160.16	163.20	1.62	ppb
Zirconium	90-1	15.39	16.20	16.18	15.92	2.89	ppb
Zirconium	91-1	15.50	16.05	16.41	15.99	2.87	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-11	Instrumnet Name :	P7
Client Sample ID :	MYE480	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:15:50	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48302.89	48928.41	48659.05	48630.12	0.65	ppb
Antimony	121-1	7.00	7.30	7.20	7.17	2.13	ppb
Arsenic	75-2	88.67	88.43	90.15	89.08	1.04	ppb
Barium	135-1	511.40	529.14	523.08	521.21	1.73	ppb
Barium	137-1	509.09	518.47	525.32	517.63	1.57	ppb
Beryllium	9-1	1.64	1.70	1.92	1.75	8.24	ppb
Bismuth	209-1				106		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.30	1.51	1.61	1.47	10.57	ppb
Cadmium	106-1	0.91	1.37	0.68	0.99	35.80	ppb
Cadmium	111-1	0.85	0.88	0.81	0.85	3.71	ppb
Calcium	43-1	21507.38	22076.15	21956.30	21846.61	1.37	ppb
Calcium	44-1	20768.62	21163.92	21110.54	21014.36	1.02	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	97.80	98.05	98.42	98.09	0.31	ppb
Cobalt	59-2	44.12	44.45	44.77	44.44	0.74	ppb
Copper	63-2	172.20	172.35	172.98	172.51	0.24	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				103		%
Indium	115-1				98		%
Indium	115-2				97		%
Iron	56-2	89978.06	90911.26	89959.36	90282.89	0.60	ppb
Iron	57-2	88788.24	89630.84	88631.28	89016.79	0.60	ppb
Iron	54-2	89874.62	90138.76	89274.85	89762.75	0.49	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-11	Instrumnet Name :	P7
Client Sample ID :	MYE480	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:15:50	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	44.87	45.19	45.72	45.26	0.95	ppb
Lead	207-1	42.76	43.24	44.59	43.53	2.18	ppb
Lead	208-1	43.39	43.80	44.45	43.88	1.21	ppb
Lithium	6-1				97		%
Magnesium	24-2	20444.18	20664.38	20556.39	20554.98	0.54	ppb
Manganese	55-2	2837.07	2815.43	2796.44	2816.31	0.72	ppb
Molybdenum	94-1	19.22	19.78	20.11	19.70	2.28	ppb
Molybdenum	95-1	1.76	1.78	1.81	1.78	1.34	ppb
Molybdenum	96-1	4.02	4.17	4.33	4.17	3.72	ppb
Molybdenum	97-1	1.73	1.81	1.84	1.79	3.21	ppb
Molybdenum	98-1	1.75	1.70	1.79	1.74	2.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	90.13	91.11	90.85	90.70	0.56	ppb
Phosphorus	31-2	2270.82	2276.02	2288.19	2278.34	0.39	ppb
Potassium	39-2	10342.02	10470.14	10539.60	10450.59	0.96	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				101		%
Scandium	45-2				99		%
Selenium	82-1	0.86	1.29	1.45	1.20	25.29	ppb
Selenium	77-2	17.11	17.64	13.39	16.05	14.41	ppb
Selenium	78-2	4.43	2.29	1.82	2.84	48.95	ppb
Silicon	28-1	2289.14	2305.32	2304.80	2299.76	0.40	ppb
Silver	107-1	0.35	0.39	0.37	0.37	5.36	ppb
Silver	109-1	0.35	0.38	0.38	0.37	5.25	ppb
Sodium	23-2	277.34	281.46	285.54	281.45	1.46	ppb
Strontium	86-1	91.06	92.15	94.69	92.64	2.01	ppb
Strontium	88-1	95.11	97.76	99.77	97.55	2.39	ppb
Sulfur	34-1	-2060.40	-2203.25	-2307.57	-2190.41		ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	0.36	0.37	0.40	0.38	4.65	ppb
Thallium	205-1	0.35	0.37	0.37	0.36	2.99	ppb
Tin	118-1	1.62	1.76	1.71	1.69	4.16	ppb
Titanium	47-1	956.64	968.53	979.27	968.14	1.17	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-11	Instrumnet Name :	P7
Client Sample ID :	MYE480	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:15:50	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.96	0.97	1.00	0.98	2.49	ppb
Vanadium	51-2	162.51	162.78	163.03	162.77	0.16	ppb
Yttrium	89-1				103		%
Yttrium	89-2				105		%
Zinc	66-2	209.58	212.93	216.09	212.87	1.53	ppb
Zirconium	90-1	10.84	11.07	11.33	11.08	2.21	ppb
Zirconium	91-1	10.80	11.01	11.20	11.00	1.82	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-15	Instrumnet Name :	P7
Client Sample ID :	MYE482	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:19:02	DataFile Name :	092SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	24037.56	23719.08	23927.92	23894.85	0.68	ppb
Antimony	121-1	1.34	1.42	1.44	1.40	3.69	ppb
Arsenic	75-2	47.89	48.65	47.44	48.00	1.28	ppb
Barium	135-1	384.16	391.23	395.19	390.19	1.43	ppb
Barium	137-1	378.41	391.60	395.31	388.44	2.29	ppb
Beryllium	9-1	0.96	1.04	0.90	0.97	7.33	ppb
Bismuth	209-1				105		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.66	0.98	0.91	0.85	19.67	ppb
Cadmium	106-1	-0.28	0.73	-0.36	0.03	2075.59	ppb
Cadmium	111-1	0.47	0.61	0.52	0.53	13.30	ppb
Calcium	43-1	31143.84	32654.96	32536.83	32111.88	2.62	ppb
Calcium	44-1	30019.58	31305.37	31227.01	30850.65	2.34	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	60.80	61.17	61.24	61.07	0.39	ppb
Cobalt	59-2	26.76	27.00	26.82	26.86	0.46	ppb
Copper	63-2	89.63	89.40	88.46	89.16	0.69	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				101		%
Indium	115-1				97		%
Indium	115-2				97		%
Iron	56-2	61063.96	61756.11	61437.30	61419.12	0.56	ppb
Iron	57-2	60397.90	60293.70	59964.75	60218.78	0.38	ppb
Iron	54-2	61403.10	60764.85	60459.94	60875.97	0.79	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-15	Instrumnet Name :	P7
Client Sample ID :	MYE482	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:19:02	DataFile Name :	092SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	25.93	26.82	27.30	26.68	2.61	ppb
Lead	207-1	24.90	25.21	25.92	25.34	2.06	ppb
Lead	208-1	25.17	25.59	26.34	25.70	2.30	ppb
Lithium	6-1				95		%
Magnesium	24-2	12682.69	12882.91	12813.50	12793.03	0.79	ppb
Manganese	55-2	2838.88	2839.40	2844.64	2840.97	0.11	ppb
Molybdenum	94-1	13.62	14.54	14.32	14.16	3.42	ppb
Molybdenum	95-1	1.05	1.03	1.10	1.06	3.35	ppb
Molybdenum	96-1	2.69	2.85	2.82	2.78	3.13	ppb
Molybdenum	97-1	0.88	1.10	1.10	1.03	12.39	ppb
Molybdenum	98-1	1.00	1.01	1.10	1.04	5.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	84.69	84.26	85.07	84.67	0.48	ppb
Phosphorus	31-2	1767.85	1794.04	1772.98	1778.29	0.78	ppb
Potassium	39-2	5319.24	5256.20	5211.95	5262.46	1.02	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				97		%
Scandium	45-2				96		%
Selenium	82-1	0.83	0.69	0.00	0.51	88.01	ppb
Selenium	77-2	10.94	8.40	10.32	9.88	13.39	ppb
Selenium	78-2	1.39	3.29	-0.25	1.48	119.87	ppb
Silicon	28-1	1447.72	1465.26	1509.70	1474.23	2.17	ppb
Silver	107-1	0.14	0.14	0.16	0.15	7.58	ppb
Silver	109-1	0.15	0.16	0.16	0.16	2.13	ppb
Sodium	23-2	519.30	521.85	518.87	520.01	0.31	ppb
Strontium	86-1	107.41	111.62	112.64	110.55	2.51	ppb
Strontium	88-1	114.19	117.58	117.64	116.47	1.69	ppb
Sulfur	34-1	-1565.06	-1241.31	-1045.26	-1283.88		ppb
Terbium	159-1				100		%
Terbium	159-2				99		%
Thallium	203-1	0.24	0.26	0.25	0.25	4.32	ppb
Thallium	205-1	0.24	0.24	0.26	0.25	5.13	ppb
Tin	118-1	1.61	1.87	1.71	1.73	7.48	ppb
Titanium	47-1	917.39	952.55	968.45	946.13	2.76	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-15	Instrumnet Name :	P7
Client Sample ID :	MYE482	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:19:02	DataFile Name :	092SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.62	0.64	0.67	0.64	3.58	ppb
Vanadium	51-2	114.37	114.51	113.30	114.06	0.58	ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	179.85	178.63	178.70	179.06	0.38	ppb
Zirconium	90-1	7.85	8.24	8.15	8.08	2.53	ppb
Zirconium	91-1	7.60	8.02	8.38	8.00	4.88	ppb

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-16	Instrumnet Name :	P7
Client Sample ID :	MYE483	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:22:11	DataFile Name :	093SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	45194.23	45297.77	44470.25	44987.42	1.00	ppb
Antimony	121-1	3.00	3.14	3.23	3.12	3.79	ppb
Arsenic	75-2	224.97	222.08	220.16	222.40	1.09	ppb
Barium	135-1	958.33	991.85	1017.68	989.29	3.01	ppb
Barium	137-1	1043.45	1081.60	1095.28	1073.44	2.50	ppb
Beryllium	9-1	1.99	1.74	1.67	1.80	9.36	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.28	2.68	3.27	3.08	11.28	ppb
Cadmium	106-1	2.16	3.17	3.81	3.05	27.30	ppb
Cadmium	111-1	2.11	2.17	2.34	2.21	5.52	ppb
Calcium	43-1	27288.11	27877.31	27907.79	27691.07	1.26	ppb
Calcium	44-1	26537.28	26970.11	26939.32	26815.57	0.90	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	111.48	111.52	110.74	111.25	0.39	ppb
Cobalt	59-2	61.32	61.26	61.51	61.36	0.21	ppb
Copper	63-2	303.27	302.88	301.24	302.46	0.36	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				102		%
Indium	115-1				98		%
Indium	115-2				97		%
Iron	56-2	142421.13	144233.20	143997.77	143550.70	0.69	ppb
Iron	57-2	141299.01	141962.47	142311.91	141857.80	0.36	ppb
Iron	54-2	142339.48	142065.59	142368.38	142257.82	0.12	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-16	Instrumnet Name :	P7
Client Sample ID :	MYE483	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:22:11	DataFile Name :	093SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	87.76	90.71	90.78	89.75	1.92	ppb
Lead	207-1	86.91	88.58	87.99	87.83	0.96	ppb
Lead	208-1	86.36	88.52	88.73	87.87	1.50	ppb
Lithium	6-1				93		%
Magnesium	24-2	24778.65	24789.00	24555.22	24707.62	0.53	ppb
Manganese	55-2	7078.27	7010.00	7060.24	7049.50	0.50	ppb
Molybdenum	94-1	25.97	26.85	26.96	26.59	2.04	ppb
Molybdenum	95-1	1.68	1.62	1.67	1.66	2.19	ppb
Molybdenum	96-1	4.69	5.11	5.03	4.94	4.44	ppb
Molybdenum	97-1	1.49	1.61	1.64	1.58	5.01	ppb
Molybdenum	98-1	1.55	1.46	1.58	1.53	3.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	106.55	107.04	107.72	107.10	0.55	ppb
Phosphorus	31-2	2199.10	2226.19	2281.91	2235.73	1.89	ppb
Potassium	39-2	8265.81	8426.59	8263.45	8318.62	1.12	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	1.14	1.11	1.00	1.08	7.15	ppb
Selenium	77-2	15.41	19.21	16.41	17.01	11.57	ppb
Selenium	78-2	1.52	1.69	1.82	1.67	9.02	ppb
Silicon	28-1	1435.71	1475.54	1465.20	1458.81	1.42	ppb
Silver	107-1	0.53	0.59	0.55	0.56	5.15	ppb
Silver	109-1	0.53	0.55	0.54	0.54	2.37	ppb
Sodium	23-2	214.40	215.75	213.81	214.65	0.46	ppb
Strontium	86-1	78.62	80.63	81.59	80.28	1.89	ppb
Strontium	88-1	79.37	81.14	82.58	81.03	1.98	ppb
Sulfur	34-1	-1928.47	-2001.05	-2053.88	-1994.47		ppb
Terbium	159-1				102		%
Terbium	159-2				100		%
Thallium	203-1	0.44	0.49	0.49	0.47	6.73	ppb
Thallium	205-1	0.44	0.46	0.45	0.45	2.32	ppb
Tin	118-1	1.97	2.02	2.07	2.02	2.44	ppb
Titanium	47-1	875.15	893.21	892.20	886.85	1.14	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-16	Instrumnet Name :	P7
Client Sample ID :	MYE483	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:22:11	DataFile Name :	093SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.81	0.86	0.84	0.84	3.08	ppb
Vanadium	51-2	252.22	252.12	249.69	251.34	0.57	ppb
Yttrium	89-1				104		%
Yttrium	89-2				106		%
Zinc	66-2	304.23	305.72	303.34	304.43	0.40	ppb
Zirconium	90-1	15.05	15.40	15.65	15.37	1.95	ppb
Zirconium	91-1	14.97	15.47	15.52	15.32	1.98	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-17	Instrumnet Name :	P7
Client Sample ID :	MYE484	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:25:21	DataFile Name :	094SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	57395.51	57456.97	57365.11	57405.86	0.08	ppb
Antimony	121-1	1.52	1.59	1.60	1.57	2.73	ppb
Arsenic	75-2	69.37	69.42	69.74	69.51	0.29	ppb
Barium	135-1	284.66	299.27	294.81	292.91	2.56	ppb
Barium	137-1	285.36	300.04	294.10	293.17	2.52	ppb
Beryllium	9-1	0.79	0.90	0.90	0.87	7.31	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.36	2.77	3.23	2.79	15.54	ppb
Cadmium	106-1	1.56	1.54	1.42	1.50	5.15	ppb
Cadmium	111-1	0.41	0.43	0.43	0.42	3.18	ppb
Calcium	43-1	44377.35	45090.77	46463.35	45310.49	2.34	ppb
Calcium	44-1	43216.85	43640.72	44919.48	43925.68	2.02	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	250.58	252.35	254.50	252.48	0.78	ppb
Cobalt	59-2	113.45	113.86	114.68	114.00	0.55	ppb
Copper	63-2	313.14	316.63	318.09	315.95	0.80	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				101		%
Indium	115-1				97		%
Indium	115-2				96		%
Iron	56-2	118379.60	117327.35	118413.24	118040.06	0.52	ppb
Iron	57-2	115359.32	115182.89	116041.10	115527.77	0.39	ppb
Iron	54-2	115959.92	117068.84	117172.06	116733.61	0.58	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-17	Instrumnet Name :	P7
Client Sample ID :	MYE484	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:25:21	DataFile Name :	094SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	14.17	15.13	15.22	14.84	3.93	ppb
Lead	207-1	13.89	14.49	14.84	14.41	3.35	ppb
Lead	208-1	13.89	14.67	14.78	14.45	3.35	ppb
Lithium	6-1				91		%
Magnesium	24-2	43223.43	43221.20	44193.90	43546.17	1.29	ppb
Manganese	55-2	2542.00	2487.30	2523.36	2517.55	1.10	ppb
Molybdenum	94-1	20.82	21.72	23.33	21.96	5.79	ppb
Molybdenum	95-1	0.84	0.84	0.82	0.83	1.35	ppb
Molybdenum	96-1	3.58	3.74	3.82	3.71	3.33	ppb
Molybdenum	97-1	0.79	0.90	0.77	0.82	8.76	ppb
Molybdenum	98-1	0.73	0.79	0.81	0.78	5.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	209.21	206.00	210.85	208.69	1.18	ppb
Phosphorus	31-2	1581.10	1618.30	1581.01	1593.47	1.35	ppb
Potassium	39-2	3363.57	3368.59	3406.97	3379.71	0.70	ppb
Rhodium	103-1				96		%
Rhodium	103-2				95		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	1.26	1.21	0.98	1.15	13.23	ppb
Selenium	77-2	6.40	7.84	8.69	7.64	15.15	ppb
Selenium	78-2	2.48	1.32	0.65	1.48	62.40	ppb
Silicon	28-1	1798.84	1856.67	1899.79	1851.77	2.74	ppb
Silver	107-1	0.18	0.17	0.18	0.18	4.42	ppb
Silver	109-1	0.14	0.16	0.17	0.16	11.87	ppb
Sodium	23-2	913.14	924.19	934.00	923.78	1.13	ppb
Strontium	86-1	256.39	266.87	267.61	263.62	2.38	ppb
Strontium	88-1	270.96	280.24	283.62	278.27	2.36	ppb
Sulfur	34-1	-2148.10	-2182.67	-1968.21	-2099.66		ppb
Terbium	159-1				101		%
Terbium	159-2				99		%
Thallium	203-1	0.13	0.11	0.12	0.12	5.60	ppb
Thallium	205-1	0.12	0.12	0.13	0.12	5.65	ppb
Tin	118-1	1.33	1.29	1.33	1.32	1.67	ppb
Titanium	47-1	1624.37	1682.18	1728.34	1678.30	3.10	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-17	Instrumnet Name :	P7
Client Sample ID :	MYE484	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:25:21	DataFile Name :	094SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.58	0.58	0.59	0.59	1.08	ppb
Vanadium	51-2	254.91	256.48	257.31	256.23	0.48	ppb
Yttrium	89-1				102		%
Yttrium	89-2				103		%
Zinc	66-2	151.37	151.36	153.05	151.93	0.64	ppb
Zirconium	90-1	12.39	12.76	12.68	12.61	1.56	ppb
Zirconium	91-1	12.12	12.79	12.69	12.53	2.89	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-18	Instrumnet Name :	P7
Client Sample ID :	MYE485	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:28:29	DataFile Name :	095SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	38399.49	39053.85	38916.67	38790.00	0.89	ppb
Antimony	121-1	1.58	1.49	1.49	1.52	3.61	ppb
Arsenic	75-2	116.88	115.10	114.07	115.35	1.23	ppb
Barium	135-1	645.80	628.23	640.56	638.20	1.41	ppb
Barium	137-1	641.26	626.41	632.79	633.49	1.18	ppb
Beryllium	9-1	1.23	1.27	1.29	1.26	2.80	ppb
Bismuth	209-1				102		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.66	2.58	2.38	2.54	5.63	ppb
Cadmium	106-1	4.42	3.27	3.72	3.81	15.25	ppb
Cadmium	111-1	0.71	0.67	0.70	0.69	2.60	ppb
Calcium	43-1	89366.06	87475.60	87694.56	88178.74	1.17	ppb
Calcium	44-1	89081.07	87645.59	89726.21	88817.62	1.20	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	106.65	107.72	106.50	106.95	0.62	ppb
Cobalt	59-2	41.40	42.40	42.09	41.97	1.22	ppb
Copper	63-2	120.69	121.61	120.78	121.02	0.42	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				102		%
Indium	115-1				96		%
Indium	115-2				97		%
Iron	56-2	88520.72	89135.80	88819.22	88825.25	0.35	ppb
Iron	57-2	87439.25	88568.30	88160.87	88056.14	0.65	ppb
Iron	54-2	88181.24	88261.43	87345.23	87929.30	0.58	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-18	Instrumnet Name :	P7
Client Sample ID :	MYE485	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:28:29	DataFile Name :	095SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	22.16	21.69	21.61	21.82	1.35	ppb
Lead	207-1	20.92	20.04	20.39	20.45	2.15	ppb
Lead	208-1	21.29	20.68	20.70	20.89	1.68	ppb
Lithium	6-1				90		%
Magnesium	24-2	38687.56	39054.33	38945.66	38895.85	0.48	ppb
Manganese	55-2	1958.31	1992.22	1958.03	1969.52	1.00	ppb
Molybdenum	94-1	43.56	44.01	43.23	43.60	0.90	ppb
Molybdenum	95-1	0.95	0.98	0.96	0.97	1.39	ppb
Molybdenum	96-1	6.06	5.97	5.75	5.93	2.69	ppb
Molybdenum	97-1	0.99	0.96	0.94	0.96	2.26	ppb
Molybdenum	98-1	0.94	0.93	0.90	0.92	2.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	121.62	121.93	120.83	121.46	0.47	ppb
Phosphorus	31-2	2434.33	2479.16	2418.60	2444.03	1.29	ppb
Potassium	39-2	4566.22	4636.77	4664.68	4622.56	1.10	ppb
Rhodium	103-1				93		%
Rhodium	103-2				96		%
Scandium	45-1				98		%
Scandium	45-2				100		%
Selenium	82-1	1.51	0.18	0.96	0.88	75.78	ppb
Selenium	77-2	11.52	14.80	11.67	12.66	14.66	ppb
Selenium	78-2	3.18	1.28	1.00	1.82	65.11	ppb
Silicon	28-1	1787.49	1727.32	1757.18	1757.33	1.71	ppb
Silver	107-1	0.17	0.16	0.16	0.16	2.61	ppb
Silver	109-1	0.13	0.14	0.14	0.14	5.15	ppb
Sodium	23-2	931.06	942.08	951.18	941.44	1.07	ppb
Strontium	86-1	262.41	261.58	258.91	260.96	0.70	ppb
Strontium	88-1	273.95	275.05	272.97	273.99	0.38	ppb
Sulfur	34-1	-477.24	-795.21	-681.58	-651.34		ppb
Terbium	159-1				99		%
Terbium	159-2				100		%
Thallium	203-1	0.23	0.22	0.23	0.22	3.74	ppb
Thallium	205-1	0.21	0.22	0.20	0.21	5.44	ppb
Tin	118-1	1.97	2.02	2.00	2.00	1.37	ppb
Titanium	47-1	1450.35	1413.39	1438.94	1434.23	1.32	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-18	Instrumnet Name :	P7
Client Sample ID :	MYE485	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:28:29	DataFile Name :	095SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.93	0.94	0.92	0.93	1.30	ppb
Vanadium	51-2	173.71	173.79	174.02	173.84	0.09	ppb
Yttrium	89-1				100		%
Yttrium	89-2				104		%
Zinc	66-2	163.14	165.14	163.36	163.88	0.67	ppb
Zirconium	90-1	25.89	25.81	25.87	25.86	0.17	ppb
Zirconium	91-1	25.57	26.19	25.52	25.76	1.44	ppb

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-19	Instrumnet Name :	P7
Client Sample ID :	MYE486	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:31:40	DataFile Name :	096SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47619.39	47289.46	47158.77	47355.88	0.50	ppb
Antimony	121-1	1.88	1.99	1.94	1.93	2.71	ppb
Arsenic	75-2	124.42	125.31	125.80	125.18	0.56	ppb
Barium	135-1	548.24	564.19	560.18	557.54	1.49	ppb
Barium	137-1	555.41	565.14	554.12	558.22	1.08	ppb
Beryllium	9-1	1.76	1.99	2.00	1.92	6.96	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.28	2.57	2.20	2.35	8.38	ppb
Cadmium	106-1	2.16	1.19	1.72	1.69	28.63	ppb
Cadmium	111-1	0.77	0.69	0.85	0.77	10.27	ppb
Calcium	43-1	49365.75	51142.40	49569.42	50025.86	1.94	ppb
Calcium	44-1	48489.43	49416.38	48915.27	48940.36	0.95	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	104.45	104.47	105.47	104.80	0.56	ppb
Cobalt	59-2	47.09	47.22	47.59	47.30	0.55	ppb
Copper	63-2	156.48	156.38	157.16	156.67	0.27	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				102		%
Indium	115-1				97		%
Indium	115-2				97		%
Iron	56-2	129599.10	127988.93	130241.59	129276.54	0.90	ppb
Iron	57-2	127881.76	127737.10	129466.56	128361.81	0.75	ppb
Iron	54-2	129963.72	128380.81	129163.85	129169.46	0.61	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-19	Instrumnet Name :	P7
Client Sample ID :	MYE486	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:31:40	DataFile Name :	096SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	45.48	46.66	46.90	46.35	1.64	ppb
Lead	207-1	43.91	45.00	45.21	44.71	1.56	ppb
Lead	208-1	44.14	45.47	45.57	45.06	1.77	ppb
Lithium	6-1				87		%
Magnesium	24-2	21710.15	21861.11	21931.30	21834.19	0.52	ppb
Manganese	55-2	3681.79	3705.94	3729.98	3705.90	0.65	ppb
Molybdenum	94-1	29.61	30.75	30.18	30.18	1.88	ppb
Molybdenum	95-1	1.38	1.37	1.36	1.37	0.79	ppb
Molybdenum	96-1	5.02	5.12	5.13	5.09	1.14	ppb
Molybdenum	97-1	1.28	1.30	1.29	1.29	0.56	ppb
Molybdenum	98-1	1.26	1.27	1.23	1.25	1.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	103.99	102.11	102.30	102.80	1.01	ppb
Phosphorus	31-2	1719.95	1757.39	1725.44	1734.26	1.17	ppb
Potassium	39-2	7512.86	7638.60	7634.63	7595.37	0.94	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				101		%
Scandium	45-2				102		%
Selenium	82-1	1.64	0.99	0.82	1.15	37.74	ppb
Selenium	77-2	18.19	12.82	15.76	15.59	17.25	ppb
Selenium	78-2	2.45	2.32	1.30	2.02	30.97	ppb
Silicon	28-1	1823.57	1872.80	1854.03	1850.13	1.34	ppb
Silver	107-1	0.23	0.23	0.22	0.23	3.00	ppb
Silver	109-1	0.20	0.21	0.20	0.20	2.70	ppb
Sodium	23-2	346.83	346.79	352.53	348.72	0.95	ppb
Strontium	86-1	103.06	107.29	106.01	105.45	2.05	ppb
Strontium	88-1	109.51	113.11	112.19	111.60	1.68	ppb
Sulfur	34-1	-1098.09	-1233.30	-1484.86	-1272.08		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.37	0.45	0.40	0.41	8.65	ppb
Thallium	205-1	0.37	0.43	0.42	0.41	8.02	ppb
Tin	118-1	3.50	3.60	3.54	3.55	1.39	ppb
Titanium	47-1	1075.66	1113.81	1090.13	1093.20	1.76	ppb

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-19	Instrumnet Name :	P7
Client Sample ID :	MYE486	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:31:40	DataFile Name :	096SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.85	0.85	0.85	0.85	0.33	ppb
Vanadium	51-2	222.26	219.66	221.63	221.18	0.61	ppb
Yttrium	89-1				102		%
Yttrium	89-2				105		%
Zinc	66-2	225.66	224.07	226.67	225.47	0.58	ppb
Zirconium	90-1	17.35	17.85	17.93	17.71	1.76	ppb
Zirconium	91-1	17.14	18.11	17.71	17.65	2.76	ppb

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-20	Instrumnet Name :	P7
Client Sample ID :	MYE487	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:34:49	DataFile Name :	097SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	58014.60	58000.98	57708.30	57907.96	0.30	ppb
Antimony	121-1	1.24	1.21	1.28	1.24	2.92	ppb
Arsenic	75-2	96.92	100.57	97.97	98.49	1.91	ppb
Barium	135-1	625.84	637.28	639.84	634.32	1.17	ppb
Barium	137-1	674.34	682.73	688.11	681.73	1.02	ppb
Beryllium	9-1	1.97	1.92	1.87	1.92	2.85	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.28	2.30	2.31	2.29	0.73	ppb
Cadmium	106-1	2.87	1.99	2.36	2.41	18.53	ppb
Cadmium	111-1	1.14	1.08	1.16	1.13	3.52	ppb
Calcium	43-1	20718.44	20752.59	21171.78	20880.94	1.21	ppb
Calcium	44-1	19868.28	20016.93	20774.43	20219.88	2.40	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	112.96	112.95	112.62	112.84	0.17	ppb
Cobalt	59-2	52.25	52.62	51.25	52.04	1.37	ppb
Copper	63-2	191.82	192.14	187.65	190.54	1.31	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				102		%
Indium	115-1				98		%
Indium	115-2				97		%
Iron	56-2	103787.59	103572.55	103205.97	103522.04	0.28	ppb
Iron	57-2	102494.84	101787.57	101619.29	101967.23	0.46	ppb
Iron	54-2	104083.62	104650.97	102487.74	103740.78	1.08	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-20	Instrumnet Name :	P7
Client Sample ID :	MYE487	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:34:49	DataFile Name :	097SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	44.26	44.87	45.57	44.90	1.46	ppb
Lead	207-1	42.37	42.35	43.31	42.68	1.29	ppb
Lead	208-1	42.70	43.04	44.03	43.26	1.60	ppb
Lithium	6-1				91		%
Magnesium	24-2	23701.40	23838.81	23805.49	23781.90	0.30	ppb
Manganese	55-2	3632.90	3569.82	3562.37	3588.36	1.08	ppb
Molybdenum	94-1	23.40	24.05	24.11	23.85	1.65	ppb
Molybdenum	95-1	1.75	1.87	1.88	1.83	3.86	ppb
Molybdenum	96-1	4.46	4.88	4.69	4.68	4.55	ppb
Molybdenum	97-1	1.74	1.79	1.87	1.80	3.83	ppb
Molybdenum	98-1	1.66	1.67	1.77	1.70	3.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	94.40	93.12	92.72	93.42	0.94	ppb
Phosphorus	31-2	2515.37	2507.13	2539.15	2520.55	0.66	ppb
Potassium	39-2	12913.96	12814.71	12723.63	12817.43	0.74	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	0.73	0.47	1.61	0.94	63.65	ppb
Selenium	77-2	19.79	17.42	21.19	19.47	9.77	ppb
Selenium	78-2	4.65	2.82	1.82	3.10	46.41	ppb
Silicon	28-1	2017.48	2037.57	2065.47	2040.17	1.18	ppb
Silver	107-1	0.41	0.40	0.39	0.40	2.55	ppb
Silver	109-1	0.36	0.42	0.41	0.40	7.87	ppb
Sodium	23-2	294.48	294.67	292.34	293.83	0.44	ppb
Strontium	86-1	101.12	103.64	105.80	103.52	2.26	ppb
Strontium	88-1	108.70	110.42	109.34	109.49	0.79	ppb
Sulfur	34-1	-2038.60	-2292.54	-2241.85	-2191.00		ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	0.43	0.43	0.42	0.43	1.06	ppb
Thallium	205-1	0.41	0.42	0.41	0.42	1.48	ppb
Tin	118-1	2.94	3.02	2.98	2.98	1.39	ppb
Titanium	47-1	1153.99	1156.65	1184.22	1164.96	1.44	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-20	Instrumnet Name :	P7
Client Sample ID :	MYE487	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:34:49	DataFile Name :	097SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.18	1.19	1.22	1.20	1.85	ppb
Vanadium	51-2	182.86	182.11	180.68	181.89	0.61	ppb
Yttrium	89-1				105		%
Yttrium	89-2				106		%
Zinc	66-2	244.84	243.14	241.19	243.05	0.75	ppb
Zirconium	90-1	13.39	13.70	13.96	13.68	2.09	ppb
Zirconium	91-1	13.07	13.52	13.60	13.40	2.12	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-21	Instrumnet Name :	P7
Client Sample ID :	MYE488	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:38:00	DataFile Name :	098SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	41821.84	41059.61	41622.73	41501.40	0.95	ppb
Antimony	121-1	2.21	2.25	2.17	2.21	1.68	ppb
Arsenic	75-2	96.45	96.33	93.76	95.51	1.59	ppb
Barium	135-1	458.88	470.68	465.95	465.17	1.28	ppb
Barium	137-1	461.60	468.85	464.20	464.88	0.79	ppb
Beryllium	9-1	1.56	1.59	1.51	1.55	2.62	ppb
Bismuth	209-1				106		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.72	2.25	2.25	2.41	11.28	ppb
Cadmium	106-1	2.95	1.80	2.17	2.30	25.49	ppb
Cadmium	111-1	1.89	1.95	1.85	1.89	2.67	ppb
Calcium	43-1	22635.48	23842.70	23822.60	23433.59	2.95	ppb
Calcium	44-1	22058.55	22885.68	22385.88	22443.37	1.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	91.41	91.32	90.08	90.94	0.82	ppb
Cobalt	59-2	40.45	40.08	40.66	40.40	0.73	ppb
Copper	63-2	280.52	278.08	279.77	279.46	0.45	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				105		%
Indium	115-1				99		%
Indium	115-2				98		%
Iron	56-2	83041.00	82923.66	82839.59	82934.75	0.12	ppb
Iron	57-2	82738.58	82131.22	82105.82	82325.21	0.44	ppb
Iron	54-2	82931.22	82580.07	83246.38	82919.22	0.40	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-21	Instrumnet Name :	P7
Client Sample ID :	MYE488	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:38:00	DataFile Name :	098SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	67.88	68.53	69.59	68.66	1.25	ppb
Lead	207-1	65.57	66.99	67.56	66.71	1.53	ppb
Lead	208-1	66.27	67.04	67.63	66.98	1.01	ppb
Lithium	6-1				94		%
Magnesium	24-2	19534.47	19494.35	19500.68	19509.83	0.11	ppb
Manganese	55-2	2568.81	2586.15	2593.37	2582.78	0.49	ppb
Molybdenum	94-1	19.11	20.16	20.34	19.87	3.35	ppb
Molybdenum	95-1	2.45	2.60	2.61	2.55	3.40	ppb
Molybdenum	96-1	4.70	4.68	4.82	4.73	1.67	ppb
Molybdenum	97-1	2.46	2.46	2.61	2.51	3.40	ppb
Molybdenum	98-1	2.39	2.41	2.51	2.44	2.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	79.30	80.35	78.94	79.53	0.92	ppb
Phosphorus	31-2	2709.87	2765.81	2843.57	2773.08	2.42	ppb
Potassium	39-2	13002.82	13018.22	13076.58	13032.54	0.30	ppb
Rhodium	103-1				96		%
Rhodium	103-2				98		%
Scandium	45-1				102		%
Scandium	45-2				100		%
Selenium	82-1	1.27	1.60	0.61	1.16	43.66	ppb
Selenium	77-2	10.83	11.29	13.14	11.75	10.39	ppb
Selenium	78-2	1.17	4.50	0.20	1.96	115.12	ppb
Silicon	28-1	1829.32	1883.92	1864.87	1859.37	1.49	ppb
Silver	107-1	0.78	0.80	0.83	0.80	3.15	ppb
Silver	109-1	0.74	0.76	0.76	0.75	1.54	ppb
Sodium	23-2	303.66	310.55	308.59	307.60	1.15	ppb
Strontium	86-1	156.03	157.03	159.44	157.50	1.11	ppb
Strontium	88-1	163.43	164.40	166.60	164.81	0.99	ppb
Sulfur	34-1	-1922.66	-1809.59	-1784.52	-1838.93		ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	0.35	0.32	0.35	0.34	4.59	ppb
Thallium	205-1	0.34	0.35	0.34	0.34	2.07	ppb
Tin	118-1	2.11	2.17	2.11	2.13	1.55	ppb
Titanium	47-1	932.95	972.38	969.98	958.44	2.31	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-21	Instrumnet Name :	P7
Client Sample ID :	MYE488	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:38:00	DataFile Name :	098SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.92	0.95	0.96	0.94	2.33	ppb
Vanadium	51-2	151.36	149.35	151.27	150.66	0.75	ppb
Yttrium	89-1				103		%
Yttrium	89-2				105		%
Zinc	66-2	274.94	271.85	272.88	273.23	0.58	ppb
Zirconium	90-1	10.64	10.81	11.01	10.82	1.68	ppb
Zirconium	91-1	10.73	10.80	10.89	10.81	0.71	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-22	Instrumnet Name :	P7
Client Sample ID :	MYE489	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:41:09	DataFile Name :	099SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	41909.90	41896.33	42462.67	42089.64	0.77	ppb
Antimony	121-1	1.75	1.95	1.91	1.87	5.44	ppb
Arsenic	75-2	98.28	99.29	100.27	99.28	1.00	ppb
Barium	135-1	460.57	502.50	474.89	479.32	4.45	ppb
Barium	137-1	458.73	497.46	474.44	476.87	4.09	ppb
Beryllium	9-1	1.65	1.65	1.41	1.57	8.90	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.33	2.22	2.58	2.38	7.59	ppb
Cadmium	106-1	1.42	2.27	1.79	1.83	23.35	ppb
Cadmium	111-1	1.77	2.20	1.91	1.96	11.33	ppb
Calcium	43-1	23969.68	25544.20	24939.74	24817.87	3.20	ppb
Calcium	44-1	23492.47	24822.24	23850.53	24055.08	2.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	91.93	92.35	92.60	92.29	0.37	ppb
Cobalt	59-2	44.49	44.62	44.82	44.64	0.37	ppb
Copper	63-2	293.51	297.41	297.32	296.08	0.75	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				103		%
Indium	115-1				97		%
Indium	115-2				98		%
Iron	56-2	86230.10	86880.05	87784.11	86964.75	0.90	ppb
Iron	57-2	84407.41	85818.91	85452.80	85226.37	0.86	ppb
Iron	54-2	85128.39	87005.06	87612.61	86582.02	1.50	ppb
Krypton	83-1						cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-22	Instrumnet Name :	P7
Client Sample ID :	MYE489	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:41:09	DataFile Name :	099SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	68.94	73.01	69.93	70.62	3.00	ppb
Lead	207-1	67.21	71.53	67.68	68.81	3.44	ppb
Lead	208-1	67.72	71.71	68.29	69.24	3.11	ppb
Lithium	6-1				91		%
Magnesium	24-2	20004.81	20090.99	20358.43	20151.41	0.92	ppb
Manganese	55-2	2556.84	2574.39	2596.51	2575.91	0.77	ppb
Molybdenum	94-1	16.21	17.08	16.46	16.59	2.70	ppb
Molybdenum	95-1	2.45	2.70	2.55	2.57	4.98	ppb
Molybdenum	96-1	4.45	4.72	4.57	4.58	2.97	ppb
Molybdenum	97-1	2.32	2.64	2.56	2.51	6.61	ppb
Molybdenum	98-1	2.39	2.51	2.50	2.46	2.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	83.56	84.41	84.82	84.26	0.76	ppb
Phosphorus	31-2	2947.70	3010.36	2972.68	2976.91	1.06	ppb
Potassium	39-2	13359.15	13202.11	13355.30	13305.52	0.67	ppb
Rhodium	103-1				94		%
Rhodium	103-2				97		%
Scandium	45-1				100		%
Scandium	45-2				99		%
Selenium	82-1	0.93	1.70	1.22	1.28	30.23	ppb
Selenium	77-2	12.60	15.01	12.54	13.38	10.53	ppb
Selenium	78-2	5.22	2.00	3.12	3.44	47.46	ppb
Silicon	28-1	1997.44	2135.74	2046.02	2059.73	3.41	ppb
Silver	107-1	0.80	0.86	0.87	0.85	4.75	ppb
Silver	109-1	0.85	0.94	0.85	0.88	6.25	ppb
Sodium	23-2	344.71	346.09	350.19	347.00	0.82	ppb
Strontium	86-1	155.98	168.14	161.02	161.71	3.78	ppb
Strontium	88-1	168.57	176.78	171.89	172.41	2.40	ppb
Sulfur	34-1	-1762.96	-1524.47	-1781.36	-1689.60		ppb
Terbium	159-1				100		%
Terbium	159-2				101		%
Thallium	203-1	0.34	0.39	0.34	0.36	7.59	ppb
Thallium	205-1	0.34	0.36	0.36	0.35	3.28	ppb
Tin	118-1	2.22	2.44	2.28	2.31	4.99	ppb
Titanium	47-1	945.45	1005.92	965.68	972.35	3.17	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-22	Instrumnet Name :	P7
Client Sample ID :	MYE489	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:41:09	DataFile Name :	099SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.90	0.99	0.96	0.95	4.80	ppb
Vanadium	51-2	155.78	156.57	157.64	156.66	0.60	ppb
Yttrium	89-1				101		%
Yttrium	89-2				104		%
Zinc	66-2	283.79	286.26	285.21	285.09	0.44	ppb
Zirconium	90-1	8.52	9.30	8.93	8.92	4.38	ppb
Zirconium	91-1	8.63	8.97	8.92	8.84	2.07	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-01	Instrumnet Name :	P7
Client Sample ID :	MYE490	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:44:19	DataFile Name :	100SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	45962.92	45751.65	46071.03	45928.53	0.35	ppb
Antimony	121-1	2.46	2.44	2.43	2.44	0.52	ppb
Arsenic	75-2	111.63	110.71	110.67	111.00	0.49	ppb
Barium	135-1	492.83	492.17	501.01	495.33	0.99	ppb
Barium	137-1	487.95	492.53	495.77	492.09	0.80	ppb
Beryllium	9-1	1.71	1.83	1.66	1.73	4.86	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.52	2.23	2.28	2.34	6.76	ppb
Cadmium	106-1	1.75	2.65	2.12	2.18	20.82	ppb
Cadmium	111-1	1.87	2.08	1.93	1.96	5.66	ppb
Calcium	43-1	28781.08	29732.79	29374.21	29296.03	1.64	ppb
Calcium	44-1	27910.38	28497.76	28516.09	28308.08	1.22	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	100.06	100.71	101.14	100.64	0.54	ppb
Cobalt	59-2	45.44	45.94	45.78	45.72	0.56	ppb
Copper	63-2	311.05	311.90	312.78	311.91	0.28	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				102		%
Indium	115-1				97		%
Indium	115-2				97		%
Iron	56-2	92199.97	92494.24	92669.85	92454.69	0.26	ppb
Iron	57-2	90867.74	91124.99	90855.47	90949.40	0.17	ppb
Iron	54-2	91558.99	91539.43	92607.89	91902.10	0.67	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-01	Instrumnet Name :	P7
Client Sample ID :	MYE490	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:44:19	DataFile Name :	100SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	71.25	73.76	72.41	72.47	1.73	ppb
Lead	207-1	68.16	71.18	70.19	69.84	2.20	ppb
Lead	208-1	69.60	71.79	70.67	70.69	1.55	ppb
Lithium	6-1				92		%
Magnesium	24-2	21045.67	20831.06	21243.17	21039.96	0.98	ppb
Manganese	55-2	2627.60	2649.38	2644.51	2640.50	0.43	ppb
Molybdenum	94-1	24.71	24.99	25.69	25.13	2.02	ppb
Molybdenum	95-1	2.31	2.42	2.42	2.39	2.59	ppb
Molybdenum	96-1	5.06	5.33	5.29	5.23	2.82	ppb
Molybdenum	97-1	2.29	2.36	2.30	2.32	1.50	ppb
Molybdenum	98-1	2.25	2.29	2.23	2.26	1.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	91.31	90.66	92.12	91.36	0.80	ppb
Phosphorus	31-2	2849.04	2896.22	2933.72	2892.99	1.47	ppb
Potassium	39-2	12904.17	13001.43	13271.25	13058.95	1.46	ppb
Rhodium	103-1				96		%
Rhodium	103-2				97		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.76	1.74	1.72	1.41	39.67	ppb
Selenium	77-2	22.30	18.58	13.88	18.26	23.10	ppb
Selenium	78-2	1.02	1.63	3.39	2.02	61.11	ppb
Silicon	28-1	1462.82	1534.12	1495.33	1497.42	2.38	ppb
Silver	107-1	0.91	0.95	1.02	0.96	5.89	ppb
Silver	109-1	0.99	0.97	0.99	0.98	1.47	ppb
Sodium	23-2	316.61	316.48	324.65	319.25	1.46	ppb
Strontium	86-1	137.48	142.36	142.46	140.77	2.02	ppb
Strontium	88-1	146.34	148.98	150.99	148.77	1.57	ppb
Sulfur	34-1	-1833.22	-1617.17	-1693.79	-1714.73		ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	0.37	0.37	0.39	0.38	3.21	ppb
Thallium	205-1	0.35	0.37	0.36	0.36	3.49	ppb
Tin	118-1	3.03	3.03	3.17	3.08	2.66	ppb
Titanium	47-1	984.04	1015.13	1008.45	1002.54	1.63	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-01	Instrumnet Name :	P7
Client Sample ID :	MYE490	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:44:19	DataFile Name :	100SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.12	1.10	1.13	1.12	1.27	ppb
Vanadium	51-2	169.30	169.24	170.40	169.65	0.38	ppb
Yttrium	89-1				104		%
Yttrium	89-2				105		%
Zinc	66-2	288.11	286.71	290.27	288.36	0.62	ppb
Zirconium	90-1	13.62	14.32	14.44	14.13	3.11	ppb
Zirconium	91-1	14.08	14.46	14.21	14.25	1.38	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-02	Instrumnet Name :	P7
Client Sample ID :	MYE491	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:47:27	DataFile Name :	101SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	44219.16	40043.70	39200.57	41154.48	6.53	ppb
Antimony	121-1	1.15	1.24	1.22	1.20	3.85	ppb
Arsenic	75-2	55.73	50.63	50.01	52.12	6.02	ppb
Barium	135-1	388.26	406.73	405.74	400.24	2.60	ppb
Barium	137-1	382.26	404.27	404.92	397.15	3.25	ppb
Beryllium	9-1	1.33	1.47	1.40	1.40	4.66	ppb
Bismuth	209-1				104		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.01	2.39	2.15	2.18	8.81	ppb
Cadmium	106-1	2.81	3.11	2.88	2.94	5.30	ppb
Cadmium	111-1	0.73	0.86	0.77	0.79	8.00	ppb
Calcium	43-1	51663.64	53405.57	53763.92	52944.37	2.12	ppb
Calcium	44-1	49838.95	50916.51	52226.25	50993.90	2.34	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	98.53	88.06	85.46	90.68	7.63	ppb
Cobalt	59-2	51.79	46.00	43.83	47.21	8.72	ppb
Copper	63-2	165.44	146.99	143.02	151.81	7.88	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				97		%
Indium	115-1				98		%
Indium	115-2				92		%
Iron	56-2	94770.69	85466.51	81956.32	87397.84	7.58	ppb
Iron	57-2	94424.44	83008.17	81074.30	86168.97	8.37	ppb
Iron	54-2	94516.89	83889.32	81671.08	86692.43	7.92	ppb
Krypton	83-1						cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-02	Instrumnet Name :	P7
Client Sample ID :	MYE491	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:47:27	DataFile Name :	101SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	28.13	28.67	29.15	28.65	1.77	ppb
Lead	207-1	26.90	27.44	28.17	27.50	2.31	ppb
Lead	208-1	27.12	27.82	28.27	27.74	2.08	ppb
Lithium	6-1				90		%
Magnesium	24-2	36576.60	32240.11	31433.55	33416.75	8.28	ppb
Manganese	55-2	2131.09	1886.64	1845.50	1954.41	7.90	ppb
Molybdenum	94-1	38.67	40.05	40.30	39.67	2.21	ppb
Molybdenum	95-1	1.00	1.06	0.96	1.01	4.74	ppb
Molybdenum	96-1	5.37	5.61	5.58	5.52	2.34	ppb
Molybdenum	97-1	1.03	1.05	1.11	1.07	4.05	ppb
Molybdenum	98-1	0.98	1.04	1.04	1.02	3.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	134.16	121.15	118.07	124.46	6.86	ppb
Phosphorus	31-2	3183.08	2863.20	2752.01	2932.77	7.63	ppb
Potassium	39-2	6814.27	6077.63	5830.81	6240.91	8.20	ppb
Rhodium	103-1				96		%
Rhodium	103-2				91		%
Scandium	45-1				97		%
Scandium	45-2				94		%
Selenium	82-1	0.33	0.36	1.83	0.84	102.10	ppb
Selenium	77-2	13.32	10.92	8.28	10.84	23.29	ppb
Selenium	78-2	3.15	3.68	-0.07	2.25	90.25	ppb
Silicon	28-1	1216.00	1281.83	1242.02	1246.62	2.66	ppb
Silver	107-1	0.25	0.23	0.23	0.24	2.89	ppb
Silver	109-1	0.22	0.26	0.23	0.24	8.86	ppb
Sodium	23-2	1317.38	1168.10	1136.22	1207.23	8.01	ppb
Strontium	86-1	505.64	521.18	522.44	516.42	1.81	ppb
Strontium	88-1	541.19	551.42	551.43	548.02	1.08	ppb
Sulfur	34-1	-1357.05	-1119.00	-1058.48	-1178.18		ppb
Terbium	159-1				100		%
Terbium	159-2				96		%
Thallium	203-1	0.18	0.18	0.19	0.18	1.49	ppb
Thallium	205-1	0.18	0.20	0.20	0.19	7.25	ppb
Tin	118-1	2.16	2.26	2.30	2.24	3.17	ppb
Titanium	47-1	1813.63	1902.48	1892.57	1869.56	2.60	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-02	Instrumnet Name :	P7
Client Sample ID :	MYE491	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:47:27	DataFile Name :	101SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.24	1.29	1.33	1.29	3.53	ppb
Vanadium	51-2	197.35	178.26	172.31	182.64	7.16	ppb
Yttrium	89-1				103		%
Yttrium	89-2				98		%
Zinc	66-2	194.51	171.32	167.34	177.72	8.26	ppb
Zirconium	90-1	23.09	23.47	23.73	23.43	1.36	ppb
Zirconium	91-1	23.09	23.39	23.66	23.38	1.22	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-03	Instrumnet Name :	P7
Client Sample ID :	MYE492	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:50:38	DataFile Name :	102SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	43666.19	44864.83	44743.45	44424.82	1.49	ppb
Antimony	121-1	1.71	1.70	1.76	1.72	1.81	ppb
Arsenic	75-2	72.28	75.99	76.46	74.91	3.05	ppb
Barium	135-1	281.28	280.57	286.84	282.90	1.21	ppb
Barium	137-1	279.90	279.98	285.17	281.68	1.07	ppb
Beryllium	9-1	0.87	0.86	1.00	0.91	8.44	ppb
Bismuth	209-1				104		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.54	1.50	2.12	1.72	20.25	ppb
Cadmium	106-1	1.18	1.00	1.65	1.28	26.07	ppb
Cadmium	111-1	1.06	1.05	1.09	1.07	2.13	ppb
Calcium	43-1	25462.89	25321.17	25887.58	25557.21	1.15	ppb
Calcium	44-1	24878.43	24518.12	25208.12	24868.22	1.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	148.83	152.08	154.82	151.91	1.98	ppb
Cobalt	59-2	54.36	55.44	57.04	55.61	2.43	ppb
Copper	63-2	219.81	224.01	229.70	224.51	2.21	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				100		%
Indium	115-1				96		%
Indium	115-2				94		%
Iron	56-2	93374.05	95350.45	97335.01	95353.17	2.08	ppb
Iron	57-2	91977.38	95677.41	96032.77	94562.52	2.37	ppb
Iron	54-2	93036.67	94535.07	96578.81	94716.85	1.88	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-03	Instrumnet Name :	P7
Client Sample ID :	MYE492	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:50:38	DataFile Name :	102SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	36.68	36.51	36.70	36.63	0.29	ppb
Lead	207-1	35.50	35.21	35.94	35.55	1.03	ppb
Lead	208-1	35.87	35.74	36.19	35.93	0.65	ppb
Lithium	6-1				88		%
Magnesium	24-2	28570.05	29164.00	29267.84	29000.63	1.30	ppb
Manganese	55-2	2040.68	2074.74	2141.88	2085.77	2.47	ppb
Molybdenum	94-1	12.69	13.34	13.03	13.02	2.49	ppb
Molybdenum	95-1	1.14	1.08	1.14	1.12	3.42	ppb
Molybdenum	96-1	2.99	2.73	3.07	2.93	5.97	ppb
Molybdenum	97-1	1.11	1.10	1.11	1.10	0.70	ppb
Molybdenum	98-1	1.05	1.10	1.12	1.09	3.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	110.43	113.48	115.69	113.20	2.33	ppb
Phosphorus	31-2	2153.89	2203.27	2232.85	2196.67	1.82	ppb
Potassium	39-2	7929.77	8103.12	8261.51	8098.13	2.05	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				101		%
Scandium	45-2				98		%
Selenium	82-1	1.34	1.14	1.90	1.46	26.92	ppb
Selenium	77-2	10.60	12.84	13.03	12.16	11.13	ppb
Selenium	78-2	1.31	2.59	3.13	2.34	39.74	ppb
Silicon	28-1	1415.20	1376.07	1396.93	1396.07	1.40	ppb
Silver	107-1	0.41	0.41	0.39	0.40	3.10	ppb
Silver	109-1	0.40	0.39	0.39	0.39	1.48	ppb
Sodium	23-2	491.65	515.44	530.48	512.53	3.82	ppb
Strontium	86-1	93.23	95.44	95.52	94.73	1.37	ppb
Strontium	88-1	99.79	99.93	99.86	99.86	0.07	ppb
Sulfur	34-1	-1609.11	-1833.53	-1772.53	-1738.39		ppb
Terbium	159-1				100		%
Terbium	159-2				98		%
Thallium	203-1	0.22	0.20	0.21	0.21	4.33	ppb
Thallium	205-1	0.21	0.20	0.20	0.20	2.39	ppb
Tin	118-1	2.09	2.11	2.25	2.15	3.94	ppb
Titanium	47-1	846.74	857.30	873.16	859.07	1.55	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-03	Instrumnet Name :	P7
Client Sample ID :	MYE492	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:50:38	DataFile Name :	102SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.70	0.66	0.67	0.68	2.28	ppb
Vanadium	51-2	201.97	207.70	211.72	207.13	2.36	ppb
Yttrium	89-1				102		%
Yttrium	89-2				101		%
Zinc	66-2	194.45	198.45	201.49	198.13	1.78	ppb
Zirconium	90-1	7.17	7.31	7.33	7.27	1.17	ppb
Zirconium	91-1	8.17	7.78	7.74	7.90	3.01	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-04	Instrumnet Name :	P7
Client Sample ID :	MYE493	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:53:47	DataFile Name :	103SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	37272.46	37011.20	36703.35	36995.67	0.77	ppb
Antimony	121-1	2.12	2.16	2.14	2.14	0.84	ppb
Arsenic	75-2	54.09	52.15	52.49	52.91	1.96	ppb
Barium	135-1	318.56	324.05	317.65	320.09	1.08	ppb
Barium	137-1	318.29	321.90	317.08	319.09	0.79	ppb
Beryllium	9-1	1.19	1.45	1.32	1.32	9.72	ppb
Bismuth	209-1				105		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.57	1.99	1.88	1.81	12.02	ppb
Cadmium	106-1	2.01	1.34	1.13	1.50	30.68	ppb
Cadmium	111-1	0.85	0.74	0.76	0.78	7.87	ppb
Calcium	43-1	33593.90	33830.10	34100.46	33841.49	0.75	ppb
Calcium	44-1	32202.41	32929.71	32648.13	32593.41	1.13	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	85.51	84.07	84.27	84.62	0.92	ppb
Cobalt	59-2	42.66	42.67	42.47	42.60	0.26	ppb
Copper	63-2	155.14	153.38	152.23	153.59	0.96	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				100		%
Indium	115-1				97		%
Indium	115-2				97		%
Iron	56-2	79918.19	79104.23	78979.47	79333.96	0.64	ppb
Iron	57-2	78707.44	77610.69	77535.22	77951.12	0.84	ppb
Iron	54-2	78718.31	78836.41	78148.70	78567.81	0.47	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-04	Instrumnet Name :	P7
Client Sample ID :	MYE493	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:53:47	DataFile Name :	103SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	29.86	30.09	30.62	30.19	1.30	ppb
Lead	207-1	28.53	28.65	29.03	28.74	0.92	ppb
Lead	208-1	28.81	28.93	29.31	29.02	0.91	ppb
Lithium	6-1				90		%
Magnesium	24-2	24556.15	24642.53	24237.78	24478.82	0.87	ppb
Manganese	55-2	1663.67	1659.43	1644.79	1655.96	0.60	ppb
Molybdenum	94-1	29.79	30.77	30.52	30.36	1.68	ppb
Molybdenum	95-1	0.99	1.06	0.96	1.01	5.07	ppb
Molybdenum	96-1	4.51	4.48	4.58	4.52	1.13	ppb
Molybdenum	97-1	0.97	0.99	1.08	1.01	5.59	ppb
Molybdenum	98-1	0.94	0.95	0.92	0.94	1.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	114.20	113.64	113.58	113.81	0.30	ppb
Phosphorus	31-2	3122.09	3041.91	3057.19	3073.73	1.39	ppb
Potassium	39-2	6310.08	6074.90	5917.62	6100.87	3.24	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				98		%
Scandium	45-2				97		%
Selenium	82-1	0.30	0.98	0.09	0.46	101.36	ppb
Selenium	77-2	9.09	12.18	13.57	11.61	19.74	ppb
Selenium	78-2	2.35	0.41	1.25	1.34	72.64	ppb
Silicon	28-1	1384.74	1388.45	1383.52	1385.57	0.19	ppb
Silver	107-1	0.24	0.24	0.24	0.24	1.09	ppb
Silver	109-1	0.24	0.24	0.24	0.24	0.30	ppb
Sodium	23-2	1053.97	1051.49	1047.00	1050.82	0.34	ppb
Strontium	86-1	410.23	419.32	413.96	414.50	1.10	ppb
Strontium	88-1	429.36	435.85	443.49	436.23	1.62	ppb
Sulfur	34-1	-1483.25	-1431.68	-1411.78	-1442.24		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.18	0.20	0.18	0.19	6.03	ppb
Thallium	205-1	0.19	0.18	0.19	0.18	2.64	ppb
Tin	118-1	2.31	2.37	2.26	2.31	2.29	ppb
Titanium	47-1	1605.08	1619.97	1629.57	1618.21	0.76	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-04	Instrumnet Name :	P7
Client Sample ID :	MYE493	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:53:47	DataFile Name :	103SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.93	0.89	0.90	0.91	2.29	ppb
Vanadium	51-2	167.37	167.66	164.93	166.65	0.90	ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	168.44	169.56	169.08	169.03	0.33	ppb
Zirconium	90-1	17.62	17.93	17.96	17.84	1.06	ppb
Zirconium	91-1	17.65	18.13	18.16	17.98	1.61	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-08	Instrumnet Name :	P7
Client Sample ID :	MYE495	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:56:58	DataFile Name :	104SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	32841.74	32950.78	32966.44	32919.65	0.21	ppb
Antimony	121-1	1.44	1.59	1.60	1.55	5.64	ppb
Arsenic	75-2	53.32	52.35	53.77	53.14	1.37	ppb
Barium	135-1	172.65	196.79	186.61	185.35	6.54	ppb
Barium	137-1	174.37	187.24	185.97	182.53	3.89	ppb
Beryllium	9-1	0.86	0.68	0.83	0.79	12.55	ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.94	1.43	0.69	1.02	36.98	ppb
Cadmium	106-1	0.03	0.22	-0.12	0.05	368.07	ppb
Cadmium	111-1	0.38	0.41	0.39	0.40	3.89	ppb
Calcium	43-1	21399.97	20762.72	22322.00	21494.90	3.65	ppb
Calcium	44-1	20588.67	20360.34	21171.46	20706.82	2.02	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	81.81	81.79	81.27	81.62	0.37	ppb
Cobalt	59-2	41.30	41.24	40.94	41.16	0.46	ppb
Copper	63-2	128.06	129.79	128.19	128.68	0.75	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				101		%
Indium	115-1				98		%
Indium	115-2				96		%
Iron	56-2	79774.91	80576.46	79449.62	79933.66	0.73	ppb
Iron	57-2	77598.48	77718.96	79130.94	78149.46	1.09	ppb
Iron	54-2	80143.93	80007.61	78641.95	79597.83	1.04	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-08	Instrumnet Name :	P7
Client Sample ID :	MYE495	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:56:58	DataFile Name :	104SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	19.14	20.04	18.74	19.31	3.46	ppb
Lead	207-1	18.46	17.94	17.74	18.05	2.05	ppb
Lead	208-1	18.39	18.66	18.41	18.48	0.80	ppb
Lithium	6-1				88		%
Magnesium	24-2	20889.91	21068.57	20873.34	20943.94	0.52	ppb
Manganese	55-2	1368.54	1385.91	1357.19	1370.55	1.06	ppb
Molybdenum	94-1	15.58	15.67	15.98	15.74	1.35	ppb
Molybdenum	95-1	0.78	0.77	0.71	0.75	4.71	ppb
Molybdenum	96-1	2.89	2.76	2.76	2.80	2.61	ppb
Molybdenum	97-1	0.82	0.78	0.77	0.79	3.04	ppb
Molybdenum	98-1	0.79	0.75	0.70	0.75	5.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	76.23	76.12	77.73	76.69	1.17	ppb
Phosphorus	31-2	1525.05	1527.03	1527.12	1526.40	0.08	ppb
Potassium	39-2	5147.65	5090.05	5167.71	5135.14	0.78	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				100		%
Scandium	45-2				98		%
Selenium	82-1	1.13	0.14	-0.07	0.40	159.30	ppb
Selenium	77-2	11.28	10.17	9.11	10.19	10.62	ppb
Selenium	78-2	3.78	-0.08	0.84	1.51	133.06	ppb
Silicon	28-1	1073.25	1017.84	1032.98	1041.36	2.75	ppb
Silver	107-1	0.16	0.17	0.17	0.17	3.55	ppb
Silver	109-1	0.12	0.16	0.17	0.15	15.98	ppb
Sodium	23-2	509.81	515.06	505.73	510.20	0.92	ppb
Strontium	86-1	91.86	90.44	87.97	90.09	2.19	ppb
Strontium	88-1	89.24	90.84	90.92	90.33	1.05	ppb
Sulfur	34-1	-1722.86	-2163.73	-1975.31	-1953.96		ppb
Terbium	159-1				99		%
Terbium	159-2				98		%
Thallium	203-1	0.12	0.12	0.12	0.12	3.54	ppb
Thallium	205-1	0.11	0.13	0.12	0.12	6.18	ppb
Tin	118-1	2.24	2.10	2.15	2.16	3.13	ppb
Titanium	47-1	1079.23	1035.26	1062.77	1059.09	2.10	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-08	Instrumnet Name :	P7
Client Sample ID :	MYE495	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:56:58	DataFile Name :	104SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.64	0.61	0.60	0.61	3.54	ppb
Vanadium	51-2	197.10	198.40	195.46	196.99	0.75	ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	130.46	132.14	130.01	130.87	0.85	ppb
Zirconium	90-1	9.14	9.47	8.93	9.18	2.99	ppb
Zirconium	91-1	9.40	9.17	8.83	9.14	3.12	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-09	Instrumnet Name :	P7
Client Sample ID :	MYE496	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:00:08	DataFile Name :	105SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48182.20	48747.20	49107.13	48678.84	0.96	ppb
Antimony	121-1	1.46	1.47	1.45	1.46	0.82	ppb
Arsenic	75-2	77.37	76.31	75.98	76.55	0.94	ppb
Barium	135-1	532.40	540.60	540.65	537.88	0.88	ppb
Barium	137-1	524.45	542.46	536.02	534.31	1.71	ppb
Beryllium	9-1	1.77	1.75	1.69	1.74	2.19	ppb
Bismuth	209-1				104		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.30	2.14	1.57	1.67	25.58	ppb
Cadmium	106-1	0.92	1.47	0.87	1.09	30.48	ppb
Cadmium	111-1	0.67	0.64	0.65	0.66	2.13	ppb
Calcium	43-1	18454.53	18805.98	18879.90	18713.47	1.21	ppb
Calcium	44-1	18042.04	18072.91	18242.88	18119.28	0.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	102.08	102.42	102.36	102.29	0.18	ppb
Cobalt	59-2	47.08	48.06	47.44	47.53	1.04	ppb
Copper	63-2	148.97	149.72	150.63	149.78	0.55	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				101		%
Indium	115-1				97		%
Indium	115-2				96		%
Iron	56-2	92745.43	92219.32	92624.61	92529.79	0.30	ppb
Iron	57-2	89774.31	91247.02	90134.76	90385.36	0.85	ppb
Iron	54-2	91260.99	90630.72	91641.52	91177.74	0.56	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-09	Instrumnet Name :	P7
Client Sample ID :	MYE496	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:00:08	DataFile Name :	105SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	32.23	31.51	32.70	32.15	1.86	ppb
Lead	207-1	30.03	29.61	30.24	29.96	1.06	ppb
Lead	208-1	30.78	30.37	31.06	30.73	1.14	ppb
Lithium	6-1				91		%
Magnesium	24-2	19953.90	20186.91	20070.04	20070.28	0.58	ppb
Manganese	55-2	2498.90	2469.95	2497.48	2488.78	0.66	ppb
Molybdenum	94-1	21.38	22.65	22.27	22.10	2.96	ppb
Molybdenum	95-1	1.69	1.74	1.82	1.75	3.65	ppb
Molybdenum	96-1	4.33	4.43	4.44	4.40	1.41	ppb
Molybdenum	97-1	1.66	1.78	1.73	1.72	3.40	ppb
Molybdenum	98-1	1.66	1.71	1.69	1.69	1.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	88.88	88.51	89.00	88.80	0.29	ppb
Phosphorus	31-2	2198.20	2180.43	2200.12	2192.91	0.49	ppb
Potassium	39-2	10671.10	10831.17	10707.31	10736.53	0.78	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				101		%
Scandium	45-2				99		%
Selenium	82-1	1.20	0.97	0.25	0.80	61.98	ppb
Selenium	77-2	16.31	18.02	15.99	16.77	6.52	ppb
Selenium	78-2	2.96	1.20	2.13	2.10	41.95	ppb
Silicon	28-1	1302.99	1296.54	1313.17	1304.23	0.64	ppb
Silver	107-1	0.26	0.28	0.26	0.26	5.25	ppb
Silver	109-1	0.25	0.23	0.25	0.24	5.58	ppb
Sodium	23-2	311.60	313.02	313.62	312.75	0.33	ppb
Strontium	86-1	96.93	98.10	97.71	97.58	0.61	ppb
Strontium	88-1	100.97	104.09	105.24	103.43	2.14	ppb
Sulfur	34-1	-2106.52	-2299.53	-2386.06	-2264.03		ppb
Terbium	159-1				101		%
Terbium	159-2				100		%
Thallium	203-1	0.35	0.31	0.33	0.33	5.09	ppb
Thallium	205-1	0.34	0.35	0.33	0.34	2.77	ppb
Tin	118-1	2.28	2.41	2.32	2.34	3.02	ppb
Titanium	47-1	953.03	963.39	971.93	962.78	0.98	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-09	Instrumnet Name :	P7
Client Sample ID :	MYE496	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:00:08	DataFile Name :	105SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.22	1.21	1.21	1.21	0.23	ppb
Vanadium	51-2	160.55	160.69	160.23	160.49	0.15	ppb
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-2	202.06	204.10	202.59	202.92	0.52	ppb
Zirconium	90-1	12.25	12.48	12.61	12.45	1.44	ppb
Zirconium	91-1	12.47	12.67	12.46	12.53	0.94	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-10	Instrumnet Name :	P7
Client Sample ID :	MYE497	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:03:19	DataFile Name :	106SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	40475.85	39933.86	39782.33	40064.02	0.91	ppb
Antimony	121-1	2.34	2.32	2.35	2.34	0.63	ppb
Arsenic	75-2	55.41	54.34	56.25	55.34	1.73	ppb
Barium	135-1	322.64	323.80	330.41	325.62	1.29	ppb
Barium	137-1	322.61	322.77	325.76	323.72	0.55	ppb
Beryllium	9-1	1.14	1.28	1.28	1.23	6.66	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.63	1.96	2.19	1.92	14.63	ppb
Cadmium	106-1	1.28	1.37	1.55	1.40	9.73	ppb
Cadmium	111-1	0.56	0.57	0.59	0.57	2.08	ppb
Calcium	43-1	27786.80	27127.16	27602.44	27505.47	1.24	ppb
Calcium	44-1	27134.53	26374.62	26640.82	26716.66	1.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	86.48	85.77	86.41	86.22	0.45	ppb
Cobalt	59-2	42.77	42.17	42.89	42.61	0.90	ppb
Copper	63-2	140.45	138.82	142.15	140.47	1.19	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				101		%
Indium	115-1				96		%
Indium	115-2				95		%
Iron	56-2	83151.50	81892.13	83588.38	82877.33	1.06	ppb
Iron	57-2	82136.07	79857.48	80774.22	80922.59	1.42	ppb
Iron	54-2	82692.35	81596.29	82670.53	82319.72	0.76	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-10	Instrumnet Name :	P7
Client Sample ID :	MYE497	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:03:19	DataFile Name :	106SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	24.81	24.85	24.95	24.87	0.29	ppb
Lead	207-1	23.92	23.77	23.55	23.74	0.79	ppb
Lead	208-1	24.07	23.93	23.82	23.94	0.54	ppb
Lithium	6-1				89		%
Magnesium	24-2	23603.17	23432.55	23696.22	23577.31	0.57	ppb
Manganese	55-2	1595.30	1584.64	1587.80	1589.24	0.34	ppb
Molybdenum	94-1	35.77	35.81	35.72	35.77	0.13	ppb
Molybdenum	95-1	1.03	1.00	0.95	1.00	4.14	ppb
Molybdenum	96-1	5.09	5.07	5.07	5.08	0.18	ppb
Molybdenum	97-1	0.99	0.99	0.99	0.99	0.25	ppb
Molybdenum	98-1	0.91	0.99	0.96	0.95	3.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	114.06	113.96	114.87	114.30	0.44	ppb
Phosphorus	31-2	2612.94	2574.20	2663.54	2616.89	1.71	ppb
Potassium	39-2	5103.89	4946.78	5145.47	5065.38	2.07	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				97		%
Scandium	45-2				96		%
Selenium	82-1	0.30	-0.02	0.98	0.42	121.90	ppb
Selenium	77-2	16.50	11.10	12.54	13.38	20.88	ppb
Selenium	78-2	1.18	2.68	0.65	1.50	69.94	ppb
Silicon	28-1	1330.14	1303.27	1319.47	1317.63	1.03	ppb
Silver	107-1	0.25	0.26	0.26	0.26	2.85	ppb
Silver	109-1	0.23	0.25	0.24	0.24	5.80	ppb
Sodium	23-2	1399.51	1396.58	1415.66	1403.91	0.73	ppb
Strontium	86-1	413.33	415.02	410.42	412.92	0.56	ppb
Strontium	88-1	440.00	434.96	430.84	435.27	1.05	ppb
Sulfur	34-1	-1917.46	-2059.23	-1889.23	-1955.31		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.16	0.16	0.18	0.17	7.08	ppb
Thallium	205-1	0.17	0.17	0.16	0.17	1.34	ppb
Tin	118-1	6.16	6.18	6.36	6.23	1.80	ppb
Titanium	47-1	1649.94	1626.51	1644.83	1640.43	0.75	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-10	Instrumnet Name :	P7
Client Sample ID :	MYE497	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:03:19	DataFile Name :	106SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.02	1.01	1.00	1.01	1.05	ppb
Vanadium	51-2	170.60	169.02	171.62	170.41	0.77	ppb
Yttrium	89-1				100		%
Yttrium	89-2				102		%
Zinc	66-2	153.67	150.83	152.83	152.44	0.96	ppb
Zirconium	90-1	21.35	21.26	21.25	21.28	0.26	ppb
Zirconium	91-1	21.71	21.58	20.71	21.33	2.55	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-11	Instrumnet Name :	P7
Client Sample ID :	MYE498	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:06:28	DataFile Name :	107SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	34135.76	34604.50	34257.92	34332.73	0.71	ppb
Antimony	121-1	1.22	1.22	1.27	1.24	2.50	ppb
Arsenic	75-2	50.88	52.11	50.14	51.04	1.95	ppb
Barium	135-1	298.94	312.30	310.03	307.09	2.33	ppb
Barium	137-1	301.62	311.05	308.32	307.00	1.58	ppb
Beryllium	9-1	1.06	1.07	0.94	1.02	7.03	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.61	1.45	1.36	1.47	8.58	ppb
Cadmium	106-1	1.47	1.02	0.97	1.16	23.96	ppb
Cadmium	111-1	0.50	0.50	0.48	0.49	2.90	ppb
Calcium	43-1	52205.66	53802.39	53521.43	53176.49	1.60	ppb
Calcium	44-1	51402.56	52662.27	52517.44	52194.09	1.32	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	84.13	83.86	85.31	84.43	0.92	ppb
Cobalt	59-2	42.64	42.70	42.85	42.73	0.26	ppb
Copper	63-2	123.66	125.84	125.60	125.03	0.96	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				101		%
Indium	115-1				98		%
Indium	115-2				96		%
Iron	56-2	84650.59	84579.21	85238.64	84822.81	0.43	ppb
Iron	57-2	83553.79	82921.86	82833.52	83103.06	0.47	ppb
Iron	54-2	83770.52	84022.39	84397.80	84063.57	0.38	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-11	Instrumnet Name :	P7
Client Sample ID :	MYE498	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:06:28	DataFile Name :	107SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	22.34	22.89	23.34	22.86	2.18	ppb
Lead	207-1	21.08	21.26	22.01	21.45	2.30	ppb
Lead	208-1	21.21	21.71	22.27	21.73	2.44	ppb
Lithium	6-1				90		%
Magnesium	24-2	24014.24	24074.03	23866.71	23985.00	0.44	ppb
Manganese	55-2	1524.52	1536.60	1536.47	1532.53	0.45	ppb
Molybdenum	94-1	23.17	24.15	24.38	23.90	2.69	ppb
Molybdenum	95-1	1.01	0.96	1.03	1.00	3.88	ppb
Molybdenum	96-1	3.88	3.93	3.88	3.90	0.74	ppb
Molybdenum	97-1	0.94	0.99	1.12	1.02	9.22	ppb
Molybdenum	98-1	0.97	0.96	1.00	0.98	2.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	87.04	88.22	89.33	88.20	1.30	ppb
Phosphorus	31-2	1963.20	2076.88	2066.16	2035.41	3.08	ppb
Potassium	39-2	4949.25	4984.08	4950.39	4961.24	0.40	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				98		%
Scandium	45-2				97		%
Selenium	82-1	1.44	1.01	1.49	1.31	20.01	ppb
Selenium	77-2	12.55	7.24	6.05	8.61	40.24	ppb
Selenium	78-2	0.32	-0.23	0.12	0.07	403.38	ppb
Silicon	28-1	1226.40	1241.39	1255.51	1241.10	1.17	ppb
Silver	107-1	0.16	0.17	0.17	0.17	3.94	ppb
Silver	109-1	0.14	0.16	0.16	0.15	7.75	ppb
Sodium	23-2	810.01	820.46	829.29	819.92	1.18	ppb
Strontium	86-1	174.89	178.85	180.13	177.96	1.54	ppb
Strontium	88-1	183.31	189.18	191.08	187.86	2.16	ppb
Sulfur	34-1	-1330.58	-1120.47	-1136.74	-1195.93		ppb
Terbium	159-1				100		%
Terbium	159-2				99		%
Thallium	203-1	0.15	0.17	0.18	0.17	8.12	ppb
Thallium	205-1	0.16	0.17	0.17	0.16	3.77	ppb
Tin	118-1	2.19	2.15	2.22	2.19	1.68	ppb
Titanium	47-1	1385.01	1423.65	1416.30	1408.32	1.46	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-11	Instrumnet Name :	P7
Client Sample ID :	MYE498	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:06:28	DataFile Name :	107SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.90	0.87	0.90	0.89	2.09	ppb
Vanadium	51-2	194.50	194.23	195.43	194.72	0.32	ppb
Yttrium	89-1				100		%
Yttrium	89-2				102		%
Zinc	66-2	152.86	154.06	153.89	153.60	0.42	ppb
Zirconium	90-1	13.65	14.00	14.18	13.94	1.91	ppb
Zirconium	91-1	13.68	14.00	14.46	14.05	2.77	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-12	Instrumnet Name :	P7
Client Sample ID :	MYE499	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:09:40	DataFile Name :	108SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49697.65	48973.21	48725.99	49132.28	1.03	ppb
Antimony	121-1	2.21	2.40	2.24	2.28	4.34	ppb
Arsenic	75-2	102.61	101.49	103.51	102.54	0.99	ppb
Barium	135-1	483.55	507.43	506.82	499.26	2.73	ppb
Barium	137-1	480.71	505.35	502.51	496.19	2.72	ppb
Beryllium	9-1	1.83	1.70	1.76	1.76	3.65	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.15	3.03	3.35	3.18	5.01	ppb
Cadmium	106-1	3.14	3.12	2.54	2.93	11.66	ppb
Cadmium	111-1	2.34	2.35	2.31	2.34	0.95	ppb
Calcium	43-1	36374.46	36594.97	36470.26	36479.90	0.30	ppb
Calcium	44-1	34989.67	35717.11	36043.51	35583.43	1.52	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	101.57	100.88	100.92	101.12	0.38	ppb
Cobalt	59-2	46.47	45.80	45.86	46.04	0.80	ppb
Copper	63-2	375.77	367.50	370.81	371.36	1.12	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				103		%
Indium	115-1				98		%
Indium	115-2				96		%
Iron	56-2	95103.81	92444.95	93372.10	93640.29	1.44	ppb
Iron	57-2	93219.24	91960.37	91918.99	92366.20	0.80	ppb
Iron	54-2	93166.04	92883.35	92908.92	92986.10	0.17	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-12	Instrumnet Name :	P7
Client Sample ID :	MYE499	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:09:40	DataFile Name :	108SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	71.67	74.17	74.72	73.52	2.21	ppb
Lead	207-1	69.53	71.24	72.45	71.08	2.06	ppb
Lead	208-1	70.06	72.19	72.96	71.74	2.10	ppb
Lithium	6-1				88		%
Magnesium	24-2	21904.31	21982.15	22126.01	22004.16	0.51	ppb
Manganese	55-2	2340.02	2313.09	2336.60	2329.90	0.63	ppb
Molybdenum	94-1	18.73	19.28	19.34	19.12	1.77	ppb
Molybdenum	95-1	1.54	1.64	1.63	1.60	3.64	ppb
Molybdenum	96-1	3.85	3.89	4.04	3.93	2.53	ppb
Molybdenum	97-1	1.52	1.69	1.69	1.63	6.08	ppb
Molybdenum	98-1	1.50	1.58	1.61	1.56	3.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	90.88	89.57	89.64	90.03	0.82	ppb
Phosphorus	31-2	2796.51	2911.06	2920.62	2876.07	2.40	ppb
Potassium	39-2	13239.47	13012.83	13066.85	13106.39	0.90	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	1.73	1.63	1.70	1.69	3.26	ppb
Selenium	77-2	17.22	18.15	18.18	17.85	3.04	ppb
Selenium	78-2	5.28	4.20	1.53	3.67	52.62	ppb
Silicon	28-1	1268.08	1311.70	1268.20	1282.66	1.96	ppb
Silver	107-1	0.91	0.95	0.95	0.94	2.29	ppb
Silver	109-1	0.89	0.90	0.96	0.91	4.10	ppb
Sodium	23-2	345.40	345.00	342.43	344.28	0.47	ppb
Strontium	86-1	132.41	133.65	135.23	133.77	1.06	ppb
Strontium	88-1	137.42	142.97	145.47	141.95	2.90	ppb
Sulfur	34-1	-1261.20	-1487.62	-1726.28	-1491.70		ppb
Terbium	159-1				99		%
Terbium	159-2				99		%
Thallium	203-1	0.40	0.37	0.35	0.37	6.72	ppb
Thallium	205-1	0.36	0.37	0.37	0.37	0.90	ppb
Tin	118-1	2.82	3.08	2.96	2.95	4.40	ppb
Titanium	47-1	1015.83	1024.08	1019.07	1019.66	0.41	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-12	Instrumnet Name :	P7
Client Sample ID :	MYE499	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:09:40	DataFile Name :	108SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.03	1.05	1.05	1.04	1.47	ppb
Vanadium	51-2	171.52	169.14	169.80	170.15	0.72	ppb
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-2	306.77	306.51	308.41	307.23	0.34	ppb
Zirconium	90-1	10.47	11.00	11.00	10.82	2.84	ppb
Zirconium	91-1	10.72	10.96	10.83	10.84	1.12	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-13	Instrumnet Name :	P7
Client Sample ID :	MYE4A0	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:12:49	DataFile Name :	109SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	39025.35	38434.87	38412.00	38624.07	0.90	ppb
Antimony	121-1	2.15	2.25	2.20	2.20	2.35	ppb
Arsenic	75-2	98.63	97.75	96.81	97.73	0.93	ppb
Barium	135-1	407.06	420.41	417.73	415.07	1.70	ppb
Barium	137-1	403.43	414.20	410.55	409.39	1.34	ppb
Beryllium	9-1	1.54	1.41	1.42	1.46	4.76	ppb
Bismuth	209-1				104		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.87	2.34	2.07	2.10	11.28	ppb
Cadmium	106-1	1.49	0.85	1.70	1.35	32.96	ppb
Cadmium	111-1	1.44	1.57	1.57	1.53	5.09	ppb
Calcium	43-1	21239.31	22017.55	22240.40	21832.42	2.41	ppb
Calcium	44-1	20589.60	21060.15	21524.30	21058.01	2.22	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	81.20	81.47	82.41	81.69	0.78	ppb
Cobalt	59-2	40.23	40.31	40.26	40.27	0.09	ppb
Copper	63-2	256.67	256.33	257.54	256.85	0.24	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				101		%
Indium	115-1				97		%
Indium	115-2				95		%
Iron	56-2	83911.32	83784.32	83946.98	83880.87	0.10	ppb
Iron	57-2	82338.38	82281.39	81543.99	82054.59	0.54	ppb
Iron	54-2	82953.02	83132.59	83896.01	83327.21	0.60	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-13	Instrumnet Name :	P7
Client Sample ID :	MYE4A0	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:12:49	DataFile Name :	109SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	56.85	58.76	58.16	57.92	1.68	ppb
Lead	207-1	54.95	57.05	56.29	56.10	1.89	ppb
Lead	208-1	55.48	56.99	56.70	56.39	1.42	ppb
Lithium	6-1				89		%
Magnesium	24-2	18114.66	17687.22	18014.40	17938.76	1.25	ppb
Manganese	55-2	2230.77	2226.71	2214.26	2223.91	0.39	ppb
Molybdenum	94-1	17.49	18.12	17.63	17.75	1.88	ppb
Molybdenum	95-1	1.36	1.45	1.43	1.41	3.10	ppb
Molybdenum	96-1	3.47	3.63	3.59	3.57	2.35	ppb
Molybdenum	97-1	1.32	1.39	1.32	1.34	2.80	ppb
Molybdenum	98-1	1.31	1.35	1.35	1.33	1.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	78.24	78.97	79.28	78.83	0.68	ppb
Phosphorus	31-2	2437.40	2372.97	2421.40	2410.59	1.39	ppb
Potassium	39-2	11964.13	11844.85	12087.24	11965.41	1.01	ppb
Rhodium	103-1				96		%
Rhodium	103-2				95		%
Scandium	45-1				99		%
Scandium	45-2				97		%
Selenium	82-1	1.22	0.49	0.78	0.83	44.39	ppb
Selenium	77-2	10.83	15.74	16.40	14.32	21.23	ppb
Selenium	78-2	1.16	2.98	4.12	2.75	54.20	ppb
Silicon	28-1	1211.36	1251.28	1282.75	1248.46	2.87	ppb
Silver	107-1	0.57	0.61	0.62	0.60	3.90	ppb
Silver	109-1	0.58	0.57	0.61	0.59	4.14	ppb
Sodium	23-2	274.74	276.61	279.50	276.95	0.86	ppb
Strontium	86-1	99.73	103.72	102.80	102.08	2.05	ppb
Strontium	88-1	105.27	109.44	109.62	108.11	2.27	ppb
Sulfur	34-1	-1893.78	-1816.26	-1863.47	-1857.84		ppb
Terbium	159-1				101		%
Terbium	159-2				100		%
Thallium	203-1	0.27	0.29	0.30	0.29	5.35	ppb
Thallium	205-1	0.30	0.29	0.30	0.30	1.50	ppb
Tin	118-1	2.55	2.76	2.74	2.68	4.20	ppb
Titanium	47-1	891.59	933.07	934.16	919.61	2.64	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-13	Instrumnet Name :	P7
Client Sample ID :	MYE4A0	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:12:49	DataFile Name :	109SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.86	0.88	0.86	0.87	1.27	ppb
Vanadium	51-2	160.90	159.55	160.82	160.42	0.47	ppb
Yttrium	89-1				102		%
Yttrium	89-2				103		%
Zinc	66-2	235.74	237.68	235.76	236.39	0.47	ppb
Zirconium	90-1	9.57	10.19	10.38	10.05	4.19	ppb
Zirconium	91-1	9.56	10.24	10.05	9.95	3.52	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-14	Instrumnet Name :	P7
Client Sample ID :	MYE4A1	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:16:00	DataFile Name :	110SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	37025.46	37611.07	36898.29	37178.27	1.02	ppb
Antimony	121-1	1.36	1.41	1.46	1.41	3.34	ppb
Arsenic	75-2	59.08	58.62	57.76	58.49	1.15	ppb
Barium	135-1	371.63	378.23	376.41	375.42	0.91	ppb
Barium	137-1	368.60	376.23	374.77	373.20	1.08	ppb
Beryllium	9-1	1.25	1.35	1.18	1.26	6.81	ppb
Bismuth	209-1				103		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.93	2.18	1.34	1.81	23.76	ppb
Cadmium	106-1	1.65	0.94	1.93	1.50	33.77	ppb
Cadmium	111-1	0.73	0.70	0.75	0.73	3.77	ppb
Calcium	43-1	46347.85	46514.64	46390.43	46417.64	0.19	ppb
Calcium	44-1	44828.71	45099.68	45529.42	45152.61	0.78	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	81.80	81.26	81.65	81.57	0.34	ppb
Cobalt	59-2	40.91	41.10	40.67	40.89	0.53	ppb
Copper	63-2	133.37	134.69	132.80	133.62	0.72	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				96		%
Indium	115-2				96		%
Iron	56-2	79207.73	79574.72	78294.81	79025.75	0.83	ppb
Iron	57-2	78277.64	77481.65	78397.66	78052.32	0.64	ppb
Iron	54-2	78716.91	79788.60	78308.74	78938.08	0.97	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-14	Instrumnet Name :	P7
Client Sample ID :	MYE4A1	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:16:00	DataFile Name :	110SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	24.29	25.19	25.46	24.98	2.45	ppb
Lead	207-1	23.56	23.87	24.21	23.88	1.36	ppb
Lead	208-1	23.59	24.29	24.49	24.12	1.97	ppb
Lithium	6-1				89		%
Magnesium	24-2	25982.41	25664.47	25728.52	25791.80	0.65	ppb
Manganese	55-2	1622.52	1607.95	1591.50	1607.32	0.97	ppb
Molybdenum	94-1	23.38	23.65	24.03	23.69	1.39	ppb
Molybdenum	95-1	1.14	1.12	1.09	1.12	2.11	ppb
Molybdenum	96-1	3.88	3.99	3.84	3.90	2.06	ppb
Molybdenum	97-1	1.09	1.19	1.12	1.13	4.43	ppb
Molybdenum	98-1	1.01	1.07	1.10	1.06	4.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	100.73	102.51	101.20	101.48	0.91	ppb
Phosphorus	31-2	2825.48	2860.29	2841.31	2842.36	0.61	ppb
Potassium	39-2	6235.53	6353.14	6329.21	6305.96	0.99	ppb
Rhodium	103-1				94		%
Rhodium	103-2				95		%
Scandium	45-1				97		%
Scandium	45-2				96		%
Selenium	82-1	0.88	0.85	1.58	1.10	37.74	ppb
Selenium	77-2	14.06	13.36	14.52	13.98	4.20	ppb
Selenium	78-2	2.04	0.95	0.46	1.15	70.17	ppb
Silicon	28-1	1284.85	1299.66	1317.94	1300.82	1.27	ppb
Silver	107-1	0.22	0.24	0.21	0.23	6.99	ppb
Silver	109-1	0.19	0.24	0.23	0.22	11.23	ppb
Sodium	23-2	860.45	869.57	859.16	863.06	0.66	ppb
Strontium	86-1	280.23	285.91	286.29	284.14	1.19	ppb
Strontium	88-1	301.61	307.85	306.12	305.19	1.06	ppb
Sulfur	34-1	-1205.87	-1112.95	-1092.37	-1137.07		ppb
Terbium	159-1				99		%
Terbium	159-2				97		%
Thallium	203-1	0.17	0.18	0.20	0.18	7.08	ppb
Thallium	205-1	0.19	0.17	0.18	0.18	4.50	ppb
Tin	118-1	2.28	2.53	2.31	2.37	5.69	ppb
Titanium	47-1	1377.40	1391.93	1390.53	1386.62	0.58	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-14	Instrumnet Name :	P7
Client Sample ID :	MYE4A1	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:16:00	DataFile Name :	110SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.82	0.82	0.83	0.82	0.63	ppb
Vanadium	51-2	164.58	164.54	163.36	164.16	0.42	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	167.12	166.36	168.10	167.20	0.52	ppb
Zirconium	90-1	13.61	14.08	14.08	13.92	1.94	ppb
Zirconium	91-1	13.35	13.86	14.05	13.75	2.63	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-15	Instrumnet Name :	P7
Client Sample ID :	MYE4A2	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:19:09	DataFile Name :	111SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	39955.96	39664.83	39837.01	39819.27	0.37	ppb
Antimony	121-1	1.72	1.68	1.78	1.73	2.92	ppb
Arsenic	75-2	80.66	82.46	81.69	81.60	1.11	ppb
Barium	135-1	392.38	372.55	420.78	395.24	6.13	ppb
Barium	137-1	388.17	386.03	404.73	392.98	2.60	ppb
Beryllium	9-1	1.58	1.46	1.39	1.48	6.46	ppb
Bismuth	209-1				105		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.80	1.72	2.11	1.88	10.91	ppb
Cadmium	106-1	1.10	1.53	1.05	1.23	21.47	ppb
Cadmium	111-1	1.47	1.52	1.66	1.55	6.42	ppb
Calcium	43-1	14754.62	15092.29	14798.69	14881.87	1.23	ppb
Calcium	44-1	14365.48	14616.14	14867.83	14616.48	1.72	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	82.85	83.07	84.44	83.45	1.04	ppb
Cobalt	59-2	38.55	39.23	39.66	39.15	1.44	ppb
Copper	63-2	265.95	267.76	271.09	268.27	0.97	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				102		%
Indium	115-1				97		%
Indium	115-2				95		%
Iron	56-2	74761.15	75036.95	76019.81	75272.63	0.88	ppb
Iron	57-2	73407.15	74409.37	75124.29	74313.60	1.16	ppb
Iron	54-2	74268.60	75479.13	75710.73	75152.82	1.03	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-15	Instrumnet Name :	P7
Client Sample ID :	MYE4A2	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:19:09	DataFile Name :	111SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	53.91	54.74	55.22	54.62	1.21	ppb
Lead	207-1	52.93	55.34	50.45	52.91	4.62	ppb
Lead	208-1	52.26	53.65	52.02	52.64	1.67	ppb
Lithium	6-1				89		%
Magnesium	24-2	16637.76	16681.50	17000.97	16773.41	1.18	ppb
Manganese	55-2	1840.71	1862.60	1902.94	1868.75	1.69	ppb
Molybdenum	94-1	15.82	16.14	16.54	16.17	2.23	ppb
Molybdenum	95-1	1.42	1.37	1.45	1.41	3.15	ppb
Molybdenum	96-1	3.36	3.47	3.40	3.41	1.71	ppb
Molybdenum	97-1	1.35	1.57	1.40	1.44	8.13	ppb
Molybdenum	98-1	1.43	1.40	1.40	1.41	1.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	72.72	72.83	73.92	73.15	0.91	ppb
Phosphorus	31-2	1951.51	2050.11	2017.12	2006.25	2.50	ppb
Potassium	39-2	11134.47	11169.43	11304.78	11202.89	0.80	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				99		%
Scandium	45-2				96		%
Selenium	82-1	1.34	1.92	0.52	1.26	55.93	ppb
Selenium	77-2	15.23	12.85	12.60	13.56	10.69	ppb
Selenium	78-2	3.07	1.48	2.21	2.25	35.26	ppb
Silicon	28-1	1351.77	1305.32	1288.71	1315.27	2.48	ppb
Silver	107-1	0.62	0.62	0.66	0.63	3.96	ppb
Silver	109-1	0.60	0.62	0.66	0.62	4.72	ppb
Sodium	23-2	271.24	276.78	273.04	273.69	1.03	ppb
Strontium	86-1	80.90	81.63	79.13	80.55	1.60	ppb
Strontium	88-1	79.28	80.10	80.04	79.81	0.57	ppb
Sulfur	34-1	-1898.56	-1893.20	-2214.88	-2002.22		ppb
Terbium	159-1				102		%
Terbium	159-2				99		%
Thallium	203-1	0.32	0.30	0.28	0.30	6.84	ppb
Thallium	205-1	0.27	0.29	0.27	0.28	3.77	ppb
Tin	118-1	2.46	2.40	2.43	2.43	1.20	ppb
Titanium	47-1	927.49	933.82	911.91	924.41	1.22	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-15	Instrumnet Name :	P7
Client Sample ID :	MYE4A2	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:19:09	DataFile Name :	111SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.89	0.92	0.86	0.89	3.39	ppb
Vanadium	51-2	135.63	136.30	138.42	136.79	1.07	ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	231.01	235.24	235.65	233.97	1.10	ppb
Zirconium	90-1	9.11	9.23	9.51	9.29	2.21	ppb
Zirconium	91-1	9.57	9.54	8.85	9.32	4.34	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-16	Instrumnet Name :	P7
Client Sample ID :	MYE4A3	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:22:21	DataFile Name :	112SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	25841.06	25709.38	26163.61	25904.68	0.90	ppb
Antimony	121-1	1.00	1.03	1.09	1.04	4.32	ppb
Arsenic	75-2	43.55	44.27	45.48	44.43	2.19	ppb
Barium	135-1	267.99	268.57	278.13	271.56	2.10	ppb
Barium	137-1	265.43	268.51	276.24	270.06	2.06	ppb
Beryllium	9-1	0.80	0.96	1.18	0.98	19.61	ppb
Bismuth	209-1				105		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.90	1.05	0.81	0.92	13.46	ppb
Cadmium	106-1	0.86	-0.03	0.77	0.54	91.48	ppb
Cadmium	111-1	0.52	0.51	0.58	0.54	7.62	ppb
Calcium	43-1	44023.33	45490.75	45789.33	45101.14	2.10	ppb
Calcium	44-1	43269.34	44165.28	44756.34	44063.66	1.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	69.66	70.03	70.66	70.11	0.72	ppb
Cobalt	59-2	28.89	28.89	29.04	28.94	0.30	ppb
Copper	63-2	96.61	96.82	97.06	96.83	0.24	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				95		%
Indium	115-2				94		%
Iron	56-2	60953.88	61804.94	61528.23	61429.02	0.71	ppb
Iron	57-2	60509.42	60555.98	60008.95	60358.12	0.50	ppb
Iron	54-2	60624.98	60673.70	61570.49	60956.39	0.87	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-16	Instrumnet Name :	P7
Client Sample ID :	MYE4A3	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:22:21	DataFile Name :	112SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	19.74	20.18	20.27	20.06	1.42	ppb
Lead	207-1	18.39	19.09	19.06	18.85	2.12	ppb
Lead	208-1	18.75	19.31	19.47	19.18	1.96	ppb
Lithium	6-1				89		%
Magnesium	24-2	22252.03	22390.88	22209.52	22284.15	0.43	ppb
Manganese	55-2	1184.46	1191.40	1168.68	1181.51	0.99	ppb
Molybdenum	94-1	14.47	14.88	14.90	14.75	1.63	ppb
Molybdenum	95-1	0.96	0.99	0.96	0.97	2.08	ppb
Molybdenum	96-1	2.67	2.82	2.87	2.78	3.81	ppb
Molybdenum	97-1	0.89	0.86	0.91	0.89	2.99	ppb
Molybdenum	98-1	0.89	0.91	0.93	0.91	2.08	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	76.02	76.91	76.67	76.54	0.60	ppb
Phosphorus	31-2	2156.87	2154.43	2187.44	2166.24	0.85	ppb
Potassium	39-2	5099.33	5020.19	5002.03	5040.51	1.03	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				95		%
Scandium	45-2				93		%
Selenium	82-1	0.94	-0.22	1.31	0.68	118.44	ppb
Selenium	77-2	6.94	8.53	9.68	8.39	16.43	ppb
Selenium	78-2	1.09	1.39	-1.25	0.41	352.74	ppb
Silicon	28-1	1183.22	1202.79	1238.85	1208.29	2.34	ppb
Silver	107-1	0.19	0.16	0.21	0.19	12.82	ppb
Silver	109-1	0.18	0.18	0.18	0.18	1.56	ppb
Sodium	23-2	932.44	933.10	948.81	938.12	0.99	ppb
Strontium	86-1	155.98	158.61	157.80	157.46	0.86	ppb
Strontium	88-1	165.22	167.11	169.32	167.22	1.23	ppb
Sulfur	34-1	-1149.75	-863.33	-643.17	-885.42		ppb
Terbium	159-1				99		%
Terbium	159-2				98		%
Thallium	203-1	0.15	0.14	0.14	0.14	4.30	ppb
Thallium	205-1	0.12	0.14	0.14	0.13	5.78	ppb
Tin	118-1	1.92	1.99	1.98	1.96	1.83	ppb
Titanium	47-1	1113.88	1144.22	1148.26	1135.45	1.66	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-16	Instrumnet Name :	P7
Client Sample ID :	MYE4A3	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:22:21	DataFile Name :	112SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.65	0.64	0.67	0.65	2.54	ppb
Vanadium	51-2	126.39	127.02	127.57	126.99	0.46	ppb
Yttrium	89-1				98		%
Yttrium	89-2				100		%
Zinc	66-2	138.67	139.50	138.96	139.04	0.30	ppb
Zirconium	90-1	8.53	8.59	8.60	8.57	0.47	ppb
Zirconium	91-1	8.42	8.56	8.59	8.53	1.07	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV039	Instrumnet Name :	P7
Client Sample ID :	CCV039	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:25:29	DataFile Name :	113CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48156.99	47598.03	47836.86	47863.96	0.59	ppb
Antimony	121-1	485.98	493.54	531.33	503.62	4.82	ppb
Arsenic	75-2	520.25	523.75	524.63	522.88	0.44	ppb
Barium	135-1	2531.20	2562.35	2712.08	2601.88	3.72	ppb
Barium	137-1	2501.20	2528.78	2670.49	2566.83	3.54	ppb
Beryllium	9-1	515.86	509.46	531.99	519.10	2.24	ppb
Bismuth	209-1				105		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	507.51	515.56	548.69	523.92	4.17	ppb
Cadmium	106-1	509.10	505.04	539.74	517.96	3.66	ppb
Cadmium	111-1	503.80	510.11	541.32	518.41	3.88	ppb
Calcium	43-1	241735.17	241805.22	257944.19	247161.53	3.78	ppb
Calcium	44-1	241272.73	243521.32	258176.11	247656.72	3.71	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	495.11	495.45	496.88	495.81	0.19	ppb
Cobalt	59-2	524.58	530.87	528.45	527.97	0.60	ppb
Copper	63-2	5169.06	5125.45	5169.96	5154.82	0.49	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				107		%
Indium	115-1				97		%
Indium	115-2				96		%
Iron	56-2	125569.42	124603.97	125919.30	125364.23	0.54	ppb
Iron	57-2	123697.13	122562.24	126124.02	124127.80	1.47	ppb
Iron	54-2	123517.50	124745.41	124241.89	124168.27	0.50	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV039	Instrumnet Name :	P7
Client Sample ID :	CCV039	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:25:29	DataFile Name :	113CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2499.28	2578.51	2726.09	2601.29	4.42	ppb
Lead	207-1	2481.91	2559.30	2679.20	2573.47	3.86	ppb
Lead	208-1	2481.84	2546.72	2709.18	2579.25	4.54	ppb
Lithium	6-1				100		%
Magnesium	24-2	247647.45	247380.60	250219.31	248415.79	0.63	ppb
Manganese	55-2	4948.24	4942.45	5008.57	4966.42	0.74	ppb
Molybdenum	94-1	4927.64	5006.24	5380.94	5104.94	4.75	ppb
Molybdenum	95-1	4949.75	5000.42	5373.93	5108.03	4.54	ppb
Molybdenum	96-1	4969.07	5044.17	5296.49	5103.24	3.36	ppb
Molybdenum	97-1	4929.53	5036.43	5355.10	5107.02	4.34	ppb
Molybdenum	98-1	4942.81	4948.32	5299.73	5063.62	4.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	518.23	517.24	519.03	518.17	0.17	ppb
Phosphorus	31-2	9664.20	9734.41	9787.74	9728.78	0.64	ppb
Potassium	39-2	120525.55	121767.06	121443.43	121245.35	0.53	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				95		%
Scandium	45-2				94		%
Selenium	82-1	499.91	504.79	543.24	515.98	4.60	ppb
Selenium	77-2	505.93	518.73	524.57	516.41	1.85	ppb
Selenium	78-2	504.83	513.92	512.93	510.56	0.98	ppb
Silicon	28-1	2753.11	2818.36	3037.68	2869.72	5.19	ppb
Silver	107-1	521.02	520.71	553.00	531.57	3.49	ppb
Silver	109-1	519.17	528.02	551.01	532.74	3.08	ppb
Sodium	23-2	244664.20	245012.52	243688.72	244455.15	0.28	ppb
Strontium	86-1	12261.37	12436.40	13348.86	12682.21	4.60	ppb
Strontium	88-1	12368.16	12537.84	13363.28	12756.43	4.17	ppb
Sulfur	34-1	8820.89	8843.11	10276.71	9313.57	8.96	ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	502.14	515.90	548.70	522.25	4.58	ppb
Thallium	205-1	496.01	519.81	542.18	519.33	4.45	ppb
Tin	118-1	479.20	487.79	515.89	494.29	3.88	ppb
Titanium	47-1	4909.10	4911.81	5347.93	5056.28	5.00	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV039	Instrumnet Name :	P7
Client Sample ID :	CCV039	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:25:29	DataFile Name :	113CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	492.02	512.36	540.78	515.05	4.76	ppb
Vanadium	51-2	499.57	498.69	499.22	499.16	0.09	ppb
Yttrium	89-1				98		%
Yttrium	89-2				99		%
Zinc	66-2	5148.45	5254.71	5264.31	5222.49	1.23	ppb
Zirconium	90-1	499.05	510.49	545.09	518.21	4.63	ppb
Zirconium	91-1	488.78	498.08	531.05	505.97	4.39	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB039	Instrumnet Name :	P7
Client Sample ID :	CCB039	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:28:17	DataFile Name :	114CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.79	1.72	2.01	1.84	8.23	ppb
Antimony	121-1	0.31	0.30	0.30	0.30	2.27	ppb
Arsenic	75-2	0.02	0.01	0.03	0.02	61.02	ppb
Barium	135-1	0.12	0.08	0.08	0.09	21.28	ppb
Barium	137-1	0.13	0.09	0.07	0.10	34.36	ppb
Beryllium	9-1	0.06	0.03	0.02	0.03	56.89	ppb
Bismuth	209-1				113		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.00	0.01	-0.07	-0.02		ppb
Cadmium	106-1	-1.29	-1.53	-2.29	-1.71		ppb
Cadmium	111-1	-0.05	-0.08	-0.13	-0.09		ppb
Calcium	43-1	9.08	6.99	-0.17	5.30	91.54	ppb
Calcium	44-1	-6.40	-10.77	-13.91	-10.36		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.03	0.02	-0.02	0.01	224.85	ppb
Cobalt	59-2	0.01	0.00	-0.01	0.00	412.59	ppb
Copper	63-2	0.13	0.09	0.07	0.10	34.63	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				105		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	56-2	4.52	4.21	4.14	4.29	4.71	ppb
Iron	57-2	0.55	1.09	2.49	1.38	72.64	ppb
Iron	54-2	3.48	3.94	4.02	3.82	7.65	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB039	Instrumnet Name :	P7
Client Sample ID :	CCB039	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:28:17	DataFile Name :	114CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.20	0.16	0.16	0.17	13.54	ppb
Lead	207-1	0.20	0.16	0.12	0.16	23.78	ppb
Lead	208-1	0.19	0.16	0.14	0.16	16.48	ppb
Lithium	6-1				103		%
Magnesium	24-2	6.21	5.86	5.95	6.01	3.00	ppb
Manganese	55-2	0.11	0.09	0.09	0.10	11.10	ppb
Molybdenum	94-1	0.35	0.29	0.27	0.31	12.84	ppb
Molybdenum	95-1	0.37	0.29	0.24	0.30	21.84	ppb
Molybdenum	96-1	0.37	0.27	0.29	0.31	15.93	ppb
Molybdenum	97-1	0.37	0.29	0.26	0.31	17.42	ppb
Molybdenum	98-1	0.33	0.27	0.25	0.28	14.91	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	-0.02	0.01	0.00	737.57	ppb
Phosphorus	31-2	-22.48	-19.76	-17.97	-20.07		ppb
Potassium	39-2	6.56	9.46	5.80	7.27	26.56	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				97		%
Scandium	45-2				93		%
Selenium	82-1	0.00	0.29	0.42	0.24	90.88	ppb
Selenium	77-2	-0.37	-0.37	-0.37	-0.37		ppb
Selenium	78-2	2.03	-1.59	0.19	0.21	870.47	ppb
Silicon	28-1	-1.66	-1.84	-2.29	-1.93		ppb
Silver	107-1	0.06	0.04	0.04	0.04	22.20	ppb
Silver	109-1	0.05	0.04	0.04	0.05	14.60	ppb
Sodium	23-2	37.60	34.63	35.01	35.75	4.52	ppb
Strontium	86-1	0.50	0.40	0.28	0.39	28.68	ppb
Strontium	88-1	0.57	0.40	0.31	0.43	30.89	ppb
Sulfur	34-1	-609.78	-591.75	-655.44	-618.99		ppb
Terbium	159-1				104		%
Terbium	159-2				102		%
Thallium	203-1	0.08	0.07	0.06	0.07	12.91	ppb
Thallium	205-1	0.08	0.06	0.05	0.06	25.59	ppb
Tin	118-1	0.06	0.10	0.09	0.08	23.57	ppb
Titanium	47-1	0.23	0.14	0.14	0.17	30.88	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB039	Instrumnet Name :	P7
Client Sample ID :	CCB039	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:28:17	DataFile Name :	114CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	10.80	ppb
Vanadium	51-2	0.02	0.02	0.01	0.01	42.23	ppb
Yttrium	89-1				99		%
Yttrium	89-2				99		%
Zinc	66-2	0.24	0.25	0.21	0.23	9.59	ppb
Zirconium	90-1	0.04	0.03	0.03	0.03	19.73	ppb
Zirconium	91-1	0.04	0.02	0.02	0.03	30.26	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-17	Instrumnet Name :	P7
Client Sample ID :	MYE4A4	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:31:34	DataFile Name :	115SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	43618.59	44891.58	49243.51	45917.89	6.42	ppb
Antimony	121-1	1.30	1.41	1.45	1.39	5.46	ppb
Arsenic	75-2	55.00	57.40	64.23	58.88	8.13	ppb
Barium	135-1	455.10	477.46	471.76	468.11	2.48	ppb
Barium	137-1	452.03	472.83	471.32	465.40	2.49	ppb
Beryllium	9-1	1.64	1.59	1.40	1.54	8.44	ppb
Bismuth	209-1				105		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.88	3.11	2.73	2.91	6.68	ppb
Cadmium	106-1	2.83	2.40	3.53	2.92	19.59	ppb
Cadmium	111-1	0.79	0.74	0.93	0.82	11.80	ppb
Calcium	43-1	40057.63	40578.70	40320.35	40318.89	0.65	ppb
Calcium	44-1	38983.26	39956.59	38741.01	39226.95	1.64	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	89.49	91.32	101.07	93.96	6.62	ppb
Cobalt	59-2	48.60	48.75	54.76	50.70	6.93	ppb
Copper	63-2	160.24	164.48	182.57	169.10	7.01	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				99		%
Indium	115-1				97		%
Indium	115-2				93		%
Iron	56-2	86852.49	86801.60	98125.82	90593.30	7.20	ppb
Iron	57-2	85954.81	87871.74	96593.06	90139.87	6.29	ppb
Iron	54-2	86889.94	87523.34	97125.94	90513.07	6.34	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-17	Instrumnet Name :	P7
Client Sample ID :	MYE4A4	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:31:34	DataFile Name :	115SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	27.70	28.01	28.48	28.07	1.40	ppb
Lead	207-1	26.66	26.81	27.07	26.85	0.78	ppb
Lead	208-1	26.73	26.97	27.34	27.01	1.14	ppb
Lithium	6-1				92		%
Magnesium	24-2	28808.60	29526.93	32834.34	30389.96	7.07	ppb
Manganese	55-2	1901.62	1918.97	2154.27	1991.62	7.09	ppb
Molybdenum	94-1	49.68	49.88	50.05	49.87	0.38	ppb
Molybdenum	95-1	1.06	1.11	1.12	1.10	3.11	ppb
Molybdenum	96-1	6.73	6.73	6.88	6.78	1.25	ppb
Molybdenum	97-1	1.09	1.02	1.06	1.06	3.56	ppb
Molybdenum	98-1	1.03	1.04	1.10	1.06	3.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	130.57	134.07	147.93	137.52	6.67	ppb
Phosphorus	31-2	3061.91	3026.40	3353.80	3147.37	5.71	ppb
Potassium	39-2	5466.61	5606.97	6175.51	5749.70	6.53	ppb
Rhodium	103-1				95		%
Rhodium	103-2				94		%
Scandium	45-1				99		%
Scandium	45-2				97		%
Selenium	82-1	0.61	0.36	1.30	0.76	64.63	ppb
Selenium	77-2	12.13	12.02	17.00	13.72	20.76	ppb
Selenium	78-2	3.68	0.79	2.22	2.23	64.95	ppb
Silicon	28-1	1181.67	1172.56	1149.79	1168.01	1.41	ppb
Silver	107-1	0.32	0.31	0.29	0.30	4.98	ppb
Silver	109-1	0.29	0.29	0.26	0.28	6.17	ppb
Sodium	23-2	1422.99	1445.16	1627.40	1498.51	7.49	ppb
Strontium	86-1	663.26	673.33	672.07	669.55	0.82	ppb
Strontium	88-1	691.43	715.56	710.57	705.85	1.80	ppb
Sulfur	34-1	-1071.26	-1245.98	-1406.87	-1241.37		ppb
Terbium	159-1				102		%
Terbium	159-2				97		%
Thallium	203-1	0.26	0.24	0.23	0.24	5.39	ppb
Thallium	205-1	0.23	0.24	0.23	0.23	1.94	ppb
Tin	118-1	2.20	2.29	2.39	2.29	4.18	ppb
Titanium	47-1	1972.32	1983.09	1962.99	1972.80	0.51	ppb

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-17	Instrumnet Name :	P7
Client Sample ID :	MYE4A4	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:31:34	DataFile Name :	115SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.97	1.01	1.01	1.00	2.04	ppb
Vanadium	51-2	176.30	177.79	199.33	184.48	6.98	ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	168.11	174.57	190.56	177.75	6.50	ppb
Zirconium	90-1	29.34	29.99	30.01	29.78	1.27	ppb
Zirconium	91-1	29.30	30.15	29.74	29.73	1.43	ppb

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-18	Instrumnet Name :	P7
Client Sample ID :	MYE4A5	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:34:44	DataFile Name :	116SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46578.88	45794.91	45873.80	46082.53	0.94	ppb
Antimony	121-1	2.27	2.36	2.44	2.36	3.75	ppb
Arsenic	75-2	115.48	114.27	117.39	115.71	1.36	ppb
Barium	135-1	514.26	531.63	531.65	525.85	1.91	ppb
Barium	137-1	507.96	528.79	525.38	520.71	2.15	ppb
Beryllium	9-1	1.75	1.92	1.73	1.80	5.59	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.12	3.19	2.93	2.75	20.41	ppb
Cadmium	106-1	1.86	2.03	2.00	1.96	4.69	ppb
Cadmium	111-1	1.99	2.08	2.13	2.07	3.36	ppb
Calcium	43-1	28687.94	29150.72	30067.91	29302.19	2.40	ppb
Calcium	44-1	28134.38	28334.94	28484.29	28317.87	0.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	101.76	100.24	101.44	101.15	0.79	ppb
Cobalt	59-2	47.94	47.32	47.77	47.68	0.67	ppb
Copper	63-2	334.92	336.20	335.19	335.44	0.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				101		%
Indium	115-1				98		%
Indium	115-2				98		%
Iron	56-2	95849.43	94815.97	97066.72	95910.71	1.17	ppb
Iron	57-2	93323.12	94372.02	92720.85	93472.00	0.89	ppb
Iron	54-2	94521.32	93437.91	96215.32	94724.85	1.48	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-18	Instrumnet Name :	P7
Client Sample ID :	MYE4A5	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:34:44	DataFile Name :	116SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	73.47	75.26	75.65	74.79	1.56	ppb
Lead	207-1	71.27	73.34	73.51	72.71	1.72	ppb
Lead	208-1	71.49	73.70	73.77	72.99	1.77	ppb
Lithium	6-1				90		%
Magnesium	24-2	21178.67	20913.65	20895.83	20996.05	0.75	ppb
Manganese	55-2	2458.07	2443.73	2514.51	2472.10	1.51	ppb
Molybdenum	94-1	19.31	20.17	20.33	19.94	2.74	ppb
Molybdenum	95-1	1.57	1.65	1.55	1.59	3.27	ppb
Molybdenum	96-1	4.19	4.16	4.10	4.15	1.00	ppb
Molybdenum	97-1	1.63	1.67	1.63	1.64	1.34	ppb
Molybdenum	98-1	1.52	1.59	1.54	1.55	2.46	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	93.10	91.71	92.81	92.54	0.79	ppb
Phosphorus	31-2	3065.92	3064.88	3115.72	3082.17	0.94	ppb
Potassium	39-2	12918.74	13029.32	13082.47	13010.18	0.64	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	1.66	2.54	1.88	2.03	22.63	ppb
Selenium	77-2	15.53	18.24	19.78	17.85	12.06	ppb
Selenium	78-2	1.74	2.01	2.80	2.18	25.24	ppb
Silicon	28-1	1405.78	1442.98	1487.44	1445.40	2.83	ppb
Silver	107-1	0.79	0.85	0.86	0.83	4.18	ppb
Silver	109-1	0.83	0.83	0.86	0.84	2.31	ppb
Sodium	23-2	310.45	310.06	315.12	311.88	0.90	ppb
Strontium	86-1	110.63	113.19	112.51	112.11	1.18	ppb
Strontium	88-1	117.78	120.56	119.84	119.39	1.21	ppb
Sulfur	34-1	-1667.11	-1844.44	-1821.74	-1777.76		ppb
Terbium	159-1				101		%
Terbium	159-2				100		%
Thallium	203-1	0.35	0.39	0.40	0.38	6.88	ppb
Thallium	205-1	0.37	0.38	0.38	0.38	1.39	ppb
Tin	118-1	2.76	2.72	2.70	2.73	1.05	ppb
Titanium	47-1	964.15	989.33	1004.76	986.08	2.08	ppb

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-18	Instrumnet Name :	P7
Client Sample ID :	MYE4A5	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:34:44	DataFile Name :	116SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.05	1.08	1.08	1.07	1.37	ppb
Vanadium	51-2	175.83	175.00	178.26	176.37	0.96	ppb
Yttrium	89-1				106		%
Yttrium	89-2				106		%
Zinc	66-2	290.75	292.76	290.58	291.36	0.42	ppb
Zirconium	90-1	10.98	11.40	11.29	11.22	1.92	ppb
Zirconium	91-1	11.26	11.06	11.28	11.20	1.07	ppb

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-19	Instrumnet Name :	P7
Client Sample ID :	MYE4A6	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:37:52	DataFile Name :	117SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	45732.64	45144.15	44874.71	45250.50	0.97	ppb
Antimony	121-1	1.99	1.94	1.99	1.97	1.43	ppb
Arsenic	75-2	91.91	91.07	87.82	90.27	2.39	ppb
Barium	135-1	453.14	455.42	467.76	458.78	1.71	ppb
Barium	137-1	454.71	456.01	464.51	458.41	1.16	ppb
Beryllium	9-1	1.58	1.63	1.46	1.56	5.83	ppb
Bismuth	209-1				105		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.35	2.36	2.99	2.57	14.17	ppb
Cadmium	106-1	1.99	1.98	1.84	1.93	4.29	ppb
Cadmium	111-1	1.57	1.65	1.55	1.59	3.52	ppb
Calcium	43-1	22642.91	22868.74	23756.01	23089.22	2.55	ppb
Calcium	44-1	21709.68	22240.57	23088.96	22346.40	3.11	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	93.35	92.53	91.24	92.37	1.15	ppb
Cobalt	59-2	42.27	42.30	41.63	42.07	0.91	ppb
Copper	63-2	259.14	257.62	253.97	256.91	1.03	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				103		%
Indium	115-1				97		%
Indium	115-2				97		%
Iron	56-2	84777.94	84298.13	83753.48	84276.52	0.61	ppb
Iron	57-2	82594.49	82886.60	82073.91	82518.33	0.50	ppb
Iron	54-2	84557.72	83362.67	83442.51	83787.63	0.80	ppb
Krypton	83-1						cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-19	Instrumnet Name :	P7
Client Sample ID :	MYE4A6	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:37:52	DataFile Name :	117SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	58.05	58.93	59.56	58.85	1.28	ppb
Lead	207-1	56.07	56.95	58.30	57.11	1.97	ppb
Lead	208-1	56.59	57.37	58.04	57.33	1.27	ppb
Lithium	6-1				92		%
Magnesium	24-2	19582.95	19130.91	18875.00	19196.29	1.87	ppb
Manganese	55-2	2200.35	2141.35	2177.89	2173.19	1.37	ppb
Molybdenum	94-1	18.73	19.72	19.69	19.38	2.90	ppb
Molybdenum	95-1	1.46	1.30	1.39	1.38	6.02	ppb
Molybdenum	96-1	3.60	3.75	3.78	3.71	2.61	ppb
Molybdenum	97-1	1.37	1.42	1.36	1.38	2.24	ppb
Molybdenum	98-1	1.26	1.36	1.33	1.32	3.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	82.43	81.01	81.07	81.50	0.99	ppb
Phosphorus	31-2	2371.83	2284.92	2219.19	2291.98	3.34	ppb
Potassium	39-2	11230.82	10986.41	10870.72	11029.32	1.67	ppb
Rhodium	103-1				95		%
Rhodium	103-2				97		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	1.03	1.98	1.07	1.36	39.24	ppb
Selenium	77-2	14.70	16.50	14.94	15.38	6.35	ppb
Selenium	78-2	0.31	0.38	2.04	0.91	108.07	ppb
Silicon	28-1	1275.34	1297.62	1349.75	1307.57	2.92	ppb
Silver	107-1	0.62	0.63	0.67	0.64	3.57	ppb
Silver	109-1	0.63	0.61	0.66	0.64	3.88	ppb
Sodium	23-2	286.50	284.90	283.62	285.01	0.51	ppb
Strontium	86-1	103.74	105.36	107.86	105.65	1.97	ppb
Strontium	88-1	109.08	113.43	112.45	111.65	2.04	ppb
Sulfur	34-1	-2117.13	-2272.37	-2129.21	-2172.91		ppb
Terbium	159-1				101		%
Terbium	159-2				100		%
Thallium	203-1	0.30	0.35	0.37	0.34	11.18	ppb
Thallium	205-1	0.35	0.35	0.34	0.35	1.58	ppb
Tin	118-1	2.48	2.53	2.50	2.50	0.99	ppb
Titanium	47-1	983.37	995.78	1035.87	1005.01	2.73	ppb

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-19	Instrumnet Name :	P7
Client Sample ID :	MYE4A6	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:37:52	DataFile Name :	117SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.89	0.92	0.92	0.91	2.19	ppb
Vanadium	51-2	157.23	157.42	153.96	156.20	1.25	ppb
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-2	245.71	242.01	240.65	242.79	1.08	ppb
Zirconium	90-1	10.72	10.96	11.36	11.01	2.95	ppb
Zirconium	91-1	10.92	10.92	11.25	11.03	1.74	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-20	Instrumnet Name :	P7
Client Sample ID :	MYE4A7	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:41:03	DataFile Name :	118SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52315.67	52007.16	51925.65	52082.83	0.39	ppb
Antimony	121-1	2.26	2.29	2.36	2.30	2.39	ppb
Arsenic	75-2	133.65	135.57	135.53	134.91	0.81	ppb
Barium	135-1	605.01	621.07	633.36	619.81	2.29	ppb
Barium	137-1	605.79	618.67	629.71	618.06	1.94	ppb
Beryllium	9-1	1.71	2.06	1.94	1.90	9.53	ppb
Bismuth	209-1				105		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.00	1.92	2.53	2.15	15.49	ppb
Cadmium	106-1	0.87	1.22	1.38	1.16	22.22	ppb
Cadmium	111-1	0.94	0.95	0.95	0.95	0.89	ppb
Calcium	43-1	27689.35	27962.88	28297.19	27983.14	1.09	ppb
Calcium	44-1	27038.32	27275.58	27479.76	27264.55	0.81	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	109.49	109.17	109.77	109.48	0.28	ppb
Cobalt	59-2	55.84	55.07	55.53	55.48	0.71	ppb
Copper	63-2	208.66	207.83	208.52	208.34	0.21	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				102		%
Indium	115-1				97		%
Indium	115-2				96		%
Iron	56-2	114213.01	113532.62	113772.18	113839.27	0.30	ppb
Iron	57-2	112753.60	111403.76	110755.13	111637.50	0.91	ppb
Iron	54-2	112969.37	112836.02	113155.88	112987.09	0.14	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-20	Instrumnet Name :	P7
Client Sample ID :	MYE4A7	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:41:03	DataFile Name :	118SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	42.50	43.08	43.49	43.03	1.16	ppb
Lead	207-1	40.32	41.28	41.30	40.97	1.37	ppb
Lead	208-1	41.00	41.77	42.09	41.62	1.35	ppb
Lithium	6-1				94		%
Magnesium	24-2	23846.70	24127.58	24016.06	23996.78	0.59	ppb
Manganese	55-2	3153.70	3176.15	3168.67	3166.17	0.36	ppb
Molybdenum	94-1	25.52	26.76	26.34	26.21	2.40	ppb
Molybdenum	95-1	2.16	2.18	2.13	2.15	1.10	ppb
Molybdenum	96-1	5.34	5.41	5.32	5.36	0.86	ppb
Molybdenum	97-1	2.04	2.13	2.02	2.06	2.86	ppb
Molybdenum	98-1	1.99	2.18	1.96	2.04	5.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	104.50	104.10	105.34	104.65	0.60	ppb
Phosphorus	31-2	2678.31	2662.07	2696.10	2678.83	0.64	ppb
Potassium	39-2	12750.63	12631.04	12632.56	12671.41	0.54	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				102		%
Scandium	45-2				100		%
Selenium	82-1	2.00	1.32	1.13	1.48	30.82	ppb
Selenium	77-2	16.16	14.37	18.11	16.21	11.55	ppb
Selenium	78-2	2.63	4.17	4.39	3.73	25.80	ppb
Silicon	28-1	1381.31	1376.33	1366.54	1374.73	0.55	ppb
Silver	107-1	0.35	0.36	0.40	0.37	7.41	ppb
Silver	109-1	0.35	0.37	0.39	0.37	4.52	ppb
Sodium	23-2	258.15	260.34	260.26	259.58	0.48	ppb
Strontium	86-1	109.95	111.54	110.43	110.64	0.74	ppb
Strontium	88-1	114.81	119.28	117.23	117.11	1.91	ppb
Sulfur	34-1	-2345.62	-2283.52	-2366.36	-2331.83		ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	0.38	0.35	0.37	0.37	3.75	ppb
Thallium	205-1	0.38	0.39	0.37	0.38	2.64	ppb
Tin	118-1	2.29	2.29	2.36	2.31	1.68	ppb
Titanium	47-1	978.38	980.34	990.59	983.10	0.67	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-20	Instrumnet Name :	P7
Client Sample ID :	MYE4A7	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:41:03	DataFile Name :	118SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.11	1.15	1.14	1.13	2.09	ppb
Vanadium	51-2	203.64	201.89	202.33	202.62	0.45	ppb
Yttrium	89-1				104		%
Yttrium	89-2				106		%
Zinc	66-2	237.09	239.31	237.97	238.12	0.47	ppb
Zirconium	90-1	14.36	15.04	14.93	14.77	2.48	ppb
Zirconium	91-1	14.47	15.10	14.91	14.83	2.19	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-21	Instrumnet Name :	P7
Client Sample ID :	MYE4A8	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:44:12	DataFile Name :	119SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	44577.12	44074.75	43872.10	44174.66	0.82	ppb
Antimony	121-1	2.50	2.41	2.41	2.44	2.02	ppb
Arsenic	75-2	124.29	125.47	126.53	125.43	0.89	ppb
Barium	135-1	727.91	724.24	718.58	723.58	0.65	ppb
Barium	137-1	788.27	794.01	791.42	791.23	0.36	ppb
Beryllium	9-1	1.87	1.89	1.92	1.89	1.46	ppb
Bismuth	209-1				105		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.55	2.68	2.08	2.44	12.90	ppb
Cadmium	106-1	1.21	1.67	1.04	1.31	24.92	ppb
Cadmium	111-1	1.34	1.34	1.38	1.36	1.82	ppb
Calcium	43-1	35313.57	36905.26	36539.67	36252.83	2.30	ppb
Calcium	44-1	35184.26	35556.36	35311.94	35350.85	0.53	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	97.98	97.07	96.69	97.25	0.68	ppb
Cobalt	59-2	48.09	48.08	47.76	47.98	0.39	ppb
Copper	63-2	222.88	218.79	217.84	219.84	1.22	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				101		%
Indium	115-1				97		%
Indium	115-2				96		%
Iron	56-2	117744.58	116475.73	117606.96	117275.76	0.59	ppb
Iron	57-2	117051.27	115684.09	115916.62	116217.33	0.63	ppb
Iron	54-2	116171.13	116809.98	115299.81	116093.64	0.65	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-21	Instrumnet Name :	P7
Client Sample ID :	MYE4A8	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:44:12	DataFile Name :	119SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	63.05	62.56	63.86	63.15	1.04	ppb
Lead	207-1	60.13	60.73	61.86	60.90	1.44	ppb
Lead	208-1	60.87	61.25	62.05	61.39	0.99	ppb
Lithium	6-1				92		%
Magnesium	24-2	22409.12	21947.49	22026.50	22127.71	1.12	ppb
Manganese	55-2	4878.92	4898.92	4867.81	4881.88	0.32	ppb
Molybdenum	94-1	21.49	22.00	21.78	21.76	1.18	ppb
Molybdenum	95-1	1.40	1.55	1.44	1.46	5.02	ppb
Molybdenum	96-1	4.24	4.30	4.14	4.23	1.92	ppb
Molybdenum	97-1	1.42	1.40	1.34	1.39	2.83	ppb
Molybdenum	98-1	1.34	1.36	1.37	1.36	1.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	89.87	89.57	89.90	89.78	0.21	ppb
Phosphorus	31-2	2167.85	2177.77	2169.58	2171.74	0.24	ppb
Potassium	39-2	9662.41	9538.31	9599.53	9600.08	0.65	ppb
Rhodium	103-1				94		%
Rhodium	103-2				95		%
Scandium	45-1				100		%
Scandium	45-2				98		%
Selenium	82-1	1.48	1.68	0.94	1.37	28.02	ppb
Selenium	77-2	15.37	13.34	18.15	15.62	15.46	ppb
Selenium	78-2	2.65	4.94	2.76	3.45	37.42	ppb
Silicon	28-1	1401.00	1423.07	1424.99	1416.36	0.94	ppb
Silver	107-1	0.43	0.44	0.42	0.43	2.38	ppb
Silver	109-1	0.43	0.40	0.44	0.42	4.31	ppb
Sodium	23-2	211.99	210.93	213.02	211.98	0.49	ppb
Strontium	86-1	94.97	95.09	95.08	95.05	0.07	ppb
Strontium	88-1	98.19	101.40	100.85	100.15	1.72	ppb
Sulfur	34-1	-1951.83	-1821.63	-1796.86	-1856.77		ppb
Terbium	159-1				100		%
Terbium	159-2				98		%
Thallium	203-1	0.45	0.47	0.48	0.47	3.03	ppb
Thallium	205-1	0.46	0.46	0.46	0.46	0.89	ppb
Tin	118-1	2.72	2.61	2.69	2.67	2.09	ppb
Titanium	47-1	796.00	817.45	809.34	807.60	1.34	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-21	Instrumnet Name :	P7
Client Sample ID :	MYE4A8	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:44:12	DataFile Name :	119SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.78	0.79	0.79	0.78	0.99	ppb
Vanadium	51-2	208.82	206.77	207.43	207.67	0.50	ppb
Yttrium	89-1				102		%
Yttrium	89-2				103		%
Zinc	66-2	248.18	246.98	247.07	247.41	0.27	ppb
Zirconium	90-1	12.37	12.56	12.60	12.51	0.98	ppb
Zirconium	91-1	12.23	12.78	12.61	12.54	2.23	ppb

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-22	Instrumnet Name :	P7
Client Sample ID :	MYE4A9	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:47:23	DataFile Name :	120SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	54872.36	55086.41	55958.00	55305.59	1.04	ppb
Antimony	121-1	2.50	2.58	2.60	2.56	2.02	ppb
Arsenic	75-2	190.49	190.59	194.93	192.00	1.32	ppb
Barium	135-1	627.92	639.61	641.71	636.41	1.17	ppb
Barium	137-1	621.52	630.36	637.50	629.79	1.27	ppb
Beryllium	9-1	1.86	2.03	1.88	1.92	4.82	ppb
Bismuth	209-1				105		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.60	3.31	3.27	3.06	13.00	ppb
Cadmium	106-1	3.09	3.29	2.67	3.02	10.49	ppb
Cadmium	111-1	2.32	2.33	2.42	2.36	2.35	ppb
Calcium	43-1	24218.17	25075.09	25040.73	24778.00	1.96	ppb
Calcium	44-1	23585.67	24240.31	24137.70	23987.89	1.47	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	120.25	122.05	122.42	121.57	0.96	ppb
Cobalt	59-2	56.54	56.62	56.73	56.63	0.17	ppb
Copper	63-2	359.86	357.90	361.15	359.63	0.46	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				101		%
Indium	115-1				95		%
Indium	115-2				95		%
Iron	56-2	109716.92	107972.16	109695.34	109128.14	0.92	ppb
Iron	57-2	106890.12	107203.96	106353.51	106815.86	0.40	ppb
Iron	54-2	109241.94	107453.96	107262.05	107985.98	1.01	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-22	Instrumnet Name :	P7
Client Sample ID :	MYE4A9	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:47:23	DataFile Name :	120SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	86.03	87.12	89.50	87.55	2.03	ppb
Lead	207-1	82.59	84.02	86.63	84.41	2.43	ppb
Lead	208-1	83.43	84.57	87.33	85.11	2.36	ppb
Lithium	6-1				93		%
Magnesium	24-2	25082.74	25160.03	25524.63	25255.80	0.93	ppb
Manganese	55-2	2893.82	2863.30	2927.01	2894.71	1.10	ppb
Molybdenum	94-1	28.53	29.52	29.24	29.10	1.76	ppb
Molybdenum	95-1	1.53	1.50	1.54	1.53	1.30	ppb
Molybdenum	96-1	5.09	5.10	5.12	5.11	0.31	ppb
Molybdenum	97-1	1.48	1.50	1.54	1.51	1.95	ppb
Molybdenum	98-1	1.42	1.44	1.50	1.46	2.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	119.23	119.08	118.40	118.90	0.37	ppb
Phosphorus	31-2	2817.93	2759.08	2806.37	2794.46	1.12	ppb
Potassium	39-2	15075.01	14985.78	15152.70	15071.16	0.55	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				100		%
Scandium	45-2				98		%
Selenium	82-1	2.52	1.75	1.78	2.02	21.81	ppb
Selenium	77-2	18.38	18.03	15.33	17.24	9.68	ppb
Selenium	78-2	3.79	3.88	4.12	3.93	4.29	ppb
Silicon	28-1	1649.14	1689.37	1708.18	1682.23	1.79	ppb
Silver	107-1	0.86	0.90	0.92	0.89	3.25	ppb
Silver	109-1	0.86	0.88	0.89	0.88	1.84	ppb
Sodium	23-2	307.53	308.28	308.85	308.22	0.21	ppb
Strontium	86-1	131.63	137.35	137.30	135.43	2.43	ppb
Strontium	88-1	139.82	143.00	142.42	141.75	1.20	ppb
Sulfur	34-1	-2317.17	-2267.31	-2365.22	-2316.57		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.38	0.41	0.41	0.40	4.74	ppb
Thallium	205-1	0.41	0.41	0.44	0.42	4.55	ppb
Tin	118-1	2.95	3.04	3.07	3.02	1.95	ppb
Titanium	47-1	1079.23	1130.36	1134.52	1114.70	2.76	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-22	Instrumnet Name :	P7
Client Sample ID :	MYE4A9	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:47:23	DataFile Name :	120SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.12	1.10	1.18	1.13	3.57	ppb
Vanadium	51-2	203.51	202.78	205.37	203.89	0.66	ppb
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-2	305.19	304.98	308.93	306.37	0.73	ppb
Zirconium	90-1	16.35	16.89	16.98	16.74	2.06	ppb
Zirconium	91-1	16.53	16.90	16.73	16.72	1.12	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 18:50:31	DataFile Name :	121SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10455.81	10308.57	10276.62	10347.00	0.92	ppb
Antimony	121-1	0.73	0.80	0.78	0.77	4.51	ppb
Arsenic	75-2	57.53	58.13	58.22	57.96	0.65	ppb
Barium	135-1	136.13	137.22	136.87	136.74	0.41	ppb
Barium	137-1	135.83	137.30	137.32	136.82	0.62	ppb
Beryllium	9-1	0.40	0.41	0.45	0.42	5.94	ppb
Bismuth	209-1				106		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.27	0.60	0.80	0.89	38.88	ppb
Cadmium	106-1	-0.09	-0.93	-0.34	-0.45		ppb
Cadmium	111-1	0.55	0.49	0.47	0.51	8.41	ppb
Calcium	43-1	3368.90	3445.43	3461.13	3425.15	1.44	ppb
Calcium	44-1	3358.65	3488.79	3516.41	3454.61	2.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	24.07	23.68	23.68	23.81	0.93	ppb
Cobalt	59-2	12.84	12.77	12.70	12.77	0.53	ppb
Copper	63-2	88.38	87.08	86.93	87.46	0.91	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				101		%
Indium	115-1				97		%
Indium	115-2				95		%
Iron	56-2	24565.26	24567.94	24373.90	24502.37	0.45	ppb
Iron	57-2	24476.85	24245.29	24077.05	24266.40	0.83	ppb
Iron	54-2	24692.23	24318.17	24419.68	24476.69	0.79	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 18:50:31	DataFile Name :	121SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	21.79	21.54	21.72	21.68	0.60	ppb
Lead	207-1	20.81	21.09	20.98	20.96	0.67	ppb
Lead	208-1	21.03	21.13	21.05	21.07	0.25	ppb
Lithium	6-1				93		%
Magnesium	24-2	4879.13	4863.77	4833.37	4858.76	0.48	ppb
Manganese	55-2	861.40	869.58	859.82	863.60	0.61	ppb
Molybdenum	94-1	5.40	5.64	5.78	5.61	3.36	ppb
Molybdenum	95-1	0.46	0.54	0.52	0.50	8.64	ppb
Molybdenum	96-1	1.16	1.22	1.17	1.18	2.89	ppb
Molybdenum	97-1	0.49	0.54	0.52	0.52	4.28	ppb
Molybdenum	98-1	0.46	0.45	0.49	0.47	4.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	22.26	22.93	22.67	22.62	1.48	ppb
Phosphorus	31-2	841.12	815.98	763.44	806.85	4.91	ppb
Potassium	39-2	3590.23	3553.09	3512.82	3552.04	1.09	ppb
Rhodium	103-1				94		%
Rhodium	103-2				95		%
Scandium	45-1				92		%
Scandium	45-2				90		%
Selenium	82-1	0.75	0.46	1.06	0.76	39.41	ppb
Selenium	77-2	3.74	3.45	4.99	4.06	20.18	ppb
Selenium	78-2	0.24	0.52	1.59	0.78	91.11	ppb
Silicon	28-1	484.41	516.03	507.29	502.57	3.25	ppb
Silver	107-1	0.24	0.22	0.20	0.22	8.87	ppb
Silver	109-1	0.24	0.22	0.22	0.23	4.78	ppb
Sodium	23-2	82.52	86.77	78.02	82.44	5.31	ppb
Strontium	86-1	27.98	28.06	28.54	28.19	1.07	ppb
Strontium	88-1	27.64	28.30	28.73	28.22	1.95	ppb
Sulfur	34-1	-2348.61	-2273.14	-2273.37	-2298.37		ppb
Terbium	159-1				99		%
Terbium	159-2				99		%
Thallium	203-1	0.09	0.09	0.09	0.09	3.13	ppb
Thallium	205-1	0.08	0.09	0.09	0.09	0.97	ppb
Tin	118-1	1.16	1.15	1.17	1.16	0.90	ppb
Titanium	47-1	237.12	249.43	245.45	244.00	2.58	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 18:50:31	DataFile Name :	121SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.34	0.34	0.32	0.33	4.29	ppb
Vanadium	51-2	43.12	42.51	42.47	42.70	0.84	ppb
Yttrium	89-1				95		%
Yttrium	89-2				97		%
Zinc	66-2	89.42	88.49	85.42	87.77	2.39	ppb
Zirconium	90-1	3.04	3.13	3.20	3.12	2.45	ppb
Zirconium	91-1	3.09	3.12	3.06	3.09	0.94	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-05DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 18:53:46	DataFile Name :	122SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10515.23	10379.64	10546.67	10480.51	0.85	ppb
Antimony	121-1	0.74	0.77	0.72	0.74	3.14	ppb
Arsenic	75-2	51.38	51.67	51.20	51.42	0.47	ppb
Barium	135-1	127.00	130.14	129.53	128.89	1.29	ppb
Barium	137-1	125.18	129.30	129.15	127.88	1.83	ppb
Beryllium	9-1	0.40	0.39	0.33	0.37	9.47	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.86	0.72	0.79	0.79	8.91	ppb
Cadmium	106-1	-0.85	-0.57	-0.46	-0.63		ppb
Cadmium	111-1	0.47	0.53	0.44	0.48	9.29	ppb
Calcium	43-1	3231.69	3303.78	3356.71	3297.39	1.90	ppb
Calcium	44-1	3272.51	3347.98	3376.06	3332.19	1.61	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	24.11	23.91	24.12	24.04	0.50	ppb
Cobalt	59-2	12.71	12.57	12.36	12.55	1.39	ppb
Copper	63-2	86.78	86.44	87.75	86.99	0.78	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				101		%
Indium	115-1				95		%
Indium	115-2				95		%
Iron	56-2	24198.30	24045.35	24556.48	24266.71	1.08	ppb
Iron	57-2	24227.65	24196.55	24410.35	24278.19	0.48	ppb
Iron	54-2	24606.33	23976.22	24303.99	24295.51	1.30	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-05DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 18:53:46	DataFile Name :	122SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	20.89	21.11	21.35	21.12	1.09	ppb
Lead	207-1	20.19	20.98	20.53	20.57	1.93	ppb
Lead	208-1	20.24	20.84	20.75	20.61	1.57	ppb
Lithium	6-1				96		%
Magnesium	24-2	4851.03	4847.43	4892.29	4863.58	0.51	ppb
Manganese	55-2	778.97	778.07	783.28	780.10	0.36	ppb
Molybdenum	94-1	5.38	5.91	5.59	5.63	4.74	ppb
Molybdenum	95-1	0.51	0.45	0.52	0.50	8.00	ppb
Molybdenum	96-1	1.07	1.22	1.19	1.16	6.69	ppb
Molybdenum	97-1	0.50	0.50	0.50	0.50	0.78	ppb
Molybdenum	98-1	0.44	0.46	0.47	0.46	3.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	21.99	22.32	22.58	22.30	1.33	ppb
Phosphorus	31-2	811.05	846.80	794.51	817.45	3.27	ppb
Potassium	39-2	3535.17	3516.90	3542.27	3531.45	0.37	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				93		%
Scandium	45-2				89		%
Selenium	82-1	0.64	1.75	0.77	1.05	57.38	ppb
Selenium	77-2	3.85	3.91	2.71	3.49	19.35	ppb
Selenium	78-2	-0.71	2.76	0.39	0.81	217.59	ppb
Silicon	28-1	463.57	473.04	470.78	469.13	1.05	ppb
Silver	107-1	0.21	0.21	0.22	0.21	4.75	ppb
Silver	109-1	0.20	0.22	0.21	0.21	4.70	ppb
Sodium	23-2	74.19	73.38	75.19	74.25	1.22	ppb
Strontium	86-1	26.77	27.26	27.57	27.20	1.49	ppb
Strontium	88-1	27.12	27.53	27.55	27.40	0.88	ppb
Sulfur	34-1	-2411.88	-2396.73	-2425.19	-2411.27		ppb
Terbium	159-1				99		%
Terbium	159-2				98		%
Thallium	203-1	0.07	0.10	0.07	0.08	22.81	ppb
Thallium	205-1	0.09	0.09	0.09	0.09	2.44	ppb
Tin	118-1	1.04	1.04	1.01	1.03	1.52	ppb
Titanium	47-1	236.46	240.81	241.59	239.62	1.15	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-05DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 18:53:46	DataFile Name :	122SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.31	0.33	0.32	0.32	3.25	ppb
Vanadium	51-2	42.46	42.27	42.88	42.54	0.72	ppb
Yttrium	89-1				95		%
Yttrium	89-2				95		%
Zinc	66-2	82.96	84.64	84.35	83.98	1.07	ppb
Zirconium	90-1	2.96	3.17	3.16	3.10	3.79	ppb
Zirconium	91-1	3.15	3.18	3.08	3.14	1.74	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYE453L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 18:56:59	DataFile Name :	123SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2000.20	1994.49	2025.26	2006.65	0.82	ppb
Antimony	121-1	0.15	0.15	0.18	0.16	12.58	ppb
Arsenic	75-2	11.97	11.37	10.80	11.38	5.13	ppb
Barium	135-1	25.53	26.65	27.05	26.41	2.99	ppb
Barium	137-1	25.45	27.14	27.19	26.59	3.72	ppb
Beryllium	9-1	0.08	0.11	0.11	0.10	14.86	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	-0.02	0.02	0.00	598.02	ppb
Cadmium	106-1	-1.56	-2.31	-1.41	-1.76		ppb
Cadmium	111-1	-0.03	-0.01	0.00	-0.01		ppb
Calcium	43-1	641.51	691.55	677.28	670.11	3.85	ppb
Calcium	44-1	640.41	660.95	668.82	656.73	2.23	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.62	4.61	4.74	4.66	1.49	ppb
Cobalt	59-2	2.44	2.53	2.50	2.49	1.72	ppb
Copper	63-2	16.60	17.03	16.98	16.87	1.40	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				99		%
Indium	115-1				95		%
Indium	115-2				95		%
Iron	56-2	4739.91	4758.85	4794.01	4764.26	0.58	ppb
Iron	57-2	4733.44	4753.36	4771.07	4752.62	0.40	ppb
Iron	54-2	4827.10	4813.76	4859.68	4833.51	0.49	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYE453L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 18:56:59	DataFile Name :	123SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.21	4.19	4.40	4.27	2.72	ppb
Lead	207-1	4.07	4.17	4.14	4.13	1.25	ppb
Lead	208-1	4.12	4.14	4.26	4.17	1.75	ppb
Lithium	6-1				95		%
Magnesium	24-2	948.54	939.95	950.07	946.18	0.58	ppb
Manganese	55-2	164.88	164.50	166.49	165.29	0.64	ppb
Molybdenum	94-1	1.04	1.09	1.16	1.09	5.64	ppb
Molybdenum	95-1	0.10	0.08	0.10	0.09	15.62	ppb
Molybdenum	96-1	0.26	0.21	0.26	0.24	11.61	ppb
Molybdenum	97-1	0.07	0.09	0.07	0.08	13.86	ppb
Molybdenum	98-1	0.08	0.10	0.09	0.09	9.93	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.32	4.40	4.54	4.42	2.55	ppb
Phosphorus	31-2	160.95	136.45	155.63	151.01	8.53	ppb
Potassium	39-2	683.92	693.13	691.23	689.43	0.71	ppb
Rhodium	103-1				94		%
Rhodium	103-2				95		%
Scandium	45-1				91		%
Scandium	45-2				89		%
Selenium	82-1	0.61	0.86	1.32	0.93	38.82	ppb
Selenium	77-2	1.19	0.03	0.02	0.41	164.34	ppb
Selenium	78-2	-0.63	1.31	-0.09	0.20	511.80	ppb
Silicon	28-1	95.45	98.46	99.91	97.94	2.32	ppb
Silver	107-1	0.04	0.05	0.05	0.05	6.74	ppb
Silver	109-1	0.04	0.04	0.04	0.04	3.60	ppb
Sodium	23-2	20.17	23.27	24.22	22.55	9.38	ppb
Strontium	86-1	5.19	5.47	5.65	5.43	4.23	ppb
Strontium	88-1	5.41	5.57	5.63	5.54	2.12	ppb
Sulfur	34-1	-2516.05	-2386.41	-2253.75	-2385.40		ppb
Terbium	159-1				97		%
Terbium	159-2				98		%
Thallium	203-1	0.02	0.02	0.02	0.02	1.76	ppb
Thallium	205-1	0.01	0.01	0.02	0.01	22.64	ppb
Tin	118-1	0.82	0.87	0.90	0.86	4.78	ppb
Titanium	47-1	46.63	46.99	48.05	47.22	1.57	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYE453L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 18:56:59	DataFile Name :	123SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.05	0.06	0.06	0.06	8.00	ppb
Vanadium	51-2	8.19	8.46	8.28	8.31	1.67	ppb
Yttrium	89-1				92		%
Yttrium	89-2				94		%
Zinc	66-2	17.83	18.24	17.36	17.81	2.47	ppb
Zirconium	90-1	0.64	0.63	0.62	0.63	1.62	ppb
Zirconium	91-1	0.59	0.71	0.67	0.65	9.24	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-06DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:00:17	DataFile Name :	124SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10529.44	10714.24	10712.03	10651.90	1.00	ppb
Antimony	121-1	18.38	18.38	18.46	18.41	0.25	ppb
Arsenic	75-2	63.05	64.15	64.97	64.06	1.51	ppb
Barium	135-1	483.05	488.50	499.86	490.47	1.75	ppb
Barium	137-1	482.70	487.36	495.70	488.59	1.35	ppb
Beryllium	9-1	9.91	10.90	10.44	10.42	4.72	ppb
Bismuth	209-1				105		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.86	9.18	8.86	8.97	2.10	ppb
Cadmium	106-1	7.36	8.05	8.37	7.92	6.50	ppb
Cadmium	111-1	9.23	9.60	9.93	9.59	3.63	ppb
Calcium	43-1	3314.87	3423.81	3359.07	3365.92	1.63	ppb
Calcium	44-1	3339.08	3371.03	3383.78	3364.63	0.68	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	63.17	63.61	63.60	63.46	0.39	ppb
Cobalt	59-2	109.23	110.59	110.90	110.24	0.81	ppb
Copper	63-2	132.86	133.30	133.38	133.18	0.21	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				101		%
Indium	115-1				95		%
Indium	115-2				95		%
Iron	56-2	24465.73	24750.38	24748.36	24654.83	0.66	ppb
Iron	57-2	24501.06	24495.18	24620.45	24538.90	0.29	ppb
Iron	54-2	24551.60	24899.40	24702.22	24717.74	0.71	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-06DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:00:17	DataFile Name :	124SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	24.66	25.21	25.20	25.02	1.28	ppb
Lead	207-1	23.40	24.94	25.02	24.45	3.73	ppb
Lead	208-1	23.83	24.86	24.70	24.46	2.26	ppb
Lithium	6-1				98		%
Magnesium	24-2	4842.31	4852.63	4887.95	4860.97	0.49	ppb
Manganese	55-2	933.63	938.36	950.45	940.81	0.92	ppb
Molybdenum	94-1	5.58	5.49	5.66	5.58	1.57	ppb
Molybdenum	95-1	0.45	0.50	0.51	0.48	6.75	ppb
Molybdenum	96-1	1.12	1.10	1.24	1.15	6.58	ppb
Molybdenum	97-1	0.50	0.48	0.51	0.49	2.61	ppb
Molybdenum	98-1	0.45	0.48	0.44	0.45	4.77	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	123.63	123.66	124.76	124.02	0.52	ppb
Phosphorus	31-2	853.73	863.08	852.25	856.35	0.69	ppb
Potassium	39-2	3518.47	3544.37	3549.27	3537.37	0.47	ppb
Rhodium	103-1				94		%
Rhodium	103-2				95		%
Scandium	45-1				92		%
Scandium	45-2				90		%
Selenium	82-1	20.97	19.04	20.85	20.28	5.33	ppb
Selenium	77-2	28.04	19.51	23.59	23.71	18.01	ppb
Selenium	78-2	20.47	12.88	20.62	17.99	24.60	ppb
Silicon	28-1	491.91	495.93	496.27	494.70	0.49	ppb
Silver	107-1	7.96	8.11	8.35	8.14	2.40	ppb
Silver	109-1	7.90	8.18	8.27	8.12	2.37	ppb
Sodium	23-2	66.75	65.76	69.33	67.28	2.74	ppb
Strontium	86-1	27.42	27.65	28.02	27.70	1.10	ppb
Strontium	88-1	27.93	28.47	28.47	28.29	1.10	ppb
Sulfur	34-1	-2287.84	-2319.09	-2371.14	-2326.02		ppb
Terbium	159-1				98		%
Terbium	159-2				100		%
Thallium	203-1	7.55	7.89	7.99	7.81	2.95	ppb
Thallium	205-1	7.75	8.00	7.96	7.90	1.68	ppb
Tin	118-1	1.09	1.09	1.19	1.12	5.06	ppb
Titanium	47-1	239.17	243.75	242.10	241.67	0.96	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-06DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:00:17	DataFile Name :	124SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.33	0.33	0.33	0.33	0.58	ppb
Vanadium	51-2	138.23	139.24	139.88	139.12	0.60	ppb
Yttrium	89-1				94		%
Yttrium	89-2				97		%
Zinc	66-2	175.25	178.48	180.98	178.24	1.61	ppb
Zirconium	90-1	3.07	3.20	3.17	3.14	2.22	ppb
Zirconium	91-1	3.23	3.24	3.10	3.19	2.46	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:03:29	DataFile Name :	125SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11418.08	11618.68	13004.47	12013.74	7.19	ppb
Antimony	121-1	71.99	73.67	74.42	73.36	1.70	ppb
Arsenic	75-2	81.63	84.07	98.30	88.00	10.23	ppb
Barium	135-1	1592.76	1640.48	1692.40	1641.88	3.03	ppb
Barium	137-1	1622.78	1642.49	1634.72	1633.33	0.61	ppb
Beryllium	9-1	37.57	37.36	38.29	37.74	1.29	ppb
Bismuth	209-1				106		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	36.73	35.75	36.30	36.26	1.37	ppb
Cadmium	106-1	32.72	32.34	33.42	32.83	1.67	ppb
Cadmium	111-1	38.19	38.21	39.24	38.55	1.56	ppb
Calcium	43-1	3114.16	3218.76	3367.58	3233.50	3.94	ppb
Calcium	44-1	3198.28	3251.38	3327.87	3259.18	2.00	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	173.82	175.10	199.52	182.81	7.92	ppb
Cobalt	59-2	387.51	389.31	451.77	409.53	8.93	ppb
Copper	63-2	262.78	263.85	300.68	275.77	7.83	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				97		%
Indium	115-1				95		%
Indium	115-2				90		%
Iron	56-2	24537.65	24667.99	28043.10	25749.58	7.72	ppb
Iron	57-2	24594.85	24560.25	28098.28	25751.12	7.89	ppb
Iron	54-2	25045.19	24637.31	28013.14	25898.55	7.11	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:03:29	DataFile Name :	125SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	33.58	34.20	34.42	34.07	1.27	ppb
Lead	207-1	33.37	33.34	33.37	33.36	0.04	ppb
Lead	208-1	33.17	33.50	33.72	33.46	0.83	ppb
Lithium	6-1				99		%
Magnesium	24-2	4779.34	4812.62	5429.05	5007.00	7.31	ppb
Manganese	55-2	1212.51	1192.98	1358.95	1254.81	7.23	ppb
Molybdenum	94-1	5.47	5.26	5.61	5.45	3.23	ppb
Molybdenum	95-1	0.51	0.46	0.50	0.49	5.47	ppb
Molybdenum	96-1	1.09	1.10	1.16	1.12	3.57	ppb
Molybdenum	97-1	0.46	0.44	0.49	0.46	6.01	ppb
Molybdenum	98-1	0.47	0.49	0.48	0.48	2.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	411.66	413.37	469.81	431.61	7.67	ppb
Phosphorus	31-2	779.69	799.21	933.54	837.48	10.00	ppb
Potassium	39-2	3457.64	3477.49	3986.20	3640.44	8.23	ppb
Rhodium	103-1				93		%
Rhodium	103-2				90		%
Scandium	45-1				93		%
Scandium	45-2				85		%
Selenium	82-1	80.59	80.63	82.37	81.20	1.25	ppb
Selenium	77-2	86.47	68.85	93.69	83.00	15.40	ppb
Selenium	78-2	79.16	79.47	92.81	83.81	9.30	ppb
Silicon	28-1	470.37	481.08	492.58	481.34	2.31	ppb
Silver	107-1	24.14	23.58	26.23	24.65	5.66	ppb
Silver	109-1	30.04	23.23	25.92	26.40	13.01	ppb
Sodium	23-2	93.96	95.79	117.59	102.45	12.83	ppb
Strontium	86-1	27.17	26.81	27.12	27.03	0.73	ppb
Strontium	88-1	27.19	27.28	27.49	27.32	0.56	ppb
Sulfur	34-1	-2382.41	-2476.82	-2391.05	-2416.76		ppb
Terbium	159-1				98		%
Terbium	159-2				95		%
Thallium	203-1	32.29	31.47	32.07	31.94	1.33	ppb
Thallium	205-1	31.79	32.33	32.44	32.19	1.09	ppb
Tin	118-1	1.00	1.04	1.11	1.05	5.34	ppb
Titanium	47-1	232.55	232.94	243.87	236.45	2.72	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:03:29	DataFile Name :	125SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.34	0.31	0.32	0.32	4.23	ppb
Vanadium	51-2	414.01	412.53	470.69	432.41	7.67	ppb
Yttrium	89-1				95		%
Yttrium	89-2				91		%
Zinc	66-2	448.94	449.29	511.75	469.99	7.69	ppb
Zirconium	90-1	3.02	3.06	3.06	3.05	0.69	ppb
Zirconium	91-1	3.08	3.01	3.07	3.05	1.24	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:06:41	DataFile Name :	126SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12685.26	12807.41	12892.07	12794.91	0.81	ppb
Antimony	121-1	0.50	0.50	0.51	0.51	1.57	ppb
Arsenic	75-2	30.69	32.37	34.05	32.37	5.20	ppb
Barium	135-1	134.34	137.11	137.60	136.35	1.29	ppb
Barium	137-1	134.42	134.98	135.98	135.13	0.58	ppb
Beryllium	9-1	0.51	0.42	0.34	0.42	20.50	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.56	0.68	0.49	0.58	17.20	ppb
Cadmium	106-1	-1.17	-0.55	-0.34	-0.69		ppb
Cadmium	111-1	0.38	0.40	0.48	0.42	12.26	ppb
Calcium	43-1	5864.63	5912.29	5926.78	5901.24	0.55	ppb
Calcium	44-1	5898.53	5925.69	5988.93	5937.71	0.78	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	28.24	27.71	27.99	27.98	0.95	ppb
Cobalt	59-2	13.12	12.79	13.23	13.05	1.76	ppb
Copper	63-2	78.32	77.15	78.58	78.02	0.98	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				101		%
Indium	115-1				94		%
Indium	115-2				96		%
Iron	56-2	24904.04	24477.98	24808.70	24730.24	0.90	ppb
Iron	57-2	24778.62	24505.24	24792.75	24692.20	0.66	ppb
Iron	54-2	24806.13	24406.58	24605.96	24606.22	0.81	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:06:41	DataFile Name :	126SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	17.34	17.67	17.76	17.59	1.24	ppb
Lead	207-1	16.96	17.20	17.37	17.18	1.22	ppb
Lead	208-1	16.89	17.24	17.42	17.18	1.56	ppb
Lithium	6-1				101		%
Magnesium	24-2	5646.37	5594.05	5688.85	5643.09	0.84	ppb
Manganese	55-2	833.28	829.48	841.35	834.70	0.73	ppb
Molybdenum	94-1	7.17	7.02	7.39	7.19	2.57	ppb
Molybdenum	95-1	0.31	0.35	0.31	0.33	7.38	ppb
Molybdenum	96-1	1.18	1.25	1.23	1.22	3.10	ppb
Molybdenum	97-1	0.31	0.33	0.27	0.30	10.47	ppb
Molybdenum	98-1	0.31	0.32	0.29	0.31	3.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	26.40	25.68	25.96	26.01	1.40	ppb
Phosphorus	31-2	533.08	534.39	556.32	541.27	2.41	ppb
Potassium	39-2	2911.50	2892.83	2914.23	2906.19	0.40	ppb
Rhodium	103-1				93		%
Rhodium	103-2				94		%
Scandium	45-1				91		%
Scandium	45-2				89		%
Selenium	82-1	0.24	0.77	0.54	0.52	51.68	ppb
Selenium	77-2	3.06	3.07	4.37	3.50	21.52	ppb
Selenium	78-2	0.73	-1.43	-3.22	-1.31		ppb
Silicon	28-1	511.96	511.07	513.96	512.33	0.29	ppb
Silver	107-1	0.21	0.21	0.21	0.21	0.58	ppb
Silver	109-1	0.24	0.22	0.20	0.22	10.06	ppb
Sodium	23-2	76.32	72.93	74.25	74.50	2.29	ppb
Strontium	86-1	24.91	25.18	25.47	25.18	1.11	ppb
Strontium	88-1	25.04	25.79	25.63	25.49	1.55	ppb
Sulfur	34-1	-2205.31	-2328.79	-2340.94	-2291.68		ppb
Terbium	159-1				98		%
Terbium	159-2				98		%
Thallium	203-1	0.10	0.12	0.09	0.11	12.33	ppb
Thallium	205-1	0.10	0.10	0.10	0.10	2.55	ppb
Tin	118-1	1.06	1.08	1.06	1.07	0.87	ppb
Titanium	47-1	264.51	269.44	265.37	266.44	0.99	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:06:41	DataFile Name :	126SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.22	0.23	0.24	0.23	4.97	ppb
Vanadium	51-2	44.51	43.78	44.32	44.20	0.86	ppb
Yttrium	89-1				93		%
Yttrium	89-2				95		%
Zinc	66-2	68.78	68.21	68.67	68.55	0.44	ppb
Zirconium	90-1	4.20	4.26	4.22	4.23	0.76	ppb
Zirconium	91-1	4.19	4.24	4.14	4.19	1.16	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-13DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:09:53	DataFile Name :	127SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13308.02	13212.21	13128.32	13216.18	0.68	ppb
Antimony	121-1	0.48	0.48	0.52	0.49	5.41	ppb
Arsenic	75-2	31.96	33.00	32.31	32.42	1.64	ppb
Barium	135-1	135.62	136.80	140.69	137.70	1.93	ppb
Barium	137-1	134.49	140.65	141.42	138.85	2.74	ppb
Beryllium	9-1	0.44	0.44	0.46	0.45	1.92	ppb
Bismuth	209-1				102		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.71	0.52	0.62	0.62	14.91	ppb
Cadmium	106-1	-0.91	-0.59	-0.29	-0.59		ppb
Cadmium	111-1	0.35	0.50	0.47	0.44	17.78	ppb
Calcium	43-1	6039.08	6024.73	6261.54	6108.45	2.17	ppb
Calcium	44-1	5830.41	5888.33	5983.64	5900.79	1.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	28.98	28.94	29.12	29.01	0.34	ppb
Cobalt	59-2	13.51	13.45	13.46	13.47	0.24	ppb
Copper	63-2	80.44	79.76	79.70	79.97	0.51	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				101		%
Indium	115-1				94		%
Indium	115-2				96		%
Iron	56-2	25522.66	25422.09	25613.45	25519.40	0.38	ppb
Iron	57-2	25286.65	25506.25	25455.81	25416.24	0.45	ppb
Iron	54-2	25205.85	25486.48	25391.77	25361.36	0.56	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-13DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:09:53	DataFile Name :	127SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	18.58	18.44	18.75	18.59	0.83	ppb
Lead	207-1	17.96	18.69	18.38	18.34	2.00	ppb
Lead	208-1	17.99	18.39	18.73	18.37	2.01	ppb
Lithium	6-1				98		%
Magnesium	24-2	5922.98	5781.89	5818.88	5841.25	1.25	ppb
Manganese	55-2	846.69	836.31	837.71	840.24	0.67	ppb
Molybdenum	94-1	6.89	7.08	7.54	7.17	4.68	ppb
Molybdenum	95-1	0.39	0.37	0.35	0.37	5.55	ppb
Molybdenum	96-1	1.19	1.24	1.33	1.25	5.96	ppb
Molybdenum	97-1	0.31	0.32	0.39	0.34	13.26	ppb
Molybdenum	98-1	0.28	0.29	0.33	0.30	7.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	26.83	26.32	26.23	26.46	1.23	ppb
Phosphorus	31-2	580.83	529.21	569.97	560.00	4.86	ppb
Potassium	39-2	3028.00	3003.94	3028.23	3020.06	0.46	ppb
Rhodium	103-1				92		%
Rhodium	103-2				94		%
Scandium	45-1				92		%
Scandium	45-2				90		%
Selenium	82-1	0.10	0.11	1.13	0.45	132.48	ppb
Selenium	77-2	4.13	4.63	4.27	4.34	5.82	ppb
Selenium	78-2	1.32	-0.80	0.80	0.44	249.62	ppb
Silicon	28-1	484.68	476.52	479.61	480.27	0.86	ppb
Silver	107-1	0.21	0.19	0.20	0.20	6.80	ppb
Silver	109-1	0.18	0.21	0.21	0.20	8.59	ppb
Sodium	23-2	76.38	73.02	77.35	75.58	3.00	ppb
Strontium	86-1	26.19	26.46	27.05	26.56	1.66	ppb
Strontium	88-1	26.05	26.54	27.45	26.68	2.66	ppb
Sulfur	34-1	-2269.50	-2316.55	-2341.24	-2309.10		ppb
Terbium	159-1				98		%
Terbium	159-2				99		%
Thallium	203-1	0.11	0.09	0.10	0.10	7.22	ppb
Thallium	205-1	0.09	0.09	0.11	0.10	8.34	ppb
Tin	118-1	1.07	1.05	1.09	1.07	1.84	ppb
Titanium	47-1	271.07	267.90	276.01	271.66	1.50	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-13DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:09:53	DataFile Name :	127SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.24	0.26	0.25	0.25	3.78	ppb
Vanadium	51-2	46.09	45.69	45.83	45.87	0.44	ppb
Yttrium	89-1				93		%
Yttrium	89-2				96		%
Zinc	66-2	72.50	70.19	70.14	70.94	1.90	ppb
Zirconium	90-1	4.19	4.25	4.33	4.26	1.69	ppb
Zirconium	91-1	4.22	4.26	4.37	4.28	1.78	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYE481L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 19:13:05	DataFile Name :	128SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2496.35	2471.17	2470.09	2479.20	0.60	ppb
Antimony	121-1	0.10	0.07	0.09	0.09	18.48	ppb
Arsenic	75-2	6.44	5.99	5.75	6.06	5.77	ppb
Barium	135-1	25.98	26.41	25.32	25.90	2.10	ppb
Barium	137-1	25.46	26.13	26.10	25.90	1.45	ppb
Beryllium	9-1	0.06	0.11	0.06	0.08	33.75	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.10	0.06	0.02	0.06	71.67	ppb
Cadmium	106-1	-1.75	-1.72	-2.62	-2.03		ppb
Cadmium	111-1	-0.04	-0.06	-0.08	-0.06		ppb
Calcium	43-1	1118.27	1119.49	1189.80	1142.52	3.58	ppb
Calcium	44-1	1113.21	1109.26	1141.19	1121.22	1.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5.42	5.33	5.35	5.37	0.81	ppb
Cobalt	59-2	2.57	2.58	2.54	2.56	0.71	ppb
Copper	63-2	14.89	15.11	14.71	14.90	1.33	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				100		%
Indium	115-1				95		%
Indium	115-2				94		%
Iron	56-2	4755.01	4773.09	4809.13	4779.08	0.58	ppb
Iron	57-2	4755.22	4784.48	4730.44	4756.71	0.57	ppb
Iron	54-2	4844.11	4839.29	4791.94	4825.12	0.60	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYE481L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 19:13:05	DataFile Name :	128SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.46	3.37	3.37	3.40	1.48	ppb
Lead	207-1	3.23	3.31	3.34	3.30	1.69	ppb
Lead	208-1	3.33	3.28	3.33	3.31	0.84	ppb
Lithium	6-1				97		%
Magnesium	24-2	1104.65	1093.88	1095.17	1097.90	0.54	ppb
Manganese	55-2	160.68	161.80	158.62	160.37	1.01	ppb
Molybdenum	94-1	1.40	1.35	1.35	1.37	2.19	ppb
Molybdenum	95-1	0.07	0.06	0.05	0.06	14.12	ppb
Molybdenum	96-1	0.24	0.22	0.24	0.24	5.39	ppb
Molybdenum	97-1	0.06	0.06	0.08	0.07	17.69	ppb
Molybdenum	98-1	0.05	0.05	0.05	0.05	4.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.08	5.10	4.95	5.04	1.59	ppb
Phosphorus	31-2	94.86	75.49	86.44	85.60	11.35	ppb
Potassium	39-2	556.64	562.55	549.01	556.07	1.22	ppb
Rhodium	103-1				93		%
Rhodium	103-2				94		%
Scandium	45-1				91		%
Scandium	45-2				87		%
Selenium	82-1	-0.42	0.70	1.54	0.60	162.83	ppb
Selenium	77-2	1.20	0.02	1.94	1.05	91.84	ppb
Selenium	78-2	-0.33	-2.29	-0.91	-1.18		ppb
Silicon	28-1	96.13	97.42	100.18	97.91	2.11	ppb
Silver	107-1	0.04	0.04	0.04	0.04	6.51	ppb
Silver	109-1	0.03	0.04	0.03	0.03	16.23	ppb
Sodium	23-2	14.93	15.00	15.98	15.30	3.85	ppb
Strontium	86-1	4.74	4.87	5.01	4.87	2.70	ppb
Strontium	88-1	4.87	4.99	5.03	4.97	1.67	ppb
Sulfur	34-1	-2210.44	-2359.39	-2256.20	-2275.35		ppb
Terbium	159-1				97		%
Terbium	159-2				97		%
Thallium	203-1	0.03	0.03	0.02	0.02	6.36	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	6.46	ppb
Tin	118-1	0.87	0.86	0.85	0.86	1.10	ppb
Titanium	47-1	49.52	49.69	51.08	50.10	1.70	ppb

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYE481L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 19:13:05	DataFile Name :	128SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.04	0.04	0.04	0.04	4.17	ppb
Vanadium	51-2	8.87	8.63	8.42	8.64	2.65	ppb
Yttrium	89-1				92		%
Yttrium	89-2				95		%
Zinc	66-2	14.88	13.92	14.89	14.56	3.81	ppb
Zirconium	90-1	0.78	0.83	0.81	0.81	3.07	ppb
Zirconium	91-1	0.81	0.84	0.80	0.82	2.41	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-14DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:16:21	DataFile Name :	129SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13084.16	13116.40	12949.50	13050.02	0.68	ppb
Antimony	121-1	16.12	16.33	16.58	16.35	1.40	ppb
Arsenic	75-2	38.63	37.26	38.71	38.20	2.13	ppb
Barium	135-1	433.99	433.78	439.01	435.59	0.68	ppb
Barium	137-1	433.85	435.19	441.45	436.83	0.93	ppb
Beryllium	9-1	8.68	9.06	8.71	8.82	2.37	ppb
Bismuth	209-1				105		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.79	8.59	8.67	8.68	1.14	ppb
Cadmium	106-1	7.18	6.46	5.93	6.53	9.61	ppb
Cadmium	111-1	8.76	8.79	9.17	8.91	2.59	ppb
Calcium	43-1	5546.07	5839.68	5733.24	5706.33	2.60	ppb
Calcium	44-1	5665.90	5877.43	5838.61	5793.98	1.94	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	61.69	62.05	61.57	61.77	0.40	ppb
Cobalt	59-2	96.83	97.57	96.41	96.94	0.60	ppb
Copper	63-2	116.92	116.67	114.73	116.11	1.03	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				101		%
Indium	115-1				95		%
Indium	115-2				95		%
Iron	56-2	24411.14	24441.70	24458.93	24437.26	0.10	ppb
Iron	57-2	24403.69	24449.38	24297.23	24383.43	0.32	ppb
Iron	54-2	24440.59	24527.91	24630.65	24533.05	0.39	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-14DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:16:21	DataFile Name :	129SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	19.92	19.66	20.36	19.98	1.77	ppb
Lead	207-1	19.69	19.54	19.51	19.58	0.49	ppb
Lead	208-1	19.58	19.29	19.66	19.51	0.97	ppb
Lithium	6-1				100		%
Magnesium	24-2	5559.34	5516.70	5461.01	5512.35	0.89	ppb
Manganese	55-2	901.05	918.62	918.77	912.82	1.12	ppb
Molybdenum	94-1	6.78	7.18	7.06	7.01	2.89	ppb
Molybdenum	95-1	0.34	0.32	0.29	0.32	7.63	ppb
Molybdenum	96-1	1.12	1.18	1.15	1.15	2.60	ppb
Molybdenum	97-1	0.34	0.34	0.29	0.32	8.19	ppb
Molybdenum	98-1	0.27	0.31	0.33	0.30	9.05	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	112.14	112.77	113.52	112.81	0.61	ppb
Phosphorus	31-2	543.33	533.11	526.52	534.32	1.59	ppb
Potassium	39-2	2848.06	2867.46	2839.65	2851.72	0.50	ppb
Rhodium	103-1				93		%
Rhodium	103-2				94		%
Scandium	45-1				92		%
Scandium	45-2				89		%
Selenium	82-1	18.04	18.56	18.92	18.50	2.39	ppb
Selenium	77-2	23.20	19.86	21.98	21.68	7.80	ppb
Selenium	78-2	16.89	18.50	21.93	19.10	13.48	ppb
Silicon	28-1	490.45	501.48	501.85	497.93	1.30	ppb
Silver	107-1	6.91	7.10	7.25	7.09	2.40	ppb
Silver	109-1	7.10	7.05	7.17	7.11	0.84	ppb
Sodium	23-2	69.91	70.83	69.16	69.97	1.20	ppb
Strontium	86-1	24.83	25.15	25.27	25.08	0.89	ppb
Strontium	88-1	25.08	25.57	25.45	25.36	1.01	ppb
Sulfur	34-1	-2214.76	-2317.54	-2402.01	-2311.44		ppb
Terbium	159-1				99		%
Terbium	159-2				99		%
Thallium	203-1	7.23	7.10	7.16	7.17	0.87	ppb
Thallium	205-1	7.23	7.10	7.20	7.18	0.96	ppb
Tin	118-1	1.09	1.08	1.10	1.09	1.01	ppb
Titanium	47-1	255.83	265.12	259.92	260.29	1.79	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-14DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:16:21	DataFile Name :	129SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.22	0.24	0.23	0.23	3.16	ppb
Vanadium	51-2	127.03	127.67	127.12	127.27	0.27	ppb
Yttrium	89-1				93		%
Yttrium	89-2				96		%
Zinc	66-2	148.31	149.63	152.53	150.16	1.44	ppb
Zirconium	90-1	4.05	4.21	4.25	4.17	2.56	ppb
Zirconium	91-1	4.05	4.14	4.29	4.16	2.95	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:19:35	DataFile Name :	130SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13728.36	13938.64	13825.98	13830.99	0.76	ppb
Antimony	121-1	69.03	72.30	72.50	71.28	2.73	ppb
Arsenic	75-2	61.88	61.32	58.39	60.53	3.09	ppb
Barium	135-1	1519.01	1564.54	1601.22	1561.59	2.64	ppb
Barium	137-1	1521.49	1589.81	1580.48	1563.92	2.37	ppb
Beryllium	9-1	35.24	36.40	37.41	36.35	2.98	ppb
Bismuth	209-1				106		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	33.96	34.34	37.12	35.14	4.91	ppb
Cadmium	106-1	31.87	31.50	33.28	32.22	2.92	ppb
Cadmium	111-1	36.15	38.59	37.97	37.57	3.37	ppb
Calcium	43-1	5426.86	5719.17	5709.70	5618.58	2.96	ppb
Calcium	44-1	5442.32	5764.20	5801.79	5669.44	3.49	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	173.99	173.50	175.24	174.24	0.52	ppb
Cobalt	59-2	374.20	374.22	377.07	375.16	0.44	ppb
Copper	63-2	245.72	244.59	247.86	246.05	0.68	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				102		%
Indium	115-1				96		%
Indium	115-2				95		%
Iron	56-2	24812.09	24728.98	24869.66	24803.57	0.29	ppb
Iron	57-2	24681.27	24633.60	24801.28	24705.38	0.35	ppb
Iron	54-2	24834.72	24623.17	25036.91	24831.60	0.83	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:19:35	DataFile Name :	130SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	29.07	30.17	30.37	29.87	2.34	ppb
Lead	207-1	28.08	28.91	29.49	28.83	2.46	ppb
Lead	208-1	28.18	29.48	29.81	29.16	2.95	ppb
Lithium	6-1				101		%
Magnesium	24-2	5446.28	5409.45	5463.64	5439.79	0.51	ppb
Manganese	55-2	1163.30	1156.64	1181.15	1167.03	1.09	ppb
Molybdenum	94-1	6.49	7.06	7.07	6.87	4.78	ppb
Molybdenum	95-1	0.37	0.32	0.34	0.34	7.47	ppb
Molybdenum	96-1	1.06	1.10	1.15	1.11	3.87	ppb
Molybdenum	97-1	0.29	0.33	0.29	0.30	7.82	ppb
Molybdenum	98-1	0.31	0.32	0.31	0.31	1.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	403.75	398.73	404.56	402.34	0.79	ppb
Phosphorus	31-2	501.42	502.53	528.02	510.66	2.95	ppb
Potassium	39-2	2813.87	2805.48	2833.09	2817.48	0.50	ppb
Rhodium	103-1				94		%
Rhodium	103-2				93		%
Scandium	45-1				93		%
Scandium	45-2				89		%
Selenium	82-1	79.44	80.35	84.42	81.40	3.26	ppb
Selenium	77-2	95.49	87.39	87.47	90.12	5.17	ppb
Selenium	78-2	86.98	80.48	85.38	84.28	4.01	ppb
Silicon	28-1	461.17	482.93	478.25	474.12	2.42	ppb
Silver	107-1	26.55	23.45	26.81	25.60	7.31	ppb
Silver	109-1	26.79	24.70	23.93	25.14	5.88	ppb
Sodium	23-2	67.02	69.89	70.31	69.08	2.59	ppb
Strontium	86-1	23.13	24.03	24.76	23.98	3.40	ppb
Strontium	88-1	23.75	24.97	24.98	24.57	2.87	ppb
Sulfur	34-1	-2376.01	-2319.12	-2304.28	-2333.14		ppb
Terbium	159-1				100		%
Terbium	159-2				99		%
Thallium	203-1	30.01	31.49	32.39	31.30	3.83	ppb
Thallium	205-1	30.62	32.04	32.24	31.63	2.80	ppb
Tin	118-1	1.02	1.09	1.07	1.06	3.25	ppb
Titanium	47-1	243.89	256.21	258.36	252.82	3.09	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:19:35	DataFile Name :	130SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.21	0.21	0.21	0.21	2.16	ppb
Vanadium	51-2	404.74	401.91	404.09	403.58	0.37	ppb
Yttrium	89-1				94		%
Yttrium	89-2				95		%
Zinc	66-2	420.92	420.42	425.04	422.13	0.60	ppb
Zirconium	90-1	3.85	4.07	4.17	4.03	4.05	ppb
Zirconium	91-1	3.79	4.16	4.16	4.04	5.28	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:22:44	DataFile Name :	131SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13387.27	13269.92	13507.26	13388.15	0.89	ppb
Antimony	121-1	0.54	0.52	0.54	0.53	1.95	ppb
Arsenic	75-2	26.88	28.01	26.64	27.18	2.69	ppb
Barium	135-1	149.18	150.76	152.81	150.91	1.20	ppb
Barium	137-1	148.53	148.47	152.06	149.69	1.38	ppb
Beryllium	9-1	0.45	0.51	0.32	0.43	22.52	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.57	0.33	0.34	0.41	32.94	ppb
Cadmium	106-1	-0.82	-0.57	0.18	-0.40		ppb
Cadmium	111-1	0.16	0.15	0.22	0.18	21.65	ppb
Calcium	43-1	7108.23	7390.33	7389.04	7295.86	2.23	ppb
Calcium	44-1	6939.33	7019.01	7019.70	6992.68	0.66	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	25.01	24.86	24.86	24.91	0.35	ppb
Cobalt	59-2	12.12	12.35	12.12	12.20	1.10	ppb
Copper	63-2	46.81	46.26	46.32	46.46	0.64	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				101		%
Indium	115-1				95		%
Indium	115-2				94		%
Iron	56-2	25388.02	25456.88	25196.14	25347.01	0.53	ppb
Iron	57-2	25426.25	25415.44	25380.16	25407.29	0.09	ppb
Iron	54-2	25170.96	25619.97	25381.75	25390.89	0.88	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:22:44	DataFile Name :	131SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	9.99	10.14	9.53	9.89	3.22	ppb
Lead	207-1	9.71	9.75	9.16	9.54	3.47	ppb
Lead	208-1	9.87	9.69	9.38	9.65	2.61	ppb
Lithium	6-1				99		%
Magnesium	24-2	5962.36	5944.20	5981.32	5962.63	0.31	ppb
Manganese	55-2	511.80	515.19	520.74	515.91	0.87	ppb
Molybdenum	94-1	7.96	8.17	7.81	7.98	2.24	ppb
Molybdenum	95-1	0.32	0.26	0.27	0.28	11.01	ppb
Molybdenum	96-1	1.16	1.25	1.19	1.20	3.54	ppb
Molybdenum	97-1	0.25	0.31	0.26	0.27	11.91	ppb
Molybdenum	98-1	0.28	0.26	0.24	0.26	7.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	28.24	28.01	28.39	28.21	0.68	ppb
Phosphorus	31-2	647.36	661.61	688.51	665.83	3.14	ppb
Potassium	39-2	2675.38	2682.13	2698.57	2685.36	0.44	ppb
Rhodium	103-1				93		%
Rhodium	103-2				94		%
Scandium	45-1				92		%
Scandium	45-2				89		%
Selenium	82-1	0.98	-0.16	0.69	0.50	118.60	ppb
Selenium	77-2	5.08	4.34	4.24	4.55	10.05	ppb
Selenium	78-2	0.75	-0.08	1.28	0.65	105.83	ppb
Silicon	28-1	364.61	381.27	361.89	369.25	2.84	ppb
Silver	107-1	0.13	0.11	0.08	0.11	21.07	ppb
Silver	109-1	0.13	0.10	0.10	0.11	17.99	ppb
Sodium	23-2	111.51	111.81	113.69	112.33	1.05	ppb
Strontium	86-1	58.40	60.53	57.27	58.73	2.82	ppb
Strontium	88-1	59.85	60.20	58.01	59.35	1.98	ppb
Sulfur	34-1	-2307.49	-2200.34	-2234.08	-2247.30		ppb
Terbium	159-1				97		%
Terbium	159-2				98		%
Thallium	203-1	0.07	0.08	0.08	0.08	9.94	ppb
Thallium	205-1	0.07	0.07	0.07	0.07	4.59	ppb
Tin	118-1	1.19	1.23	1.17	1.19	2.56	ppb
Titanium	47-1	268.33	279.03	270.15	272.50	2.10	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:22:44	DataFile Name :	131SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.26	0.24	0.23	0.25	5.25	ppb
Vanadium	51-2	46.89	47.31	46.69	46.96	0.68	ppb
Yttrium	89-1				93		%
Yttrium	89-2				95		%
Zinc	66-2	53.53	52.92	51.66	52.70	1.81	ppb
Zirconium	90-1	4.69	4.79	4.55	4.67	2.54	ppb
Zirconium	91-1	4.77	4.77	4.63	4.72	1.75	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-06DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:25:58	DataFile Name :	132SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13953.88	14339.48	13906.86	14066.74	1.69	ppb
Antimony	121-1	0.50	0.51	0.56	0.52	6.37	ppb
Arsenic	75-2	28.83	27.16	28.11	28.04	2.99	ppb
Barium	135-1	150.33	152.69	168.33	157.11	6.22	ppb
Barium	137-1	153.87	156.68	162.23	157.59	2.70	ppb
Beryllium	9-1	0.48	0.29	0.38	0.38	24.76	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.05	0.58	0.59	0.41	76.20	ppb
Cadmium	106-1	-0.78	-0.83	-0.79	-0.80		ppb
Cadmium	111-1	0.17	0.14	0.16	0.16	9.00	ppb
Calcium	43-1	7368.34	7538.74	7554.69	7487.26	1.38	ppb
Calcium	44-1	7146.11	7372.06	7324.73	7280.97	1.64	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	26.69	26.78	26.33	26.60	0.89	ppb
Cobalt	59-2	12.41	12.87	12.35	12.55	2.27	ppb
Copper	63-2	48.69	49.31	47.93	48.65	1.42	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				100		%
Indium	115-1				95		%
Indium	115-2				94		%
Iron	56-2	26887.75	26964.89	26564.44	26805.69	0.79	ppb
Iron	57-2	26665.80	26259.57	25909.64	26278.34	1.44	ppb
Iron	54-2	26738.65	26610.02	26844.74	26731.14	0.44	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-06DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:25:58	DataFile Name :	132SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	10.15	10.56	10.99	10.57	3.99	ppb
Lead	207-1	9.89	10.29	10.38	10.19	2.54	ppb
Lead	208-1	9.94	10.17	10.42	10.18	2.36	ppb
Lithium	6-1				97		%
Magnesium	24-2	6305.74	6293.10	6241.09	6279.97	0.55	ppb
Manganese	55-2	542.10	542.20	535.68	540.00	0.69	ppb
Molybdenum	94-1	8.18	8.39	8.39	8.32	1.47	ppb
Molybdenum	95-1	0.27	0.30	0.31	0.29	6.03	ppb
Molybdenum	96-1	1.32	1.37	1.38	1.35	2.52	ppb
Molybdenum	97-1	0.24	0.29	0.26	0.26	10.73	ppb
Molybdenum	98-1	0.26	0.28	0.28	0.27	3.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	29.46	30.27	29.20	29.64	1.88	ppb
Phosphorus	31-2	693.93	703.65	683.59	693.72	1.45	ppb
Potassium	39-2	2826.81	2875.07	2840.29	2847.39	0.87	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				93		%
Scandium	45-2				89		%
Selenium	82-1	1.69	1.50	0.84	1.34	33.02	ppb
Selenium	77-2	4.63	3.03	2.31	3.32	35.75	ppb
Selenium	78-2	3.51	1.51	0.77	1.93	73.22	ppb
Silicon	28-1	370.13	371.89	369.63	370.55	0.32	ppb
Silver	107-1	0.07	0.08	0.08	0.08	3.84	ppb
Silver	109-1	0.08	0.08	0.08	0.08	1.30	ppb
Sodium	23-2	114.16	114.74	115.15	114.68	0.43	ppb
Strontium	86-1	62.11	63.30	63.41	62.94	1.15	ppb
Strontium	88-1	61.61	62.92	63.17	62.57	1.33	ppb
Sulfur	34-1	-2142.39	-2144.57	-2194.57	-2160.51		ppb
Terbium	159-1				99		%
Terbium	159-2				99		%
Thallium	203-1	0.07	0.07	0.07	0.07	5.84	ppb
Thallium	205-1	0.06	0.06	0.06	0.06	3.53	ppb
Tin	118-1	1.15	1.16	1.33	1.21	8.10	ppb
Titanium	47-1	286.00	289.98	291.57	289.18	0.99	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-06DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:25:58	DataFile Name :	132SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.25	0.25	0.26	0.25	3.74	ppb
Vanadium	51-2	50.07	50.54	50.09	50.23	0.54	ppb
Yttrium	89-1				93		%
Yttrium	89-2				97		%
Zinc	66-2	55.22	54.80	54.62	54.88	0.56	ppb
Zirconium	90-1	5.01	5.04	5.17	5.07	1.74	ppb
Zirconium	91-1	4.94	5.03	5.08	5.02	1.42	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYE494L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 19:29:09	DataFile Name :	133SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2765.08	2694.27	2707.03	2722.13	1.39	ppb
Antimony	121-1	0.09	0.10	0.10	0.10	6.36	ppb
Arsenic	75-2	5.45	5.39	4.96	5.27	5.08	ppb
Barium	135-1	29.75	29.84	30.07	29.89	0.56	ppb
Barium	137-1	29.46	29.77	30.04	29.76	0.97	ppb
Beryllium	9-1	0.06	0.05	0.08	0.06	18.62	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.10	0.18	-0.06	0.00	4096.80	ppb
Cadmium	106-1	-0.53	-2.30	-2.62	-1.82		ppb
Cadmium	111-1	0.03	-0.14	-0.15	-0.09		ppb
Calcium	43-1	1429.75	1523.81	1470.18	1474.58	3.20	ppb
Calcium	44-1	1417.22	1456.18	1482.20	1451.86	2.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5.32	5.24	5.24	5.26	0.84	ppb
Cobalt	59-2	2.41	2.36	2.33	2.37	1.73	ppb
Copper	63-2	9.70	9.22	9.51	9.48	2.54	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				98		%
Indium	115-1				95		%
Indium	115-2				94		%
Iron	56-2	5273.95	5189.18	5146.17	5203.10	1.25	ppb
Iron	57-2	5316.91	5171.45	5155.33	5214.57	1.71	ppb
Iron	54-2	5361.01	5250.13	5229.36	5280.17	1.34	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYE494L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 19:29:09	DataFile Name :	133SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.05	2.02	2.08	2.05	1.66	ppb
Lead	207-1	1.86	1.91	1.93	1.90	1.89	ppb
Lead	208-1	1.93	1.92	2.00	1.95	2.23	ppb
Lithium	6-1				97		%
Magnesium	24-2	1250.72	1210.01	1218.67	1226.46	1.75	ppb
Manganese	55-2	107.19	104.44	105.29	105.64	1.33	ppb
Molybdenum	94-1	1.48	1.63	1.63	1.58	5.46	ppb
Molybdenum	95-1	0.06	0.04	0.06	0.05	15.63	ppb
Molybdenum	96-1	0.24	0.23	0.26	0.24	7.08	ppb
Molybdenum	97-1	0.03	0.05	0.06	0.05	26.95	ppb
Molybdenum	98-1	0.05	0.05	0.05	0.05	8.01	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.85	5.92	5.41	5.72	4.83	ppb
Phosphorus	31-2	128.40	112.28	126.41	122.36	7.18	ppb
Potassium	39-2	551.20	538.36	544.18	544.58	1.18	ppb
Rhodium	103-1				92		%
Rhodium	103-2				93		%
Scandium	45-1				92		%
Scandium	45-2				87		%
Selenium	82-1	1.37	0.22	0.46	0.68	89.27	ppb
Selenium	77-2	2.02	0.42	1.59	1.34	61.74	ppb
Selenium	78-2	-0.02	-1.36	-0.69	-0.69		ppb
Silicon	28-1	68.88	73.06	73.68	71.87	3.63	ppb
Silver	107-1	0.01	0.01	0.02	0.02	14.39	ppb
Silver	109-1	0.02	0.01	0.02	0.02	22.99	ppb
Sodium	23-2	23.40	19.28	21.58	21.42	9.63	ppb
Strontium	86-1	11.52	11.67	11.75	11.65	1.00	ppb
Strontium	88-1	11.77	11.97	12.06	11.94	1.22	ppb
Sulfur	34-1	-2306.18	-2167.16	-2275.96	-2249.77		ppb
Terbium	159-1				97		%
Terbium	159-2				96		%
Thallium	203-1	0.02	0.01	0.01	0.01	32.44	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	7.18	ppb
Tin	118-1	0.84	0.86	0.89	0.86	3.38	ppb
Titanium	47-1	52.64	55.22	55.02	54.29	2.65	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYE494L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 19:29:09	DataFile Name :	133SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.05	0.05	0.05	0.05	3.56	ppb
Vanadium	51-2	9.66	9.41	9.52	9.53	1.33	ppb
Yttrium	89-1				92		%
Yttrium	89-2				93		%
Zinc	66-2	11.62	11.86	11.13	11.53	3.21	ppb
Zirconium	90-1	0.93	0.94	0.95	0.94	0.97	ppb
Zirconium	91-1	0.97	0.93	0.96	0.95	2.35	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-07DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:32:27	DataFile Name :	134SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13939.12	13869.65	13922.74	13910.50	0.26	ppb
Antimony	121-1	16.98	16.68	17.77	17.14	3.26	ppb
Arsenic	75-2	33.12	34.54	32.99	33.55	2.55	ppb
Barium	135-1	462.13	461.33	495.73	473.06	4.15	ppb
Barium	137-1	459.97	472.44	505.86	479.42	4.95	ppb
Beryllium	9-1	8.55	10.00	9.67	9.41	8.08	ppb
Bismuth	209-1				103		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	7.49	8.52	8.58	8.19	7.47	ppb
Cadmium	106-1	5.83	6.50	6.21	6.18	5.43	ppb
Cadmium	111-1	8.71	8.65	8.98	8.78	2.03	ppb
Calcium	43-1	7377.27	7294.11	7857.23	7509.54	4.05	ppb
Calcium	44-1	7054.15	6964.64	7443.21	7154.00	3.56	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	60.51	61.39	60.97	60.96	0.72	ppb
Cobalt	59-2	98.90	100.02	100.22	99.71	0.71	ppb
Copper	63-2	87.21	88.05	87.93	87.73	0.52	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				102		%
Indium	115-1				93		%
Indium	115-2				96		%
Iron	56-2	25556.28	25724.78	25825.14	25702.06	0.53	ppb
Iron	57-2	25656.75	25801.25	25935.06	25797.69	0.54	ppb
Iron	54-2	25842.14	26111.18	26181.75	26045.02	0.69	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-07DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:32:27	DataFile Name :	134SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	12.35	12.95	13.68	12.99	5.15	ppb
Lead	207-1	11.81	12.69	13.58	12.69	6.99	ppb
Lead	208-1	12.25	12.81	13.46	12.84	4.71	ppb
Lithium	6-1				96		%
Magnesium	24-2	5924.12	6026.29	6034.52	5994.98	1.03	ppb
Manganese	55-2	604.02	605.76	605.50	605.09	0.15	ppb
Molybdenum	94-1	7.87	7.78	8.61	8.09	5.60	ppb
Molybdenum	95-1	0.22	0.26	0.27	0.25	9.63	ppb
Molybdenum	96-1	1.22	1.31	1.38	1.30	5.85	ppb
Molybdenum	97-1	0.24	0.24	0.28	0.25	8.68	ppb
Molybdenum	98-1	0.22	0.26	0.26	0.25	10.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	119.10	118.54	118.68	118.77	0.24	ppb
Phosphorus	31-2	648.16	681.30	699.62	676.36	3.86	ppb
Potassium	39-2	2715.60	2719.71	2740.65	2725.32	0.49	ppb
Rhodium	103-1				92		%
Rhodium	103-2				94		%
Scandium	45-1				91		%
Scandium	45-2				90		%
Selenium	82-1	16.09	19.11	22.59	19.26	16.90	ppb
Selenium	77-2	22.88	22.51	23.45	22.95	2.07	ppb
Selenium	78-2	18.80	16.86	19.86	18.51	8.23	ppb
Silicon	28-1	364.39	363.71	397.32	375.14	5.12	ppb
Silver	107-1	7.24	7.15	7.76	7.38	4.50	ppb
Silver	109-1	6.96	7.47	7.74	7.39	5.33	ppb
Sodium	23-2	106.58	111.31	110.47	109.46	2.31	ppb
Strontium	86-1	55.95	59.55	64.51	60.00	7.16	ppb
Strontium	88-1	57.91	60.13	64.86	60.97	5.82	ppb
Sulfur	34-1	-2120.47	-2218.41	-1853.98	-2064.28		ppb
Terbium	159-1				98		%
Terbium	159-2				99		%
Thallium	203-1	7.02	7.40	7.87	7.43	5.76	ppb
Thallium	205-1	7.18	7.34	7.71	7.41	3.70	ppb
Tin	118-1	1.23	1.20	1.29	1.24	3.53	ppb
Titanium	47-1	270.03	276.73	295.16	280.64	4.64	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-07DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:32:27	DataFile Name :	134SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.24	0.25	0.29	0.26	10.44	ppb
Vanadium	51-2	134.02	135.41	135.16	134.86	0.55	ppb
Yttrium	89-1				93		%
Yttrium	89-2				96		%
Zinc	66-2	136.22	136.98	136.71	136.64	0.28	ppb
Zirconium	90-1	4.54	4.68	5.01	4.74	5.07	ppb
Zirconium	91-1	4.45	5.07	5.49	5.00	10.51	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:35:39	DataFile Name :	135SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14521.87	14446.86	14380.42	14449.72	0.49	ppb
Antimony	121-1	70.64	71.23	73.47	71.78	2.08	ppb
Arsenic	75-2	54.21	55.20	53.12	54.18	1.92	ppb
Barium	135-1	1669.26	1618.49	1659.71	1649.15	1.64	ppb
Barium	137-1	1636.34	1646.52	1728.04	1670.30	3.01	ppb
Beryllium	9-1	37.76	38.10	38.43	38.10	0.88	ppb
Bismuth	209-1				106		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	34.32	34.85	36.43	35.20	3.11	ppb
Cadmium	106-1	31.86	31.19	32.92	31.99	2.73	ppb
Cadmium	111-1	37.49	36.95	38.47	37.63	2.04	ppb
Calcium	43-1	6986.74	6915.58	7037.55	6979.96	0.88	ppb
Calcium	44-1	6829.67	6748.85	6948.03	6842.18	1.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	175.85	176.03	176.08	175.99	0.07	ppb
Cobalt	59-2	393.65	383.77	402.38	393.27	2.37	ppb
Copper	63-2	222.60	221.80	220.65	221.69	0.44	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				101		%
Indium	115-1				95		%
Indium	115-2				95		%
Iron	56-2	25730.91	25665.81	25366.45	25587.72	0.76	ppb
Iron	57-2	25639.27	25425.96	25643.61	25569.61	0.49	ppb
Iron	54-2	25666.72	25331.57	25684.07	25560.79	0.78	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:35:39	DataFile Name :	135SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	22.07	22.97	22.40	22.48	2.03	ppb
Lead	207-1	21.34	21.82	22.08	21.75	1.72	ppb
Lead	208-1	21.47	22.26	21.85	21.86	1.80	ppb
Lithium	6-1				98		%
Magnesium	24-2	5754.39	5772.86	5741.66	5756.30	0.27	ppb
Manganese	55-2	877.14	874.38	865.81	872.44	0.68	ppb
Molybdenum	94-1	7.79	7.82	8.09	7.90	2.10	ppb
Molybdenum	95-1	0.27	0.27	0.31	0.28	7.95	ppb
Molybdenum	96-1	1.23	1.13	1.26	1.21	5.75	ppb
Molybdenum	97-1	0.23	0.24	0.24	0.24	1.95	ppb
Molybdenum	98-1	0.27	0.23	0.25	0.25	6.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	412.58	414.59	414.08	413.75	0.25	ppb
Phosphorus	31-2	639.59	667.67	674.37	660.54	2.79	ppb
Potassium	39-2	2620.49	2612.06	2609.19	2613.91	0.22	ppb
Rhodium	103-1				93		%
Rhodium	103-2				94		%
Scandium	45-1				94		%
Scandium	45-2				89		%
Selenium	82-1	80.06	80.30	82.40	80.92	1.59	ppb
Selenium	77-2	81.09	97.54	82.02	86.88	10.63	ppb
Selenium	78-2	75.84	81.02	81.33	79.39	3.88	ppb
Silicon	28-1	349.88	348.21	357.64	351.91	1.43	ppb
Silver	107-1	25.10	24.45	25.41	24.99	1.97	ppb
Silver	109-1	24.46	28.19	26.31	26.32	7.09	ppb
Sodium	23-2	106.44	105.71	105.61	105.92	0.43	ppb
Strontium	86-1	57.25	56.70	58.59	57.51	1.69	ppb
Strontium	88-1	56.93	57.74	58.48	57.72	1.34	ppb
Sulfur	34-1	-2189.11	-2464.82	-2371.83	-2341.92		ppb
Terbium	159-1				98		%
Terbium	159-2				99		%
Thallium	203-1	30.87	31.56	31.28	31.24	1.11	ppb
Thallium	205-1	30.56	31.84	31.23	31.21	2.06	ppb
Tin	118-1	1.17	1.19	1.24	1.20	2.87	ppb
Titanium	47-1	260.92	261.90	263.88	262.23	0.58	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:35:39	DataFile Name :	135SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.23	0.24	0.23	0.23	1.71	ppb
Vanadium	51-2	417.22	415.86	418.07	417.05	0.27	ppb
Yttrium	89-1				94		%
Yttrium	89-2				96		%
Zinc	66-2	417.43	414.13	419.68	417.08	0.67	ppb
Zirconium	90-1	4.57	4.58	4.67	4.61	1.15	ppb
Zirconium	91-1	4.59	4.64	4.67	4.63	0.84	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04A	Instrumnet Name :	P7
Client Sample ID :	MYE453ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:38:49	DataFile Name :	136SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	38948.44	38847.60	38676.59	38824.21	0.35	ppb
Antimony	121-1	2.74	2.74	2.82	2.77	1.82	ppb
Arsenic	75-2	212.30	217.86	212.08	214.08	1.53	ppb
Barium	135-1	535.96	535.46	541.21	537.55	0.59	ppb
Barium	137-1	534.63	532.50	539.14	535.42	0.63	ppb
Beryllium	9-1	1.59	1.53	1.58	1.57	2.15	ppb
Bismuth	209-1				106		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.63	3.22	2.97	2.94	10.19	ppb
Cadmium	106-1	2.56	2.81	2.55	2.64	5.74	ppb
Cadmium	111-1	2.36	2.30	2.42	2.36	2.71	ppb
Calcium	43-1	12554.24	12583.37	12760.18	12632.60	0.88	ppb
Calcium	44-1	12219.95	12158.36	12477.25	12285.19	1.38	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	89.39	89.02	88.85	89.09	0.31	ppb
Cobalt	59-2	48.05	48.07	48.01	48.04	0.06	ppb
Copper	63-2	325.86	327.33	326.41	326.53	0.23	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				103		%
Indium	115-1				95		%
Indium	115-2				95		%
Iron	56-2	92313.49	92314.30	91857.29	92161.70	0.29	ppb
Iron	57-2	91145.87	89552.54	89793.35	90163.92	0.95	ppb
Iron	54-2	91756.04	91177.60	90955.79	91296.48	0.45	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04A	Instrumnet Name :	P7
Client Sample ID :	MYE453ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:38:49	DataFile Name :	136SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	85.95	85.05	85.42	85.47	0.53	ppb
Lead	207-1	84.03	82.00	83.68	83.24	1.31	ppb
Lead	208-1	84.23	82.84	83.84	83.63	0.86	ppb
Lithium	6-1				99		%
Magnesium	24-2	18088.24	18008.46	18148.77	18081.82	0.39	ppb
Manganese	55-2	3210.91	3260.54	3223.44	3231.63	0.80	ppb
Molybdenum	94-1	21.42	22.21	22.45	22.03	2.46	ppb
Molybdenum	95-1	1.80	1.78	1.90	1.83	3.40	ppb
Molybdenum	96-1	4.43	4.35	4.50	4.43	1.71	ppb
Molybdenum	97-1	1.80	1.84	1.86	1.84	1.59	ppb
Molybdenum	98-1	1.68	1.82	1.80	1.77	4.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	83.42	85.59	84.15	84.38	1.31	ppb
Phosphorus	31-2	3151.28	3208.71	3245.39	3201.79	1.48	ppb
Potassium	39-2	12703.83	12812.28	12671.28	12729.13	0.58	ppb
Rhodium	103-1				92		%
Rhodium	103-2				94		%
Scandium	45-1				96		%
Scandium	45-2				93		%
Selenium	82-1	1.74	1.79	1.83	1.78	2.58	ppb
Selenium	77-2	16.94	17.39	14.55	16.29	9.38	ppb
Selenium	78-2	3.74	2.60	0.81	2.38	62.01	ppb
Silicon	28-1	2026.63	2007.31	2066.22	2033.39	1.48	ppb
Silver	107-1	1.99	1.94	1.98	1.97	1.34	ppb
Silver	109-1	2.00	1.87	1.97	1.95	3.63	ppb
Sodium	23-2	224.28	226.89	227.34	226.17	0.73	ppb
Strontium	86-1	104.35	104.04	107.63	105.34	1.89	ppb
Strontium	88-1	110.91	109.89	112.62	111.14	1.24	ppb
Sulfur	34-1	-2033.62	-2256.88	-2232.34	-2174.28		ppb
Terbium	159-1				99		%
Terbium	159-2				101		%
Thallium	203-1	0.33	0.34	0.36	0.34	4.43	ppb
Thallium	205-1	0.38	0.35	0.36	0.37	3.80	ppb
Tin	118-1	2.38	2.44	2.46	2.43	1.57	ppb
Titanium	47-1	917.17	921.75	934.41	924.45	0.97	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04A	Instrumnet Name :	P7
Client Sample ID :	MYE453ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:38:49	DataFile Name :	136SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.36	1.29	1.30	1.32	3.07	ppb
Vanadium	51-2	161.83	162.15	162.04	162.01	0.10	ppb
Yttrium	89-1				98		%
Yttrium	89-2				101		%
Zinc	66-2	307.88	311.82	306.94	308.88	0.84	ppb
Zirconium	90-1	12.13	12.10	12.62	12.28	2.39	ppb
Zirconium	91-1	12.23	12.06	12.48	12.26	1.70	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12A	Instrumnet Name :	P7
Client Sample ID :	MYE481ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:41:58	DataFile Name :	137SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49475.55	49734.50	49872.35	49694.13	0.41	ppb
Antimony	121-1	1.49	1.54	1.60	1.54	3.56	ppb
Arsenic	75-2	123.40	122.73	124.38	123.50	0.67	ppb
Barium	135-1	547.22	547.54	563.55	552.77	1.69	ppb
Barium	137-1	549.01	550.67	561.02	553.57	1.18	ppb
Beryllium	9-1	1.56	1.76	1.67	1.66	6.16	ppb
Bismuth	209-1				105		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.24	2.63	3.15	3.01	10.93	ppb
Cadmium	106-1	2.65	2.51	1.10	2.09	41.13	ppb
Cadmium	111-1	1.86	1.79	1.81	1.82	2.08	ppb
Calcium	43-1	21877.45	22235.61	22457.90	22190.32	1.32	ppb
Calcium	44-1	21371.89	21462.50	21732.18	21522.19	0.87	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	109.25	109.23	109.60	109.36	0.19	ppb
Cobalt	59-2	50.63	51.01	51.11	50.91	0.50	ppb
Copper	63-2	299.22	300.77	301.44	300.48	0.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				102		%
Indium	115-1				95		%
Indium	115-2				96		%
Iron	56-2	95879.08	95377.49	96946.20	96067.59	0.83	ppb
Iron	57-2	93767.10	94288.39	94986.66	94347.39	0.65	ppb
Iron	54-2	94998.68	94675.90	96259.90	95311.49	0.88	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12A	Instrumnet Name :	P7
Client Sample ID :	MYE481ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:41:58	DataFile Name :	137SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	71.48	72.19	75.10	72.92	2.62	ppb
Lead	207-1	69.69	70.21	73.04	70.98	2.54	ppb
Lead	208-1	70.02	70.81	73.29	71.37	2.39	ppb
Lithium	6-1				98		%
Magnesium	24-2	21932.10	21802.55	21694.43	21809.69	0.55	ppb
Manganese	55-2	3255.56	3211.90	3305.86	3257.77	1.44	ppb
Molybdenum	94-1	28.70	29.18	29.36	29.08	1.18	ppb
Molybdenum	95-1	1.27	1.25	1.27	1.26	1.14	ppb
Molybdenum	96-1	4.67	4.84	4.68	4.73	2.00	ppb
Molybdenum	97-1	1.10	1.25	1.18	1.18	6.35	ppb
Molybdenum	98-1	1.19	1.20	1.17	1.19	1.22	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	100.51	99.37	101.30	100.39	0.97	ppb
Phosphorus	31-2	2094.66	2185.19	2058.09	2112.65	3.10	ppb
Potassium	39-2	10687.27	10987.91	10770.00	10815.06	1.44	ppb
Rhodium	103-1				93		%
Rhodium	103-2				95		%
Scandium	45-1				99		%
Scandium	45-2				95		%
Selenium	82-1	2.48	2.01	2.13	2.21	11.04	ppb
Selenium	77-2	18.03	13.36	9.02	13.47	33.43	ppb
Selenium	78-2	3.10	3.67	2.47	3.08	19.58	ppb
Silicon	28-1	2164.37	2210.84	2211.66	2195.62	1.23	ppb
Silver	107-1	1.82	1.86	1.85	1.84	1.25	ppb
Silver	109-1	1.81	1.81	1.86	1.83	1.74	ppb
Sodium	23-2	265.97	268.00	269.88	267.95	0.73	ppb
Strontium	86-1	98.50	100.07	99.02	99.20	0.81	ppb
Strontium	88-1	103.78	106.76	104.89	105.14	1.43	ppb
Sulfur	34-1	-2582.45	-2608.17	-2514.54	-2568.39		ppb
Terbium	159-1				101		%
Terbium	159-2				100		%
Thallium	203-1	0.35	0.39	0.38	0.37	5.21	ppb
Thallium	205-1	0.37	0.38	0.41	0.39	5.02	ppb
Tin	118-1	2.51	2.43	2.56	2.50	2.54	ppb
Titanium	47-1	1022.68	1040.41	1051.79	1038.30	1.41	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12A	Instrumnet Name :	P7
Client Sample ID :	MYE481ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:41:58	DataFile Name :	137SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.93	0.94	0.95	0.94	1.11	ppb
Vanadium	51-2	173.17	175.16	175.35	174.56	0.69	ppb
Yttrium	89-1				99		%
Yttrium	89-2				102		%
Zinc	66-2	263.96	265.29	264.11	264.45	0.28	ppb
Zirconium	90-1	16.62	17.34	17.02	16.99	2.13	ppb
Zirconium	91-1	16.74	17.18	17.00	16.97	1.28	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05A	Instrumnet Name :	P7
Client Sample ID :	MYE494ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:45:09	DataFile Name :	138SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49612.39	50468.45	49888.22	49989.69	0.87	ppb
Antimony	121-1	1.63	1.71	1.60	1.65	3.46	ppb
Arsenic	75-2	103.55	101.08	106.08	103.57	2.42	ppb
Barium	135-1	593.18	601.11	596.49	596.93	0.67	ppb
Barium	137-1	587.20	596.61	601.18	595.00	1.20	ppb
Beryllium	9-1	1.58	1.73	1.67	1.66	4.54	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.57	2.02	2.52	2.37	12.95	ppb
Cadmium	106-1	0.66	0.74	0.36	0.59	33.50	ppb
Cadmium	111-1	0.77	0.78	0.73	0.76	3.42	ppb
Calcium	43-1	27511.73	27612.99	27441.49	27522.07	0.31	ppb
Calcium	44-1	26662.07	26574.59	26770.21	26668.96	0.37	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	94.87	95.46	95.28	95.20	0.32	ppb
Cobalt	59-2	45.09	45.05	45.00	45.05	0.09	ppb
Copper	63-2	172.70	173.55	172.29	172.85	0.37	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				103		%
Indium	115-1				95		%
Indium	115-2				95		%
Iron	56-2	94871.39	96939.23	95563.11	95791.25	1.10	ppb
Iron	57-2	93795.94	96175.78	93400.91	94457.54	1.59	ppb
Iron	54-2	94876.75	96687.19	95167.81	95577.25	1.02	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05A	Instrumnet Name :	P7
Client Sample ID :	MYE494ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:45:09	DataFile Name :	138SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	39.75	40.10	41.14	40.33	1.79	ppb
Lead	207-1	37.91	38.68	39.57	38.72	2.15	ppb
Lead	208-1	38.41	38.99	39.87	39.09	1.87	ppb
Lithium	6-1				94		%
Magnesium	24-2	22394.02	22217.67	22418.31	22343.34	0.49	ppb
Manganese	55-2	1934.54	2008.00	1935.55	1959.36	2.15	ppb
Molybdenum	94-1	31.19	31.25	31.86	31.44	1.19	ppb
Molybdenum	95-1	0.93	1.00	0.96	0.96	3.26	ppb
Molybdenum	96-1	4.65	4.70	4.91	4.75	2.82	ppb
Molybdenum	97-1	1.00	0.98	1.02	1.00	2.43	ppb
Molybdenum	98-1	0.98	0.93	0.98	0.96	2.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	104.61	106.28	105.87	105.59	0.82	ppb
Phosphorus	31-2	2552.44	2572.71	2577.72	2567.62	0.52	ppb
Potassium	39-2	9683.79	9808.47	9773.19	9755.15	0.66	ppb
Rhodium	103-1				93		%
Rhodium	103-2				94		%
Scandium	45-1				98		%
Scandium	45-2				96		%
Selenium	82-1	1.26	1.26	0.14	0.89	72.57	ppb
Selenium	77-2	13.95	20.42	13.90	16.09	23.32	ppb
Selenium	78-2	3.26	3.76	1.65	2.89	38.11	ppb
Silicon	28-1	1710.60	1743.88	1715.38	1723.29	1.04	ppb
Silver	107-1	1.29	1.35	1.32	1.32	2.03	ppb
Silver	109-1	1.33	1.37	1.32	1.34	1.92	ppb
Sodium	23-2	439.54	444.92	438.79	441.08	0.76	ppb
Strontium	86-1	221.35	224.00	228.46	224.60	1.60	ppb
Strontium	88-1	238.81	238.94	240.34	239.37	0.35	ppb
Sulfur	34-1	-2313.62	-2312.25	-2345.90	-2323.92		ppb
Terbium	159-1				100		%
Terbium	159-2				101		%
Thallium	203-1	0.26	0.26	0.26	0.26	0.59	ppb
Thallium	205-1	0.26	0.26	0.27	0.27	3.01	ppb
Tin	118-1	2.95	2.97	2.88	2.94	1.54	ppb
Titanium	47-1	1058.07	1071.57	1070.45	1066.70	0.70	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05A	Instrumnet Name :	P7
Client Sample ID :	MYE494ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:45:09	DataFile Name :	138SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.96	0.99	1.01	0.99	2.27	ppb
Vanadium	51-2	177.77	180.73	177.61	178.70	0.98	ppb
Yttrium	89-1				99		%
Yttrium	89-2				101		%
Zinc	66-2	192.58	194.06	193.77	193.47	0.40	ppb
Zirconium	90-1	18.44	18.52	18.89	18.61	1.28	ppb
Zirconium	91-1	18.43	18.98	18.94	18.78	1.64	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164430BL	Instrumnet Name :	P7
Client Sample ID :	PBS430	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:54:32	DataFile Name :	139CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.43	4.33	4.52	4.10	14.27	ppb
Antimony	121-1	0.00	0.00	0.01	0.00	52.19	ppb
Arsenic	75-2	0.00	0.00	0.00	0.00		ppb
Barium	135-1	0.04	0.07	0.07	0.06	28.41	ppb
Barium	137-1	0.04	0.05	0.06	0.05	20.82	ppb
Beryllium	9-1	-0.01	-0.01	-0.02	-0.01		ppb
Bismuth	209-1				105		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.10	-0.06	-0.10	-0.09		ppb
Cadmium	106-1	-2.36	-2.85	-2.49	-2.57		ppb
Cadmium	111-1	-0.16	-0.20	-0.18	-0.18		ppb
Calcium	43-1	1.58	-0.06	-0.66	0.29	404.83	ppb
Calcium	44-1	-16.06	-17.44	-14.75	-16.08		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	-0.02	0.03	0.00	718.51	ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	-0.07	-0.12	-0.13	-0.11		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				101		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	7.18	7.45	7.76	7.46	3.89	ppb
Iron	57-2	2.57	3.45	4.21	3.41	23.99	ppb
Iron	54-2	7.64	8.48	5.76	7.30	19.08	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164430BL	Instrumnet Name :	P7
Client Sample ID :	PBS430	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:54:32	DataFile Name :	139CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	0.03	0.02	0.03	27.22	ppb
Lead	207-1	0.03	0.02	0.02	0.02	37.96	ppb
Lead	208-1	0.02	0.02	0.02	0.02	12.99	ppb
Lithium	6-1				96		%
Magnesium	24-2	1.92	2.02	2.03	1.99	3.10	ppb
Manganese	55-2	0.10	0.19	0.13	0.14	31.50	ppb
Molybdenum	94-1	0.00	0.00	0.01	0.00	131.33	ppb
Molybdenum	95-1	0.00	-0.01	0.00	0.00		ppb
Molybdenum	96-1	0.01	0.01	0.00	0.01	32.04	ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00	951.49	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	0.01	-0.03	0.00		ppb
Phosphorus	31-2	-16.88	-26.26	-15.17	-19.44		ppb
Potassium	39-2	-11.69	-15.04	-15.25	-13.99		ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				96		%
Scandium	45-2				92		%
Selenium	82-1	-0.42	0.71	-0.24	0.01	4912.13	ppb
Selenium	77-2	-0.37	-0.37	-0.37	-0.37		ppb
Selenium	78-2	-0.04	0.86	-0.66	0.05	1417.91	ppb
Silicon	28-1	-2.33	-2.73	-2.03	-2.36		ppb
Silver	107-1	0.00	0.00	0.00	0.00	29.96	ppb
Silver	109-1	0.00	0.00	0.00	0.00	297.14	ppb
Sodium	23-2	-2.22	-4.17	-3.93	-3.44		ppb
Strontium	86-1	0.01	-0.03	0.02	0.00		ppb
Strontium	88-1	0.01	0.01	0.02	0.01	20.10	ppb
Sulfur	34-1	-2382.68	-2438.64	-2226.97	-2349.43		ppb
Terbium	159-1				100		%
Terbium	159-2				99		%
Thallium	203-1	0.00	0.00	0.01	0.00	111.96	ppb
Thallium	205-1	0.00	0.00	0.00	0.00		ppb
Tin	118-1	0.05	0.02	0.12	0.06	79.49	ppb
Titanium	47-1	0.07	0.05	0.07	0.06	21.45	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164430BL	Instrumnet Name :	P7
Client Sample ID :	PBS430	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:54:32	DataFile Name :	139CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.01	0.01	0.02	0.01	50.44	ppb
Yttrium	89-1				98		%
Yttrium	89-2				99		%
Zinc	66-2	0.17	0.04	0.00	0.07	130.09	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00		ppb
Zirconium	91-1	0.01	0.00	-0.01	0.00		ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164430BS	Instrumnet Name :	P7
Client Sample ID :	LCS430	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:57:49	DataFile Name :	140LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	41.70	38.90	38.16	39.59	4.71	ppb
Antimony	121-1	3.67	3.84	3.81	3.77	2.43	ppb
Arsenic	75-2	2.32	1.88	2.11	2.11	10.42	ppb
Barium	135-1	17.46	17.77	17.54	17.59	0.92	ppb
Barium	137-1	17.26	17.79	17.78	17.61	1.72	ppb
Beryllium	9-1	2.06	1.90	2.06	2.00	4.67	ppb
Bismuth	209-1				107		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.88	2.19	2.29	2.12	10.12	ppb
Cadmium	106-1	1.44	-0.27	0.64	0.60	141.40	ppb
Cadmium	111-1	2.04	1.95	2.13	2.04	4.37	ppb
Calcium	43-1	912.09	960.42	950.81	941.11	2.72	ppb
Calcium	44-1	920.78	947.95	927.20	931.97	1.52	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5.11	4.17	4.31	4.53	11.21	ppb
Cobalt	59-2	2.27	2.00	1.97	2.08	7.86	ppb
Copper	63-2	4.50	3.93	3.99	4.14	7.58	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				98		%
Indium	115-1				100		%
Indium	115-2				96		%
Iron	56-2	474.30	424.41	420.21	439.64	6.84	ppb
Iron	57-2	471.95	421.02	419.42	437.46	6.83	ppb
Iron	54-2	480.19	422.84	416.72	439.92	7.96	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164430BS	Instrumnet Name :	P7
Client Sample ID :	LCS430	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:57:49	DataFile Name :	140LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.71	1.65	1.77	1.71	3.39	ppb
Lead	207-1	1.55	1.72	1.68	1.65	5.30	ppb
Lead	208-1	1.64	1.67	1.71	1.68	2.05	ppb
Lithium	6-1				96		%
Magnesium	24-2	1144.26	1033.10	1014.71	1064.02	6.59	ppb
Manganese	55-2	2.31	2.14	2.07	2.17	5.79	ppb
Molybdenum	94-1	10.14	10.26	10.59	10.33	2.29	ppb
Molybdenum	95-1	8.24	8.51	8.62	8.45	2.35	ppb
Molybdenum	96-1	8.51	8.91	8.93	8.79	2.69	ppb
Molybdenum	97-1	8.43	8.67	8.96	8.68	3.04	ppb
Molybdenum	98-1	8.21	8.33	8.55	8.36	2.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.44	2.37	2.21	2.34	5.06	ppb
Phosphorus	31-2	-20.31	-18.19	-19.55	-19.35		ppb
Potassium	39-2	1160.16	1018.21	1005.79	1061.39	8.08	ppb
Rhodium	103-1				99		%
Rhodium	103-2				94		%
Scandium	45-1				96		%
Scandium	45-2				89		%
Selenium	82-1	10.23	9.86	10.97	10.35	5.45	ppb
Selenium	77-2	12.87	9.49	7.82	10.06	25.56	ppb
Selenium	78-2	12.68	8.55	9.44	10.22	21.25	ppb
Silicon	28-1	4.29	5.29	4.67	4.75	10.63	ppb
Silver	107-1	1.82	1.84	1.91	1.86	2.46	ppb
Silver	109-1	1.78	1.76	1.80	1.78	1.07	ppb
Sodium	23-2	1099.27	980.36	961.02	1013.55	7.39	ppb
Strontium	86-1	1.71	1.78	1.93	1.81	6.33	ppb
Strontium	88-1	1.85	1.95	1.96	1.92	3.17	ppb
Sulfur	34-1	-2115.10	-1822.85	-1834.36	-1924.11		ppb
Terbium	159-1				101		%
Terbium	159-2				97		%
Thallium	203-1	1.62	1.61	1.65	1.63	1.23	ppb
Thallium	205-1	1.57	1.63	1.66	1.62	2.66	ppb
Tin	118-1	0.10	0.08	0.07	0.08	19.14	ppb
Titanium	47-1	9.78	8.90	8.72	9.13	6.18	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164430BS	Instrumnet Name :	P7
Client Sample ID :	LCS430	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:57:49	DataFile Name :	140LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.50	1.55	1.57	1.54	2.41	ppb
Vanadium	51-2	11.38	9.98	9.83	10.40	8.18	ppb
Yttrium	89-1				98		%
Yttrium	89-2				95		%
Zinc	66-2	11.64	9.95	10.13	10.57	8.80	ppb
Zirconium	90-1	1.91	1.89	1.95	1.92	1.60	ppb
Zirconium	91-1	1.82	2.05	1.95	1.94	5.98	ppb

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV040	Instrumnet Name :	P7
Client Sample ID :	CCV040	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 20:01:09	DataFile Name :	141CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49081.14	49315.31	48521.01	48972.49	0.83	ppb
Antimony	121-1	500.68	494.48	501.79	498.99	0.79	ppb
Arsenic	75-2	517.18	523.13	514.04	518.12	0.89	ppb
Barium	135-1	2511.33	2500.72	2510.38	2507.48	0.23	ppb
Barium	137-1	2518.42	2524.12	2514.31	2518.95	0.20	ppb
Beryllium	9-1	508.36	509.70	506.59	508.22	0.31	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	506.74	507.49	505.94	506.73	0.15	ppb
Cadmium	106-1	502.13	502.30	508.58	504.34	0.73	ppb
Cadmium	111-1	502.20	501.34	505.75	503.09	0.46	ppb
Calcium	43-1	246115.02	246936.25	242787.25	245279.51	0.90	ppb
Calcium	44-1	240977.22	244510.67	242246.97	242578.29	0.74	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	499.82	496.26	498.31	498.13	0.36	ppb
Cobalt	59-2	533.22	533.71	532.42	533.12	0.12	ppb
Copper	63-2	5118.11	5238.95	5209.60	5188.89	1.21	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				106		%
Indium	115-1				96		%
Indium	115-2				95		%
Iron	56-2	126430.97	126688.78	126859.05	126659.60	0.17	ppb
Iron	57-2	125067.76	125490.55	125690.39	125416.23	0.25	ppb
Iron	54-2	125463.84	126273.36	126103.36	125946.85	0.34	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV040	Instrumnet Name :	P7
Client Sample ID :	CCV040	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 20:01:09	DataFile Name :	141CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2516.07	2524.27	2616.07	2552.14	2.18	ppb
Lead	207-1	2485.84	2470.47	2576.25	2510.86	2.28	ppb
Lead	208-1	2475.10	2493.39	2574.70	2514.40	2.11	ppb
Lithium	6-1				105		%
Magnesium	24-2	252474.32	248946.03	249990.15	250470.17	0.72	ppb
Manganese	55-2	4963.97	5019.17	5006.23	4996.45	0.58	ppb
Molybdenum	94-1	4898.22	5081.61	5014.72	4998.18	1.86	ppb
Molybdenum	95-1	4895.88	5040.78	5023.24	4986.64	1.59	ppb
Molybdenum	96-1	4861.47	5041.05	5026.27	4976.27	2.00	ppb
Molybdenum	97-1	4834.06	5092.53	5009.42	4978.67	2.65	ppb
Molybdenum	98-1	4839.85	5056.74	4985.30	4960.63	2.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	518.20	518.64	521.55	519.46	0.35	ppb
Phosphorus	31-2	9911.96	9943.83	9881.02	9912.27	0.32	ppb
Potassium	39-2	123681.84	122746.88	122867.60	123098.77	0.41	ppb
Rhodium	103-1				93		%
Rhodium	103-2				91		%
Scandium	45-1				96		%
Scandium	45-2				92		%
Selenium	82-1	496.79	506.00	509.04	503.94	1.27	ppb
Selenium	77-2	521.82	507.46	501.77	510.35	2.02	ppb
Selenium	78-2	505.34	512.21	497.20	504.92	1.49	ppb
Silicon	28-1	2850.21	2851.97	2973.07	2891.75	2.44	ppb
Silver	107-1	521.04	514.22	517.14	517.47	0.66	ppb
Silver	109-1	522.92	511.10	522.06	518.69	1.27	ppb
Sodium	23-2	247547.68	245603.96	245112.93	246088.19	0.52	ppb
Strontium	86-1	12306.89	12617.26	12400.41	12441.52	1.28	ppb
Strontium	88-1	12102.44	12640.87	12723.06	12488.79	2.70	ppb
Sulfur	34-1	9412.52	9336.94	9482.62	9410.69	0.77	ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	509.68	505.50	522.01	512.40	1.68	ppb
Thallium	205-1	500.65	507.66	528.15	512.15	2.79	ppb
Tin	118-1	485.01	485.80	491.95	487.59	0.78	ppb
Titanium	47-1	4944.80	5020.31	4969.05	4978.05	0.77	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV040	Instrumnet Name :	P7
Client Sample ID :	CCV040	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 20:01:09	DataFile Name :	141CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	500.88	505.44	519.75	508.69	1.94	ppb
Vanadium	51-2	504.77	506.17	501.43	504.12	0.48	ppb
Yttrium	89-1				98		%
Yttrium	89-2				98		%
Zinc	66-2	5228.61	5306.34	5153.20	5229.38	1.46	ppb
Zirconium	90-1	503.04	519.31	513.54	511.96	1.61	ppb
Zirconium	91-1	482.92	500.78	496.55	493.41	1.89	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB040	Instrumnet Name :	P7
Client Sample ID :	CCB040	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 20:03:55	DataFile Name :	142CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.97	5.09	6.52	5.53	15.57	ppb
Antimony	121-1	0.35	0.32	0.36	0.35	5.22	ppb
Arsenic	75-2	0.03	0.11	0.04	0.06	81.74	ppb
Barium	135-1	0.31	0.19	0.27	0.26	22.34	ppb
Barium	137-1	0.28	0.28	0.24	0.27	6.96	ppb
Beryllium	9-1	0.05	0.11	0.05	0.07	50.37	ppb
Bismuth	209-1				112		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.00	-0.10	-0.03	-0.04		ppb
Cadmium	106-1	-1.04	-1.43	-0.77	-1.08		ppb
Cadmium	111-1	0.02	-0.04	0.05	0.01	371.39	ppb
Calcium	43-1	31.03	27.30	17.89	25.41	26.64	ppb
Calcium	44-1	14.98	7.96	7.84	10.26	39.87	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.06	0.06	0.05	0.06	1.86	ppb
Cobalt	59-2	0.03	0.04	0.03	0.03	11.99	ppb
Copper	63-2	0.36	0.37	0.33	0.35	6.12	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				104		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	56-2	12.98	12.99	12.98	12.98	0.06	ppb
Iron	57-2	8.94	8.61	11.22	9.59	14.85	ppb
Iron	54-2	12.77	11.48	11.86	12.04	5.55	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB040	Instrumnet Name :	P7
Client Sample ID :	CCB040	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 20:03:55	DataFile Name :	142CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.30	0.29	0.24	0.28	11.51	ppb
Lead	207-1	0.29	0.27	0.23	0.26	11.82	ppb
Lead	208-1	0.29	0.27	0.25	0.27	8.33	ppb
Lithium	6-1				108		%
Magnesium	24-2	24.34	23.59	23.90	23.95	1.58	ppb
Manganese	55-2	0.46	0.45	0.43	0.45	2.77	ppb
Molybdenum	94-1	0.68	0.59	0.57	0.61	9.77	ppb
Molybdenum	95-1	0.74	0.62	0.60	0.65	11.86	ppb
Molybdenum	96-1	0.69	0.62	0.58	0.63	9.16	ppb
Molybdenum	97-1	0.66	0.61	0.53	0.60	10.61	ppb
Molybdenum	98-1	0.69	0.58	0.57	0.62	11.05	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.27	0.28	0.15	0.23	31.08	ppb
Phosphorus	31-2	-19.75	-21.20	-24.40	-21.78		ppb
Potassium	39-2	4.12	5.20	2.39	3.91	36.27	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				96		%
Scandium	45-2				91		%
Selenium	82-1	0.76	1.00	-0.17	0.53	116.66	ppb
Selenium	77-2	0.39	-0.37	-0.37	-0.12		ppb
Selenium	78-2	-1.92	-2.58	-1.03	-1.84		ppb
Silicon	28-1	-0.85	-1.39	-1.06	-1.10		ppb
Silver	107-1	0.09	0.07	0.06	0.07	24.10	ppb
Silver	109-1	0.08	0.07	0.06	0.07	15.86	ppb
Sodium	23-2	36.31	34.73	34.24	35.10	3.08	ppb
Strontium	86-1	1.47	1.18	0.95	1.20	21.58	ppb
Strontium	88-1	1.41	1.18	1.09	1.22	13.44	ppb
Sulfur	34-1	-552.07	-551.54	-370.56	-491.39		ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	0.10	0.10	0.08	0.09	8.14	ppb
Thallium	205-1	0.10	0.08	0.08	0.09	13.13	ppb
Tin	118-1	0.12	0.11	0.10	0.11	9.02	ppb
Titanium	47-1	0.63	0.52	0.48	0.55	14.07	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB040	Instrumnet Name :	P7
Client Sample ID :	CCB040	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 20:03:55	DataFile Name :	142CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.05	0.04	0.04	0.04	21.89	ppb
Vanadium	51-2	0.04	0.05	0.05	0.05	11.26	ppb
Yttrium	89-1				97		%
Yttrium	89-2				98		%
Zinc	66-2	0.90	0.99	1.14	1.01	11.93	ppb
Zirconium	90-1	0.07	0.07	0.08	0.07	10.77	ppb
Zirconium	91-1	0.06	0.08	0.08	0.07	17.47	ppb

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:18:29	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	190	200	277	222	21.34	cps
Antimony	121-1	30	43	27	33	26.45	cps
Arsenic	75-2	7	10	7	8	24.71	cps
Barium	135-1	43	53	40	46	15.23	cps
Barium	137-1	77	77	50	68	22.72	cps
Beryllium	9-1	10	23	10	14	53.28	cps
Bismuth	209-1	3413168	3312563	3259263	3328331	2.35	cps
Bismuth	209-2	2517669	2546793	2549595	2538019	0.70	cps
Bromine	81-1	5925	5798	5701	5808	1.93	cps
Bromine	81-2	100	83	83	89	10.83	cps
Cadmium	108-1	10	10	17	12	31.50	cps
Cadmium	106-1	1233	1120	1173	1176	4.82	cps
Cadmium	111-1	866	780	816	821	5.26	cps
Calcium	43-1	197	213	163	191	13.32	cps
Calcium	44-1	13216	13343	13196	13252	0.60	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	667	590	590	616	7.19	cps
Cobalt	59-2	87	107	113	102	13.57	cps
Copper	63-2	1010	997	1067	1024	3.63	cps
Dysprosium	156-1	307	287	240	278	12.32	cps
Dysprosium	156-2	90	103	67	87	21.41	cps
Erbium	164-1	40	33	27	33	20.00	cps
Erbium	164-2	27	43	17	29	46.62	cps
Gadolinium	160-1	33	17	20	23	37.78	cps
Gadolinium	160-2	170	200	143	171	16.57	cps
Holmium	165-1	5655611	5598975	5488237	5580941	1.53	cps
Holmium	165-2	3722298	3769213	3703884	3731798	0.90	cps
Indium	115-1	4709048	4662466	4580898	4650804	1.39	cps
Indium	115-2	1751344	1733212	1723226	1735927	0.82	cps
Iron	56-2	10177	10184	9723	10028	2.63	cps
Iron	57-2	2930	2884	2800	2871	2.29	cps
Iron	54-2	1313	1363	1293	1323	2.72	cps
Krypton	83-1	137	230	200	189	25.22	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:18:29	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	130	160	183	158	16.95	cps
Lead	207-1	163	147	187	166	12.14	cps
Lead	208-1	617	697	760	691	10.39	cps
Lithium	6-1	550637	539715	528106	539486	2.09	cps
Magnesium	24-2	283	330	297	303	7.92	cps
Manganese	55-2	340	293	367	333	11.14	cps
Molybdenum	94-1	107	110	120	112	6.18	cps
Molybdenum	95-1	17	67	40	41	60.85	cps
Molybdenum	96-1	40	60	53	51	19.92	cps
Molybdenum	97-1	27	23	20	23	14.29	cps
Molybdenum	98-1	60	63	63	62	3.09	cps
Neodymium	150-1	0	10	0	3	173.21	cps
Neodymium	150-2	0	13	0	4	173.21	cps
Nickel	60-2	110	90	73	91	20.15	cps
Phosphorus	31-2	147	153	103	134	20.20	cps
Potassium	39-2	82013	81999	81939	81984	0.05	cps
Rhodium	103-1	4467097	4418077	4383408	4422860	0.95	cps
Rhodium	103-2	2907522	2930032	2917453	2918336	0.39	cps
Scandium	45-1	2619959	2576782	2568934	2588559	1.06	cps
Scandium	45-2	297196	299820	299016	298677	0.45	cps
Selenium	82-1	284	221	216	240	15.88	cps
Selenium	77-2	3	7	0	3	100.05	cps
Selenium	78-2	370	323	380	358	8.45	cps
Silicon	28-1	190409	191614	192046	191356	0.44	cps
Silver	107-1	43	33	30	36	19.51	cps
Silver	109-1	37	7	17	20	76.36	cps
Sodium	23-2	31522	31152	31663	31445	0.84	cps
Strontium	86-1	320	347	330	332	4.05	cps
Strontium	88-1	147	90	143	127	25.11	cps
Sulfur	34-1	132639	130403	132508	131850	0.95	cps
Terbium	159-1	5900916	5734665	5659876	5765152	2.14	cps
Terbium	159-2	3806642	3780486	3794982	3794037	0.35	cps
Thallium	203-1	70	33	60	54	34.82	cps
Thallium	205-1	160	147	150	152	4.56	cps
Tin	118-1	977	913	887	926	4.99	cps
Titanium	47-1	77	113	110	100	20.28	cps

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On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:18:29	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	20	37	7	21	71.19	cps
Vanadium	51-2	7	10	20	12	56.76	cps
Yttrium	89-1	8007705	7959142	7754193	7907013	1.70	cps
Yttrium	89-2	2275808	2301174	2305233	2294072	0.70	cps
Zinc	66-2	347	413	363	374	9.27	cps
Zirconium	90-1	330	223	217	257	24.78	cps
Zirconium	91-1	63	73	50	62	18.81	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:25:05	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2734	2857	2760	2784	2.33	cps
Antimony	121-1	9260	9777	9443	9493	2.76	cps
Arsenic	75-2	343	457	360	387	15.83	cps
Barium	135-1	11124	11511	11351	11329	1.72	cps
Barium	137-1	19450	19670	19430	19517	0.68	cps
Beryllium	9-1	550	520	520	530	3.27	cps
Bismuth	209-1	3152539	3204174	3194309	3183674	0.86	cps
Bismuth	209-2	2472299	2479808	2456455	2469521	0.48	cps
Bromine	81-1	5058	5314	5108	5160	2.64	cps
Bromine	81-2	40	43	47	43	7.70	cps
Cadmium	108-1	100	93	87	93	7.14	cps
Cadmium	106-1	1257	1210	1267	1245	2.43	cps
Cadmium	111-1	1996	1888	2016	1967	3.49	cps
Calcium	43-1	6365	6388	6581	6445	1.85	cps
Calcium	44-1	113427	116355	117245	115676	1.73	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5971	5951	5951	5958	0.19	cps
Cobalt	59-2	4121	3984	4014	4039	1.78	cps
Copper	63-2	6365	6115	6435	6305	2.67	cps
Dysprosium	156-1	220	220	300	247	18.73	cps
Dysprosium	156-2	87	67	73	76	13.48	cps
Erbium	164-1	43	33	47	41	16.89	cps
Erbium	164-2	30	20	7	19	61.96	cps
Gadolinium	160-1	30	20	33	28	24.98	cps
Gadolinium	160-2	140	130	167	146	13.02	cps
Holmium	165-1	5195849	5223338	5173393	5197527	0.48	cps
Holmium	165-2	3594862	3567717	3710994	3624524	2.10	cps
Indium	115-1	4266543	4340432	4375874	4327616	1.29	cps
Indium	115-2	1669640	1681346	1697060	1682682	0.82	cps
Iron	56-2	124511	123569	124201	124094	0.39	cps
Iron	57-2	5708	5848	6085	5880	3.24	cps
Iron	54-2	8322	8106	8156	8195	1.39	cps
Krypton	83-1	143	227	170	180	23.64	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:25:05	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3167	3174	3027	3123	2.65	cps
Lead	207-1	2644	2647	2717	2669	1.55	cps
Lead	208-1	12319	12506	12472	12432	0.80	cps
Lithium	6-1	492823	501057	498290	497390	0.84	cps
Magnesium	24-2	118045	116111	116990	117049	0.83	cps
Manganese	55-2	2194	2320	2200	2238	3.19	cps
Molybdenum	94-1	10324	9910	9973	10069	2.21	cps
Molybdenum	95-1	11701	12038	11635	11791	1.83	cps
Molybdenum	96-1	12872	13393	13580	13282	2.76	cps
Molybdenum	97-1	7249	7295	7579	7374	2.42	cps
Molybdenum	98-1	18515	18799	19500	18938	2.68	cps
Neodymium	150-1	10	7	3	7	50.03	cps
Neodymium	150-2	7	0	7	4	86.60	cps
Nickel	60-2	1180	1010	1147	1112	8.10	cps
Phosphorus	31-2	427	443	413	428	3.51	cps
Potassium	39-2	237859	237054	237515	237476	0.17	cps
Rhodium	103-1	4167780	4234503	4215432	4205905	0.82	cps
Rhodium	103-2	2775163	2781935	2821657	2792918	0.90	cps
Scandium	45-1	2399057	2464040	2453291	2438796	1.43	cps
Scandium	45-2	292075	292549	290748	291791	0.32	cps
Selenium	82-1	601	515	591	569	8.22	cps
Selenium	77-2	37	57	47	47	21.43	cps
Selenium	78-2	493	580	483	519	10.24	cps
Silicon	28-1	210372	211148	212623	211381	0.54	cps
Silver	107-1	5304	5711	5504	5507	3.69	cps
Silver	109-1	5011	5451	5561	5341	5.45	cps
Sodium	23-2	224687	222564	223871	223707	0.48	cps
Strontium	86-1	1810	1930	1860	1867	3.23	cps
Strontium	88-1	13129	13750	13817	13565	2.79	cps
Sulfur	34-1	129479	129358	130730	129856	0.58	cps
Terbium	159-1	5388755	5414385	5383629	5395590	0.31	cps
Terbium	159-2	3670603	3617952	3660313	3649623	0.76	cps
Thallium	203-1	3744	3794	3804	3781	0.85	cps
Thallium	205-1	8276	8583	8976	8612	4.08	cps
Tin	118-1	18859	19400	19356	19205	1.56	cps
Titanium	47-1	3010	3097	3164	3090	2.49	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:25:05	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11031	10981	11402	11138	2.06	cps
Vanadium	51-2	11698	11755	11528	11660	1.01	cps
Yttrium	89-1	7220824	7378236	7416481	7338514	1.41	cps
Yttrium	89-2	2257974	2247182	2257664	2254273	0.27	cps
Zinc	66-2	2737	2554	2720	2670	3.80	cps
Zirconium	90-1	8226	8359	8613	8399	2.34	cps
Zirconium	91-1	1863	1953	1920	1912	2.38	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:28:22	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	140422	140022	141142	140529	0.40	cps
Antimony	121-1	249700	255808	259567	255025	1.95	cps
Arsenic	75-2	18218	18275	18091	18195	0.52	cps
Barium	135-1	303675	311284	311266	308741	1.42	cps
Barium	137-1	520503	533670	539401	531191	1.82	cps
Beryllium	9-1	27518	28523	29324	28455	3.18	cps
Bismuth	209-1	3161509	3210376	3249045	3206977	1.37	cps
Bismuth	209-2	2476610	2453790	2481644	2470681	0.60	cps
Bromine	81-1	4958	5031	5188	5059	2.32	cps
Bromine	81-2	57	37	50	48	21.31	cps
Cadmium	108-1	4154	4441	4801	4465	7.26	cps
Cadmium	106-1	7285	7385	7322	7331	0.69	cps
Cadmium	111-1	61817	63109	62471	62466	1.03	cps
Calcium	43-1	72837	77651	75238	75242	3.20	cps
Calcium	44-1	1146725	1179369	1176610	1167568	1.55	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	137665	136289	135522	136492	0.80	cps
Cobalt	59-2	201282	200715	201171	201056	0.15	cps
Copper	63-2	1428683	1436478	1434514	1433225	0.28	cps
Dysprosium	156-1	237	203	250	230	10.45	cps
Dysprosium	156-2	63	77	57	66	15.54	cps
Erbium	164-1	30	33	40	34	14.78	cps
Erbium	164-2	17	33	37	29	37.08	cps
Gadolinium	160-1	30	20	23	24	20.83	cps
Gadolinium	160-2	183	163	150	166	10.14	cps
Holmium	165-1	5348220	5221661	5346847	5305576	1.37	cps
Holmium	165-2	3682952	3685335	3682933	3683740	0.04	cps
Indium	115-1	4373602	4258052	4390488	4340714	1.66	cps
Indium	115-2	1673121	1682184	1712888	1689398	1.23	cps
Iron	56-2	5832517	5780305	5738519	5783780	0.81	cps
Iron	57-2	151165	151559	150983	151235	0.19	cps
Iron	54-2	339359	335631	336091	337027	0.60	cps
Krypton	83-1	203	193	230	209	9.07	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:28:22	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	776797	809130	799900	795276	2.09	cps
Lead	207-1	689801	709570	717146	705506	2.00	cps
Lead	208-1	3349283	3501464	3463449	3438065	2.30	cps
Lithium	6-1	514069	493887	501767	503241	2.02	cps
Magnesium	24-2	1143618	1129704	1146371	1139898	0.78	cps
Manganese	55-2	975000	974490	975560	975016	0.05	cps
Molybdenum	94-1	949895	977099	981121	969372	1.75	cps
Molybdenum	95-1	1380605	1418836	1421346	1406929	1.62	cps
Molybdenum	96-1	1501006	1545037	1571633	1539225	2.32	cps
Molybdenum	97-1	856093	884391	878235	872907	1.70	cps
Molybdenum	98-1	2246084	2338936	2335764	2306928	2.29	cps
Neodymium	150-1	13	10	20	14	35.26	cps
Neodymium	150-2	3	7	0	3	100.05	cps
Nickel	60-2	50873	51441	51455	51256	0.65	cps
Phosphorus	31-2	8266	8062	8002	8110	1.70	cps
Potassium	39-2	917562	914063	915829	915818	0.19	cps
Rhodium	103-1	4233310	4142760	4211695	4195922	1.13	cps
Rhodium	103-2	2825184	2779742	2823640	2809522	0.92	cps
Scandium	45-1	2428991	2366320	2461195	2418835	1.99	cps
Scandium	45-2	294625	293040	293501	293722	0.28	cps
Selenium	82-1	3808	4149	4131	4030	4.76	cps
Selenium	77-2	457	480	453	463	3.14	cps
Selenium	78-2	1827	1870	1937	1878	2.95	cps
Silicon	28-1	501068	514313	515539	510307	1.57	cps
Silver	107-1	308416	317752	314411	313526	1.51	cps
Silver	109-1	287732	295912	296175	293273	1.64	cps
Sodium	23-2	2037361	1965212	1995554	1999375	1.81	cps
Strontium	86-1	2094064	2103323	2136548	2111312	1.06	cps
Strontium	88-1	17986558	18363676	18386088	18245440	1.23	cps
Sulfur	34-1	146329	146881	145865	146358	0.35	cps
Terbium	159-1	5462304	5349041	5442307	5417884	1.12	cps
Terbium	159-2	3719648	3728774	3727141	3725188	0.13	cps
Thallium	203-1	194754	200490	199875	198373	1.59	cps
Thallium	205-1	454725	472219	474432	467125	2.31	cps
Tin	118-1	203657	208493	206986	206379	1.20	cps
Titanium	47-1	342102	352203	348986	347764	1.48	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:28:22	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	593680	610658	609803	604714	1.58	cps
Vanadium	51-2	122710	121475	120577	121587	0.88	cps
Yttrium	89-1	7593145	7324032	7464017	7460398	1.80	cps
Yttrium	89-2	2246856	2213681	2250752	2237096	0.91	cps
Zinc	66-2	235519	236532	236489	236180	0.24	cps
Zirconium	90-1	430223	441237	443649	438369	1.63	cps
Zirconium	91-1	95478	98404	97645	97176	1.56	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:31:33	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	339018	338115	335713	337615	0.51	cps
Antimony	121-1	625855	641689	648003	638516	1.79	cps
Arsenic	75-2	43972	44062	43885	43973	0.20	cps
Barium	135-1	763561	783477	786446	777828	1.60	cps
Barium	137-1	1303000	1332028	1340539	1325189	1.49	cps
Beryllium	9-1	71614	72933	74943	73163	2.29	cps
Bismuth	209-1	3339660	3353188	3367652	3353500	0.42	cps
Bismuth	209-2	2528096	2574239	2564559	2555631	0.95	cps
Bromine	81-1	5108	5291	5024	5141	2.65	cps
Bromine	81-2	20	33	50	34	43.64	cps
Cadmium	108-1	10924	10717	11768	11137	5.00	cps
Cadmium	106-1	16646	16877	16459	16661	1.25	cps
Cadmium	111-1	152132	158762	157583	156159	2.27	cps
Calcium	43-1	183380	186714	187382	185825	1.15	cps
Calcium	44-1	2713514	2808151	2728630	2750098	1.85	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	330883	332647	329381	330971	0.49	cps
Cobalt	59-2	486015	488464	484156	486212	0.44	cps
Copper	63-2	3616055	3683277	3617275	3638869	1.06	cps
Dysprosium	156-1	190	257	250	232	15.81	cps
Dysprosium	156-2	133	83	100	106	24.12	cps
Erbium	164-1	23	47	53	41	38.32	cps
Erbium	164-2	13	50	33	32	56.98	cps
Gadolinium	160-1	37	37	33	36	5.42	cps
Gadolinium	160-2	143	120	187	150	22.55	cps
Holmium	165-1	5361907	5468202	5372182	5400764	1.09	cps
Holmium	165-2	3700128	3815707	3699518	3738451	1.79	cps
Indium	115-1	4374866	4514644	4413723	4434411	1.63	cps
Indium	115-2	1682413	1654744	1656891	1664683	0.92	cps
Iron	56-2	14075952	14061814	13922689	14020152	0.60	cps
Iron	57-2	370686	368848	363722	367752	0.98	cps
Iron	54-2	825550	814967	813727	818081	0.79	cps
Krypton	83-1	133	213	170	172	23.25	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:31:33	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2228089	2313443	2315919	2285817	2.19	cps
Lead	207-1	2027416	2081705	2063468	2057530	1.34	cps
Lead	208-1	9175073	9377321	9380297	9310897	1.26	cps
Lithium	6-1	529901	545044	550714	541886	1.99	cps
Magnesium	24-2	2768945	2769960	2770247	2769717	0.02	cps
Manganese	55-2	2357008	2339380	2315916	2337435	0.88	cps
Molybdenum	94-1	2399448	2429142	2489785	2439459	1.89	cps
Molybdenum	95-1	3480220	3497544	3597228	3524997	1.79	cps
Molybdenum	96-1	3781899	3914492	3946790	3881060	2.25	cps
Molybdenum	97-1	2162864	2196615	2246622	2202034	1.91	cps
Molybdenum	98-1	5641661	5709977	5765590	5705742	1.09	cps
Neodymium	150-1	33	40	37	37	9.10	cps
Neodymium	150-2	3	10	7	7	50.03	cps
Nickel	60-2	125137	124508	123013	124219	0.88	cps
Phosphorus	31-2	19606	19903	20080	19863	1.21	cps
Potassium	39-2	1963476	1990403	1986084	1979987	0.73	cps
Rhodium	103-1	4165446	4213835	4237328	4205536	0.87	cps
Rhodium	103-2	2812534	2816359	2834061	2820985	0.41	cps
Scandium	45-1	2415972	2439795	2439193	2431653	0.56	cps
Scandium	45-2	286584	287301	287726	287203	0.20	cps
Selenium	82-1	9656	9826	9874	9785	1.17	cps
Selenium	77-2	1057	1097	980	1044	5.68	cps
Selenium	78-2	4171	4047	4291	4170	2.92	cps
Silicon	28-1	952033	975955	986422	971470	1.81	cps
Silver	107-1	770154	781693	784955	778934	1.00	cps
Silver	109-1	717238	736056	733203	728832	1.39	cps
Sodium	23-2	4761167	4715258	4763573	4746666	0.57	cps
Strontium	86-1	5035385	5176580	5178157	5130041	1.60	cps
Strontium	88-1	44637556	45073458	44987814	44899609	0.51	cps
Sulfur	34-1	168046	171433	170024	169834	1.00	cps
Terbium	159-1	5541168	5607957	5646225	5598450	0.95	cps
Terbium	159-2	3759418	3839296	3755268	3784661	1.25	cps
Thallium	203-1	493890	505696	507496	502361	1.47	cps
Thallium	205-1	1161084	1187826	1198314	1182408	1.62	cps
Tin	118-1	503927	522527	517148	514534	1.86	cps
Titanium	47-1	843923	868951	867654	860176	1.64	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:31:33	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1532661	1561968	1784869	1626500	8.48	cps
Vanadium	51-2	296861	294944	295124	295643	0.36	cps
Yttrium	89-1	7503240	7464572	7537702	7501838	0.49	cps
Yttrium	89-2	2240498	2273102	2249595	2254398	0.75	cps
Zinc	66-2	577763	576044	573026	575611	0.42	cps
Zirconium	90-1	1062690	1084939	1104987	1084205	1.95	cps
Zirconium	91-1	234949	244967	244492	241469	2.34	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:34:33	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	663432	662990	660895	662439	0.20	cps
Antimony	121-1	1259692	1296110	1304208	1286670	1.84	cps
Arsenic	75-2	87855	86681	86262	86933	0.95	cps
Barium	135-1	1649832	1669059	1711144	1676678	1.87	cps
Barium	137-1	2849058	2888027	2913195	2883426	1.12	cps
Beryllium	9-1	149357	151995	153391	151581	1.35	cps
Bismuth	209-1	3399120	3412065	3475666	3428950	1.19	cps
Bismuth	209-2	2657568	2607211	2599857	2621545	1.20	cps
Bromine	81-1	5038	4911	4797	4915	2.44	cps
Bromine	81-2	40	40	33	38	10.19	cps
Cadmium	108-1	22013	22771	22291	22358	1.71	cps
Cadmium	106-1	32206	32924	32694	32608	1.12	cps
Cadmium	111-1	309162	314311	314129	312534	0.93	cps
Calcium	43-1	359766	374417	374448	369544	2.29	cps
Calcium	44-1	5421571	5485342	5488233	5465049	0.69	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	649863	648851	638704	645806	0.96	cps
Cobalt	59-2	956566	957903	956687	957052	0.08	cps
Copper	63-2	7067558	7070293	6993662	7043838	0.62	cps
Dysprosium	156-1	227	270	237	244	9.28	cps
Dysprosium	156-2	163	120	140	141	15.37	cps
Erbium	164-1	37	67	47	50	30.55	cps
Erbium	164-2	40	17	30	29	40.51	cps
Gadolinium	160-1	43	27	53	41	32.76	cps
Gadolinium	160-2	150	160	170	160	6.25	cps
Holmium	165-1	5569275	5526001	5578558	5557945	0.50	cps
Holmium	165-2	3907705	3796435	3827088	3843743	1.50	cps
Indium	115-1	4399490	4443386	4464804	4435893	0.75	cps
Indium	115-2	1693177	1714990	1674897	1694355	1.18	cps
Iron	56-2	27708305	27713628	27642754	27688229	0.14	cps
Iron	57-2	722011	718032	714703	718249	0.51	cps
Iron	54-2	1563905	1538630	1539591	1547376	0.93	cps
Krypton	83-1	180	180	180	180	0.00	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:34:33	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4564372	4790286	4797556	4717405	2.81	cps
Lead	207-1	4106764	4309004	4295320	4237029	2.67	cps
Lead	208-1	18637612	19248295	19306719	19064209	1.94	cps
Lithium	6-1	562015	588023	586116	578718	2.50	cps
Magnesium	24-2	5488870	5466787	5390284	5448647	0.95	cps
Manganese	55-2	4691311	4640624	4568640	4633525	1.33	cps
Molybdenum	94-1	4839429	4963459	4852064	4884984	1.40	cps
Molybdenum	95-1	7036473	7110506	7088101	7078360	0.54	cps
Molybdenum	96-1	7639572	7842310	7865451	7782444	1.60	cps
Molybdenum	97-1	4381495	4539100	4518946	4479847	1.91	cps
Molybdenum	98-1	11351900	11638000	11594778	11528226	1.34	cps
Neodymium	150-1	53	40	43	46	15.23	cps
Neodymium	150-2	17	10	20	16	32.73	cps
Nickel	60-2	242600	240958	242121	241893	0.35	cps
Phosphorus	31-2	38843	38736	38549	38709	0.38	cps
Potassium	39-2	3765002	3758591	3731030	3751541	0.48	cps
Rhodium	103-1	4155147	4240820	4258066	4218011	1.31	cps
Rhodium	103-2	2832342	2816060	2789444	2812616	0.77	cps
Scandium	45-1	2439557	2460032	2451735	2450441	0.42	cps
Scandium	45-2	285094	285310	279871	283425	1.09	cps
Selenium	82-1	18676	19235	19356	19089	1.90	cps
Selenium	77-2	2260	2304	2224	2262	1.77	cps
Selenium	78-2	7602	7825	7475	7634	2.32	cps
Silicon	28-1	1710442	1778649	1728107	1739066	2.04	cps
Silver	107-1	1566307	1619702	1632925	1606311	2.20	cps
Silver	109-1	1452142	1470531	1467468	1463381	0.67	cps
Sodium	23-2	9427500	9481993	9372787	9427426	0.58	cps
Strontium	86-1	10186518	10462064	10343750	10330777	1.34	cps
Strontium	88-1	89170339	90634925	90386135	90063800	0.87	cps
Sulfur	34-1	211486	209236	210678	210466	0.54	cps
Terbium	159-1	5729989	5694257	5809003	5744416	1.02	cps
Terbium	159-2	3934101	3862635	3885956	3894231	0.94	cps
Thallium	203-1	1015065	1043874	1048429	1035789	1.75	cps
Thallium	205-1	2687090	2769958	2789051	2748699	1.97	cps
Tin	118-1	1014645	1034173	1040471	1029763	1.31	cps
Titanium	47-1	1714907	1743316	1710604	1722942	1.03	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:34:33	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3661537	3742663	3749324	3717842	1.31	cps
Vanadium	51-2	584121	579824	579684	581210	0.43	cps
Yttrium	89-1	7535437	7557591	7505832	7532953	0.34	cps
Yttrium	89-2	2223625	2247263	2229413	2233434	0.55	cps
Zinc	66-2	1135855	1132793	1126871	1131839	0.40	cps
Zirconium	90-1	2222826	2212800	2213507	2216378	0.25	cps
Zirconium	91-1	473381	480769	483415	479189	1.09	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:37:28	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1310692	1274223	1286305	1290407	1.44	cps
Antimony	121-1	2659955	2700923	2761655	2707511	1.89	cps
Arsenic	75-2	171144	169997	170106	170416	0.37	cps
Barium	135-1	3326173	3396593	3412199	3378322	1.36	cps
Barium	137-1	5794423	5904770	5887524	5862239	1.01	cps
Beryllium	9-1	300138	313343	311816	308432	2.34	cps
Bismuth	209-1	3425510	3504949	3557062	3495840	1.90	cps
Bismuth	209-2	2615570	2684124	2636459	2645384	1.33	cps
Bromine	81-1	4914	5011	4891	4939	1.29	cps
Bromine	81-2	63	50	50	54	14.14	cps
Cadmium	108-1	43819	44020	44481	44107	0.77	cps
Cadmium	106-1	61687	64335	64285	63435	2.39	cps
Cadmium	111-1	603571	624563	622807	616980	1.89	cps
Calcium	43-1	713976	741346	739980	731767	2.11	cps
Calcium	44-1	10353112	10917679	10913978	10728256	3.03	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1270855	1259218	1246688	1258920	0.96	cps
Cobalt	59-2	1948648	1881517	1911955	1914040	1.76	cps
Copper	63-2	13717654	13651616	13787245	13718838	0.49	cps
Dysprosium	156-1	270	270	277	272	1.41	cps
Dysprosium	156-2	210	187	243	213	13.35	cps
Erbium	164-1	53	43	50	49	10.42	cps
Erbium	164-2	43	73	27	48	49.49	cps
Gadolinium	160-1	43	63	40	49	25.81	cps
Gadolinium	160-2	177	177	147	167	10.39	cps
Holmium	165-1	5610775	5771743	5644764	5675760	1.49	cps
Holmium	165-2	3958584	3872458	3881799	3904280	1.21	cps
Indium	115-1	4389403	4423760	4452981	4422048	0.72	cps
Indium	115-2	1672971	1645810	1664177	1660986	0.83	cps
Iron	56-2	54686029	54323361	53992743	54334044	0.64	cps
Iron	57-2	1355648	1356163	1340859	1350890	0.64	cps
Iron	54-2	3035511	3023645	3024131	3027762	0.22	cps
Krypton	83-1	207	177	143	176	18.04	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:37:28	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9517383	9571590	10017090	9702021	2.83	cps
Lead	207-1	8502742	8603401	8883444	8663196	2.28	cps
Lead	208-1	38368935	39050267	39957419	39125540	2.04	cps
Lithium	6-1	609267	626600	626151	620673	1.59	cps
Magnesium	24-2	10816679	10759005	10862302	10812662	0.48	cps
Manganese	55-2	9117655	8954125	8918280	8996687	1.18	cps
Molybdenum	94-1	9611620	9898890	9799411	9769974	1.49	cps
Molybdenum	95-1	13944235	14335251	14393271	14224252	1.72	cps
Molybdenum	96-1	15240823	15730196	15679122	15550047	1.73	cps
Molybdenum	97-1	8735369	8888575	9038728	8887557	1.71	cps
Molybdenum	98-1	22647761	23292960	23158924	23033215	1.48	cps
Neodymium	150-1	97	123	107	109	12.37	cps
Neodymium	150-2	30	43	23	32	31.61	cps
Nickel	60-2	473432	467050	470004	470162	0.68	cps
Phosphorus	31-2	74999	75874	74510	75128	0.92	cps
Potassium	39-2	7279661	7324714	7216103	7273493	0.75	cps
Rhodium	103-1	4171938	4213414	4178131	4187828	0.53	cps
Rhodium	103-2	2743459	2745319	2747424	2745401	0.07	cps
Scandium	45-1	2397235	2451329	2441687	2430084	1.19	cps
Scandium	45-2	276367	278306	276636	277103	0.38	cps
Selenium	82-1	37219	37758	37877	37618	0.93	cps
Selenium	77-2	4407	4527	4511	4482	1.45	cps
Selenium	78-2	14878	15271	14444	14864	2.78	cps
Silicon	28-1	3129474	3153911	3188694	3157360	0.94	cps
Silver	107-1	3153881	3206908	3228281	3196357	1.20	cps
Silver	109-1	3017100	3053524	3046428	3039017	0.64	cps
Sodium	23-2	18650518	18612656	18697209	18653461	0.23	cps
Strontium	86-1	20170863	20935871	20692936	20599890	1.90	cps
Strontium	88-1	176282771	181511991	180658817	179484526	1.56	cps
Sulfur	34-1	281910	284660	283234	283268	0.49	cps
Terbium	159-1	5816476	5876243	5856959	5849893	0.52	cps
Terbium	159-2	3883346	3937049	3865752	3895382	0.95	cps
Thallium	203-1	2368516	2426786	2504840	2433381	2.81	cps
Thallium	205-1	5550686	5733120	5822074	5701960	2.43	cps
Tin	118-1	2161610	2212235	2205256	2193034	1.25	cps
Titanium	47-1	3267750	3423825	3392343	3361306	2.46	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:37:28	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7510182	7819739	7934849	7754923	2.83	cps
Vanadium	51-2	1135796	1139690	1131429	1135638	0.36	cps
Yttrium	89-1	7564177	7661451	7551901	7592510	0.79	cps
Yttrium	89-2	2226543	2227897	2176138	2210193	1.33	cps
Zinc	66-2	2304785	2227264	2260327	2264126	1.72	cps
Zirconium	90-1	4316687	4415748	4392686	4375040	1.18	cps
Zirconium	91-1	938413	973949	980128	964164	2.34	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:40:14	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2557746	2579195	2540165	2559036	0.76	cps
Antimony	121-1	5408840	5551490	5498645	5486325	1.31	cps
Arsenic	75-2	342086	341182	342587	341952	0.21	cps
Barium	135-1	6792339	6850894	6815886	6819707	0.43	cps
Barium	137-1	11766665	11845359	11896875	11836300	0.55	cps
Beryllium	9-1	622826	636302	643235	634121	1.64	cps
Bismuth	209-1	3576105	3565428	3597937	3579823	0.46	cps
Bismuth	209-2	2652097	2629773	2655986	2645952	0.53	cps
Bromine	81-1	4817	4727	4627	4724	2.01	cps
Bromine	81-2	47	40	30	39	21.57	cps
Cadmium	108-1	88501	89400	89299	89067	0.55	cps
Cadmium	106-1	123181	127554	127184	125973	1.93	cps
Cadmium	111-1	1217065	1245798	1248670	1237178	1.41	cps
Calcium	43-1	1383441	1404859	1438221	1408840	1.96	cps
Calcium	44-1	21373831	21603034	21484784	21487216	0.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2508459	2508716	2502662	2506612	0.14	cps
Cobalt	59-2	3801550	3764326	3741782	3769219	0.80	cps
Copper	63-2	27408875	26938479	27163023	27170125	0.87	cps
Dysprosium	156-1	313	387	363	354	10.57	cps
Dysprosium	156-2	400	353	447	400	11.67	cps
Erbium	164-1	90	93	93	92	2.08	cps
Erbium	164-2	63	73	37	58	32.80	cps
Gadolinium	160-1	90	87	70	82	13.03	cps
Gadolinium	160-2	243	183	173	200	18.93	cps
Holmium	165-1	5777061	5820944	5814672	5804226	0.41	cps
Holmium	165-2	3953971	3981784	3924690	3953482	0.72	cps
Indium	115-1	4391374	4415780	4428149	4411768	0.42	cps
Indium	115-2	1650623	1629653	1632865	1637714	0.69	cps
Iron	56-2	108003155	109258668	107710375	108324066	0.76	cps
Iron	57-2	2737334	2719378	2720068	2725593	0.37	cps
Iron	54-2	6096016	6085382	6011508	6064302	0.76	cps
Krypton	83-1	183	177	190	183	3.64	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:40:14	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19956766	20032049	19888813	19959209	0.36	cps
Lead	207-1	17527981	17861354	17722959	17704098	0.95	cps
Lead	208-1	79669954	80334503	81003447	80335968	0.83	cps
Lithium	6-1	621942	632747	630135	628275	0.90	cps
Magnesium	24-2	21714599	21967011	21490866	21724158	1.10	cps
Manganese	55-2	18004347	18080277	18074891	18053172	0.23	cps
Molybdenum	94-1	19547549	19972103	19760953	19760202	1.07	cps
Molybdenum	95-1	28291548	29008625	28658620	28652931	1.25	cps
Molybdenum	96-1	30709771	31890913	31335610	31312098	1.89	cps
Molybdenum	97-1	17453128	18350503	17815127	17872919	2.53	cps
Molybdenum	98-1	45991339	47189753	46237831	46472974	1.36	cps
Neodymium	150-1	233	213	190	212	10.22	cps
Neodymium	150-2	100	53	33	62	54.99	cps
Nickel	60-2	926146	923043	918399	922530	0.42	cps
Phosphorus	31-2	152407	153104	150236	151915	0.98	cps
Potassium	39-2	14555111	14570187	14446311	14523870	0.47	cps
Rhodium	103-1	4148568	4174271	4130409	4151083	0.53	cps
Rhodium	103-2	2756004	2740108	2736862	2744325	0.37	cps
Scandium	45-1	2403975	2421269	2420078	2415107	0.40	cps
Scandium	45-2	280738	279064	275623	278475	0.94	cps
Selenium	82-1	73151	76026	74863	74680	1.94	cps
Selenium	77-2	8829	8546	8646	8674	1.66	cps
Selenium	78-2	29326	28568	29747	29213	2.05	cps
Silicon	28-1	5722548	5837350	5871293	5810397	1.34	cps
Silver	107-1	6284399	6390711	6332488	6335866	0.84	cps
Silver	109-1	5956436	6114367	6013114	6027972	1.33	cps
Sodium	23-2	37735845	37604882	37494969	37611899	0.32	cps
Strontium	86-1	40135244	41810664	41285188	41077032	2.09	cps
Strontium	88-1	349163688	362333261	361320061	357605670	2.05	cps
Sulfur	34-1	431663	435508	431629	432933	0.52	cps
Terbium	159-1	5954637	5990558	5980211	5975135	0.31	cps
Terbium	159-2	3997792	3934795	3949930	3960839	0.83	cps
Thallium	203-1	5019717	5046246	4983589	5016517	0.63	cps
Thallium	205-1	11749154	11751249	11802966	11767790	0.26	cps
Tin	118-1	4321923	4463529	4424818	4403423	1.66	cps
Titanium	47-1	6674686	6773182	6798344	6748738	0.97	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:40:14	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15831930	15935055	16017208	15928064	0.58	cps
Vanadium	51-2	2275837	2251998	2267822	2265219	0.54	cps
Yttrium	89-1	7553597	7640274	7515499	7569790	0.84	cps
Yttrium	89-2	2219843	2213583	2205253	2212893	0.33	cps
Zinc	66-2	4480644	4494717	4498880	4491414	0.21	cps
Zirconium	90-1	8699280	8930092	8877861	8835745	1.37	cps
Zirconium	91-1	1913162	2007670	1981287	1967373	2.48	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:43:00	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13443145	13379195	13266792	13363044	0.67	cps
Antimony	121-1	4607	4387	4184	4393	4.82	cps
Arsenic	75-2	247	217	193	219	12.21	cps
Barium	135-1	2964	2914	2660	2846	5.72	cps
Barium	137-1	4844	4928	4814	4862	1.21	cps
Beryllium	9-1	103	107	90	100	8.82	cps
Bismuth	209-1	3501889	3278847	3260678	3347138	4.01	cps
Bismuth	209-2	2492817	2484225	2487387	2488143	0.17	cps
Bromine	81-1	5384	5018	5154	5185	3.57	cps
Bromine	81-2	63	60	53	59	8.65	cps
Cadmium	108-1	53	63	30	49	34.99	cps
Cadmium	106-1	1113	1227	1140	1160	5.11	cps
Cadmium	111-1	1065	1071	974	1037	5.27	cps
Calcium	43-1	6459107	6395173	6262701	6372327	1.57	cps
Calcium	44-1	105820708	103946295	102377182	104048062	1.66	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12089	8462	9775	10109	18.17	cps
Cobalt	59-2	10063	10707	10237	10336	3.22	cps
Copper	63-2	7412	7422	7459	7431	0.33	cps
Dysprosium	156-1	390	413	453	419	7.65	cps
Dysprosium	156-2	233	197	233	221	9.57	cps
Erbium	164-1	247	203	293	248	18.17	cps
Erbium	164-2	107	207	173	162	31.39	cps
Gadolinium	160-1	177	180	170	176	2.90	cps
Gadolinium	160-2	270	253	243	256	5.27	cps
Holmium	165-1	5733655	5724886	5622822	5693788	1.08	cps
Holmium	165-2	3925891	3905837	3936166	3922632	0.39	cps
Indium	115-1	4363595	4343202	4303223	4336673	0.71	cps
Indium	115-2	1644548	1643292	1637515	1641785	0.23	cps
Iron	56-2	540850845	540998845	539864499	540571396	0.11	cps
Iron	57-2	13711663	13516599	13635928	13621396	0.72	cps
Iron	54-2	30097305	30177415	29873200	30049307	0.52	cps
Krypton	83-1	177	167	213	186	13.24	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:43:00	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4037	4054	3801	3964	3.58	cps
Lead	207-1	3397	3611	3400	3469	3.52	cps
Lead	208-1	15764	15700	15374	15613	1.34	cps
Lithium	6-1	640903	618328	610399	623210	2.54	cps
Magnesium	24-2	113105315	112309358	112884722	112766465	0.36	cps
Manganese	55-2	9670	9566	9643	9626	0.56	cps
Molybdenum	94-1	4854	4424	4221	4500	7.19	cps
Molybdenum	95-1	4384	4121	4024	4176	4.46	cps
Molybdenum	96-1	8983	8953	8889	8942	0.53	cps
Molybdenum	97-1	2627	2547	2507	2560	2.39	cps
Molybdenum	98-1	6778	6081	6135	6331	6.13	cps
Neodymium	150-1	127	100	90	106	17.96	cps
Neodymium	150-2	63	47	87	66	30.65	cps
Nickel	60-2	4554	4677	4451	4561	2.49	cps
Phosphorus	31-2	177	187	160	174	7.72	cps
Potassium	39-2	75138162	75035679	74303057	74825633	0.61	cps
Rhodium	103-1	3856128	3846443	3978469	3893680	1.89	cps
Rhodium	103-2	2585940	2614117	2638557	2612872	1.01	cps
Scandium	45-1	2488872	2418788	2382352	2430004	2.23	cps
Scandium	45-2	285270	285865	284163	285100	0.30	cps
Selenium	82-1	294	335	281	303	9.31	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	357	337	380	358	6.06	cps
Silicon	28-1	233685	230224	224336	229415	2.06	cps
Silver	107-1	900	677	687	754	16.72	cps
Silver	109-1	757	757	617	710	11.38	cps
Sodium	23-2	190290551	192010230	190190251	190830344	0.54	cps
Strontium	86-1	7178	6728	6762	6889	3.64	cps
Strontium	88-1	60711	56424	54356	57164	5.67	cps
Sulfur	34-1	120487	124065	129900	124817	3.81	cps
Terbium	159-1	5916201	6015231	6139647	6023693	1.86	cps
Terbium	159-2	3911944	3953422	3883835	3916400	0.89	cps
Thallium	203-1	687	710	707	701	1.80	cps
Thallium	205-1	1763	1573	1420	1586	10.85	cps
Tin	118-1	3370	3387	3310	3356	1.20	cps
Titanium	47-1	1033	993	1007	1011	2.01	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:43:00	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	963	837	727	842	14.06	cps
Vanadium	51-2	517	493	577	529	8.13	cps
Yttrium	89-1	7654278	7319435	7336291	7436668	2.54	cps
Yttrium	89-2	2182479	2248519	2239357	2223451	1.61	cps
Zinc	66-2	4517	4501	4571	4530	0.81	cps
Zirconium	90-1	5061	5074	4868	5001	2.31	cps
Zirconium	91-1	1060	1113	1020	1064	4.40	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICV007	Instrumnet Name :	P7
Client Sample ID :	ICV007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:59:56	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	65228	64729	66108	65355	1.07	cps
Antimony	121-1	978011	999299	1004911	994074	1.43	cps
Arsenic	75-2	70490	69569	70148	70069	0.66	cps
Barium	135-1	115174	118492	119080	117582	1.79	cps
Barium	137-1	200837	204229	206219	203762	1.34	cps
Beryllium	9-1	59145	60156	60404	59902	1.11	cps
Bismuth	209-1	3285049	3224028	3207046	3238708	1.27	cps
Bismuth	209-2	2531186	2584525	2203542	2439751	8.46	cps
Bromine	81-1	4787	4998	4948	4911	2.23	cps
Bromine	81-2	63	50	67	60	14.70	cps
Cadmium	108-1	7802	8079	7932	7938	1.74	cps
Cadmium	106-1	11875	12095	12022	11997	0.93	cps
Cadmium	111-1	119217	123042	124851	122370	2.35	cps
Calcium	43-1	24657	26176	26022	25618	3.26	cps
Calcium	44-1	420200	434609	433190	429333	1.85	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	263901	261847	264397	263382	0.51	cps
Cobalt	59-2	391255	386702	393862	390607	0.93	cps
Copper	63-2	266505	262631	267032	265390	0.91	cps
Dysprosium	156-1	130	223	197	183	26.22	cps
Dysprosium	156-2	53	67	47	56	18.33	cps
Erbium	164-1	47	37	50	44	15.61	cps
Erbium	164-2	17	37	17	23	49.48	cps
Gadolinium	160-1	10	17	33	20	60.08	cps
Gadolinium	160-2	123	157	157	146	13.22	cps
Holmium	165-1	5270233	5342463	5298332	5303676	0.69	cps
Holmium	165-2	3753371	3781908	3204223	3579834	9.10	cps
Indium	115-1	4371832	4440323	4326269	4379475	1.31	cps
Indium	115-2	1688297	1713157	1377347	1592934	11.75	cps
Iron	56-2	4401318	4339476	4387349	4376048	0.74	cps
Iron	57-2	114210	114478	115672	114787	0.68	cps
Iron	54-2	261010	258073	261080	260054	0.66	cps
Krypton	83-1	233	167	170	190	19.77	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICV007	Instrumnet Name :	P7
Client Sample ID :	ICV007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:59:56	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	685838	699959	702917	696238	1.31	cps
Lead	207-1	580729	591467	594513	588903	1.23	cps
Lead	208-1	2680637	2727955	2755106	2721232	1.38	cps
Lithium	6-1	560382	555366	554832	556860	0.55	cps
Magnesium	24-2	270944	269378	273581	271301	0.78	cps
Manganese	55-2	188582	185741	187877	187400	0.79	cps
Molybdenum	94-1	407	483	450	447	8.61	cps
Molybdenum	95-1	223	220	197	213	6.81	cps
Molybdenum	96-1	390	423	347	387	9.94	cps
Molybdenum	97-1	100	167	143	137	24.75	cps
Molybdenum	98-1	417	333	407	386	11.80	cps
Neodymium	150-1	13	13	13	13	0.00	cps
Neodymium	150-2	7	0	3	3	100.05	cps
Nickel	60-2	100353	98038	100574	99655	1.41	cps
Phosphorus	31-2	127	130	143	133	6.62	cps
Potassium	39-2	692409	686241	691266	689972	0.48	cps
Rhodium	103-1	4149989	4189886	4099126	4146334	1.10	cps
Rhodium	103-2	2852519	2824061	2436772	2704451	8.59	cps
Scandium	45-1	2395623	2480240	2412720	2429528	1.84	cps
Scandium	45-2	286783	282571	244470	271274	8.59	cps
Selenium	82-1	15290	15853	15647	15597	1.83	cps
Selenium	77-2	1807	1887	1730	1808	4.33	cps
Selenium	78-2	6405	6632	6548	6528	1.76	cps
Silicon	28-1	185857	190727	190540	189041	1.46	cps
Silver	107-1	282457	291880	295755	290031	2.36	cps
Silver	109-1	267121	277735	279627	274828	2.45	cps
Sodium	23-2	806098	796038	802483	801540	0.64	cps
Strontium	86-1	867	857	813	846	3.35	cps
Strontium	88-1	4981	5134	4978	5031	1.78	cps
Sulfur	34-1	138544	139533	137955	138677	0.57	cps
Terbium	159-1	5493080	5579623	5536586	5536430	0.78	cps
Terbium	159-2	3800033	3703068	3283684	3595595	7.63	cps
Thallium	203-1	842101	861655	857087	853614	1.20	cps
Thallium	205-1	2298442	2340259	2330792	2323164	0.94	cps
Tin	118-1	1440	1413	1413	1422	1.08	cps
Titanium	47-1	163	103	147	138	22.48	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICV007	Instrumnet Name :	P7
Client Sample ID :	ICV007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 12:59:56	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	93	70	73	79	16.00	cps
Vanadium	51-2	229522	226150	229371	228348	0.83	cps
Yttrium	89-1	7401222	7365537	7404923	7390561	0.29	cps
Yttrium	89-2	2242943	2234955	1914311	2130737	8.80	cps
Zinc	66-2	90230	89375	90620	90075	0.71	cps
Zirconium	90-1	793	733	720	749	5.22	cps
Zirconium	91-1	237	237	180	218	15.02	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICB007	Instrumnet Name :	P7
Client Sample ID :	ICB007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:04:17	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	260	273	193	242	17.69	cps
Antimony	121-1	377	400	537	438	19.74	cps
Arsenic	75-2	13	20	13	16	24.76	cps
Barium	135-1	77	97	63	79	21.27	cps
Barium	137-1	153	157	123	144	12.71	cps
Beryllium	9-1	27	30	17	24	28.38	cps
Bismuth	209-1	3449235	3512337	3451670	3471081	1.03	cps
Bismuth	209-2	2730285	2628387	2658483	2672385	1.96	cps
Bromine	81-1	5548	5398	5661	5536	2.39	cps
Bromine	81-2	120	100	97	106	11.95	cps
Cadmium	108-1	7	3	7	6	34.70	cps
Cadmium	106-1	1063	1197	950	1070	11.54	cps
Cadmium	111-1	773	865	697	778	10.83	cps
Calcium	43-1	177	150	207	178	15.95	cps
Calcium	44-1	11725	11928	11651	11768	1.22	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	537	513	507	519	3.04	cps
Cobalt	59-2	90	100	93	94	5.39	cps
Copper	63-2	1123	1283	1090	1166	8.87	cps
Dysprosium	156-1	173	173	150	166	8.14	cps
Dysprosium	156-2	57	63	43	54	18.71	cps
Erbium	164-1	43	23	47	38	33.41	cps
Erbium	164-2	7	40	27	24	68.62	cps
Gadolinium	160-1	17	27	13	19	36.75	cps
Gadolinium	160-2	170	107	167	148	24.12	cps
Holmium	165-1	5572954	5723361	5462808	5586374	2.34	cps
Holmium	165-2	3872248	3819081	3789915	3827081	1.09	cps
Indium	115-1	4625827	4697599	4574810	4632745	1.33	cps
Indium	115-2	1726768	1728554	1750226	1735183	0.75	cps
Iron	56-2	11334	11178	10978	11163	1.60	cps
Iron	57-2	2740	2677	2874	2764	3.63	cps
Iron	54-2	1373	1470	1220	1355	9.31	cps
Krypton	83-1	133	170	207	170	21.57	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICB007	Instrumnet Name :	P7
Client Sample ID :	ICB007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:04:17	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	487	420	453	453	7.35	cps
Lead	207-1	387	393	377	386	2.17	cps
Lead	208-1	1737	1677	1777	1730	2.91	cps
Lithium	6-1	597851	582982	587032	589288	1.30	cps
Magnesium	24-2	757	690	790	746	6.83	cps
Manganese	55-2	323	350	323	332	4.63	cps
Molybdenum	94-1	190	193	233	206	11.73	cps
Molybdenum	95-1	163	147	153	154	5.43	cps
Molybdenum	96-1	203	190	210	201	5.06	cps
Molybdenum	97-1	127	77	143	116	30.02	cps
Molybdenum	98-1	243	237	233	238	2.14	cps
Neodymium	150-1	0	3	7	3	100.05	cps
Neodymium	150-2	7	0	3	3	100.05	cps
Nickel	60-2	77	117	97	97	20.69	cps
Phosphorus	31-2	130	123	127	127	2.63	cps
Potassium	39-2	79406	79921	80166	79831	0.49	cps
Rhodium	103-1	4492818	4365284	4349686	4402596	1.78	cps
Rhodium	103-2	2938419	2909242	2904505	2917388	0.63	cps
Scandium	45-1	2580692	2560638	2506866	2549399	1.50	cps
Scandium	45-2	296685	293205	291170	293687	0.95	cps
Selenium	82-1	302	207	198	236	24.56	cps
Selenium	77-2	3	3	3	3	0.00	cps
Selenium	78-2	277	333	347	319	11.66	cps
Silicon	28-1	178255	177898	180252	178802	0.71	cps
Silver	107-1	203	180	147	177	16.12	cps
Silver	109-1	123	127	160	137	14.84	cps
Sodium	23-2	38184	37719	37068	37657	1.49	cps
Strontium	86-1	480	477	437	464	5.19	cps
Strontium	88-1	1367	1323	1377	1356	2.09	cps
Sulfur	34-1	138454	138497	137653	138201	0.34	cps
Terbium	159-1	5821565	5869990	5729463	5807006	1.23	cps
Terbium	159-2	3891477	3879159	3891909	3887515	0.19	cps
Thallium	203-1	297	313	250	287	11.45	cps
Thallium	205-1	650	683	560	631	10.11	cps
Tin	118-1	1290	1367	1303	1320	3.10	cps
Titanium	47-1	87	113	117	106	15.58	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICB007	Instrumnet Name :	P7
Client Sample ID :	ICB007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:04:17	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	70	63	67	67	5.00	cps
Vanadium	51-2	17	20	13	17	20.01	cps
Yttrium	89-1	7866938	7756231	7705743	7776304	1.06	cps
Yttrium	89-2	2323606	2287008	2289616	2300076	0.89	cps
Zinc	66-2	413	447	417	426	4.31	cps
Zirconium	90-1	300	227	257	261	14.12	cps
Zirconium	91-1	63	70	60	64	7.90	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICSA007	Instrumnet Name :	P7
Client Sample ID :	ICSA007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:07:36	DataFile Name :	015ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12260081	12271451	12238714	12256749	0.14	cps
Antimony	121-1	5781	5705	6015	5833	2.77	cps
Arsenic	75-2	157	180	127	154	17.31	cps
Barium	135-1	1823	1803	2074	1900	7.92	cps
Barium	137-1	3204	3410	3247	3287	3.32	cps
Beryllium	9-1	177	197	240	204	15.83	cps
Bismuth	209-1	3277370	3319660	3293957	3296995	0.65	cps
Bismuth	209-2	2552550	2573278	2560645	2562158	0.41	cps
Bromine	81-1	5198	5214	5224	5212	0.26	cps
Bromine	81-2	107	97	93	99	7.02	cps
Cadmium	108-1	473	453	370	432	12.68	cps
Cadmium	106-1	1077	973	1017	1022	5.08	cps
Cadmium	111-1	972	951	956	960	1.18	cps
Calcium	43-1	1242424	1248147	1236713	1242428	0.46	cps
Calcium	44-1	19939213	20223123	20223205	20128514	0.81	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	51906	53070	51702	52226	1.41	cps
Cobalt	59-2	4814	4797	4731	4781	0.92	cps
Copper	63-2	21773	21452	21282	21502	1.16	cps
Dysprosium	156-1	150	157	127	144	10.91	cps
Dysprosium	156-2	57	77	57	63	18.23	cps
Erbium	164-1	70	43	73	62	26.43	cps
Erbium	164-2	50	27	43	40	30.04	cps
Gadolinium	160-1	37	37	43	39	9.89	cps
Gadolinium	160-2	160	153	147	153	4.35	cps
Holmium	165-1	5557798	5659233	5806780	5674604	2.21	cps
Holmium	165-2	3921583	3849697	3952294	3907858	1.35	cps
Indium	115-1	4337233	4448507	4492766	4426168	1.81	cps
Indium	115-2	1667320	1650251	1650609	1656060	0.59	cps
Iron	56-2	219815997	218900590	218089957	218935515	0.39	cps
Iron	57-2	5501103	5471355	5515655	5496038	0.41	cps
Iron	54-2	12246434	12069644	12089528	12135202	0.80	cps
Krypton	83-1	160	147	200	169	16.43	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICSA007	Instrumnet Name :	P7
Client Sample ID :	ICSA007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:07:36	DataFile Name :	015ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	15269	15552	16330	15717	3.50	cps
Lead	207-1	12212	12783	12996	12664	3.20	cps
Lead	208-1	57594	59006	61140	59247	3.01	cps
Lithium	6-1	567215	574874	578625	573572	1.01	cps
Magnesium	24-2	21939201	21784282	22043527	21922337	0.60	cps
Manganese	55-2	16509	16316	16522	16449	0.70	cps
Molybdenum	94-1	2860993	2884728	2874787	2873503	0.41	cps
Molybdenum	95-1	4843179	4981576	5081342	4968699	2.41	cps
Molybdenum	96-1	5254597	5409297	5528776	5397557	2.55	cps
Molybdenum	97-1	3088312	3209744	3295365	3197807	3.25	cps
Molybdenum	98-1	7912034	8200253	8300994	8137761	2.48	cps
Neodymium	150-1	27	13	23	21	32.88	cps
Neodymium	150-2	17	17	13	16	12.40	cps
Nickel	60-2	5371	5544	5208	5374	3.13	cps
Phosphorus	31-2	782294	785835	784105	784078	0.23	cps
Potassium	39-2	29360345	28774781	28945667	29026931	1.04	cps
Rhodium	103-1	4015226	4066527	4080669	4054141	0.85	cps
Rhodium	103-2	2703649	2717071	2757337	2726019	1.02	cps
Scandium	45-1	2456220	2458658	2429369	2448082	0.66	cps
Scandium	45-2	283217	282039	281956	282404	0.25	cps
Selenium	82-1	230	256	220	235	7.89	cps
Selenium	77-2	3	7	0	3	100.05	cps
Selenium	78-2	347	380	323	350	8.14	cps
Silicon	28-1	220139	222798	222800	221912	0.69	cps
Silver	107-1	470	393	380	414	11.72	cps
Silver	109-1	467	363	300	377	22.34	cps
Sodium	23-2	37805408	37559121	37511598	37625376	0.42	cps
Strontium	86-1	55332	55548	54885	55255	0.61	cps
Strontium	88-1	478263	484886	490891	484680	1.30	cps
Sulfur	34-1	1648188	1703575	1672200	1674654	1.66	cps
Terbium	159-1	5740204	5798901	5782640	5773915	0.52	cps
Terbium	159-2	3881150	3895570	3859481	3878734	0.47	cps
Thallium	203-1	620	660	757	679	10.35	cps
Thallium	205-1	1287	1500	1470	1419	8.14	cps
Tin	118-1	1913	2140	1873	1976	7.28	cps
Titanium	47-1	1219682	1236803	1236643	1231043	0.80	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICSA007	Instrumnet Name :	P7
Client Sample ID :	ICSA007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:07:36	DataFile Name :	015ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	240	310	303	284	13.58	cps
Vanadium	51-2	397	460	417	424	7.63	cps
Yttrium	89-1	7430028	7418176	7562090	7470098	1.07	cps
Yttrium	89-2	2244345	2207959	2259865	2237390	1.19	cps
Zinc	66-2	6131	6158	6088	6126	0.58	cps
Zirconium	90-1	577	443	440	487	16.02	cps
Zirconium	91-1	137	143	140	140	2.38	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICSAB007	Instrumnet Name :	P7
Client Sample ID :	ICSAB007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:10:40	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11564378	11565304	11495212	11541631	0.35	cps
Antimony	121-1	109828	111071	111354	110751	0.73	cps
Arsenic	75-2	6805	7068	7108	6994	2.36	cps
Barium	135-1	26802	27026	27507	27111	1.33	cps
Barium	137-1	45934	46583	45901	46139	0.83	cps
Beryllium	9-1	12355	12609	12158	12374	1.82	cps
Bismuth	209-1	3569737	3496312	3298868	3454972	4.05	cps
Bismuth	209-2	2754847	2655684	2655382	2688638	2.13	cps
Bromine	81-1	5274	5351	5444	5357	1.59	cps
Bromine	81-2	130	153	120	134	12.73	cps
Cadmium	108-1	2034	2057	1930	2007	3.36	cps
Cadmium	106-1	3360	3277	3237	3292	1.91	cps
Cadmium	111-1	25009	25241	26154	25468	2.38	cps
Calcium	43-1	1237430	1175189	1193242	1201953	2.66	cps
Calcium	44-1	19339363	19391450	19459381	19396731	0.31	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	102143	100864	100072	101026	1.03	cps
Cobalt	59-2	80424	78919	78601	79315	1.23	cps
Copper	63-2	71607	71158	71175	71313	0.36	cps
Dysprosium	156-1	167	150	167	161	5.97	cps
Dysprosium	156-2	77	77	57	70	16.49	cps
Erbium	164-1	80	90	50	73	28.39	cps
Erbium	164-2	33	40	37	37	9.10	cps
Gadolinium	160-1	27	37	47	37	27.27	cps
Gadolinium	160-2	193	160	160	171	11.25	cps
Holmium	165-1	5991730	5983952	5561153	5845612	4.21	cps
Holmium	165-2	4057693	3966343	4026086	4016707	1.15	cps
Indium	115-1	4696488	4613746	4301298	4537177	4.59	cps
Indium	115-2	1731989	1723967	1733432	1729796	0.29	cps
Iron	56-2	208600237	207176770	205452524	207076510	0.76	cps
Iron	57-2	5252953	5144833	5132045	5176610	1.28	cps
Iron	54-2	11625957	11510156	11424172	11520095	0.88	cps
Krypton	83-1	173	193	190	186	5.77	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICSAB007	Instrumnet Name :	P7
Client Sample ID :	ICSAB007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:10:40	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	88754	91382	90767	90301	1.52	cps
Lead	207-1	76349	76494	77010	76618	0.45	cps
Lead	208-1	348349	351101	353181	350877	0.69	cps
Lithium	6-1	603277	592448	560673	585466	3.78	cps
Magnesium	24-2	20822374	20705882	20577847	20702034	0.59	cps
Manganese	55-2	51230	50615	50223	50690	1.00	cps
Molybdenum	94-1	2718289	2803108	2763261	2761553	1.54	cps
Molybdenum	95-1	4752477	4865552	4842081	4820037	1.24	cps
Molybdenum	96-1	5083141	5180103	5189770	5151005	1.14	cps
Molybdenum	97-1	2982700	3077151	2982684	3014179	1.81	cps
Molybdenum	98-1	7768566	7845592	7761055	7791737	0.60	cps
Neodymium	150-1	37	20	10	22	60.63	cps
Neodymium	150-2	23	13	13	17	34.65	cps
Nickel	60-2	24009	23912	24056	23993	0.31	cps
Phosphorus	31-2	751917	743033	740820	745257	0.79	cps
Potassium	39-2	27718436	27465705	27585885	27590008	0.46	cps
Rhodium	103-1	4389619	4270155	3960100	4206624	5.27	cps
Rhodium	103-2	2884100	2833359	2862818	2860092	0.89	cps
Scandium	45-1	2558129	2539603	2382870	2493534	3.86	cps
Scandium	45-2	293460	291532	293765	292919	0.41	cps
Selenium	82-1	1671	1708	1830	1736	4.78	cps
Selenium	77-2	170	183	203	186	9.04	cps
Selenium	78-2	943	830	1003	926	9.51	cps
Silicon	28-1	221712	222770	224191	222891	0.56	cps
Silver	107-1	114951	115683	117447	116027	1.11	cps
Silver	109-1	108237	110191	110749	109726	1.20	cps
Sodium	23-2	35824259	35638619	35506374	35656417	0.45	cps
Strontium	86-1	52704	52614	54728	53349	2.24	cps
Strontium	88-1	458823	462526	464352	461900	0.61	cps
Sulfur	34-1	1613428	1609438	1621272	1614712	0.37	cps
Terbium	159-1	6189838	6112739	5707607	6003395	4.31	cps
Terbium	159-2	4039045	3985944	3967129	3997373	0.93	cps
Thallium	203-1	96599	97005	97919	97175	0.70	cps
Thallium	205-1	230515	230267	231198	230660	0.21	cps
Tin	118-1	1833	2024	1967	1941	5.03	cps
Titanium	47-1	1179697	1186494	1201389	1189193	0.93	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	ICSAB007	Instrumnet Name :	P7
Client Sample ID :	ICSAB007	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:10:40	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	287	330	253	290	13.26	cps
Vanadium	51-2	46087	45117	45816	45673	1.10	cps
Yttrium	89-1	8020388	7882229	7295764	7732794	4.98	cps
Yttrium	89-2	2366235	2270706	2303766	2313569	2.10	cps
Zinc	66-2	15305	15081	15521	15302	1.44	cps
Zirconium	90-1	337	447	403	396	14.01	cps
Zirconium	91-1	70	63	100	78	25.11	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV035	Instrumnet Name :	P7
Client Sample ID :	CCV035	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:13:48	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6739725	6802531	6764292	6768850	0.47	cps
Antimony	121-1	2675912	2769215	2764132	2736420	1.92	cps
Arsenic	75-2	187256	187323	187944	187508	0.20	cps
Barium	135-1	3330153	3392337	3473076	3398522	2.11	cps
Barium	137-1	5835603	5899869	5970584	5902019	1.14	cps
Beryllium	9-1	287835	294573	296952	293120	1.61	cps
Bismuth	209-1	3487633	3480079	3462430	3476714	0.37	cps
Bismuth	209-2	2540455	2567067	2408030	2505184	3.40	cps
Bromine	81-1	5331	5581	5054	5322	4.95	cps
Bromine	81-2	80	47	87	71	30.13	cps
Cadmium	108-1	45468	45026	46016	45503	1.09	cps
Cadmium	106-1	64429	66960	66541	65977	2.06	cps
Cadmium	111-1	628832	647319	647178	641109	1.66	cps
Calcium	43-1	3155779	3271746	3254874	3227466	1.94	cps
Calcium	44-1	51233748	52344338	52797033	52125039	1.54	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1293809	1294043	1307029	1298294	0.58	cps
Cobalt	59-2	2046330	2023792	2061372	2043831	0.93	cps
Copper	63-2	14571865	14369259	14360251	14433792	0.83	cps
Dysprosium	156-1	293	267	330	297	10.72	cps
Dysprosium	156-2	310	250	263	274	11.48	cps
Erbium	164-1	153	160	163	159	3.20	cps
Erbium	164-2	107	147	93	116	24.02	cps
Gadolinium	160-1	133	103	113	117	13.10	cps
Gadolinium	160-2	230	257	217	234	8.69	cps
Holmium	165-1	5786402	5788594	5755120	5776705	0.32	cps
Holmium	165-2	3873983	3962225	3715493	3850567	3.25	cps
Indium	115-1	4460765	4522041	4534085	4505630	0.87	cps
Indium	115-2	1687837	1668603	1559356	1638598	4.23	cps
Iron	56-2	278183403	277542303	279130869	278285525	0.29	cps
Iron	57-2	6975912	6954567	6974225	6968235	0.17	cps
Iron	54-2	15507919	15517579	15306012	15443837	0.77	cps
Krypton	83-1	223	187	187	199	10.64	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV035	Instrumnet Name :	P7
Client Sample ID :	CCV035	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:13:48	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9294874	9439217	9574912	9436334	1.48	cps
Lead	207-1	8393143	8563062	8504925	8487043	1.02	cps
Lead	208-1	37889434	38420357	38538481	38282757	0.90	cps
Lithium	6-1	569291	578302	569346	572313	0.91	cps
Magnesium	24-2	55295311	55857369	55369511	55507397	0.55	cps
Manganese	55-2	9238500	9332615	9273927	9281681	0.51	cps
Molybdenum	94-1	9852840	10078731	10139212	10023594	1.51	cps
Molybdenum	95-1	14239878	14534832	14787796	14520835	1.89	cps
Molybdenum	96-1	15636861	15957551	16225756	15940056	1.85	cps
Molybdenum	97-1	8896157	9044358	9167760	9036092	1.50	cps
Molybdenum	98-1	22893630	23567474	23865257	23442120	2.12	cps
Neodymium	150-1	153	133	213	167	24.98	cps
Neodymium	150-2	47	57	47	50	11.55	cps
Nickel	60-2	497547	496699	497741	497329	0.11	cps
Phosphorus	31-2	78477	78805	79592	78958	0.73	cps
Potassium	39-2	37983932	38048718	38180424	38071025	0.26	cps
Rhodium	103-1	4126602	4168323	4206273	4167066	0.96	cps
Rhodium	103-2	2783427	2690455	2570500	2681461	3.98	cps
Scandium	45-1	2528294	2527229	2544704	2533409	0.39	cps
Scandium	45-2	295566	290873	277550	287997	3.25	cps
Selenium	82-1	39351	39944	40281	39859	1.18	cps
Selenium	77-2	4904	4731	4854	4830	1.85	cps
Selenium	78-2	16049	16316	16109	16158	0.87	cps
Silicon	28-1	14953531	15050521	14770083	14924712	0.95	cps
Silver	107-1	3211017	3297283	3274694	3260998	1.37	cps
Silver	109-1	3129828	3125522	3101942	3119097	0.48	cps
Sodium	23-2	96611439	96742412	96304012	96552621	0.23	cps
Strontium	86-1	20466439	21210326	21250805	20975856	2.11	cps
Strontium	88-1	179027504	182703131	187311677	183014104	2.27	cps
Sulfur	34-1	280440	283231	283938	282536	0.65	cps
Terbium	159-1	6007044	6046644	5981244	6011644	0.55	cps
Terbium	159-2	3967824	3856101	3745805	3856577	2.88	cps
Thallium	203-1	2343702	2381531	2403540	2376258	1.27	cps
Thallium	205-1	5585890	5542933	5775764	5634862	2.20	cps
Tin	118-1	2062667	2106436	2158833	2109312	2.28	cps
Titanium	47-1	3373401	3410818	3514330	3432850	2.13	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV035	Instrumnet Name :	P7
Client Sample ID :	CCV035	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:13:48	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7533352	7691286	7734213	7652951	1.38	cps
Vanadium	51-2	1184866	1187131	1186218	1186071	0.10	cps
Yttrium	89-1	7775712	7881935	7811397	7823014	0.69	cps
Yttrium	89-2	2306391	2299528	2160227	2255382	3.66	cps
Zinc	66-2	2414082	2447630	2409627	2423780	0.86	cps
Zirconium	90-1	4428959	4596274	4634860	4553364	2.40	cps
Zirconium	91-1	975786	1009161	1010712	998553	1.98	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB035	Instrumnet Name :	P7
Client Sample ID :	CCB035	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:16:34	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	537	500	527	521	3.64	cps
Antimony	121-1	2057	1960	1910	1976	3.77	cps
Arsenic	75-2	13	7	20	13	49.99	cps
Barium	135-1	220	197	147	188	19.95	cps
Barium	137-1	450	297	323	357	22.97	cps
Beryllium	9-1	60	47	60	56	13.85	cps
Bismuth	209-1	3699999	3629883	3616938	3648940	1.22	cps
Bismuth	209-2	2762668	2685518	2756591	2734926	1.57	cps
Bromine	81-1	5281	5281	5141	5234	1.54	cps
Bromine	81-2	117	117	70	101	26.65	cps
Cadmium	108-1	7	7	13	9	43.25	cps
Cadmium	106-1	1297	1093	1040	1143	11.85	cps
Cadmium	111-1	986	834	742	854	14.45	cps
Calcium	43-1	380	423	250	351	25.69	cps
Calcium	44-1	14657	13870	13466	13998	4.33	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	610	723	573	636	12.30	cps
Cobalt	59-2	117	133	147	132	11.37	cps
Copper	63-2	1837	1830	1717	1795	3.76	cps
Dysprosium	156-1	167	190	147	168	12.93	cps
Dysprosium	156-2	43	37	53	44	18.87	cps
Erbium	164-1	27	40	63	43	42.82	cps
Erbium	164-2	17	37	27	27	37.50	cps
Gadolinium	160-1	30	13	27	23	37.81	cps
Gadolinium	160-2	140	193	213	182	20.80	cps
Holmium	165-1	5902324	5669165	5685463	5752317	2.26	cps
Holmium	165-2	3946251	3882371	3979897	3936173	1.26	cps
Indium	115-1	4803702	4809596	4649816	4754371	1.91	cps
Indium	115-2	1776834	1753853	1791583	1774090	1.07	cps
Iron	56-2	20287	19620	18909	19605	3.52	cps
Iron	57-2	2800	2984	3017	2934	3.98	cps
Iron	54-2	1753	1640	1763	1719	3.99	cps
Krypton	83-1	190	197	227	204	9.55	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB035	Instrumnet Name :	P7
Client Sample ID :	CCB035	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:16:34	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1133	930	873	979	13.97	cps
Lead	207-1	943	860	770	858	10.11	cps
Lead	208-1	4314	3664	3444	3807	11.88	cps
Lithium	6-1	564335	563517	555376	561076	0.88	cps
Magnesium	24-2	2534	2354	2237	2375	6.29	cps
Manganese	55-2	553	503	527	528	4.74	cps
Molybdenum	94-1	997	920	727	881	15.79	cps
Molybdenum	95-1	1337	1173	1120	1210	9.33	cps
Molybdenum	96-1	1600	1297	1207	1368	15.07	cps
Molybdenum	97-1	877	717	737	777	11.22	cps
Molybdenum	98-1	2387	1994	1617	1999	19.26	cps
Neodymium	150-1	10	17	7	11	45.82	cps
Neodymium	150-2	0	7	3	3	100.05	cps
Nickel	60-2	107	77	93	92	16.30	cps
Phosphorus	31-2	140	117	157	138	14.58	cps
Potassium	39-2	86350	86249	86407	86335	0.09	cps
Rhodium	103-1	4505012	4468992	4383653	4452553	1.40	cps
Rhodium	103-2	2979194	2935770	2967631	2960865	0.76	cps
Scandium	45-1	2565375	2532302	2521077	2539584	0.91	cps
Scandium	45-2	299101	299170	295763	298011	0.65	cps
Selenium	82-1	220	227	198	215	6.99	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	337	400	360	366	8.76	cps
Silicon	28-1	179955	179334	178471	179254	0.42	cps
Silver	107-1	460	380	293	378	22.06	cps
Silver	109-1	500	370	287	386	27.89	cps
Sodium	23-2	60308	59310	58139	59252	1.83	cps
Strontium	86-1	1363	1040	980	1128	18.28	cps
Strontium	88-1	9180	7275	6178	7544	20.13	cps
Sulfur	34-1	124085	125436	124381	124634	0.57	cps
Terbium	159-1	6122729	6004377	5935128	6020745	1.58	cps
Terbium	159-2	3966923	3939452	4010279	3972218	0.90	cps
Thallium	203-1	517	543	547	536	3.07	cps
Thallium	205-1	1273	1183	1053	1170	9.45	cps
Tin	118-1	1837	1767	1733	1779	2.96	cps
Titanium	47-1	363	277	250	297	19.97	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB035	Instrumnet Name :	P7
Client Sample ID :	CCB035	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:16:34	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	387	297	273	319	18.77	cps
Vanadium	51-2	63	47	50	53	16.53	cps
Yttrium	89-1	7944421	7894765	7797344	7878843	0.95	cps
Yttrium	89-2	2363953	2294555	2362600	2340369	1.70	cps
Zinc	66-2	457	377	467	433	11.38	cps
Zirconium	90-1	657	657	623	646	2.98	cps
Zirconium	91-1	157	170	180	169	6.93	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164277BL	Instrumnet Name :	P7
Client Sample ID :	PBS277	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:19:54	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	387	347	317	350	10.04	cps
Antimony	121-1	447	507	537	497	9.23	cps
Arsenic	75-2	20	7	17	14	48.02	cps
Barium	135-1	113	93	130	112	16.36	cps
Barium	137-1	163	157	213	178	17.42	cps
Beryllium	9-1	83	30	23	46	72.20	cps
Bismuth	209-1	3665701	3633900	3577728	3625776	1.23	cps
Bismuth	209-2	2736549	2671287	2744853	2717563	1.48	cps
Bromine	81-1	5161	5298	5494	5318	3.15	cps
Bromine	81-2	97	80	77	84	12.69	cps
Cadmium	108-1	7	10	3	7	50.03	cps
Cadmium	106-1	1130	1137	1220	1162	4.31	cps
Cadmium	111-1	840	812	888	847	4.56	cps
Calcium	43-1	1027	237	250	505	89.70	cps
Calcium	44-1	21385	12452	11882	15240	34.97	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	610	453	560	541	14.79	cps
Cobalt	59-2	133	127	107	122	11.35	cps
Copper	63-2	1547	1570	1323	1480	9.20	cps
Dysprosium	156-1	150	190	130	157	19.50	cps
Dysprosium	156-2	53	53	37	48	20.13	cps
Erbium	164-1	43	27	47	39	27.55	cps
Erbium	164-2	33	27	37	32	15.80	cps
Gadolinium	160-1	30	20	20	23	24.74	cps
Gadolinium	160-2	120	167	170	152	18.37	cps
Holmium	165-1	5822927	5779368	5688190	5763495	1.19	cps
Holmium	165-2	3927245	3862583	3973911	3921246	1.43	cps
Indium	115-1	4780214	4769847	4723715	4757926	0.63	cps
Indium	115-2	1758196	1767912	1762690	1762932	0.28	cps
Iron	56-2	14073	13940	14183	14066	0.87	cps
Iron	57-2	2750	2764	2924	2813	3.43	cps
Iron	54-2	1457	1537	1533	1509	3.00	cps
Krypton	83-1	213	150	167	177	18.58	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164277BL	Instrumnet Name :	P7
Client Sample ID :	PBS277	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:19:54	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	640	543	513	566	11.70	cps
Lead	207-1	570	540	503	538	6.21	cps
Lead	208-1	2543	2373	2320	2412	4.84	cps
Lithium	6-1	561440	568422	559114	562992	0.86	cps
Magnesium	24-2	1143	1237	1167	1182	4.11	cps
Manganese	55-2	377	350	363	363	3.67	cps
Molybdenum	94-1	620	360	393	458	30.91	cps
Molybdenum	95-1	637	397	353	462	33.02	cps
Molybdenum	96-1	633	450	433	506	21.95	cps
Molybdenum	97-1	333	257	217	269	22.05	cps
Molybdenum	98-1	890	547	540	659	30.39	cps
Neodymium	150-1	7	3	7	6	34.70	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	73	83	113	90	23.13	cps
Phosphorus	31-2	127	120	113	120	5.55	cps
Potassium	39-2	83229	82519	82545	82764	0.49	cps
Rhodium	103-1	4472484	4513013	4464501	4483332	0.58	cps
Rhodium	103-2	3028302	2944963	2971509	2981591	1.43	cps
Scandium	45-1	2581239	2570700	2570644	2574194	0.24	cps
Scandium	45-2	296256	295427	294181	295288	0.35	cps
Selenium	82-1	252	275	268	265	4.38	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	393	357	323	358	9.79	cps
Silicon	28-1	172746	173471	174064	173427	0.38	cps
Silver	107-1	213	167	157	179	16.91	cps
Silver	109-1	167	153	143	154	7.58	cps
Sodium	23-2	49008	49590	49466	49354	0.62	cps
Strontium	86-1	890	593	647	710	22.28	cps
Strontium	88-1	5999	2587	2520	3702	53.74	cps
Sulfur	34-1	123954	125819	125241	125005	0.76	cps
Terbium	159-1	6006499	6075355	5927411	6003088	1.23	cps
Terbium	159-2	3963806	3992722	3931059	3962529	0.78	cps
Thallium	203-1	287	283	220	263	14.27	cps
Thallium	205-1	700	693	610	668	7.51	cps
Tin	118-1	1690	1353	1443	1496	11.66	cps
Titanium	47-1	417	167	180	254	55.29	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164277BL	Instrumnet Name :	P7
Client Sample ID :	PBS277	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:19:54	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	313	137	103	184	61.20	cps
Vanadium	51-2	33	23	43	33	30.00	cps
Yttrium	89-1	7897569	7946344	7798681	7880865	0.95	cps
Yttrium	89-2	2368893	2313156	2313743	2331930	1.37	cps
Zinc	66-2	420	423	373	406	6.89	cps
Zirconium	90-1	527	407	370	434	18.86	cps
Zirconium	91-1	90	50	70	70	28.57	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164277BS	Instrumnet Name :	P7
Client Sample ID :	LCS277	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:23:11	DataFile Name :	020LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5598	5598	5358	5518	2.51	cps
Antimony	121-1	20935	21089	21383	21136	1.08	cps
Arsenic	75-2	657	667	697	673	3.09	cps
Barium	135-1	24438	24768	24588	24598	0.67	cps
Barium	137-1	41266	42219	41183	41556	1.39	cps
Beryllium	9-1	1150	993	1217	1120	10.24	cps
Bismuth	209-1	3672922	3605908	3607573	3628801	1.05	cps
Bismuth	209-2	2695466	2745449	2738464	2726460	0.99	cps
Bromine	81-1	5154	5171	5194	5173	0.39	cps
Bromine	81-2	87	73	53	71	23.60	cps
Cadmium	108-1	260	257	190	236	16.76	cps
Cadmium	106-1	1570	1490	1377	1479	6.57	cps
Cadmium	111-1	4034	3980	3938	3984	1.21	cps
Calcium	43-1	13042	12759	13002	12935	1.19	cps
Calcium	44-1	219858	221311	221001	220723	0.35	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12275	12465	12218	12320	1.05	cps
Cobalt	59-2	7842	7902	7835	7860	0.47	cps
Copper	63-2	12819	12539	13026	12794	1.91	cps
Dysprosium	156-1	150	130	190	157	19.50	cps
Dysprosium	156-2	20	57	37	38	48.60	cps
Erbium	164-1	43	43	33	40	14.43	cps
Erbium	164-2	33	47	43	41	16.89	cps
Gadolinium	160-1	7	27	37	23	65.46	cps
Gadolinium	160-2	147	143	163	151	7.09	cps
Holmium	165-1	5779082	5757274	5734951	5757102	0.38	cps
Holmium	165-2	3955878	3988609	3882828	3942438	1.37	cps
Indium	115-1	4795004	4790904	4642130	4742679	1.84	cps
Indium	115-2	1775687	1747984	1767484	1763718	0.81	cps
Iron	56-2	940436	932883	929250	934190	0.61	cps
Iron	57-2	26503	26163	25639	26102	1.67	cps
Iron	54-2	53913	52448	52187	52849	1.76	cps
Krypton	83-1	173	150	180	168	9.39	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164277BS	Instrumnet Name :	P7
Client Sample ID :	LCS277	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:23:11	DataFile Name :	020LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	7229	7509	7049	7262	3.19	cps
Lead	207-1	6265	6795	6308	6456	4.56	cps
Lead	208-1	28886	29519	28282	28896	2.14	cps
Lithium	6-1	570336	568762	554632	564577	1.53	cps
Magnesium	24-2	241980	238970	239324	240091	0.69	cps
Manganese	55-2	4211	4347	4254	4271	1.64	cps
Molybdenum	94-1	21112	21933	21329	21458	1.98	cps
Molybdenum	95-1	26027	26361	25766	26051	1.14	cps
Molybdenum	96-1	28595	28681	28207	28494	0.89	cps
Molybdenum	97-1	16172	16082	16286	16180	0.63	cps
Molybdenum	98-1	40479	41138	41118	40912	0.92	cps
Neodymium	150-1	10	10	7	9	21.63	cps
Neodymium	150-2	7	3	3	4	43.40	cps
Nickel	60-2	2324	2327	2260	2304	1.63	cps
Phosphorus	31-2	150	120	117	129	14.24	cps
Potassium	39-2	394483	394357	392800	393880	0.24	cps
Rhodium	103-1	4479045	4436867	4370828	4428914	1.23	cps
Rhodium	103-2	2930892	2977808	2927717	2945472	0.95	cps
Scandium	45-1	2603465	2578408	2549455	2577109	1.05	cps
Scandium	45-2	298417	292789	288412	293206	1.71	cps
Selenium	82-1	1056	974	1034	1021	4.19	cps
Selenium	77-2	70	127	90	96	30.08	cps
Selenium	78-2	683	767	620	690	10.66	cps
Silicon	28-1	213949	214892	213811	214218	0.27	cps
Silver	107-1	11992	12319	12152	12154	1.34	cps
Silver	109-1	10888	11448	11391	11242	2.74	cps
Sodium	23-2	431199	431585	430257	431013	0.16	cps
Strontium	86-1	3580	3594	3747	3640	2.54	cps
Strontium	88-1	29313	29680	29657	29550	0.70	cps
Sulfur	34-1	127335	126212	126239	126595	0.51	cps
Terbium	159-1	5999158	6033050	5884618	5972275	1.30	cps
Terbium	159-2	3977231	3923586	3841699	3914172	1.74	cps
Thallium	203-1	8463	8683	8323	8489	2.14	cps
Thallium	205-1	20419	20165	20182	20255	0.70	cps
Tin	118-1	1764	1654	1397	1605	11.74	cps
Titanium	47-1	6305	6288	6428	6340	1.21	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164277BS	Instrumnet Name :	P7
Client Sample ID :	LCS277	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:23:11	DataFile Name :	020LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	25635	25768	25531	25645	0.46	cps
Vanadium	51-2	23498	22767	23515	23260	1.84	cps
Yttrium	89-1	7968548	7827242	7777016	7857602	1.26	cps
Yttrium	89-2	2312667	2324486	2278107	2305086	1.05	cps
Zinc	66-2	5081	5221	4988	5096	2.31	cps
Zirconium	90-1	17878	18302	17928	18036	1.28	cps
Zirconium	91-1	4074	3841	4007	3974	3.03	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164277BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD277	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:26:30	DataFile Name :	021LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3044	3094	2954	3030	2.34	cps
Antimony	121-1	11028	10908	10864	10933	0.77	cps
Arsenic	75-2	337	377	397	370	8.26	cps
Barium	135-1	12395	12249	12589	12411	1.38	cps
Barium	137-1	21263	21924	21306	21497	1.72	cps
Beryllium	9-1	527	630	663	607	11.75	cps
Bismuth	209-1	3670092	3598915	3605512	3624840	1.08	cps
Bismuth	209-2	2741963	2733094	2752889	2742649	0.36	cps
Bromine	81-1	5694	5274	5144	5371	5.35	cps
Bromine	81-2	80	70	90	80	12.50	cps
Cadmium	108-1	120	153	113	129	16.63	cps
Cadmium	106-1	1340	1210	1280	1277	5.10	cps
Cadmium	111-1	2384	2386	2530	2434	3.44	cps
Calcium	43-1	6678	6635	6618	6644	0.47	cps
Calcium	44-1	117094	116789	117198	117027	0.18	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6408	6191	6451	6350	2.19	cps
Cobalt	59-2	4024	3737	3884	3882	3.69	cps
Copper	63-2	7412	7329	7359	7366	0.57	cps
Dysprosium	156-1	123	147	143	138	9.16	cps
Dysprosium	156-2	33	30	27	30	11.10	cps
Erbium	164-1	57	60	23	47	43.45	cps
Erbium	164-2	27	20	23	23	14.29	cps
Gadolinium	160-1	10	23	30	21	48.24	cps
Gadolinium	160-2	170	190	197	186	7.48	cps
Holmium	165-1	5891992	5778491	5744711	5805065	1.33	cps
Holmium	165-2	3945107	3920325	3905284	3923572	0.51	cps
Indium	115-1	4708156	4709421	4764752	4727443	0.68	cps
Indium	115-2	1785791	1769508	1767357	1774219	0.57	cps
Iron	56-2	479245	478771	474171	477395	0.59	cps
Iron	57-2	14390	14687	14217	14431	1.65	cps
Iron	54-2	28076	27008	27338	27474	1.99	cps
Krypton	83-1	160	187	183	177	8.23	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164277BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD277	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:26:30	DataFile Name :	021LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3917	4024	3804	3915	2.81	cps
Lead	207-1	3240	3460	3450	3384	3.67	cps
Lead	208-1	15674	16101	15794	15856	1.39	cps
Lithium	6-1	573216	567302	565334	568617	0.72	cps
Magnesium	24-2	122278	121478	121280	121679	0.43	cps
Manganese	55-2	2447	2584	2397	2476	3.90	cps
Molybdenum	94-1	11101	10607	11011	10906	2.41	cps
Molybdenum	95-1	12876	12806	12856	12846	0.28	cps
Molybdenum	96-1	14597	14314	14104	14338	1.73	cps
Molybdenum	97-1	8066	8172	8086	8108	0.70	cps
Molybdenum	98-1	20538	21115	21082	20912	1.55	cps
Neodymium	150-1	10	10	17	12	31.50	cps
Neodymium	150-2	0	7	0	2	173.21	cps
Nickel	60-2	1163	1203	1230	1199	2.80	cps
Phosphorus	31-2	120	123	167	137	19.05	cps
Potassium	39-2	238788	239103	235928	237940	0.74	cps
Rhodium	103-1	4457465	4471519	4440324	4456436	0.35	cps
Rhodium	103-2	2953490	2945367	2993019	2963959	0.86	cps
Scandium	45-1	2611103	2560806	2540724	2570878	1.41	cps
Scandium	45-2	293864	297503	293541	294969	0.75	cps
Selenium	82-1	677	669	649	665	2.19	cps
Selenium	77-2	40	30	63	44	38.48	cps
Selenium	78-2	493	503	447	481	6.29	cps
Silicon	28-1	194126	193483	192620	193409	0.39	cps
Silver	107-1	6271	6008	6411	6230	3.29	cps
Silver	109-1	5664	5785	5798	5749	1.28	cps
Sodium	23-2	238274	235908	237284	237155	0.50	cps
Strontium	86-1	1923	2137	1990	2017	5.41	cps
Strontium	88-1	15495	15655	15388	15513	0.87	cps
Sulfur	34-1	128222	129187	129697	129036	0.58	cps
Terbium	159-1	6039284	6081457	6067130	6062624	0.35	cps
Terbium	159-2	3962942	4012044	3977701	3984229	0.63	cps
Thallium	203-1	4284	4344	4424	4351	1.61	cps
Thallium	205-1	10397	10728	10598	10574	1.57	cps
Tin	118-1	1470	1283	1523	1426	8.84	cps
Titanium	47-1	3170	3304	3347	3274	2.81	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164277BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD277	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:26:30	DataFile Name :	021LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13080	12963	12756	12933	1.27	cps
Vanadium	51-2	11655	11801	11691	11716	0.65	cps
Yttrium	89-1	7855119	7892369	7726887	7824792	1.11	cps
Yttrium	89-2	2336419	2342809	2353764	2344331	0.37	cps
Zinc	66-2	2827	3014	2687	2843	5.77	cps
Zirconium	90-1	9146	9093	8996	9078	0.84	cps
Zirconium	91-1	1903	1947	1933	1928	1.15	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:29:47	DataFile Name :	022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2343345	2296907	2301782	2314011	1.10	cps
Antimony	121-1	5338	5691	5444	5491	3.30	cps
Arsenic	75-2	12295	12355	12035	12228	1.39	cps
Barium	135-1	704035	717552	716395	712660	1.05	cps
Barium	137-1	1210722	1240954	1235203	1228960	1.31	cps
Beryllium	9-1	537	467	523	509	7.30	cps
Bismuth	209-1	3663203	3653713	3601225	3639381	0.92	cps
Bismuth	209-2	2748370	2755238	2764292	2755967	0.29	cps
Bromine	81-1	5985	6118	6048	6050	1.10	cps
Bromine	81-2	203	217	213	211	3.29	cps
Cadmium	108-1	373	380	337	363	6.42	cps
Cadmium	106-1	1743	1680	1650	1691	2.82	cps
Cadmium	111-1	5216	5214	5173	5201	0.46	cps
Calcium	43-1	95052	97155	96213	96140	1.10	cps
Calcium	44-1	1487082	1510990	1486596	1494889	0.93	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	106110	105160	104600	105290	0.73	cps
Cobalt	59-2	76507	76306	76370	76394	0.13	cps
Copper	63-2	1274221	1271815	1269746	1271927	0.18	cps
Dysprosium	156-1	18265	18849	18729	18615	1.66	cps
Dysprosium	156-2	17911	17538	17811	17754	1.09	cps
Erbium	164-1	11525	11862	11612	11666	1.50	cps
Erbium	164-2	8239	8056	8516	8270	2.80	cps
Gadolinium	160-1	15168	15956	15622	15582	2.54	cps
Gadolinium	160-2	11892	11932	11722	11848	0.94	cps
Holmium	165-1	5669260	5786802	5679954	5712005	1.14	cps
Holmium	165-2	3930333	3915388	3885878	3910533	0.58	cps
Indium	115-1	4674986	4690249	4688713	4684649	0.18	cps
Indium	115-2	1706287	1762864	1731442	1733531	1.64	cps
Iron	56-2	55661146	55529534	55022898	55404526	0.61	cps
Iron	57-2	1378694	1366413	1358599	1367902	0.74	cps
Iron	54-2	3119015	3074380	3103452	3098949	0.73	cps
Krypton	83-1	200	190	133	174	20.61	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:29:47	DataFile Name :	022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	314667	317701	317278	316549	0.52	cps
Lead	207-1	281855	280154	281186	281065	0.30	cps
Lead	208-1	1258427	1264242	1266035	1262901	0.31	cps
Lithium	6-1	565889	579116	569016	571340	1.21	cps
Magnesium	24-2	1385929	1332187	1362572	1360229	1.98	cps
Manganese	55-2	8866232	8902432	8836036	8868233	0.37	cps
Molybdenum	94-1	25516	25322	25232	25357	0.57	cps
Molybdenum	95-1	1593	1610	1533	1579	2.55	cps
Molybdenum	96-1	5821	6041	5928	5930	1.86	cps
Molybdenum	97-1	807	897	917	873	6.71	cps
Molybdenum	98-1	2144	2144	2094	2127	1.36	cps
Neodymium	150-1	43343	43326	42868	43179	0.62	cps
Neodymium	150-2	26355	25490	25099	25648	2.51	cps
Nickel	60-2	58507	56640	57814	57654	1.64	cps
Phosphorus	31-2	12265	12202	12358	12275	0.64	cps
Potassium	39-2	1057467	1049215	1054319	1053667	0.40	cps
Rhodium	103-1	4407409	4350002	4335264	4364225	0.87	cps
Rhodium	103-2	2904347	2906259	2853361	2887989	1.04	cps
Scandium	45-1	2573321	2594846	2543863	2570677	1.00	cps
Scandium	45-2	300812	299271	302236	300773	0.49	cps
Selenium	82-1	298	298	394	330	16.85	cps
Selenium	77-2	70	77	73	73	4.55	cps
Selenium	78-2	370	403	393	389	4.40	cps
Silicon	28-1	4638789	4689664	4680945	4669800	0.58	cps
Silver	107-1	7225	7122	6855	7067	2.70	cps
Silver	109-1	6505	6938	6742	6728	3.23	cps
Sodium	23-2	91456	90490	89585	90511	1.03	cps
Strontium	86-1	140423	141176	140884	140828	0.27	cps
Strontium	88-1	1223556	1239694	1238856	1234035	0.74	cps
Sulfur	34-1	131089	127258	125147	127832	2.36	cps
Terbium	159-1	5868357	5972344	5910643	5917114	0.88	cps
Terbium	159-2	3973870	3944841	3930496	3949736	0.56	cps
Thallium	203-1	1390	1450	1360	1400	3.27	cps
Thallium	205-1	3254	3347	3407	3336	2.32	cps
Tin	118-1	11938	12075	12155	12056	0.91	cps
Titanium	47-1	354974	357638	359182	357265	0.60	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:29:47	DataFile Name :	022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8529	8956	8823	8770	2.49	cps
Vanadium	51-2	103925	102337	101861	102708	1.05	cps
Yttrium	89-1	7920245	7975297	7944209	7946584	0.35	cps
Yttrium	89-2	2370751	2393460	2332180	2365464	1.31	cps
Zinc	66-2	134903	134802	133669	134458	0.51	cps
Zirconium	90-1	65320	67623	66438	66460	1.73	cps
Zirconium	91-1	14257	14888	14831	14659	2.38	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-05DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:33:05	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2323285	2320548	2292086	2311973	0.75	cps
Antimony	121-1	5551	5518	5351	5473	1.96	cps
Arsenic	75-2	11848	12389	12352	12196	2.48	cps
Barium	135-1	666603	665657	672542	668267	0.56	cps
Barium	137-1	1144175	1154748	1155793	1151572	0.56	cps
Beryllium	9-1	537	537	490	521	5.17	cps
Bismuth	209-1	3670196	3558332	3658999	3629176	1.70	cps
Bismuth	209-2	2736924	2707817	2705813	2716851	0.64	cps
Bromine	81-1	6071	6045	6248	6121	1.81	cps
Bromine	81-2	250	270	187	236	18.47	cps
Cadmium	108-1	350	330	383	354	7.60	cps
Cadmium	106-1	1687	1637	1650	1658	1.56	cps
Cadmium	111-1	5276	5089	5458	5274	3.50	cps
Calcium	43-1	94012	95632	96662	95435	1.40	cps
Calcium	44-1	1503898	1491348	1525029	1506758	1.13	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	103740	104573	104694	104335	0.50	cps
Cobalt	59-2	74112	74768	72876	73919	1.30	cps
Copper	63-2	1260037	1263642	1250033	1257904	0.56	cps
Dysprosium	156-1	18135	18028	18355	18173	0.92	cps
Dysprosium	156-2	17808	17521	17968	17766	1.28	cps
Erbium	164-1	11842	11852	12155	11950	1.49	cps
Erbium	164-2	8012	7876	7889	7926	0.95	cps
Gadolinium	160-1	15182	15779	15475	15479	1.93	cps
Gadolinium	160-2	11708	11565	11385	11553	1.40	cps
Holmium	165-1	5850778	5806552	5601510	5752947	2.31	cps
Holmium	165-2	3896687	3857303	3907095	3887028	0.68	cps
Indium	115-1	4673062	4687418	4612024	4657502	0.86	cps
Indium	115-2	1727051	1725170	1745898	1732706	0.66	cps
Iron	56-2	55536344	55641873	55392483	55523566	0.23	cps
Iron	57-2	1376271	1365904	1331101	1357758	1.74	cps
Iron	54-2	3074076	3074593	3078716	3075795	0.08	cps
Krypton	83-1	183	187	187	186	1.04	cps

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On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-05DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:33:05	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	311997	315566	316380	314647	0.74	cps
Lead	207-1	280689	281734	281990	281471	0.24	cps
Lead	208-1	1256106	1264615	1271346	1264022	0.60	cps
Lithium	6-1	582012	565464	569783	572420	1.50	cps
Magnesium	24-2	1317381	1337900	1332890	1329390	0.80	cps
Manganese	55-2	7906828	7857859	7871989	7878892	0.32	cps
Molybdenum	94-1	25008	25967	25149	25375	2.04	cps
Molybdenum	95-1	1427	1620	1600	1549	6.86	cps
Molybdenum	96-1	5715	6225	6098	6012	4.42	cps
Molybdenum	97-1	930	773	860	854	9.19	cps
Molybdenum	98-1	2174	2140	2224	2179	1.93	cps
Neodymium	150-1	43634	43454	42454	43180	1.47	cps
Neodymium	150-2	25099	24879	25169	25049	0.61	cps
Nickel	60-2	57520	57232	57172	57308	0.32	cps
Phosphorus	31-2	11838	11631	11694	11721	0.90	cps
Potassium	39-2	1051228	1049705	1051280	1050738	0.09	cps
Rhodium	103-1	4358196	4347791	4297279	4334422	0.75	cps
Rhodium	103-2	2883310	2886591	2867485	2879129	0.35	cps
Scandium	45-1	2588119	2580412	2589058	2585863	0.18	cps
Scandium	45-2	300960	298257	297989	299069	0.55	cps
Selenium	82-1	299	287	358	315	11.96	cps
Selenium	77-2	53	90	63	69	27.52	cps
Selenium	78-2	460	440	377	426	10.22	cps
Silicon	28-1	4649242	4746792	4696624	4697552	1.04	cps
Silver	107-1	6975	6928	6862	6922	0.82	cps
Silver	109-1	6415	6371	6335	6374	0.63	cps
Sodium	23-2	88788	88744	89367	88966	0.39	cps
Strontium	86-1	136304	137213	137478	136998	0.45	cps
Strontium	88-1	1189731	1199213	1204450	1197798	0.62	cps
Sulfur	34-1	122724	122093	120967	121928	0.73	cps
Terbium	159-1	6011287	5957266	5910361	5959638	0.85	cps
Terbium	159-2	3942550	3975241	3948259	3955350	0.44	cps
Thallium	203-1	1347	1293	1160	1267	7.59	cps
Thallium	205-1	3030	3064	3027	3040	0.67	cps
Tin	118-1	12199	12162	11882	12081	1.44	cps
Titanium	47-1	356094	361062	364692	360616	1.20	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-05DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:33:05	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8486	8893	8610	8663	2.41	cps
Vanadium	51-2	102831	101613	102592	102345	0.63	cps
Yttrium	89-1	7950420	8078961	7936498	7988627	0.98	cps
Yttrium	89-2	2345988	2344782	2343347	2344706	0.06	cps
Zinc	66-2	134866	132845	134206	133972	0.77	cps
Zirconium	90-1	64677	66140	67449	66089	2.10	cps
Zirconium	91-1	14981	14547	15262	14930	2.41	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBB7L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 13:36:14	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	455614	455259	459712	456862	0.54	cps
Antimony	121-1	1087	1183	1137	1136	4.26	cps
Arsenic	75-2	2377	2484	2530	2464	3.19	cps
Barium	135-1	140804	141161	140122	140696	0.38	cps
Barium	137-1	239326	243176	241979	241494	0.82	cps
Beryllium	9-1	130	110	130	123	9.36	cps
Bismuth	209-1	3526406	3593150	3574836	3564797	0.97	cps
Bismuth	209-2	2678046	2676748	2680232	2678342	0.07	cps
Bromine	81-1	5401	5178	5278	5285	2.12	cps
Bromine	81-2	80	100	107	96	14.52	cps
Cadmium	108-1	70	80	67	72	9.61	cps
Cadmium	106-1	1160	1137	1087	1128	3.32	cps
Cadmium	111-1	1716	1516	1561	1598	6.57	cps
Calcium	43-1	19386	19566	19286	19413	0.73	cps
Calcium	44-1	316295	321564	322051	319970	1.00	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	21352	20804	20948	21035	1.35	cps
Cobalt	59-2	15171	15478	15335	15328	1.00	cps
Copper	63-2	252169	249752	249793	250571	0.55	cps
Dysprosium	156-1	3704	3637	3634	3658	1.08	cps
Dysprosium	156-2	3477	3444	3754	3558	4.78	cps
Erbium	164-1	2200	2460	2240	2300	6.09	cps
Erbium	164-2	1753	1637	1593	1661	4.98	cps
Gadolinium	160-1	3130	3220	3070	3140	2.40	cps
Gadolinium	160-2	2347	2490	2457	2431	3.09	cps
Holmium	165-1	5645450	5661863	5544149	5617154	1.13	cps
Holmium	165-2	3909573	3808044	3877624	3865080	1.34	cps
Indium	115-1	4577372	4645477	4583832	4602227	0.82	cps
Indium	115-2	1702299	1694764	1701233	1699432	0.24	cps
Iron	56-2	10822982	10845554	10813291	10827276	0.15	cps
Iron	57-2	280936	280685	278620	280080	0.45	cps
Iron	54-2	624669	618516	620419	621202	0.51	cps
Krypton	83-1	200	160	180	180	11.11	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBB7L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 13:36:14	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	61666	62218	63200	62361	1.25	cps
Lead	207-1	54987	56601	56530	56039	1.63	cps
Lead	208-1	249704	251884	253723	251770	0.80	cps
Lithium	6-1	574842	572550	566028	571140	0.80	cps
Magnesium	24-2	270751	271746	269996	270831	0.32	cps
Manganese	55-2	1733575	1735946	1700915	1723479	1.14	cps
Molybdenum	94-1	5318	5491	5348	5386	1.72	cps
Molybdenum	95-1	447	437	403	429	5.29	cps
Molybdenum	96-1	1390	1343	1383	1372	1.84	cps
Molybdenum	97-1	267	297	257	273	7.62	cps
Molybdenum	98-1	630	650	537	606	9.99	cps
Neodymium	150-1	8062	8683	8569	8438	3.91	cps
Neodymium	150-2	5041	5091	4834	4989	2.73	cps
Nickel	60-2	11948	11138	11318	11468	3.71	cps
Phosphorus	31-2	2607	2487	2537	2544	2.37	cps
Potassium	39-2	268818	268006	268957	268594	0.19	cps
Rhodium	103-1	4420375	4318667	4367231	4368758	1.16	cps
Rhodium	103-2	2870222	2830921	2888433	2863192	1.03	cps
Scandium	45-1	2546400	2498051	2461041	2501831	1.71	cps
Scandium	45-2	289108	286185	287872	287721	0.51	cps
Selenium	82-1	222	282	252	252	11.85	cps
Selenium	77-2	20	10	10	13	43.30	cps
Selenium	78-2	353	303	330	329	7.61	cps
Silicon	28-1	1095440	1088091	1085201	1089577	0.48	cps
Silver	107-1	1480	1457	1527	1488	2.40	cps
Silver	109-1	1230	1417	1310	1319	7.10	cps
Sodium	23-2	47055	47125	47891	47357	0.98	cps
Strontium	86-1	27880	28244	28725	28283	1.50	cps
Strontium	88-1	243178	246463	247832	245824	0.97	cps
Sulfur	34-1	110505	109727	110281	110171	0.36	cps
Terbium	159-1	5914154	5864545	5776725	5851808	1.19	cps
Terbium	159-2	3869320	3859969	3900753	3876681	0.55	cps
Thallium	203-1	353	400	390	381	6.45	cps
Thallium	205-1	860	900	867	876	2.45	cps
Tin	118-1	3180	3257	3114	3184	2.25	cps
Titanium	47-1	70055	70640	70768	70488	0.54	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBB7L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 13:36:14	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1673	1880	1850	1801	6.20	cps
Vanadium	51-2	20127	20093	20724	20315	1.75	cps
Yttrium	89-1	7712509	7704016	7626483	7681003	0.62	cps
Yttrium	89-2	2290643	2305885	2288964	2295164	0.41	cps
Zinc	66-2	26797	26868	26547	26737	0.63	cps
Zirconium	90-1	12502	13911	13253	13222	5.33	cps
Zirconium	91-1	2884	2954	2970	2936	1.57	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-06REDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:39:32	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	983	993	993	990	0.58	cps
Antimony	121-1	70	87	107	88	20.92	cps
Arsenic	75-2	13	10	10	11	17.30	cps
Barium	135-1	270	263	250	261	3.90	cps
Barium	137-1	463	500	430	464	7.54	cps
Beryllium	9-1	17	17	13	16	12.40	cps
Bismuth	209-1	3495979	3519913	3493440	3503110	0.42	cps
Bismuth	209-2	2627432	2690061	2656451	2657981	1.18	cps
Bromine	81-1	5334	5051	5211	5199	2.73	cps
Bromine	81-2	43	87	63	64	33.66	cps
Cadmium	108-1	10	17	10	12	31.50	cps
Cadmium	106-1	1100	1103	1100	1101	0.17	cps
Cadmium	111-1	773	771	776	773	0.37	cps
Calcium	43-1	260	263	223	249	8.92	cps
Calcium	44-1	11988	11651	11605	11748	1.78	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	607	650	603	620	4.20	cps
Cobalt	59-2	103	137	123	121	13.86	cps
Copper	63-2	1910	1707	1793	1803	5.66	cps
Dysprosium	156-1	120	100	150	123	20.40	cps
Dysprosium	156-2	37	60	50	49	23.94	cps
Erbium	164-1	37	63	37	46	33.79	cps
Erbium	164-2	27	23	10	20	44.10	cps
Gadolinium	160-1	20	27	20	22	17.33	cps
Gadolinium	160-2	133	157	183	158	15.86	cps
Holmium	165-1	5674312	5679916	5547390	5633872	1.33	cps
Holmium	165-2	3800152	3814258	3825239	3813216	0.33	cps
Indium	115-1	4583924	4624784	4535935	4581547	0.97	cps
Indium	115-2	1720919	1716568	1716679	1718055	0.14	cps
Iron	56-2	27328	26750	27178	27086	1.11	cps
Iron	57-2	3174	2817	2990	2994	5.96	cps
Iron	54-2	2137	2220	2140	2166	2.18	cps
Krypton	83-1	200	203	160	188	12.84	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-06REDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:39:32	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	623	547	520	563	9.52	cps
Lead	207-1	393	510	487	463	13.32	cps
Lead	208-1	2170	2207	2007	2128	5.00	cps
Lithium	6-1	559104	558218	552348	556557	0.66	cps
Magnesium	24-2	1270	1137	1137	1181	6.52	cps
Manganese	55-2	2867	2867	2794	2843	1.49	cps
Molybdenum	94-1	243	210	190	214	12.57	cps
Molybdenum	95-1	200	187	183	190	4.64	cps
Molybdenum	96-1	210	220	173	201	12.22	cps
Molybdenum	97-1	80	113	117	103	19.62	cps
Molybdenum	98-1	230	250	270	250	8.00	cps
Neodymium	150-1	30	17	20	22	31.22	cps
Neodymium	150-2	10	10	7	9	21.63	cps
Nickel	60-2	160	137	83	127	31.03	cps
Phosphorus	31-2	137	150	120	136	11.09	cps
Potassium	39-2	77697	77978	77814	77830	0.18	cps
Rhodium	103-1	4402321	4368916	4292805	4354681	1.29	cps
Rhodium	103-2	2872520	2841729	2870362	2861537	0.60	cps
Scandium	45-1	2469799	2496230	2455967	2473999	0.83	cps
Scandium	45-2	283262	282031	281716	282336	0.29	cps
Selenium	82-1	236	221	256	238	7.33	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	373	343	313	343	8.74	cps
Silicon	28-1	173960	176397	174854	175070	0.70	cps
Silver	107-1	83	110	110	101	15.23	cps
Silver	109-1	57	73	47	59	22.87	cps
Sodium	23-2	36898	36593	34960	36150	2.88	cps
Strontium	86-1	520	520	513	518	0.74	cps
Strontium	88-1	1827	1810	1730	1789	2.89	cps
Sulfur	34-1	109831	109270	110136	109746	0.40	cps
Terbium	159-1	5848453	5876356	5825583	5850131	0.43	cps
Terbium	159-2	3914159	3774740	3856890	3848596	1.82	cps
Thallium	203-1	140	153	143	146	4.77	cps
Thallium	205-1	273	347	327	316	12.01	cps
Tin	118-1	937	860	943	913	5.07	cps
Titanium	47-1	183	207	243	211	14.33	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-06REDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:39:32	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	73	77	83	78	6.55	cps
Vanadium	51-2	70	80	33	61	40.21	cps
Yttrium	89-1	7566834	7630803	7519786	7572474	0.74	cps
Yttrium	89-2	2267673	2227587	2241590	2245617	0.91	cps
Zinc	66-2	453	520	443	472	8.83	cps
Zirconium	90-1	367	373	420	387	7.52	cps
Zirconium	91-1	90	87	97	91	5.59	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04REMSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:42:49	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	717	647	597	653	9.23	cps
Antimony	121-1	70	70	87	76	12.74	cps
Arsenic	75-2	13	7	3	8	65.47	cps
Barium	135-1	113	123	97	111	12.13	cps
Barium	137-1	243	193	230	222	11.65	cps
Beryllium	9-1	20	17	20	19	10.18	cps
Bismuth	209-1	3533378	3652090	3514335	3566601	2.09	cps
Bismuth	209-2	2664302	2688606	2676049	2676319	0.45	cps
Bromine	81-1	5371	5141	5241	5251	2.20	cps
Bromine	81-2	57	40	60	52	20.52	cps
Cadmium	108-1	3	10	0	4	114.60	cps
Cadmium	106-1	1033	1137	1160	1110	6.07	cps
Cadmium	111-1	728	809	839	792	7.25	cps
Calcium	43-1	270	190	247	236	17.47	cps
Calcium	44-1	11685	11401	11588	11558	1.25	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	690	700	597	662	8.61	cps
Cobalt	59-2	100	120	97	106	11.95	cps
Copper	63-2	1420	1403	1377	1400	1.56	cps
Dysprosium	156-1	113	167	157	146	19.48	cps
Dysprosium	156-2	33	60	37	43	33.53	cps
Erbium	164-1	33	27	40	33	20.00	cps
Erbium	164-2	30	17	40	29	40.51	cps
Gadolinium	160-1	27	23	30	27	12.51	cps
Gadolinium	160-2	147	173	153	158	8.80	cps
Holmium	165-1	5647928	5644402	5554939	5615756	0.94	cps
Holmium	165-2	3783300	3799542	3851069	3811304	0.93	cps
Indium	115-1	4576679	4601963	4523914	4567519	0.87	cps
Indium	115-2	1718012	1718213	1718572	1718266	0.02	cps
Iron	56-2	16603	17360	16900	16954	2.25	cps
Iron	57-2	2750	2810	2790	2784	1.10	cps
Iron	54-2	1790	1597	1550	1646	7.73	cps
Krypton	83-1	230	223	173	209	14.83	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04REMSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:42:49	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	430	373	470	424	11.44	cps
Lead	207-1	367	427	383	392	7.90	cps
Lead	208-1	1683	1710	1697	1697	0.79	cps
Lithium	6-1	560009	566144	561384	562512	0.57	cps
Magnesium	24-2	933	857	980	923	6.74	cps
Manganese	55-2	1153	1010	1027	1063	7.37	cps
Molybdenum	94-1	210	227	213	217	4.07	cps
Molybdenum	95-1	150	210	180	180	16.67	cps
Molybdenum	96-1	197	180	203	193	6.22	cps
Molybdenum	97-1	113	130	87	110	19.87	cps
Molybdenum	98-1	293	247	237	259	11.68	cps
Neodymium	150-1	17	3	13	11	62.48	cps
Neodymium	150-2	7	0	0	2	173.21	cps
Nickel	60-2	113	120	87	107	16.53	cps
Phosphorus	31-2	147	103	147	132	18.92	cps
Potassium	39-2	76642	77637	76826	77035	0.69	cps
Rhodium	103-1	4375583	4316702	4324492	4338925	0.74	cps
Rhodium	103-2	2859221	2883012	2853835	2865356	0.54	cps
Scandium	45-1	2526626	2488816	2505535	2506992	0.76	cps
Scandium	45-2	283157	283627	284822	283869	0.30	cps
Selenium	82-1	190	178	220	196	11.21	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	357	260	283	300	16.81	cps
Silicon	28-1	172666	173074	173020	172920	0.13	cps
Silver	107-1	107	110	97	104	6.64	cps
Silver	109-1	77	87	80	81	6.28	cps
Sodium	23-2	35952	36487	35521	35986	1.34	cps
Strontium	86-1	477	483	470	477	1.40	cps
Strontium	88-1	1520	1457	1477	1485	2.18	cps
Sulfur	34-1	111872	112094	110475	111480	0.79	cps
Terbium	159-1	5843064	5855269	5767844	5822059	0.81	cps
Terbium	159-2	3854223	3866917	3848215	3856452	0.25	cps
Thallium	203-1	133	157	140	143	8.38	cps
Thallium	205-1	333	287	350	323	10.15	cps
Tin	118-1	1047	943	967	986	5.50	cps
Titanium	47-1	157	137	173	156	11.80	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04REMSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:42:49	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	70	70	60	67	8.66	cps
Vanadium	51-2	30	23	30	28	13.86	cps
Yttrium	89-1	7621967	7629238	7636949	7629385	0.10	cps
Yttrium	89-2	2287285	2262913	2248779	2266326	0.86	cps
Zinc	66-2	423	433	433	430	1.34	cps
Zirconium	90-1	307	337	257	300	13.47	cps
Zirconium	91-1	60	80	43	61	30.04	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-06DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:48:15	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2459098	2407581	2390899	2419192	1.47	cps
Antimony	121-1	102935	104990	105940	104621	1.47	cps
Arsenic	75-2	15054	15295	14821	15057	1.57	cps
Barium	135-1	1162242	1177990	1180900	1173711	0.86	cps
Barium	137-1	2195580	2231622	2186728	2204644	1.08	cps
Beryllium	9-1	5911	6151	6181	6081	2.43	cps
Bismuth	209-1	3658625	3633442	3656648	3649571	0.38	cps
Bismuth	209-2	2699110	2747142	2700628	2715627	1.01	cps
Bromine	81-1	5584	5901	5848	5778	2.94	cps
Bromine	81-2	257	220	267	248	9.92	cps
Cadmium	108-1	1077	1043	1090	1070	2.25	cps
Cadmium	106-1	2650	2537	2624	2604	2.28	cps
Cadmium	111-1	16777	17311	17116	17068	1.58	cps
Calcium	43-1	98041	100986	100779	99935	1.64	cps
Calcium	44-1	1550700	1561430	1582219	1564783	1.02	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	206305	204031	203528	204621	0.72	cps
Cobalt	59-2	433756	432342	435224	433774	0.33	cps
Copper	63-2	1435081	1433527	1429581	1432730	0.20	cps
Dysprosium	156-1	18806	19667	19380	19284	2.27	cps
Dysprosium	156-2	17778	18062	18222	18021	1.25	cps
Erbium	164-1	11798	12442	12426	12222	3.00	cps
Erbium	164-2	8256	8202	8029	8162	1.45	cps
Gadolinium	160-1	16416	16233	16156	16268	0.82	cps
Gadolinium	160-2	11888	12075	12015	11993	0.80	cps
Holmium	165-1	5863474	5795952	5788251	5815892	0.71	cps
Holmium	165-2	3885249	3926749	3868302	3893433	0.77	cps
Indium	115-1	4748289	4697702	4673240	4706411	0.81	cps
Indium	115-2	1756004	1747675	1762321	1755333	0.42	cps
Iron	56-2	57470514	57468012	57387329	57441952	0.08	cps
Iron	57-2	1437663	1433263	1432533	1434487	0.19	cps
Iron	54-2	3252098	3232686	3167012	3217266	1.39	cps
Krypton	83-1	197	190	207	198	4.24	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-06DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:48:15	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	334016	338386	341905	338102	1.17	cps
Lead	207-1	298716	305731	302615	302354	1.16	cps
Lead	208-1	1347390	1362649	1372342	1360794	0.92	cps
Lithium	6-1	583579	587435	585726	585580	0.33	cps
Magnesium	24-2	1421303	1394162	1362562	1392676	2.11	cps
Manganese	55-2	8599377	8579381	8574413	8584390	0.15	cps
Molybdenum	94-1	24411	25205	25008	24875	1.66	cps
Molybdenum	95-1	1730	1810	1650	1730	4.62	cps
Molybdenum	96-1	6101	6201	5918	6074	2.37	cps
Molybdenum	97-1	1000	983	920	968	4.36	cps
Molybdenum	98-1	2254	2340	2480	2358	4.85	cps
Neodymium	150-1	44199	45259	44135	44531	1.42	cps
Neodymium	150-2	26358	25824	26198	26127	1.05	cps
Nickel	60-2	149315	148767	150238	149440	0.50	cps
Phosphorus	31-2	13102	12809	12595	12835	1.98	cps
Potassium	39-2	1075867	1068380	1068310	1070852	0.41	cps
Rhodium	103-1	4480081	4423112	4391987	4431727	1.01	cps
Rhodium	103-2	2918102	2908119	2840992	2889071	1.45	cps
Scandium	45-1	2709186	2648142	2582360	2646563	2.40	cps
Scandium	45-2	298585	298403	297632	298207	0.17	cps
Selenium	82-1	1807	1708	1748	1754	2.85	cps
Selenium	77-2	193	273	267	244	18.16	cps
Selenium	78-2	950	1063	1077	1030	6.76	cps
Silicon	28-1	4212685	4273533	4201566	4229261	0.92	cps
Silver	107-1	55726	56252	57533	56504	1.65	cps
Silver	109-1	52940	54810	54067	53939	1.75	cps
Sodium	23-2	86226	85794	85563	85861	0.39	cps
Strontium	86-1	142846	142933	144263	143347	0.55	cps
Strontium	88-1	1249795	1262160	1262269	1258075	0.57	cps
Sulfur	34-1	117635	115351	111822	114936	2.55	cps
Terbium	159-1	6028562	6046682	5874291	5983178	1.58	cps
Terbium	159-2	3970979	3926177	3964519	3953892	0.61	cps
Thallium	203-1	39293	40045	40754	40031	1.82	cps
Thallium	205-1	91881	93925	95123	93643	1.75	cps
Tin	118-1	12562	12792	13400	12918	3.35	cps
Titanium	47-1	360937	366264	363868	363690	0.73	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-06DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:48:15	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9107	9213	8883	9068	1.86	cps
Vanadium	51-2	318624	319497	316914	318345	0.41	cps
Yttrium	89-1	8096421	8091090	8046846	8078119	0.34	cps
Yttrium	89-2	2351824	2382880	2346037	2360247	0.84	cps
Zinc	66-2	180683	179906	179977	180188	0.24	cps
Zirconium	90-1	65800	66679	65775	66085	0.78	cps
Zirconium	91-1	14280	14467	15185	14644	3.26	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:51:25	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2443450	2434572	2409310	2429111	0.73	cps
Antimony	121-1	406708	412717	406108	408511	0.89	cps
Arsenic	75-2	23071	23108	22587	22922	1.27	cps
Barium	135-1	2805833	2833525	2847418	2828925	0.75	cps
Barium	137-1	4878479	4870575	4867719	4872258	0.11	cps
Beryllium	9-1	23404	23621	23778	23601	0.80	cps
Bismuth	209-1	3665243	3237098	3526697	3476346	6.28	cps
Bismuth	209-2	2750951	2740982	2696736	2729556	1.06	cps
Bromine	81-1	5985	5798	5988	5923	1.84	cps
Bromine	81-2	230	260	187	226	16.35	cps
Cadmium	108-1	3594	3404	3580	3526	3.01	cps
Cadmium	106-1	5925	6035	5758	5906	2.36	cps
Cadmium	111-1	52838	53025	52858	52907	0.19	cps
Calcium	43-1	96018	97635	96263	96639	0.90	cps
Calcium	44-1	1520611	1517209	1479320	1505713	1.52	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	505589	504325	501262	503725	0.44	cps
Cobalt	59-2	1583485	1607066	1570640	1587064	1.16	cps
Copper	63-2	1831655	1814422	1813317	1819798	0.57	cps
Dysprosium	156-1	18375	19066	18472	18638	2.01	cps
Dysprosium	156-2	17458	17481	17528	17489	0.20	cps
Erbium	164-1	11475	12142	11678	11765	2.91	cps
Erbium	164-2	8156	8226	8146	8176	0.53	cps
Gadolinium	160-1	16016	16103	15716	15945	1.27	cps
Gadolinium	160-2	11632	11205	11138	11325	2.37	cps
Holmium	165-1	5804188	5185117	5683938	5557748	5.91	cps
Holmium	165-2	3911289	3877319	3928007	3905538	0.66	cps
Indium	115-1	4737418	4187329	4527996	4484248	6.19	cps
Indium	115-2	1757855	1770221	1711510	1746529	1.77	cps
Iron	56-2	56395922	56291051	55579161	56088711	0.79	cps
Iron	57-2	1397892	1398288	1375068	1390416	0.96	cps
Iron	54-2	3114162	3132265	3135415	3127281	0.37	cps
Krypton	83-1	190	200	190	193	2.99	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:51:25	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	373388	371410	369571	371456	0.51	cps
Lead	207-1	328418	329465	322792	326892	1.10	cps
Lead	208-1	1484050	1483154	1467934	1478379	0.61	cps
Lithium	6-1	594875	536550	575682	569036	5.22	cps
Magnesium	24-2	1306523	1317567	1311319	1311803	0.42	cps
Manganese	55-2	8911579	8884850	8744551	8846994	1.01	cps
Molybdenum	94-1	24321	23663	23142	23708	2.49	cps
Molybdenum	95-1	1677	1707	1767	1717	2.67	cps
Molybdenum	96-1	6285	5641	5751	5892	5.84	cps
Molybdenum	97-1	890	887	957	911	4.33	cps
Molybdenum	98-1	2357	2294	2337	2329	1.39	cps
Neodymium	150-1	44159	43998	43146	43768	1.24	cps
Neodymium	150-2	25303	25630	25006	25313	1.23	cps
Nickel	60-2	432607	428643	427463	429571	0.63	cps
Phosphorus	31-2	12065	11474	11815	11785	2.51	cps
Potassium	39-2	1029791	1023300	1022816	1025302	0.38	cps
Rhodium	103-1	4445166	3939396	4338054	4240872	6.28	cps
Rhodium	103-2	2915961	2934471	2827482	2892638	1.98	cps
Scandium	45-1	2614858	2319331	2551683	2495291	6.24	cps
Scandium	45-2	296912	293308	289883	293368	1.20	cps
Selenium	82-1	6654	6626	6505	6595	1.20	cps
Selenium	77-2	777	853	843	824	5.06	cps
Selenium	78-2	2904	2830	2754	2829	2.65	cps
Silicon	28-1	4056248	4072326	4112175	4080250	0.71	cps
Silver	107-1	192694	190827	197885	193802	1.89	cps
Silver	109-1	179476	184188	184337	182667	1.51	cps
Sodium	23-2	85023	86682	84983	85563	1.13	cps
Strontium	86-1	139672	141197	138094	139654	1.11	cps
Strontium	88-1	1223706	1218121	1213638	1218488	0.41	cps
Sulfur	34-1	108964	106890	107961	107939	0.96	cps
Terbium	159-1	6151289	5407175	5846237	5801567	6.45	cps
Terbium	159-2	3972631	3863199	3902367	3912732	1.42	cps
Thallium	203-1	163461	160369	159948	161259	1.19	cps
Thallium	205-1	382658	384094	375997	380916	1.13	cps
Tin	118-1	13099	12879	12873	12950	1.00	cps
Titanium	47-1	346147	352136	352177	350153	0.99	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBB7SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 13:51:25	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9113	8786	8926	8942	1.83	cps
Vanadium	51-2	980773	982293	981998	981688	0.08	cps
Yttrium	89-1	7991697	7171543	7794442	7652561	5.59	cps
Yttrium	89-2	2348075	2401252	2319188	2356171	1.77	cps
Zinc	66-2	307578	306993	307636	307402	0.12	cps
Zirconium	90-1	64175	65050	64375	64533	0.71	cps
Zirconium	91-1	13693	14150	14020	13955	1.69	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04A	Instrumnet Name :	P7
Client Sample ID :	MYDBB7ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:54:30	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8972614	8780655	8838695	8863988	1.11	cps
Antimony	121-1	20708	21696	20705	21037	2.72	cps
Arsenic	75-2	48124	48402	47362	47963	1.12	cps
Barium	135-1	2985274	2988922	2993583	2989260	0.14	cps
Barium	137-1	5149124	5205541	5242226	5198964	0.90	cps
Beryllium	9-1	1887	2080	2134	2033	6.38	cps
Bismuth	209-1	3694650	3672402	3673027	3680026	0.34	cps
Bismuth	209-2	2775215	2783105	2738131	2765484	0.87	cps
Bromine	81-1	7362	7319	7896	7525	4.27	cps
Bromine	81-2	773	693	777	748	6.31	cps
Cadmium	108-1	1280	1190	1340	1270	5.95	cps
Cadmium	106-1	3280	3094	2864	3079	6.78	cps
Cadmium	111-1	17509	17989	17763	17754	1.35	cps
Calcium	43-1	364571	376041	373878	371497	1.64	cps
Calcium	44-1	5721611	5878290	5794135	5798012	1.35	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	409087	403625	406650	406454	0.67	cps
Cobalt	59-2	295893	292176	293210	293759	0.65	cps
Copper	63-2	5057386	5028828	4998092	5028102	0.59	cps
Dysprosium	156-1	70710	72144	71953	71602	1.09	cps
Dysprosium	156-2	68988	67642	69805	68812	1.59	cps
Erbium	164-1	45183	46330	46387	45967	1.48	cps
Erbium	164-2	31883	31459	31242	31528	1.03	cps
Gadolinium	160-1	60299	63011	60932	61414	2.31	cps
Gadolinium	160-2	45948	45286	45527	45587	0.73	cps
Holmium	165-1	5894604	5832649	5724047	5817100	1.48	cps
Holmium	165-2	3955020	3898364	3923566	3925650	0.72	cps
Indium	115-1	4682835	4689207	4568093	4646712	1.47	cps
Indium	115-2	1739697	1745203	1724464	1736455	0.62	cps
Iron	56-2	215992550	213495317	213771910	214419926	0.64	cps
Iron	57-2	5333870	5320882	5293588	5316114	0.39	cps
Iron	54-2	11887058	11783335	11840399	11836931	0.44	cps
Krypton	83-1	287	237	233	252	11.84	cps

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On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04A	Instrumnet Name :	P7
Client Sample ID :	MYDBB7ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:54:30	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1202117	1228130	1233560	1221269	1.38	cps
Lead	207-1	1081263	1098260	1087817	1089114	0.79	cps
Lead	208-1	5240224	5348548	5345457	5311410	1.16	cps
Lithium	6-1	588927	569020	568172	575373	2.04	cps
Magnesium	24-2	5213958	5175296	5203443	5197566	0.38	cps
Manganese	55-2	34058095	33772455	33942083	33924211	0.42	cps
Molybdenum	94-1	101456	105730	106069	104418	2.46	cps
Molybdenum	95-1	5628	5878	5604	5703	2.66	cps
Molybdenum	96-1	23139	23592	24935	23889	3.91	cps
Molybdenum	97-1	3050	2930	2950	2977	2.16	cps
Molybdenum	98-1	7625	7675	7986	7762	2.51	cps
Neodymium	150-1	167695	169110	171124	169310	1.02	cps
Neodymium	150-2	99468	100575	100663	100235	0.66	cps
Nickel	60-2	223228	220942	221410	221860	0.54	cps
Phosphorus	31-2	46260	46450	45417	46042	1.19	cps
Potassium	39-2	3694547	3635700	3610771	3647006	1.18	cps
Rhodium	103-1	4355458	4304982	4287980	4316140	0.81	cps
Rhodium	103-2	2843852	2889749	2839220	2857607	0.98	cps
Scandium	45-1	2769152	2754354	2675357	2732954	1.85	cps
Scandium	45-2	310245	309238	310751	310078	0.25	cps
Selenium	82-1	460	537	575	524	11.18	cps
Selenium	77-2	267	293	370	310	17.31	cps
Selenium	78-2	640	580	590	603	5.33	cps
Silicon	28-1	17599386	17712802	17588574	17633587	0.39	cps
Silver	107-1	53408	54579	54495	54161	1.21	cps
Silver	109-1	51327	51113	51538	51326	0.41	cps
Sodium	23-2	236102	236410	237478	236663	0.31	cps
Strontium	86-1	540554	549873	553091	547839	1.19	cps
Strontium	88-1	4840476	4990663	4974710	4935283	1.67	cps
Sulfur	34-1	122953	120726	120191	121290	1.21	cps
Terbium	159-1	6061065	5902832	5962148	5975348	1.34	cps
Terbium	159-2	4034220	3930101	3937950	3967424	1.46	cps
Thallium	203-1	4501	4691	4771	4654	2.98	cps
Thallium	205-1	10628	10784	11165	10859	2.54	cps
Tin	118-1	43957	44301	43806	44022	0.58	cps
Titanium	47-1	1388504	1429331	1408734	1408856	1.45	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4331-04A	Instrumnet Name :	P7
Client Sample ID :	MYDBB7ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:54:30	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33165	34782	34879	34275	2.81	cps
Vanadium	51-2	404284	400670	398335	401096	0.75	cps
Yttrium	89-1	8547872	8418499	8370360	8445577	1.09	cps
Yttrium	89-2	2481996	2465009	2489821	2478942	0.51	cps
Zinc	66-2	525875	514014	515831	518573	1.23	cps
Zirconium	90-1	270255	277467	277875	275199	1.56	cps
Zirconium	91-1	60652	60451	62220	61108	1.58	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV036	Instrumnet Name :	P7
Client Sample ID :	CCV036	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:57:36	DataFile Name :	030CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6804955	6829577	6775445	6803326	0.40	cps
Antimony	121-1	2660374	2736171	2759906	2718817	1.91	cps
Arsenic	75-2	186121	187404	185828	186451	0.45	cps
Barium	135-1	3364552	3405253	3450910	3406905	1.27	cps
Barium	137-1	5706241	5881960	5888464	5825555	1.77	cps
Beryllium	9-1	290127	296372	294125	293542	1.08	cps
Bismuth	209-1	3480037	3567343	3556355	3534578	1.35	cps
Bismuth	209-2	2660006	2623347	2662316	2648556	0.83	cps
Bromine	81-1	5458	5061	5284	5268	3.78	cps
Bromine	81-2	93	70	80	81	14.43	cps
Cadmium	108-1	45103	46223	46548	45958	1.65	cps
Cadmium	106-1	64991	66230	66163	65795	1.06	cps
Cadmium	111-1	626149	644963	643094	638069	1.62	cps
Calcium	43-1	3233599	3271435	3298005	3267680	0.99	cps
Calcium	44-1	51955651	52793959	52551021	52433544	0.82	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1284978	1310134	1295261	1296791	0.98	cps
Cobalt	59-2	2083550	2077786	2064098	2075145	0.48	cps
Copper	63-2	14557491	14531111	14512379	14533660	0.16	cps
Dysprosium	156-1	247	277	237	253	8.22	cps
Dysprosium	156-2	283	280	257	273	5.32	cps
Erbium	164-1	167	163	143	158	8.00	cps
Erbium	164-2	123	153	80	119	31.01	cps
Gadolinium	160-1	117	147	100	121	19.53	cps
Gadolinium	160-2	263	220	197	227	14.93	cps
Holmium	165-1	5796925	5938182	5871156	5868754	1.20	cps
Holmium	165-2	3967353	4056511	4028260	4017375	1.13	cps
Indium	115-1	4510992	4638700	4551350	4567014	1.43	cps
Indium	115-2	1682527	1685630	1701968	1690042	0.62	cps
Iron	56-2	278010989	279132883	278688336	278610736	0.20	cps
Iron	57-2	6983901	7009785	6973704	6989130	0.27	cps
Iron	54-2	15547169	15446900	15525292	15506454	0.34	cps
Krypton	83-1	267	203	207	226	15.80	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV036	Instrumnet Name :	P7
Client Sample ID :	CCV036	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:57:36	DataFile Name :	030CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9461944	9625588	9675033	9587522	1.16	cps
Lead	207-1	8513593	8652744	8668904	8611747	0.99	cps
Lead	208-1	38235861	39106795	38947969	38763542	1.20	cps
Lithium	6-1	575633	590779	573927	580113	1.60	cps
Magnesium	24-2	56182098	56246726	55540519	55989781	0.70	cps
Manganese	55-2	9343186	9260121	9291803	9298370	0.45	cps
Molybdenum	94-1	9957232	10307447	10140159	10134946	1.73	cps
Molybdenum	95-1	14489186	14650381	14664674	14601414	0.67	cps
Molybdenum	96-1	15784438	15949296	16079952	15937895	0.93	cps
Molybdenum	97-1	8961001	9189505	9101931	9084146	1.27	cps
Molybdenum	98-1	23185547	23690990	23647276	23507938	1.19	cps
Neodymium	150-1	180	197	160	179	10.26	cps
Neodymium	150-2	80	57	67	68	17.27	cps
Nickel	60-2	503331	502910	502410	502884	0.09	cps
Phosphorus	31-2	79013	77716	79495	78741	1.17	cps
Potassium	39-2	37628206	38018306	37876683	37841065	0.52	cps
Rhodium	103-1	4205765	4266453	4203782	4225333	0.84	cps
Rhodium	103-2	2753793	2851817	2745547	2783719	2.12	cps
Scandium	45-1	2538552	2583649	2516508	2546236	1.34	cps
Scandium	45-2	296633	295032	297440	296368	0.41	cps
Selenium	82-1	39111	40208	40116	39812	1.53	cps
Selenium	77-2	4691	4798	4797	4762	1.29	cps
Selenium	78-2	16479	16189	16436	16368	0.96	cps
Silicon	28-1	14670386	15097396	15003033	14923605	1.50	cps
Silver	107-1	3237807	3325510	3286891	3283402	1.34	cps
Silver	109-1	3059955	3146682	3159914	3122184	1.74	cps
Sodium	23-2	97337112	97259712	96855072	97150632	0.27	cps
Strontium	86-1	20452499	21059939	20791757	20768065	1.47	cps
Strontium	88-1	179052511	184412144	183488717	182317791	1.57	cps
Sulfur	34-1	279108	282379	282923	281470	0.73	cps
Terbium	159-1	6077608	6169296	5999571	6082158	1.40	cps
Terbium	159-2	4010542	4024136	4045429	4026703	0.44	cps
Thallium	203-1	2370701	2409737	2456067	2412168	1.77	cps
Thallium	205-1	5550351	5718284	5657934	5642189	1.51	cps
Tin	118-1	2063901	2138702	2176242	2126282	2.69	cps
Titanium	47-1	3391252	3462347	3466343	3439981	1.23	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV036	Instrumnet Name :	P7
Client Sample ID :	CCV036	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 13:57:36	DataFile Name :	030CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7722125	7830430	7762318	7771624	0.70	cps
Vanadium	51-2	1202472	1191784	1183769	1192675	0.79	cps
Yttrium	89-1	7913545	8026632	7870117	7936764	1.02	cps
Yttrium	89-2	2275319	2320525	2317655	2304500	1.10	cps
Zinc	66-2	2399769	2420637	2378178	2399528	0.88	cps
Zirconium	90-1	4502692	4591003	4596467	4563387	1.15	cps
Zirconium	91-1	979546	1004509	1004930	996328	1.46	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB036	Instrumnet Name :	P7
Client Sample ID :	CCB036	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:00:36	DataFile Name :	031CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	653	467	497	539	18.60	cps
Antimony	121-1	1587	1533	1703	1608	5.41	cps
Arsenic	75-2	23	10	20	18	39.03	cps
Barium	135-1	243	240	177	220	17.07	cps
Barium	137-1	427	413	283	374	21.15	cps
Beryllium	9-1	40	37	20	32	33.25	cps
Bismuth	209-1	3768325	3674775	3647136	3696745	1.72	cps
Bismuth	209-2	2826478	2795572	2759368	2793806	1.20	cps
Bromine	81-1	5301	5184	5151	5212	1.51	cps
Bromine	81-2	110	93	50	84	36.68	cps
Cadmium	108-1	7	10	27	14	74.18	cps
Cadmium	106-1	1157	1110	1063	1110	4.20	cps
Cadmium	111-1	898	830	789	839	6.58	cps
Calcium	43-1	360	280	293	311	13.78	cps
Calcium	44-1	13106	12359	12229	12564	3.77	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	650	677	663	663	2.01	cps
Cobalt	59-2	150	183	133	156	16.37	cps
Copper	63-2	1853	1953	1733	1847	5.97	cps
Dysprosium	156-1	160	110	110	127	22.79	cps
Dysprosium	156-2	27	27	37	30	19.24	cps
Erbium	164-1	37	47	47	43	13.32	cps
Erbium	164-2	30	23	30	28	13.86	cps
Gadolinium	160-1	27	23	40	30	29.40	cps
Gadolinium	160-2	153	210	210	191	17.12	cps
Holmium	165-1	5839340	5833183	5716555	5796359	1.19	cps
Holmium	165-2	4035637	3984396	3874936	3964990	2.07	cps
Indium	115-1	4795795	4836318	4704899	4779004	1.41	cps
Indium	115-2	1735945	1778220	1749770	1754645	1.23	cps
Iron	56-2	20120	19743	19519	19794	1.53	cps
Iron	57-2	2847	2834	2807	2829	0.72	cps
Iron	54-2	2361	1757	1760	1959	17.77	cps
Krypton	83-1	137	163	197	166	18.16	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB036	Instrumnet Name :	P7
Client Sample ID :	CCB036	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:00:36	DataFile Name :	031CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	917	967	677	853	18.17	cps
Lead	207-1	863	747	653	754	13.95	cps
Lead	208-1	3840	3464	3010	3438	12.09	cps
Lithium	6-1	576081	568030	568487	570866	0.79	cps
Magnesium	24-2	16715	2147	1937	6933	122.20	cps
Manganese	55-2	947	817	910	891	7.52	cps
Molybdenum	94-1	973	757	773	834	14.45	cps
Molybdenum	95-1	1183	903	810	966	20.12	cps
Molybdenum	96-1	1263	1020	1000	1095	13.40	cps
Molybdenum	97-1	707	557	623	629	11.95	cps
Molybdenum	98-1	1980	1587	1497	1688	15.23	cps
Neodymium	150-1	10	13	17	13	25.01	cps
Neodymium	150-2	7	10	17	11	45.82	cps
Nickel	60-2	110	117	63	97	30.06	cps
Phosphorus	31-2	90	150	140	127	25.38	cps
Potassium	39-2	81584	81758	81279	81540	0.30	cps
Rhodium	103-1	4527926	4444499	4461588	4478004	0.98	cps
Rhodium	103-2	2964842	2975457	2920049	2953449	1.00	cps
Scandium	45-1	2589843	2566804	2525127	2560591	1.28	cps
Scandium	45-2	296193	294272	292683	294383	0.60	cps
Selenium	82-1	305	290	227	274	15.18	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	320	393	297	337	14.98	cps
Silicon	28-1	175060	174032	171759	173617	0.97	cps
Silver	107-1	447	343	310	367	19.43	cps
Silver	109-1	413	397	313	374	14.31	cps
Sodium	23-2	51847	51218	49506	50857	2.38	cps
Strontium	86-1	1270	1070	907	1082	16.82	cps
Strontium	88-1	8929	6735	5845	7170	22.15	cps
Sulfur	34-1	124938	126138	125110	125396	0.52	cps
Terbium	159-1	6054681	6182384	5926603	6054556	2.11	cps
Terbium	159-2	3942700	3984141	3853209	3926684	1.70	cps
Thallium	203-1	493	457	343	431	18.14	cps
Thallium	205-1	1230	1130	903	1088	15.39	cps
Tin	118-1	1557	1743	1760	1687	6.69	cps
Titanium	47-1	213	250	277	247	12.89	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB036	Instrumnet Name :	P7
Client Sample ID :	CCB036	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:00:36	DataFile Name :	031CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	407	303	320	343	16.16	cps
Vanadium	51-2	37	57	33	42	29.89	cps
Yttrium	89-1	7937053	7993800	7807843	7912898	1.20	cps
Yttrium	89-2	2350846	2329556	2307336	2329246	0.93	cps
Zinc	66-2	453	463	437	451	2.99	cps
Zirconium	90-1	730	673	527	643	16.31	cps
Zirconium	91-1	127	133	120	127	5.27	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164345BL	Instrumnet Name :	P7
Client Sample ID :	PBS345	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:05:45	DataFile Name :	032CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	427	337	327	363	15.16	cps
Antimony	121-1	333	323	327	328	1.55	cps
Arsenic	75-2	7	10	13	10	33.30	cps
Barium	135-1	127	103	170	133	25.37	cps
Barium	137-1	267	183	213	221	19.09	cps
Beryllium	9-1	30	30	17	26	30.11	cps
Bismuth	209-1	3780437	3617646	3636793	3678292	2.42	cps
Bismuth	209-2	2815281	2753344	2796467	2788364	1.14	cps
Bromine	81-1	5241	5244	5278	5254	0.39	cps
Bromine	81-2	60	100	117	92	31.58	cps
Cadmium	108-1	7	3	0	3	100.05	cps
Cadmium	106-1	973	1057	983	1004	4.53	cps
Cadmium	111-1	700	754	728	727	3.71	cps
Calcium	43-1	240	250	200	230	11.50	cps
Calcium	44-1	11491	11278	10834	11201	2.99	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	597	587	547	577	4.59	cps
Cobalt	59-2	160	93	127	127	26.31	cps
Copper	63-2	1323	1473	1410	1402	5.37	cps
Dysprosium	156-1	120	120	140	127	9.12	cps
Dysprosium	156-2	33	50	43	42	19.87	cps
Erbium	164-1	50	27	20	32	48.88	cps
Erbium	164-2	17	30	17	21	36.45	cps
Gadolinium	160-1	40	13	50	34	55.04	cps
Gadolinium	160-2	100	167	123	130	26.02	cps
Holmium	165-1	5943881	5807257	5717718	5822952	1.96	cps
Holmium	165-2	3960243	3926540	3952484	3946422	0.45	cps
Indium	115-1	4855410	4832192	4686217	4791273	1.91	cps
Indium	115-2	1799414	1775743	1760537	1778564	1.10	cps
Iron	56-2	14117	14067	14053	14079	0.24	cps
Iron	57-2	2527	2604	2770	2634	4.72	cps
Iron	54-2	1503	1547	1457	1502	3.00	cps
Krypton	83-1	210	150	160	173	18.55	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164345BL	Instrumnet Name :	P7
Client Sample ID :	PBS345	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:05:45	DataFile Name :	032CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	543	443	403	463	15.56	cps
Lead	207-1	447	430	430	436	2.21	cps
Lead	208-1	2107	1897	1967	1990	5.37	cps
Lithium	6-1	578883	570263	566229	571792	1.13	cps
Magnesium	24-2	1160	1113	1157	1143	2.28	cps
Manganese	55-2	610	657	563	610	7.65	cps
Molybdenum	94-1	320	270	263	284	10.89	cps
Molybdenum	95-1	310	283	330	308	7.61	cps
Molybdenum	96-1	353	340	297	330	8.98	cps
Molybdenum	97-1	203	180	200	194	6.49	cps
Molybdenum	98-1	490	437	480	469	6.05	cps
Neodymium	150-1	3	13	7	8	65.47	cps
Neodymium	150-2	0	7	3	3	100.05	cps
Nickel	60-2	93	80	63	79	19.05	cps
Phosphorus	31-2	97	123	127	116	14.23	cps
Potassium	39-2	79999	78826	79851	79559	0.80	cps
Rhodium	103-1	4547067	4490292	4479554	4505638	0.81	cps
Rhodium	103-2	2991598	2978597	2959894	2976696	0.54	cps
Scandium	45-1	2643293	2571163	2605791	2606749	1.38	cps
Scandium	45-2	296766	293714	290566	293682	1.06	cps
Selenium	82-1	220	255	213	229	9.86	cps
Selenium	77-2	7	0	7	4	86.60	cps
Selenium	78-2	320	323	317	320	1.04	cps
Silicon	28-1	170896	171358	168986	170413	0.74	cps
Silver	107-1	147	140	97	128	21.25	cps
Silver	109-1	160	147	90	132	28.11	cps
Sodium	23-2	42947	43237	41990	42725	1.53	cps
Strontium	86-1	600	550	627	592	6.57	cps
Strontium	88-1	2437	2334	2427	2399	2.38	cps
Sulfur	34-1	124814	125023	124683	124840	0.14	cps
Terbium	159-1	6131667	6005579	5965528	6034258	1.44	cps
Terbium	159-2	3968688	3985531	3928768	3960996	0.74	cps
Thallium	203-1	253	260	243	252	3.33	cps
Thallium	205-1	543	550	483	526	6.99	cps
Tin	118-1	1360	1337	1363	1353	1.07	cps
Titanium	47-1	150	137	160	149	7.86	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164345BL	Instrumnet Name :	P7
Client Sample ID :	PBS345	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:05:45	DataFile Name :	032CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	107	83	70	87	21.42	cps
Vanadium	51-2	50	17	30	32	52.06	cps
Yttrium	89-1	7983562	8095378	7770837	7949926	2.07	cps
Yttrium	89-2	2358166	2367099	2316547	2347271	1.15	cps
Zinc	66-2	397	373	350	373	6.25	cps
Zirconium	90-1	350	350	370	357	3.24	cps
Zirconium	91-1	80	100	90	90	11.11	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164345BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD345	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:12:21	DataFile Name :	034LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3040	3117	3110	3089	1.37	cps
Antimony	121-1	10801	10431	10507	10580	1.85	cps
Arsenic	75-2	403	463	390	419	9.33	cps
Barium	135-1	12312	12632	12292	12412	1.54	cps
Barium	137-1	21239	21500	21496	21412	0.70	cps
Beryllium	9-1	540	523	623	562	9.53	cps
Bismuth	209-1	3727200	3692798	3647282	3689093	1.09	cps
Bismuth	209-2	2761107	2781059	2802481	2781549	0.74	cps
Bromine	81-1	5191	5314	5188	5231	1.38	cps
Bromine	81-2	70	93	83	82	14.24	cps
Cadmium	108-1	120	93	140	118	19.88	cps
Cadmium	106-1	1390	1193	1203	1262	8.78	cps
Cadmium	111-1	2326	2323	2271	2307	1.34	cps
Calcium	43-1	6571	6348	6742	6554	3.01	cps
Calcium	44-1	118307	117242	117057	117535	0.57	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6485	6468	6091	6348	3.51	cps
Cobalt	59-2	4027	4141	3921	4029	2.73	cps
Copper	63-2	7245	7482	7449	7392	1.73	cps
Dysprosium	156-1	170	93	127	130	29.57	cps
Dysprosium	156-2	53	63	40	52	22.41	cps
Erbium	164-1	20	63	33	39	57.07	cps
Erbium	164-2	33	3	23	20	76.39	cps
Gadolinium	160-1	13	27	23	21	32.88	cps
Gadolinium	160-2	150	197	187	178	13.82	cps
Holmium	165-1	5958712	5885930	5826625	5890422	1.12	cps
Holmium	165-2	3940150	3939941	3961310	3947134	0.31	cps
Indium	115-1	4833956	4789341	4756189	4793162	0.81	cps
Indium	115-2	1761473	1757600	1783838	1767637	0.80	cps
Iron	56-2	481309	475493	479928	478910	0.63	cps
Iron	57-2	14527	14180	14384	14364	1.21	cps
Iron	54-2	27559	27756	27308	27541	0.81	cps
Krypton	83-1	207	207	223	212	4.53	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164345BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD345	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:12:21	DataFile Name :	034LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3891	3944	3831	3888	1.46	cps
Lead	207-1	3577	3494	3374	3482	2.94	cps
Lead	208-1	16134	15850	15400	15795	2.34	cps
Lithium	6-1	570633	569363	560673	566890	0.96	cps
Magnesium	24-2	122469	121206	121801	121825	0.52	cps
Manganese	55-2	2584	2464	2600	2549	2.93	cps
Molybdenum	94-1	10787	10757	11191	10912	2.22	cps
Molybdenum	95-1	13353	13380	13663	13465	1.28	cps
Molybdenum	96-1	14477	14234	14791	14501	1.93	cps
Molybdenum	97-1	7752	8256	8479	8162	4.56	cps
Molybdenum	98-1	21436	21499	21069	21335	1.09	cps
Neodymium	150-1	3	10	10	8	49.52	cps
Neodymium	150-2	3	3	3	3	0.00	cps
Nickel	60-2	1260	1100	1113	1158	7.67	cps
Phosphorus	31-2	117	127	143	129	10.45	cps
Potassium	39-2	237417	235027	235951	236132	0.51	cps
Rhodium	103-1	4582912	4510714	4451026	4514884	1.46	cps
Rhodium	103-2	2943911	2963403	2957490	2954935	0.34	cps
Scandium	45-1	2648954	2559321	2559377	2589217	2.00	cps
Scandium	45-2	295161	292909	295340	294470	0.46	cps
Selenium	82-1	650	658	633	647	1.91	cps
Selenium	77-2	50	80	57	62	25.32	cps
Selenium	78-2	477	480	493	483	1.82	cps
Silicon	28-1	193588	192093	194182	193288	0.56	cps
Silver	107-1	6108	6108	6125	6114	0.16	cps
Silver	109-1	5928	5705	5881	5838	2.02	cps
Sodium	23-2	235436	230932	233058	233142	0.97	cps
Strontium	86-1	2350	2137	2300	2262	4.93	cps
Strontium	88-1	16643	17037	16549	16743	1.54	cps
Sulfur	34-1	127466	128814	128599	128293	0.56	cps
Terbium	159-1	6179961	6045330	5949079	6058124	1.91	cps
Terbium	159-2	3973964	3943846	3960088	3959299	0.38	cps
Thallium	203-1	4191	4217	4407	4272	2.77	cps
Thallium	205-1	10231	10377	9977	10195	1.99	cps
Tin	118-1	1470	1470	1257	1399	8.81	cps
Titanium	47-1	3350	3480	3357	3396	2.16	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164345BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD345	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:12:21	DataFile Name :	034LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13440	13117	13073	13210	1.52	cps
Vanadium	51-2	11501	11841	11958	11767	2.02	cps
Yttrium	89-1	8189864	8002701	7871714	8021426	1.99	cps
Yttrium	89-2	2396019	2333419	2343657	2357698	1.42	cps
Zinc	66-2	2890	2987	2727	2868	4.58	cps
Zirconium	90-1	9243	9607	9450	9433	1.93	cps
Zirconium	91-1	2067	2040	2134	2080	2.31	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164349BL	Instrumnet Name :	P7
Client Sample ID :	PBS349	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:15:39	DataFile Name :	035CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	393	340	380	371	7.48	cps
Antimony	121-1	137	120	210	156	30.78	cps
Arsenic	75-2	7	7	3	6	34.70	cps
Barium	135-1	117	127	107	117	8.57	cps
Barium	137-1	193	163	200	186	10.52	cps
Beryllium	9-1	13	10	27	17	52.93	cps
Bismuth	209-1	3745036	3670363	3581579	3665659	2.23	cps
Bismuth	209-2	2771326	2791743	2825167	2796078	0.97	cps
Bromine	81-1	5004	5304	5444	5251	4.28	cps
Bromine	81-2	93	53	60	69	31.11	cps
Cadmium	108-1	0	7	3	3	100.05	cps
Cadmium	106-1	1133	1137	1257	1176	5.98	cps
Cadmium	111-1	807	821	904	844	6.23	cps
Calcium	43-1	210	190	223	208	8.08	cps
Calcium	44-1	11691	10984	11361	11346	3.12	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	610	587	530	576	7.15	cps
Cobalt	59-2	77	130	93	100	27.28	cps
Copper	63-2	1177	1177	1070	1141	5.40	cps
Dysprosium	156-1	140	130	107	126	13.62	cps
Dysprosium	156-2	53	23	50	42	38.95	cps
Erbium	164-1	43	30	27	33	26.45	cps
Erbium	164-2	17	37	27	27	37.50	cps
Gadolinium	160-1	10	20	40	23	65.47	cps
Gadolinium	160-2	140	177	170	162	12.04	cps
Holmium	165-1	5968473	5865914	5759085	5864490	1.79	cps
Holmium	165-2	3997454	3970518	3975169	3981047	0.36	cps
Indium	115-1	4899828	4797446	4751169	4816148	1.58	cps
Indium	115-2	1772340	1792941	1798961	1788081	0.78	cps
Iron	56-2	14634	14827	13046	14169	6.90	cps
Iron	57-2	2674	2830	2740	2748	2.86	cps
Iron	54-2	1457	1507	1450	1471	2.11	cps
Krypton	83-1	233	173	190	199	15.57	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164349BL	Instrumnet Name :	P7
Client Sample ID :	PBS349	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:15:39	DataFile Name :	035CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	490	443	367	433	14.37	cps
Lead	207-1	333	320	430	361	16.62	cps
Lead	208-1	1710	1597	1687	1665	3.60	cps
Lithium	6-1	578911	574891	560546	571449	1.69	cps
Magnesium	24-2	1000	993	990	994	0.51	cps
Manganese	55-2	570	540	513	541	5.24	cps
Molybdenum	94-1	243	247	247	246	0.78	cps
Molybdenum	95-1	227	197	240	221	10.04	cps
Molybdenum	96-1	217	253	203	224	11.54	cps
Molybdenum	97-1	163	143	163	157	7.37	cps
Molybdenum	98-1	343	340	367	350	4.15	cps
Neodymium	150-1	7	0	7	4	86.60	cps
Neodymium	150-2	7	0	3	3	100.05	cps
Nickel	60-2	77	130	63	90	39.20	cps
Phosphorus	31-2	73	167	127	122	38.31	cps
Potassium	39-2	79194	80391	79865	79817	0.75	cps
Rhodium	103-1	4561226	4544594	4424007	4509942	1.66	cps
Rhodium	103-2	2992054	2954806	2958385	2968415	0.69	cps
Scandium	45-1	2688670	2594902	2585177	2622916	2.18	cps
Scandium	45-2	293861	293157	292292	293103	0.27	cps
Selenium	82-1	181	280	242	234	21.15	cps
Selenium	77-2	7	3	0	3	100.05	cps
Selenium	78-2	313	297	337	316	6.37	cps
Silicon	28-1	171075	170752	171132	170986	0.12	cps
Silver	107-1	170	147	143	153	9.47	cps
Silver	109-1	123	137	137	132	5.82	cps
Sodium	23-2	38047	39070	39090	38735	1.54	cps
Strontium	86-1	463	560	477	500	10.48	cps
Strontium	88-1	1977	2014	2100	2030	3.12	cps
Sulfur	34-1	127526	128370	130051	128649	1.00	cps
Terbium	159-1	6169653	5986408	6003157	6053073	1.67	cps
Terbium	159-2	3952314	3875948	3965364	3931209	1.23	cps
Thallium	203-1	190	137	137	154	19.94	cps
Thallium	205-1	450	357	423	410	11.72	cps
Tin	118-1	1240	1293	1377	1303	5.29	cps
Titanium	47-1	160	167	133	153	11.50	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164349BL	Instrumnet Name :	P7
Client Sample ID :	PBS349	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:15:39	DataFile Name :	035CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	137	130	110	126	11.05	cps
Vanadium	51-2	23	33	30	29	17.63	cps
Yttrium	89-1	8010444	8024399	7881626	7972156	0.99	cps
Yttrium	89-2	2385684	2332751	2345320	2354585	1.17	cps
Zinc	66-2	350	340	377	356	5.33	cps
Zirconium	90-1	383	317	320	340	11.05	cps
Zirconium	91-1	60	47	50	52	13.28	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164349BS	Instrumnet Name :	P7
Client Sample ID :	LCS349	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:24:43	DataFile Name :	037LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6055	5741	5538	5778	4.51	cps
Antimony	121-1	20665	20712	21256	20877	1.57	cps
Arsenic	75-2	637	703	770	703	9.48	cps
Barium	135-1	24702	24434	24254	24463	0.92	cps
Barium	137-1	41865	42336	41547	41916	0.95	cps
Beryllium	9-1	1183	1207	1140	1177	2.88	cps
Bismuth	209-1	3588780	3522140	3367486	3492802	3.25	cps
Bismuth	209-2	2674925	2740940	2700338	2705401	1.23	cps
Bromine	81-1	5398	5304	5501	5401	1.82	cps
Bromine	81-2	63	77	73	71	9.76	cps
Cadmium	108-1	177	200	197	191	6.60	cps
Cadmium	106-1	1257	1313	1173	1248	5.64	cps
Cadmium	111-1	3643	3366	3397	3469	4.37	cps
Calcium	43-1	13616	13436	13363	13472	0.97	cps
Calcium	44-1	225557	227141	224916	225871	0.51	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12122	12035	12238	12132	0.84	cps
Cobalt	59-2	8156	8072	8056	8094	0.66	cps
Copper	63-2	12969	12642	12842	12818	1.29	cps
Dysprosium	156-1	103	143	180	142	26.96	cps
Dysprosium	156-2	20	30	50	33	45.83	cps
Erbium	164-1	43	23	33	33	30.00	cps
Erbium	164-2	20	13	30	21	39.75	cps
Gadolinium	160-1	17	23	27	22	22.91	cps
Gadolinium	160-2	150	200	190	180	14.70	cps
Holmium	165-1	5737277	5617828	5247339	5534148	4.62	cps
Holmium	165-2	3909364	3859514	3869103	3879327	0.68	cps
Indium	115-1	4879527	4731067	4458600	4689731	4.55	cps
Indium	115-2	1775448	1777902	1750836	1768062	0.85	cps
Iron	56-2	953086	948926	944442	948818	0.46	cps
Iron	57-2	26634	26954	26193	26594	1.44	cps
Iron	54-2	54505	53806	54070	54127	0.65	cps
Krypton	83-1	217	207	167	197	13.45	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164349BS	Instrumnet Name :	P7
Client Sample ID :	LCS349	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:24:43	DataFile Name :	037LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6892	6818	7012	6907	1.41	cps
Lead	207-1	6228	6342	6105	6225	1.90	cps
Lead	208-1	28359	28082	27845	28095	0.92	cps
Lithium	6-1	560682	558029	525845	548185	3.54	cps
Magnesium	24-2	247406	245347	246361	246371	0.42	cps
Manganese	55-2	4361	4291	4254	4302	1.26	cps
Molybdenum	94-1	21459	21763	21803	21675	0.87	cps
Molybdenum	95-1	25866	26474	26417	26253	1.28	cps
Molybdenum	96-1	28969	28922	29009	28967	0.15	cps
Molybdenum	97-1	16149	16363	16189	16234	0.70	cps
Molybdenum	98-1	41910	41963	41733	41869	0.29	cps
Neodymium	150-1	10	7	17	11	45.82	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	2350	2114	2084	2182	6.69	cps
Phosphorus	31-2	117	160	123	133	17.50	cps
Potassium	39-2	401849	401748	399746	401114	0.30	cps
Rhodium	103-1	4500749	4480449	4264838	4415345	2.96	cps
Rhodium	103-2	2965701	2969667	2937349	2957572	0.60	cps
Scandium	45-1	2650258	2619006	2473485	2580916	3.66	cps
Scandium	45-2	300057	300170	302329	300852	0.43	cps
Selenium	82-1	971	993	1069	1011	5.09	cps
Selenium	77-2	90	63	107	87	25.22	cps
Selenium	78-2	687	587	717	663	10.26	cps
Silicon	28-1	221410	220640	221715	221255	0.25	cps
Silver	107-1	11862	11935	12299	12032	1.95	cps
Silver	109-1	11451	11478	11625	11518	0.81	cps
Sodium	23-2	434263	431180	430015	431819	0.51	cps
Strontium	86-1	3674	3734	3661	3689	1.06	cps
Strontium	88-1	30548	30592	30799	30646	0.44	cps
Sulfur	34-1	135598	136395	134791	135595	0.59	cps
Terbium	159-1	6029389	5890420	5646788	5855532	3.31	cps
Terbium	159-2	3982001	3902968	3953723	3946231	1.01	cps
Thallium	203-1	8423	8266	8129	8273	1.78	cps
Thallium	205-1	19427	19608	18990	19342	1.64	cps
Tin	118-1	1247	1423	1420	1363	7.41	cps
Titanium	47-1	6562	6658	6692	6637	1.02	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164349BS	Instrumnet Name :	P7
Client Sample ID :	LCS349	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:24:43	DataFile Name :	037LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	24696	24309	25314	24773	2.05	cps
Vanadium	51-2	23632	23869	23522	23674	0.75	cps
Yttrium	89-1	7955995	7910643	7425985	7764208	3.78	cps
Yttrium	89-2	2376147	2383776	2342532	2367485	0.93	cps
Zinc	66-2	5094	5378	5378	5283	3.10	cps
Zirconium	90-1	18652	18071	17968	18230	2.02	cps
Zirconium	91-1	4031	3937	4011	3993	1.23	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164349BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD349	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:28:02	DataFile Name :	038LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3024	2990	3244	3086	4.46	cps
Antimony	121-1	10651	10274	10794	10573	2.54	cps
Arsenic	75-2	383	370	413	389	5.71	cps
Barium	135-1	12339	12212	12309	12287	0.54	cps
Barium	137-1	21440	21526	20969	21312	1.41	cps
Beryllium	9-1	520	530	567	539	4.56	cps
Bismuth	209-1	3646387	3589945	3489923	3575418	2.22	cps
Bismuth	209-2	2687177	2756237	2713508	2718974	1.28	cps
Bromine	81-1	5148	5134	5234	5172	1.05	cps
Bromine	81-2	67	43	50	53	22.54	cps
Cadmium	108-1	143	133	127	134	6.24	cps
Cadmium	106-1	1293	1263	1257	1271	1.54	cps
Cadmium	111-1	2589	2508	2314	2470	5.70	cps
Calcium	43-1	6662	6515	6768	6648	1.91	cps
Calcium	44-1	119560	117544	118290	118465	0.86	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6868	6508	6401	6593	3.71	cps
Cobalt	59-2	3897	4401	4117	4138	6.10	cps
Copper	63-2	7172	6802	6555	6843	4.54	cps
Dysprosium	156-1	143	110	167	140	20.34	cps
Dysprosium	156-2	47	43	50	47	7.15	cps
Erbium	164-1	33	33	40	36	10.83	cps
Erbium	164-2	23	13	17	18	28.64	cps
Gadolinium	160-1	33	13	33	27	43.31	cps
Gadolinium	160-2	133	133	173	147	15.75	cps
Holmium	165-1	5723170	5660625	5569103	5650966	1.37	cps
Holmium	165-2	3841709	3860315	3860353	3854125	0.28	cps
Indium	115-1	4808618	4643616	4791385	4747873	1.91	cps
Indium	115-2	1762352	1734056	1782257	1759555	1.38	cps
Iron	56-2	484764	479868	482642	482424	0.51	cps
Iron	57-2	15018	14614	14707	14780	1.43	cps
Iron	54-2	27859	28049	27893	27934	0.36	cps
Krypton	83-1	173	187	150	170	10.92	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164349BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD349	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:28:02	DataFile Name :	038LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3847	3877	3994	3906	1.98	cps
Lead	207-1	3257	3537	3257	3350	4.83	cps
Lead	208-1	15197	15857	15107	15387	2.66	cps
Lithium	6-1	558389	559061	544651	554034	1.47	cps
Magnesium	24-2	123918	123269	122886	123358	0.42	cps
Manganese	55-2	2604	2327	2630	2520	6.67	cps
Molybdenum	94-1	11014	11084	10691	10930	1.92	cps
Molybdenum	95-1	13350	13513	12966	13276	2.12	cps
Molybdenum	96-1	14707	14974	14474	14719	1.70	cps
Molybdenum	97-1	8306	8289	8172	8256	0.88	cps
Molybdenum	98-1	21429	20865	20862	21052	1.55	cps
Neodymium	150-1	3	7	3	4	43.40	cps
Neodymium	150-2	7	7	0	4	86.60	cps
Nickel	60-2	1120	1160	1187	1156	2.90	cps
Phosphorus	31-2	110	123	150	128	15.94	cps
Potassium	39-2	242953	239797	240710	241153	0.67	cps
Rhodium	103-1	4586561	4459097	4400514	4482057	2.12	cps
Rhodium	103-2	2965737	2911488	2954157	2943794	0.97	cps
Scandium	45-1	2614129	2554094	2593361	2587195	1.18	cps
Scandium	45-2	298450	292858	294432	295247	0.98	cps
Selenium	82-1	616	610	654	626	3.82	cps
Selenium	77-2	47	37	47	43	13.32	cps
Selenium	78-2	533	510	467	503	6.72	cps
Silicon	28-1	200323	197456	197641	198473	0.81	cps
Silver	107-1	5841	6061	5915	5939	1.89	cps
Silver	109-1	5688	5601	6035	5775	3.97	cps
Sodium	23-2	234780	233570	231285	233212	0.76	cps
Strontium	86-1	2334	2130	2107	2190	5.69	cps
Strontium	88-1	16569	16589	15965	16375	2.17	cps
Sulfur	34-1	133994	133951	135679	134541	0.73	cps
Terbium	159-1	5884468	5796103	5756390	5812320	1.13	cps
Terbium	159-2	3892228	3812707	3844666	3849867	1.04	cps
Thallium	203-1	4291	4131	4197	4206	1.91	cps
Thallium	205-1	10107	9810	9997	9971	1.51	cps
Tin	118-1	1563	1140	1443	1382	15.79	cps
Titanium	47-1	3284	3377	3367	3343	1.53	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164349BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD349	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:28:02	DataFile Name :	038LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	12376	12489	12379	12415	0.52	cps
Vanadium	51-2	12132	12252	11461	11948	3.57	cps
Yttrium	89-1	7956142	7938781	7824618	7906513	0.90	cps
Yttrium	89-2	2359405	2285785	2284921	2310037	1.85	cps
Zinc	66-2	2737	3067	3034	2946	6.17	cps
Zirconium	90-1	9520	9303	9073	9299	2.40	cps
Zirconium	91-1	2080	2114	1977	2057	3.47	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164427BL	Instrumnet Name :	P7
Client Sample ID :	PBS427	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:31:18	DataFile Name :	039CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	373	327	327	342	7.87	cps
Antimony	121-1	83	90	83	86	4.50	cps
Arsenic	75-2	3	7	3	4	43.40	cps
Barium	135-1	137	107	77	107	28.12	cps
Barium	137-1	153	150	190	164	13.50	cps
Beryllium	9-1	30	17	7	18	65.83	cps
Bismuth	209-1	3584180	3555439	3489590	3543069	1.37	cps
Bismuth	209-2	2721544	2721252	2637915	2693570	1.79	cps
Bromine	81-1	5214	5151	5158	5174	0.67	cps
Bromine	81-2	67	50	90	69	29.17	cps
Cadmium	108-1	0	10	0	3	173.21	cps
Cadmium	106-1	1087	1130	1007	1074	5.82	cps
Cadmium	111-1	774	794	715	761	5.42	cps
Calcium	43-1	193	250	233	226	12.91	cps
Calcium	44-1	10607	10934	11001	10847	1.94	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	663	570	530	588	11.64	cps
Cobalt	59-2	113	90	73	92	21.79	cps
Copper	63-2	940	997	1070	1002	6.50	cps
Dysprosium	156-1	137	113	137	129	10.45	cps
Dysprosium	156-2	27	27	50	34	39.10	cps
Erbium	164-1	53	33	33	40	28.87	cps
Erbium	164-2	20	23	33	26	27.15	cps
Gadolinium	160-1	20	20	17	19	10.18	cps
Gadolinium	160-2	153	133	157	148	8.54	cps
Holmium	165-1	5679135	5680278	5556883	5638765	1.26	cps
Holmium	165-2	3893999	3772243	3894571	3853604	1.83	cps
Indium	115-1	4742981	4683721	4754931	4727211	0.81	cps
Indium	115-2	1788454	1732785	1752356	1757865	1.61	cps
Iron	56-2	13449	12956	12352	12919	4.26	cps
Iron	57-2	2837	2910	3024	2924	3.22	cps
Iron	54-2	1520	1510	1323	1451	7.63	cps
Krypton	83-1	163	210	213	196	14.29	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164427BL	Instrumnet Name :	P7
Client Sample ID :	PBS427	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:31:18	DataFile Name :	039CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	367	313	363	348	8.59	cps
Lead	207-1	310	333	333	326	4.14	cps
Lead	208-1	1433	1347	1437	1406	3.63	cps
Lithium	6-1	553707	547141	538140	546329	1.43	cps
Magnesium	24-2	923	950	760	878	11.72	cps
Manganese	55-2	517	480	423	473	9.93	cps
Molybdenum	94-1	203	243	237	228	9.41	cps
Molybdenum	95-1	210	177	213	200	10.14	cps
Molybdenum	96-1	220	273	193	229	17.80	cps
Molybdenum	97-1	113	120	127	120	5.56	cps
Molybdenum	98-1	287	260	280	276	5.04	cps
Neodymium	150-1	10	20	10	13	43.30	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	100	87	67	84	19.87	cps
Phosphorus	31-2	120	157	83	120	30.56	cps
Potassium	39-2	82364	81369	80283	81339	1.28	cps
Rhodium	103-1	4455833	4485116	4398917	4446622	0.99	cps
Rhodium	103-2	2946788	2900083	2946086	2930986	0.91	cps
Scandium	45-1	2611271	2599205	2596290	2602255	0.31	cps
Scandium	45-2	297675	294761	295510	295982	0.51	cps
Selenium	82-1	221	138	214	191	23.99	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	380	387	373	380	1.76	cps
Silicon	28-1	177492	176175	176624	176764	0.38	cps
Silver	107-1	117	163	123	134	18.77	cps
Silver	109-1	127	100	70	99	28.67	cps
Sodium	23-2	37175	36600	36874	36883	0.78	cps
Strontium	86-1	447	550	450	482	12.18	cps
Strontium	88-1	1713	1757	1510	1660	7.93	cps
Sulfur	34-1	133097	133809	132851	133252	0.37	cps
Terbium	159-1	5900935	5859738	5806074	5855582	0.81	cps
Terbium	159-2	3929575	3834695	3855275	3873182	1.29	cps
Thallium	203-1	123	100	157	127	22.49	cps
Thallium	205-1	277	310	203	263	20.72	cps
Tin	118-1	1307	1283	1247	1279	2.37	cps
Titanium	47-1	127	107	107	113	10.19	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164427BL	Instrumnet Name :	P7
Client Sample ID :	PBS427	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:31:18	DataFile Name :	039CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	57	43	77	59	28.49	cps
Vanadium	51-2	33	17	30	27	33.06	cps
Yttrium	89-1	7981019	7860906	7807989	7883305	1.12	cps
Yttrium	89-2	2330713	2343380	2339533	2337875	0.28	cps
Zinc	66-2	420	383	427	410	5.69	cps
Zirconium	90-1	320	303	390	338	13.61	cps
Zirconium	91-1	90	63	70	74	18.64	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164427BS	Instrumnet Name :	P7
Client Sample ID :	LCS427	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:34:37	DataFile Name :	040LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6171	5858	5958	5996	2.67	cps
Antimony	121-1	20668	20799	21039	20835	0.90	cps
Arsenic	75-2	750	767	693	737	5.22	cps
Barium	135-1	24969	24291	24381	24547	1.50	cps
Barium	137-1	41387	43667	42125	42393	2.74	cps
Beryllium	9-1	1107	1170	1177	1151	3.36	cps
Bismuth	209-1	3597645	3578374	3537478	3571166	0.86	cps
Bismuth	209-2	2724374	2677214	2647311	2682966	1.45	cps
Bromine	81-1	5218	5368	5354	5313	1.56	cps
Bromine	81-2	77	60	80	72	14.84	cps
Cadmium	108-1	277	253	243	258	6.63	cps
Cadmium	106-1	1400	1270	1253	1308	6.14	cps
Cadmium	111-1	3980	3892	3871	3914	1.48	cps
Calcium	43-1	13036	13319	13443	13266	1.57	cps
Calcium	44-1	223421	224879	226868	225056	0.77	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12419	12862	12328	12536	2.28	cps
Cobalt	59-2	8412	8286	8242	8313	1.06	cps
Copper	63-2	12605	12669	12719	12664	0.45	cps
Dysprosium	156-1	147	137	180	154	14.69	cps
Dysprosium	156-2	47	30	23	33	36.07	cps
Erbium	164-1	73	27	57	52	45.28	cps
Erbium	164-2	33	23	23	27	21.65	cps
Gadolinium	160-1	33	33	37	34	5.60	cps
Gadolinium	160-2	150	143	143	146	2.64	cps
Holmium	165-1	5662817	5595829	5637653	5632100	0.60	cps
Holmium	165-2	3926902	3848400	3776571	3850624	1.95	cps
Indium	115-1	4803297	4762258	4650925	4738827	1.66	cps
Indium	115-2	1766398	1761069	1744100	1757189	0.66	cps
Iron	56-2	965442	960832	949330	958535	0.87	cps
Iron	57-2	27168	26300	26143	26537	2.08	cps
Iron	54-2	54578	54679	52819	54025	1.94	cps
Krypton	83-1	187	230	210	209	10.38	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164427BS	Instrumnet Name :	P7
Client Sample ID :	LCS427	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:34:37	DataFile Name :	040LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	7419	7302	7102	7274	2.20	cps
Lead	207-1	6315	6485	6055	6285	3.45	cps
Lead	208-1	28825	29323	28455	28868	1.51	cps
Lithium	6-1	552594	522875	539100	538190	2.76	cps
Magnesium	24-2	248999	249361	245186	247849	0.93	cps
Manganese	55-2	4481	4437	4427	4448	0.64	cps
Molybdenum	94-1	21232	21509	21890	21544	1.53	cps
Molybdenum	95-1	25796	25940	26003	25913	0.41	cps
Molybdenum	96-1	28765	28421	29169	28785	1.30	cps
Molybdenum	97-1	16673	15969	16293	16311	2.16	cps
Molybdenum	98-1	41816	42492	41368	41892	1.35	cps
Neodymium	150-1	10	0	17	9	94.38	cps
Neodymium	150-2	7	3	0	3	100.05	cps
Nickel	60-2	2280	2274	2400	2318	3.08	cps
Phosphorus	31-2	130	133	113	126	8.54	cps
Potassium	39-2	406060	403986	399730	403259	0.80	cps
Rhodium	103-1	4478993	4483818	4432727	4465179	0.63	cps
Rhodium	103-2	3019319	2957052	2888504	2954958	2.21	cps
Scandium	45-1	2609911	2540220	2577707	2575946	1.35	cps
Scandium	45-2	301982	299805	296088	299292	1.00	cps
Selenium	82-1	1011	1000	1030	1013	1.49	cps
Selenium	77-2	143	110	77	110	30.30	cps
Selenium	78-2	673	730	643	682	6.45	cps
Silicon	28-1	221035	222365	222168	221856	0.32	cps
Silver	107-1	11551	11935	12182	11889	2.67	cps
Silver	109-1	11271	11521	11204	11332	1.47	cps
Sodium	23-2	437412	435301	429594	434102	0.93	cps
Strontium	86-1	3464	3941	3727	3711	6.44	cps
Strontium	88-1	30802	30933	30792	30842	0.25	cps
Sulfur	34-1	133621	134465	135860	134649	0.84	cps
Terbium	159-1	5854218	5757930	5836061	5816069	0.88	cps
Terbium	159-2	3914516	3876418	3817721	3869552	1.26	cps
Thallium	203-1	8513	8710	8119	8447	3.56	cps
Thallium	205-1	19628	19691	20011	19777	1.04	cps
Tin	118-1	1417	1387	1290	1365	4.85	cps
Titanium	47-1	6655	6571	6498	6575	1.19	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164427BS	Instrumnet Name :	P7
Client Sample ID :	LCS427	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:34:37	DataFile Name :	040LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	25571	25408	24994	25324	1.18	cps
Vanadium	51-2	24273	23649	24223	24048	1.44	cps
Yttrium	89-1	8033886	7741412	7804354	7859884	1.96	cps
Yttrium	89-2	2360888	2315145	2297555	2324529	1.41	cps
Zinc	66-2	5331	5378	5478	5395	1.39	cps
Zirconium	90-1	18185	18986	17978	18383	2.90	cps
Zirconium	91-1	3981	3934	4194	4036	3.44	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164427BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD427	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:37:54	DataFile Name :	041LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3117	3217	3137	3157	1.68	cps
Antimony	121-1	10711	10474	10397	10527	1.55	cps
Arsenic	75-2	383	337	380	367	7.10	cps
Barium	135-1	12109	12405	12432	12315	1.46	cps
Barium	137-1	21350	21526	21306	21394	0.55	cps
Beryllium	9-1	673	740	560	658	13.83	cps
Bismuth	209-1	3595939	3600705	3467945	3554863	2.12	cps
Bismuth	209-2	2733676	2678692	2633405	2681924	1.87	cps
Bromine	81-1	5411	5408	5391	5403	0.20	cps
Bromine	81-2	53	67	47	56	18.33	cps
Cadmium	108-1	103	123	90	106	15.90	cps
Cadmium	106-1	1343	1230	1327	1300	4.71	cps
Cadmium	111-1	2358	2351	2452	2387	2.37	cps
Calcium	43-1	6558	6782	6728	6689	1.74	cps
Calcium	44-1	118015	119745	119204	118988	0.74	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6385	6725	6702	6604	2.88	cps
Cobalt	59-2	4081	4184	4211	4158	1.65	cps
Copper	63-2	6782	6905	6872	6853	0.93	cps
Dysprosium	156-1	100	120	120	113	10.19	cps
Dysprosium	156-2	33	40	37	37	9.10	cps
Erbium	164-1	47	57	37	47	21.43	cps
Erbium	164-2	30	17	23	23	28.56	cps
Gadolinium	160-1	23	40	37	33	26.47	cps
Gadolinium	160-2	163	150	193	169	13.14	cps
Holmium	165-1	5768597	5716593	5412653	5632614	3.41	cps
Holmium	165-2	3841747	3821235	3840032	3834338	0.30	cps
Indium	115-1	4728676	4691614	4562190	4660826	1.88	cps
Indium	115-2	1773616	1760337	1763905	1765953	0.39	cps
Iron	56-2	491381	491283	485457	489374	0.69	cps
Iron	57-2	14897	14824	14684	14802	0.73	cps
Iron	54-2	28911	28076	27388	28125	2.71	cps
Krypton	83-1	200	170	177	182	8.64	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164427BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD427	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:37:54	DataFile Name :	041LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3994	3751	3621	3788	5.00	cps
Lead	207-1	3360	3234	3280	3292	1.95	cps
Lead	208-1	15133	15167	14860	15053	1.12	cps
Lithium	6-1	546800	547530	537456	543929	1.03	cps
Magnesium	24-2	126609	124315	124220	125048	1.08	cps
Manganese	55-2	2470	2840	2680	2664	6.97	cps
Molybdenum	94-1	10827	10878	10958	10887	0.60	cps
Molybdenum	95-1	12856	13089	13610	13185	2.93	cps
Molybdenum	96-1	14621	14534	14310	14488	1.11	cps
Molybdenum	97-1	8246	8316	8109	8223	1.28	cps
Molybdenum	98-1	21723	21296	21002	21340	1.70	cps
Neodymium	150-1	10	7	7	8	24.71	cps
Neodymium	150-2	3	0	3	2	86.60	cps
Nickel	60-2	1153	1190	1283	1209	5.54	cps
Phosphorus	31-2	173	157	137	156	11.80	cps
Potassium	39-2	246112	245743	243575	245143	0.56	cps
Rhodium	103-1	4506486	4435113	4329194	4423597	2.02	cps
Rhodium	103-2	2977035	2958754	2911172	2948987	1.15	cps
Scandium	45-1	2618684	2617731	2559195	2598537	1.31	cps
Scandium	45-2	301545	298806	299116	299822	0.50	cps
Selenium	82-1	630	686	691	669	5.09	cps
Selenium	77-2	60	47	70	59	19.88	cps
Selenium	78-2	443	463	470	459	3.02	cps
Silicon	28-1	203005	197719	200515	200413	1.32	cps
Silver	107-1	5871	5881	6391	6048	4.92	cps
Silver	109-1	5511	5654	5664	5610	1.53	cps
Sodium	23-2	234665	236575	234336	235192	0.51	cps
Strontium	86-1	2230	1990	2104	2108	5.70	cps
Strontium	88-1	16583	16376	16589	16516	0.74	cps
Sulfur	34-1	135265	136005	135585	135618	0.27	cps
Terbium	159-1	5891960	5927392	5731510	5850287	1.78	cps
Terbium	159-2	3864870	3810379	3790701	3821983	1.01	cps
Thallium	203-1	4287	4217	4397	4301	2.11	cps
Thallium	205-1	10484	10101	9907	10164	2.89	cps
Tin	118-1	1460	1420	1247	1376	8.24	cps
Titanium	47-1	3204	3357	3280	3280	2.34	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164427BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD427	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:37:54	DataFile Name :	041LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13026	12896	12299	12741	3.04	cps
Vanadium	51-2	12002	12462	11584	12016	3.65	cps
Yttrium	89-1	8059758	7926342	7743727	7909942	2.01	cps
Yttrium	89-2	2385080	2340315	2342027	2355807	1.08	cps
Zinc	66-2	3070	3034	3010	3038	1.00	cps
Zirconium	90-1	9076	8999	9283	9120	1.61	cps
Zirconium	91-1	2104	2037	2040	2060	1.82	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164345BS	Instrumnet Name :	P7
Client Sample ID :	LCS345	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:41:13	DataFile Name :	042LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5684	5671	5868	5741	1.91	cps
Antimony	121-1	21046	20819	20461	20775	1.42	cps
Arsenic	75-2	747	640	737	708	8.32	cps
Barium	135-1	23933	23519	24297	23917	1.63	cps
Barium	137-1	41912	42236	41163	41770	1.32	cps
Beryllium	9-1	1257	1157	1170	1195	4.55	cps
Bismuth	209-1	3604014	3557811	3544783	3568869	0.87	cps
Bismuth	209-2	2738505	2679878	2710537	2709640	1.08	cps
Bromine	81-1	5201	5138	5084	5141	1.14	cps
Bromine	81-2	83	63	70	72	14.10	cps
Cadmium	108-1	173	190	180	181	4.63	cps
Cadmium	106-1	1433	1287	1357	1359	5.40	cps
Cadmium	111-1	3452	3441	3454	3449	0.20	cps
Calcium	43-1	12982	12899	12745	12876	0.93	cps
Calcium	44-1	221410	223040	223696	222715	0.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	11788	11785	12025	11866	1.16	cps
Cobalt	59-2	8042	8039	7842	7974	1.44	cps
Copper	63-2	12359	12399	12602	12453	1.05	cps
Dysprosium	156-1	103	143	140	129	17.22	cps
Dysprosium	156-2	53	53	63	57	10.19	cps
Erbium	164-1	60	53	40	51	19.92	cps
Erbium	164-2	30	17	37	28	36.66	cps
Gadolinium	160-1	27	37	30	31	16.37	cps
Gadolinium	160-2	140	163	190	164	15.21	cps
Holmium	165-1	5802339	5709407	5659805	5723850	1.26	cps
Holmium	165-2	3903645	3811399	3867921	3860988	1.20	cps
Indium	115-1	4839779	4745123	4620024	4734975	2.33	cps
Indium	115-2	1785755	1778835	1739520	1768037	1.41	cps
Iron	56-2	943315	940909	938850	941025	0.24	cps
Iron	57-2	26089	26256	25996	26114	0.51	cps
Iron	54-2	54679	53160	53063	53634	1.69	cps
Krypton	83-1	157	150	160	156	3.27	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164345BS	Instrumnet Name :	P7
Client Sample ID :	LCS345	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:41:13	DataFile Name :	042LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6912	6778	6805	6832	1.03	cps
Lead	207-1	6295	6268	6428	6330	1.35	cps
Lead	208-1	28308	27968	28225	28167	0.63	cps
Lithium	6-1	541442	549005	538373	542940	1.01	cps
Magnesium	24-2	241632	243450	240682	241921	0.58	cps
Manganese	55-2	4714	4767	4451	4644	3.65	cps
Molybdenum	94-1	21416	21142	20968	21175	1.07	cps
Molybdenum	95-1	25639	25355	25522	25506	0.56	cps
Molybdenum	96-1	28428	28575	28444	28482	0.28	cps
Molybdenum	97-1	15702	16306	15979	15996	1.89	cps
Molybdenum	98-1	41482	41659	41419	41520	0.30	cps
Neodymium	150-1	10	3	17	10	66.70	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	2104	2147	2310	2187	4.98	cps
Phosphorus	31-2	117	130	110	119	8.57	cps
Potassium	39-2	402478	394808	397038	398108	0.99	cps
Rhodium	103-1	4500047	4524294	4460097	4494813	0.72	cps
Rhodium	103-2	2906066	2911049	2933366	2916827	0.50	cps
Scandium	45-1	2620982	2593403	2618208	2610864	0.58	cps
Scandium	45-2	300152	296462	297500	298038	0.64	cps
Selenium	82-1	1113	1112	1098	1107	0.73	cps
Selenium	77-2	90	97	70	86	16.22	cps
Selenium	78-2	607	687	550	614	11.17	cps
Silicon	28-1	218196	220352	220731	219760	0.62	cps
Silver	107-1	11765	11448	11585	11599	1.37	cps
Silver	109-1	11031	11341	11258	11210	1.43	cps
Sodium	23-2	427417	426096	423857	425790	0.42	cps
Strontium	86-1	3797	3851	3737	3795	1.49	cps
Strontium	88-1	30589	30685	30598	30624	0.17	cps
Sulfur	34-1	134623	134647	135864	135045	0.53	cps
Terbium	159-1	6007382	5928612	5802713	5912902	1.75	cps
Terbium	159-2	3807393	3846600	3843821	3832605	0.57	cps
Thallium	203-1	8223	8186	8159	8189	0.39	cps
Thallium	205-1	20032	19137	19200	19456	2.57	cps
Tin	118-1	1340	1620	1363	1441	10.78	cps
Titanium	47-1	6428	6508	6318	6418	1.49	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164345BS	Instrumnet Name :	P7
Client Sample ID :	LCS345	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:41:13	DataFile Name :	042LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	25174	24756	24362	24764	1.64	cps
Vanadium	51-2	23662	23989	23352	23668	1.35	cps
Yttrium	89-1	8032924	7860384	7903764	7932357	1.13	cps
Yttrium	89-2	2319775	2321568	2325431	2322258	0.12	cps
Zinc	66-2	5278	4941	5298	5172	3.88	cps
Zirconium	90-1	17727	17848	17888	17821	0.47	cps
Zirconium	91-1	4054	3874	3794	3907	3.41	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04	Instrumnet Name :	P7
Client Sample ID :	MYE453	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:44:30	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5691711	5582658	5598346	5624238	1.05	cps
Antimony	121-1	16256	16196	16700	16384	1.68	cps
Arsenic	75-2	82829	83533	82045	82803	0.90	cps
Barium	135-1	735586	742255	743946	740596	0.60	cps
Barium	137-1	1269890	1278249	1276855	1274998	0.35	cps
Beryllium	9-1	857	947	890	898	5.07	cps
Bismuth	209-1	3512670	3550402	3470630	3511234	1.14	cps
Bismuth	209-2	2641259	2648463	2676444	2655389	0.70	cps
Bromine	81-1	6748	7102	7158	7003	3.17	cps
Bromine	81-2	613	663	633	637	3.95	cps
Cadmium	108-1	300	283	243	276	10.57	cps
Cadmium	106-1	1840	1700	1503	1681	10.06	cps
Cadmium	111-1	3922	4029	3922	3958	1.56	cps
Calcium	43-1	183503	185219	186009	184910	0.69	cps
Calcium	44-1	2899924	2907894	2942961	2916926	0.78	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	247924	245071	245046	246014	0.67	cps
Cobalt	59-2	198384	196615	195359	196786	0.77	cps
Copper	63-2	966917	960988	960904	962937	0.36	cps
Dysprosium	156-1	38038	39007	38717	38587	1.29	cps
Dysprosium	156-2	33898	35040	34228	34389	1.71	cps
Erbium	164-1	30303	30867	30293	30488	1.08	cps
Erbium	164-2	20532	20993	21240	20921	1.72	cps
Gadolinium	160-1	36678	36571	36431	36560	0.34	cps
Gadolinium	160-2	26682	26425	27240	26782	1.56	cps
Holmium	165-1	5618629	5550460	5623871	5597653	0.73	cps
Holmium	165-2	3876861	3900690	3831568	3869706	0.91	cps
Indium	115-1	4588910	4564965	4463365	4539080	1.47	cps
Indium	115-2	1714612	1643213	1661194	1673006	2.22	cps
Iron	56-2	210653390	210130384	207821990	209535255	0.72	cps
Iron	57-2	5251880	5199207	5224003	5225030	0.50	cps
Iron	54-2	11736312	11664826	11647209	11682782	0.40	cps
Krypton	83-1	253	203	247	234	11.58	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04	Instrumnet Name :	P7
Client Sample ID :	MYE453	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:44:30	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	339349	340426	341697	340491	0.35	cps
Lead	207-1	291625	297987	297669	295760	1.21	cps
Lead	208-1	1331398	1354941	1357607	1347982	1.07	cps
Lithium	6-1	531391	533128	550057	538192	1.92	cps
Magnesium	24-2	4510943	4388036	4407789	4435590	1.49	cps
Manganese	55-2	6340896	6355754	6287609	6328086	0.57	cps
Molybdenum	94-1	46731	48022	48444	47732	1.87	cps
Molybdenum	95-1	5991	5885	6155	6010	2.26	cps
Molybdenum	96-1	15578	15875	15962	15805	1.27	cps
Molybdenum	97-1	3897	3737	3680	3772	2.98	cps
Molybdenum	98-1	9336	9573	9753	9554	2.19	cps
Neodymium	150-1	72478	73551	74650	73559	1.48	cps
Neodymium	150-2	44142	43216	43878	43746	1.09	cps
Nickel	60-2	83873	84168	84688	84243	0.49	cps
Phosphorus	31-2	27749	27084	28002	27612	1.72	cps
Potassium	39-2	4231579	4167455	4180777	4193270	0.81	cps
Rhodium	103-1	4305982	4337791	4217257	4287010	1.46	cps
Rhodium	103-2	2832131	2780602	2782479	2798404	1.04	cps
Scandium	45-1	2748594	2653453	2660838	2687628	1.97	cps
Scandium	45-2	303456	302215	303017	302896	0.21	cps
Selenium	82-1	407	467	369	415	11.88	cps
Selenium	77-2	160	137	170	156	11.00	cps
Selenium	78-2	500	473	460	478	4.26	cps
Silicon	28-1	12230044	12436569	12275386	12314000	0.88	cps
Silver	107-1	6448	6038	5798	6095	5.40	cps
Silver	109-1	5861	5731	5538	5710	2.85	cps
Sodium	23-2	133466	133150	133916	133511	0.29	cps
Strontium	86-1	190990	194193	194650	193277	1.03	cps
Strontium	88-1	1735447	1776057	1759895	1757133	1.16	cps
Sulfur	34-1	130445	125197	118552	124731	4.78	cps
Terbium	159-1	5753798	5864658	5788329	5802262	0.98	cps
Terbium	159-2	3830170	3811130	3874164	3838488	0.84	cps
Thallium	203-1	1807	1923	1970	1900	4.43	cps
Thallium	205-1	4434	4291	4808	4511	5.92	cps
Tin	118-1	10384	10811	10931	10709	2.68	cps
Titanium	47-1	694514	702717	698267	698499	0.59	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04	Instrumnet Name :	P7
Client Sample ID :	MYE453	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:44:30	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	20669	20877	20933	20826	0.67	cps
Vanadium	51-2	402660	400105	401113	401293	0.32	cps
Yttrium	89-1	8188560	8293887	8131160	8204536	1.01	cps
Yttrium	89-2	2386450	2383206	2387249	2385635	0.09	cps
Zinc	66-2	158605	158309	160449	159121	0.73	cps
Zirconium	90-1	118211	119464	118510	118729	0.55	cps
Zirconium	91-1	26163	27165	26932	26753	1.96	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-05	Instrumnet Name :	P7
Client Sample ID :	MYE453D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:47:40	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5742397	5721916	5683772	5716028	0.52	cps
Antimony	121-1	16503	16830	17077	16803	1.71	cps
Arsenic	75-2	76529	76941	75340	76270	1.09	cps
Barium	135-1	708333	715459	721790	715194	0.94	cps
Barium	137-1	1216239	1235583	1237579	1229800	0.96	cps
Beryllium	9-1	910	900	927	912	1.48	cps
Bismuth	209-1	3598665	3550777	3228462	3459301	5.82	cps
Bismuth	209-2	2707641	2651673	2736487	2698600	1.60	cps
Bromine	81-1	6915	7285	6872	7024	3.24	cps
Bromine	81-2	570	643	597	603	6.15	cps
Cadmium	108-1	273	277	263	271	2.56	cps
Cadmium	106-1	1610	1470	1453	1511	5.69	cps
Cadmium	111-1	3849	3622	3897	3789	3.87	cps
Calcium	43-1	180676	182946	184323	182648	1.01	cps
Calcium	44-1	2823955	2885417	2894913	2868095	1.34	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	254365	251372	252284	252674	0.61	cps
Cobalt	59-2	196573	195331	195826	195910	0.32	cps
Copper	63-2	975112	970965	968259	971446	0.36	cps
Dysprosium	156-1	39011	39750	39890	39550	1.19	cps
Dysprosium	156-2	34830	34683	34653	34722	0.27	cps
Erbium	164-1	30717	31399	30944	31020	1.12	cps
Erbium	164-2	21219	20806	21106	21044	1.02	cps
Gadolinium	160-1	36765	37273	37480	37173	0.99	cps
Gadolinium	160-2	26468	27824	26669	26987	2.71	cps
Holmium	165-1	5684548	5709902	5310418	5568289	4.02	cps
Holmium	165-2	3893084	3849944	3916322	3886450	0.87	cps
Indium	115-1	4627929	4592053	4151845	4457276	5.95	cps
Indium	115-2	1725571	1686264	1695555	1702463	1.21	cps
Iron	56-2	213361810	212166564	210632124	212053499	0.65	cps
Iron	57-2	5269544	5289831	5247264	5268880	0.40	cps
Iron	54-2	11884776	11819786	11664491	11789684	0.96	cps
Krypton	83-1	183	263	217	221	18.17	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-05	Instrumnet Name :	P7
Client Sample ID :	MYE453D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:47:40	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	342533	345554	347270	345119	0.69	cps
Lead	207-1	295813	299382	302515	299237	1.12	cps
Lead	208-1	1348024	1366331	1369366	1361240	0.85	cps
Lithium	6-1	575438	569634	535778	560283	3.82	cps
Magnesium	24-2	4481352	4485945	4457811	4475036	0.34	cps
Manganese	55-2	5925849	5914752	5863198	5901267	0.57	cps
Molybdenum	94-1	46754	47279	46664	46899	0.71	cps
Molybdenum	95-1	5898	6055	6041	5998	1.45	cps
Molybdenum	96-1	15018	15999	15395	15471	3.20	cps
Molybdenum	97-1	3617	3841	3834	3764	3.38	cps
Molybdenum	98-1	9373	9470	10047	9630	3.78	cps
Neodymium	150-1	74124	75906	75531	75187	1.25	cps
Neodymium	150-2	44905	44320	44142	44456	0.90	cps
Nickel	60-2	85536	86219	85003	85586	0.71	cps
Phosphorus	31-2	28112	27562	26957	27544	2.10	cps
Potassium	39-2	4288577	4275337	4225546	4263153	0.78	cps
Rhodium	103-1	4237468	4277015	3886814	4133766	5.20	cps
Rhodium	103-2	2859221	2839027	2803867	2834038	0.99	cps
Scandium	45-1	2659927	2653761	2439557	2584415	4.86	cps
Scandium	45-2	307102	302911	301458	303823	0.96	cps
Selenium	82-1	475	355	406	412	14.57	cps
Selenium	77-2	130	153	150	144	8.74	cps
Selenium	78-2	540	443	523	502	10.29	cps
Silicon	28-1	11762477	11651501	11738213	11717397	0.50	cps
Silver	107-1	5568	5708	5725	5667	1.52	cps
Silver	109-1	5278	5484	5604	5456	3.03	cps
Sodium	23-2	134357	135618	135701	135225	0.56	cps
Strontium	86-1	190490	192564	192209	191754	0.58	cps
Strontium	88-1	1713631	1739333	1743354	1732106	0.93	cps
Sulfur	34-1	112836	111734	108146	110905	2.21	cps
Terbium	159-1	5836455	5963951	5344065	5714824	5.73	cps
Terbium	159-2	3898537	3841455	3864119	3868037	0.74	cps
Thallium	203-1	1910	1927	1877	1905	1.34	cps
Thallium	205-1	4467	4651	4467	4529	2.34	cps
Tin	118-1	9200	9156	9360	9239	1.16	cps
Titanium	47-1	693161	700707	704149	699339	0.80	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-05	Instrumnet Name :	P7
Client Sample ID :	MYE453D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:47:40	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	20790	21491	20843	21041	1.86	cps
Vanadium	51-2	410627	406574	402881	406694	0.95	cps
Yttrium	89-1	8103447	8140942	7562335	7935574	4.08	cps
Yttrium	89-2	2418972	2374386	2389759	2394373	0.95	cps
Zinc	66-2	157086	155416	155332	155945	0.63	cps
Zirconium	90-1	117839	118298	119767	118635	0.85	cps
Zirconium	91-1	26103	26815	26421	26446	1.35	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04LX5	Instrumnet Name :	P7
Client Sample ID :	MYE453L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 14:50:49	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1019527	1018162	1018441	1018710	0.07	cps
Antimony	121-1	3137	3014	2934	3028	3.38	cps
Arsenic	75-2	15231	14854	14394	14826	2.83	cps
Barium	135-1	132466	136520	135686	134891	1.59	cps
Barium	137-1	230140	230398	232718	231085	0.61	cps
Beryllium	9-1	190	167	193	183	7.93	cps
Bismuth	209-1	3594961	3583826	3517311	3565366	1.18	cps
Bismuth	209-2	2674717	2695514	2446785	2605672	5.30	cps
Bromine	81-1	5268	5234	5408	5303	1.73	cps
Bromine	81-2	157	133	167	152	11.24	cps
Cadmium	108-1	70	50	53	58	18.55	cps
Cadmium	106-1	1073	1083	1127	1094	2.59	cps
Cadmium	111-1	1169	1313	1358	1280	7.72	cps
Calcium	43-1	33023	33991	33273	33429	1.50	cps
Calcium	44-1	547238	559294	561724	556085	1.40	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	44539	44275	45208	44674	1.08	cps
Cobalt	59-2	35585	35799	35088	35491	1.03	cps
Copper	63-2	176160	176023	178217	176800	0.70	cps
Dysprosium	156-1	7028	7195	6932	7052	1.89	cps
Dysprosium	156-2	6365	6271	6665	6434	3.20	cps
Erbium	164-1	5418	5695	5551	5554	2.49	cps
Erbium	164-2	3984	3907	3804	3898	2.32	cps
Gadolinium	160-1	6998	6932	6932	6954	0.55	cps
Gadolinium	160-2	4874	4811	5061	4915	2.64	cps
Holmium	165-1	5748257	5584544	5636052	5656284	1.48	cps
Holmium	165-2	3908296	3893351	3551037	3784228	5.34	cps
Indium	115-1	4586589	4578952	4560026	4575189	0.30	cps
Indium	115-2	1715187	1739065	1546088	1666780	6.31	cps
Iron	56-2	37949840	38195953	37773695	37973163	0.56	cps
Iron	57-2	965730	967238	968470	967146	0.14	cps
Iron	54-2	2123570	2124830	2108172	2118857	0.44	cps
Krypton	83-1	213	160	220	198	16.63	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04LX5	Instrumnet Name :	P7
Client Sample ID :	MYE453L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 14:50:49	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	63306	64519	63762	63862	0.96	cps
Lead	207-1	54556	55118	55168	54947	0.62	cps
Lead	208-1	248817	251927	252628	251124	0.81	cps
Lithium	6-1	561497	563484	568380	564454	0.63	cps
Magnesium	24-2	806804	807940	806647	807130	0.09	cps
Manganese	55-2	1142583	1142445	1139360	1141463	0.16	cps
Molybdenum	94-1	8202	8546	8446	8398	2.10	cps
Molybdenum	95-1	1177	1240	1180	1199	2.97	cps
Molybdenum	96-1	2747	3047	2870	2888	5.22	cps
Molybdenum	97-1	743	623	767	711	10.82	cps
Molybdenum	98-1	1930	1810	2027	1922	5.65	cps
Neodymium	150-1	13220	13680	13206	13369	2.02	cps
Neodymium	150-2	8179	8032	7979	8063	1.29	cps
Nickel	60-2	15111	15438	15325	15291	1.09	cps
Phosphorus	31-2	4814	4991	5231	5012	4.17	cps
Potassium	39-2	856004	855856	856556	856139	0.04	cps
Rhodium	103-1	4330825	4331597	4214502	4292308	1.57	cps
Rhodium	103-2	2872924	2800270	2610328	2761174	4.91	cps
Scandium	45-1	2524916	2547100	2489293	2520437	1.16	cps
Scandium	45-2	285291	285480	260474	277082	5.19	cps
Selenium	82-1	279	273	270	274	1.69	cps
Selenium	77-2	17	30	30	26	30.11	cps
Selenium	78-2	403	370	383	386	4.35	cps
Silicon	28-1	2342619	2388214	2385681	2372172	1.08	cps
Silver	107-1	1027	1117	1053	1066	4.34	cps
Silver	109-1	1040	1037	983	1020	3.12	cps
Sodium	23-2	54436	53753	53526	53905	0.88	cps
Strontium	86-1	34804	35730	34794	35110	1.53	cps
Strontium	88-1	300147	305974	305015	303712	1.03	cps
Sulfur	34-1	99477	99222	98511	99070	0.51	cps
Terbium	159-1	5840285	5859250	5837657	5845731	0.20	cps
Terbium	159-2	3843934	3901072	3519505	3754837	5.48	cps
Thallium	203-1	413	467	387	422	9.65	cps
Thallium	205-1	1080	1070	1027	1059	2.68	cps
Tin	118-1	3017	2854	2644	2838	6.60	cps
Titanium	47-1	121980	124231	123805	123339	0.97	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04LX5	Instrumnet Name :	P7
Client Sample ID :	MYE453L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 14:50:49	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3774	3824	3941	3846	2.22	cps
Vanadium	51-2	71763	72128	71873	71921	0.26	cps
Yttrium	89-1	7729300	7778793	7637177	7715090	0.93	cps
Yttrium	89-2	2266728	2287301	2106414	2220148	4.46	cps
Zinc	66-2	30398	30438	29950	30262	0.89	cps
Zirconium	90-1	20324	21169	21039	20844	2.18	cps
Zirconium	91-1	4604	4611	4694	4636	1.08	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-06	Instrumnet Name :	P7
Client Sample ID :	MYE453S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:54:06	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5721453	5658851	5713854	5698052	0.60	cps
Antimony	121-1	392309	400936	399821	397689	1.18	cps
Arsenic	75-2	90651	91701	91490	91281	0.61	cps
Barium	135-1	2822802	2869546	2946526	2879625	2.17	cps
Barium	137-1	4865748	5000785	4965095	4943876	1.42	cps
Beryllium	9-1	23020	23501	23548	23357	1.25	cps
Bismuth	209-1	3687782	3567530	3522431	3592581	2.38	cps
Bismuth	209-2	2687130	2722265	2726093	2711829	0.79	cps
Bromine	81-1	6908	7068	7042	7006	1.22	cps
Bromine	81-2	610	483	543	546	11.61	cps
Cadmium	108-1	3084	3294	3310	3229	3.91	cps
Cadmium	106-1	5644	5741	5634	5673	1.04	cps
Cadmium	111-1	48805	48779	49322	48969	0.62	cps
Calcium	43-1	178207	179269	181843	179773	1.04	cps
Calcium	44-1	2754105	2896102	2826846	2825684	2.51	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	654300	645939	644371	648203	0.82	cps
Cobalt	59-2	1733396	1708330	1716880	1719535	0.74	cps
Copper	63-2	1463980	1460227	1462814	1462340	0.13	cps
Dysprosium	156-1	38178	39088	39325	38864	1.56	cps
Dysprosium	156-2	34683	34683	35060	34809	0.63	cps
Erbium	164-1	30199	30921	31108	30743	1.56	cps
Erbium	164-2	21179	21083	21216	21159	0.33	cps
Gadolinium	160-1	37012	37330	37828	37390	1.10	cps
Gadolinium	160-2	26735	26926	26769	26810	0.38	cps
Holmium	165-1	5894184	5788042	5819953	5834060	0.93	cps
Holmium	165-2	3942934	3924805	3992478	3953406	0.89	cps
Indium	115-1	4719077	4570301	4539040	4609473	2.09	cps
Indium	115-2	1709206	1718709	1706240	1711385	0.38	cps
Iron	56-2	213119543	212560390	212125570	212601835	0.23	cps
Iron	57-2	5189869	5188504	5188658	5189010	0.01	cps
Iron	54-2	11714679	11636515	11608949	11653381	0.47	cps
Krypton	83-1	220	210	163	198	15.29	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-06	Instrumnet Name :	P7
Client Sample ID :	MYE453S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:54:06	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	395209	400242	405293	400248	1.26	cps
Lead	207-1	340019	347236	346356	344537	1.14	cps
Lead	208-1	1560196	1584161	1586755	1577037	0.93	cps
Lithium	6-1	572172	575755	564818	570915	0.98	cps
Magnesium	24-2	4368477	4317258	4262291	4316009	1.23	cps
Manganese	55-2	6922661	6897278	6892450	6904130	0.24	cps
Molybdenum	94-1	46173	47333	46547	46684	1.27	cps
Molybdenum	95-1	5968	6051	6005	6008	0.70	cps
Molybdenum	96-1	14831	15298	15341	15157	1.87	cps
Molybdenum	97-1	3624	3610	3747	3661	2.06	cps
Molybdenum	98-1	9213	9453	9506	9391	1.66	cps
Neodymium	150-1	73929	76144	75340	75138	1.49	cps
Neodymium	150-2	44590	44360	44737	44562	0.43	cps
Nickel	60-2	461081	460349	459206	460212	0.21	cps
Phosphorus	31-2	27274	27461	26837	27191	1.18	cps
Potassium	39-2	4131621	4147885	4096232	4125246	0.64	cps
Rhodium	103-1	4396338	4308754	4250522	4318538	1.70	cps
Rhodium	103-2	2844746	2861607	2825745	2844033	0.63	cps
Scandium	45-1	2750682	2719445	2648127	2706085	1.94	cps
Scandium	45-2	301186	301121	300490	300932	0.13	cps
Selenium	82-1	6196	6362	6559	6372	2.85	cps
Selenium	77-2	993	783	860	879	12.09	cps
Selenium	78-2	2667	2784	2757	2736	2.23	cps
Silicon	28-1	11845402	11968763	11982268	11932144	0.63	cps
Silver	107-1	203798	208608	208594	207000	1.34	cps
Silver	109-1	193924	197173	197202	196100	0.96	cps
Sodium	23-2	133449	133395	132696	133180	0.32	cps
Strontium	86-1	187533	192958	193242	191244	1.68	cps
Strontium	88-1	1706936	1771942	1738520	1739133	1.87	cps
Sulfur	34-1	108589	105648	105726	106654	1.57	cps
Terbium	159-1	6010123	5929176	5964195	5967831	0.68	cps
Terbium	159-2	3946362	3916845	3939846	3934351	0.39	cps
Thallium	203-1	154229	159003	156918	156717	1.53	cps
Thallium	205-1	365442	373350	373894	370895	1.28	cps
Tin	118-1	9103	9443	8863	9136	3.19	cps
Titanium	47-1	669204	688290	688032	681842	1.61	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-06	Instrumnet Name :	P7
Client Sample ID :	MYE453S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:54:06	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	21451	21447	21467	21455	0.05	cps
Vanadium	51-2	1290316	1282449	1300421	1291062	0.70	cps
Yttrium	89-1	8497988	8181322	8147772	8275694	2.34	cps
Yttrium	89-2	2391357	2400225	2431199	2407593	0.87	cps
Zinc	66-2	324915	325891	324239	325015	0.26	cps
Zirconium	90-1	114624	118470	116957	116684	1.66	cps
Zirconium	91-1	25669	25766	26521	25985	1.79	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04MS	Instrumnet Name :	P7
Client Sample ID :	MYE453SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:57:10	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6161791	6108667	6094954	6121804	0.58	cps
Antimony	121-1	1680398	1705641	1712922	1699654	1.00	cps
Arsenic	75-2	122181	121001	120363	121182	0.76	cps
Barium	135-1	8734187	8851130	8894263	8826527	0.94	cps
Barium	137-1	15124364	15165673	15363870	15217969	0.84	cps
Beryllium	9-1	87840	86194	88315	87450	1.27	cps
Bismuth	209-1	3657480	3571318	3608863	3612554	1.20	cps
Bismuth	209-2	2722938	2717345	2723854	2721379	0.13	cps
Bromine	81-1	7148	6925	7135	7070	1.77	cps
Bromine	81-2	553	537	563	551	2.44	cps
Cadmium	108-1	12682	12552	13129	12788	2.37	cps
Cadmium	106-1	18475	18922	18919	18772	1.37	cps
Cadmium	111-1	191303	193756	194633	193231	0.89	cps
Calcium	43-1	174336	176072	174599	175002	0.53	cps
Calcium	44-1	2703613	2705950	2768221	2725928	1.34	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1781227	1799816	1799783	1793609	0.60	cps
Cobalt	59-2	6091254	6031749	5991646	6038217	0.83	cps
Copper	63-2	2959310	2960616	2938122	2952683	0.43	cps
Dysprosium	156-1	37644	39101	39556	38767	2.58	cps
Dysprosium	156-2	33493	34402	34399	34098	1.54	cps
Erbium	164-1	30296	30313	30490	30366	0.35	cps
Erbium	164-2	20218	20161	20756	20378	1.61	cps
Gadolinium	160-1	36243	36838	36731	36604	0.87	cps
Gadolinium	160-2	26408	26689	25911	26336	1.50	cps
Holmium	165-1	5771152	5807143	5831334	5803209	0.52	cps
Holmium	165-2	3882161	3947642	3930600	3920134	0.87	cps
Indium	115-1	4576286	4587148	4577966	4580467	0.13	cps
Indium	115-2	1699230	1708994	1707925	1705383	0.31	cps
Iron	56-2	211176784	210643384	209097004	210305724	0.51	cps
Iron	57-2	5240440	5197965	5137273	5191893	1.00	cps
Iron	54-2	11650541	11656839	11600186	11635856	0.27	cps
Krypton	83-1	200	187	227	204	9.96	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04MS	Instrumnet Name :	P7
Client Sample ID :	MYE453SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:57:10	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	545014	561131	559166	555104	1.58	cps
Lead	207-1	481958	482314	481660	481977	0.07	cps
Lead	208-1	2177459	2206627	2209897	2197995	0.81	cps
Lithium	6-1	568291	571675	566688	568885	0.45	cps
Magnesium	24-2	4285389	4228236	4173204	4228943	1.33	cps
Manganese	55-2	8731287	8698662	8720856	8716935	0.19	cps
Molybdenum	94-1	45283	46055	44665	45334	1.54	cps
Molybdenum	95-1	6131	6161	6051	6115	0.93	cps
Molybdenum	96-1	15068	14968	15452	15162	1.68	cps
Molybdenum	97-1	3554	3677	3801	3677	3.35	cps
Molybdenum	98-1	9380	9346	9523	9416	1.00	cps
Neodymium	150-1	72753	74086	75176	74005	1.64	cps
Neodymium	150-2	43728	44239	43614	43860	0.76	cps
Nickel	60-2	1622015	1591093	1574769	1595959	1.50	cps
Phosphorus	31-2	26112	26176	26363	26217	0.50	cps
Potassium	39-2	4090981	4023375	3984125	4032827	1.34	cps
Rhodium	103-1	4206993	4263137	4210116	4226748	0.75	cps
Rhodium	103-2	2840904	2804410	2841132	2828815	0.75	cps
Scandium	45-1	2667985	2609883	2605553	2627807	1.33	cps
Scandium	45-2	301868	297449	295162	298160	1.14	cps
Selenium	82-1	25068	25161	25350	25193	0.57	cps
Selenium	77-2	2904	3027	2870	2934	2.81	cps
Selenium	78-2	10060	10010	10027	10032	0.25	cps
Silicon	28-1	11541899	11907622	11753758	11734426	1.56	cps
Silver	107-1	571536	562425	615730	583230	4.89	cps
Silver	109-1	443934	471826	525910	480556	8.67	cps
Sodium	23-2	173799	174454	174938	174397	0.33	cps
Strontium	86-1	185527	188066	186102	186565	0.71	cps
Strontium	88-1	1707278	1712500	1686077	1701952	0.82	cps
Sulfur	34-1	104910	104658	103917	104495	0.49	cps
Terbium	159-1	6000998	6014705	5914455	5976719	0.91	cps
Terbium	159-2	3921032	3944860	3919117	3928336	0.37	cps
Thallium	203-1	657977	651895	650101	653324	0.63	cps
Thallium	205-1	1532726	1542519	1528783	1534676	0.46	cps
Tin	118-1	8839	9106	9340	9095	2.75	cps
Titanium	47-1	663427	668567	669503	667166	0.49	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04MS	Instrumnet Name :	P7
Client Sample ID :	MYE453SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 14:57:10	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	21127	22018	21067	21404	2.49	cps
Vanadium	51-2	3874414	3782282	3781124	3812607	1.40	cps
Yttrium	89-1	8266972	8144381	8138154	8183169	0.89	cps
Yttrium	89-2	2379864	2396769	2398220	2391618	0.43	cps
Zinc	66-2	819903	812235	810640	814259	0.61	cps
Zirconium	90-1	111674	114683	115019	113792	1.62	cps
Zirconium	91-1	25158	25886	25375	25473	1.47	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12	Instrumnet Name :	P7
Client Sample ID :	MYE481	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:00:10	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6905320	6969611	6974717	6949883	0.56	cps
Antimony	121-1	10591	10804	10104	10499	3.42	cps
Arsenic	75-2	47021	46446	46750	46739	0.62	cps
Barium	135-1	752102	757756	756661	755506	0.40	cps
Barium	137-1	1290205	1306865	1303721	1300264	0.68	cps
Beryllium	9-1	933	1057	1047	1012	6.77	cps
Bismuth	209-1	3576022	3634233	3532650	3580968	1.42	cps
Bismuth	209-2	2709660	2725560	2713281	2716167	0.31	cps
Bromine	81-1	6538	6768	7112	6806	4.24	cps
Bromine	81-2	523	483	510	506	4.03	cps
Cadmium	108-1	260	320	243	274	14.69	cps
Cadmium	106-1	1547	1573	1437	1519	4.77	cps
Cadmium	111-1	3254	3311	3282	3283	0.86	cps
Calcium	43-1	310079	315480	317133	314231	1.17	cps
Calcium	44-1	4869823	4934040	4963352	4922405	0.97	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	294536	292000	292535	293023	0.46	cps
Cobalt	59-2	205035	203980	202957	203991	0.51	cps
Copper	63-2	881003	878895	868401	876100	0.77	cps
Dysprosium	156-1	40425	41227	41364	41005	1.24	cps
Dysprosium	156-2	36394	36598	35946	36312	0.92	cps
Erbium	164-1	33570	33848	33343	33587	0.75	cps
Erbium	164-2	22505	22505	22612	22540	0.27	cps
Gadolinium	160-1	39011	40097	39729	39612	1.40	cps
Gadolinium	160-2	28138	28021	28352	28171	0.60	cps
Holmium	165-1	5829503	5717699	5696348	5747850	1.24	cps
Holmium	165-2	3875489	3939998	3904693	3906727	0.83	cps
Indium	115-1	4621925	4645307	4517365	4594866	1.48	cps
Indium	115-2	1699585	1718138	1735411	1717711	1.04	cps
Iron	56-2	216523283	213888003	214591197	215000828	0.63	cps
Iron	57-2	5378308	5311927	5320009	5336748	0.68	cps
Iron	54-2	11889705	12037894	11858229	11928610	0.80	cps
Krypton	83-1	183	160	260	201	26.02	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12	Instrumnet Name :	P7
Client Sample ID :	MYE481	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:00:10	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	286827	289300	286181	287436	0.57	cps
Lead	207-1	248165	248835	249629	248877	0.29	cps
Lead	208-1	1127365	1140579	1127061	1131668	0.68	cps
Lithium	6-1	562743	557869	550840	557151	1.07	cps
Magnesium	24-2	5154631	5144481	5057502	5118872	1.04	cps
Manganese	55-2	6258651	6296043	6190011	6248235	0.86	cps
Molybdenum	94-1	59430	60558	60394	60127	1.01	cps
Molybdenum	95-1	3771	4084	4061	3972	4.40	cps
Molybdenum	96-1	15485	15695	16086	15755	1.93	cps
Molybdenum	97-1	2480	2557	2450	2496	2.20	cps
Molybdenum	98-1	6115	6355	6118	6196	2.22	cps
Neodymium	150-1	78071	79922	79774	79255	1.30	cps
Neodymium	150-2	46262	47854	46403	46840	1.88	cps
Nickel	60-2	98602	98880	97605	98362	0.68	cps
Phosphorus	31-2	17600	17503	17737	17614	0.67	cps
Potassium	39-2	3518128	3487274	3438158	3481187	1.16	cps
Rhodium	103-1	4279296	4249978	4189641	4239638	1.08	cps
Rhodium	103-2	2831763	2863607	2856624	2850665	0.59	cps
Scandium	45-1	2688992	2662800	2634548	2662113	1.02	cps
Scandium	45-2	306981	306641	304979	306200	0.35	cps
Selenium	82-1	365	349	263	326	16.72	cps
Selenium	77-2	130	173	133	146	16.57	cps
Selenium	78-2	483	507	457	482	5.19	cps
Silicon	28-1	12253747	12488271	12400199	12380739	0.96	cps
Silver	107-1	5705	5144	4871	5240	8.11	cps
Silver	109-1	5274	4754	5021	5016	5.19	cps
Sodium	23-2	152160	151938	151030	151710	0.39	cps
Strontium	86-1	172320	176286	176641	175082	1.37	cps
Strontium	88-1	1578949	1634872	1602180	1605334	1.75	cps
Sulfur	34-1	102977	102021	102534	102511	0.47	cps
Terbium	159-1	5949474	5914661	5762079	5875405	1.70	cps
Terbium	159-2	3925482	3952070	3902067	3926540	0.64	cps
Thallium	203-1	2387	2174	2400	2320	5.48	cps
Thallium	205-1	5408	5291	5051	5250	3.47	cps
Tin	118-1	9296	9350	9567	9404	1.52	cps
Titanium	47-1	753051	766353	766941	762115	1.03	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12	Instrumnet Name :	P7
Client Sample ID :	MYE481	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:00:10	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14725	14982	14722	14809	1.01	cps
Vanadium	51-2	427471	421604	421977	423684	0.78	cps
Yttrium	89-1	8185250	8325790	8243921	8251654	0.86	cps
Yttrium	89-2	2483137	2443637	2436807	2454527	1.02	cps
Zinc	66-2	125206	126033	126174	125804	0.42	cps
Zirconium	90-1	158007	161154	160069	159743	1.00	cps
Zirconium	91-1	35079	35175	35897	35384	1.26	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-13	Instrumnet Name :	P7
Client Sample ID :	MYE481D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:03:19	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7186504	7105341	7097170	7129672	0.69	cps
Antimony	121-1	10444	11161	10821	10809	3.32	cps
Arsenic	75-2	48198	47599	47302	47700	0.96	cps
Barium	135-1	751650	755878	763387	756972	0.79	cps
Barium	137-1	1289261	1312511	1317443	1306405	1.15	cps
Beryllium	9-1	937	967	943	949	1.66	cps
Bismuth	209-1	3597833	3632193	3524346	3584791	1.54	cps
Bismuth	209-2	2722603	2749140	2767226	2746323	0.82	cps
Bromine	81-1	7205	7058	7375	7213	2.20	cps
Bromine	81-2	700	570	573	614	12.06	cps
Cadmium	108-1	313	310	313	312	0.62	cps
Cadmium	106-1	1580	1557	1590	1576	1.09	cps
Cadmium	111-1	3330	3473	3387	3397	2.11	cps
Calcium	43-1	323954	326614	328222	326263	0.66	cps
Calcium	44-1	5089801	5110900	5126448	5109050	0.36	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	299668	297979	298585	298744	0.29	cps
Cobalt	59-2	211266	210124	209770	210387	0.37	cps
Copper	63-2	899902	898686	891182	896590	0.53	cps
Dysprosium	156-1	41966	42762	42999	42575	1.27	cps
Dysprosium	156-2	37824	37570	37704	37699	0.34	cps
Erbium	164-1	34265	34940	35361	34856	1.59	cps
Erbium	164-2	23901	23477	23380	23586	1.17	cps
Gadolinium	160-1	40331	40074	41087	40497	1.30	cps
Gadolinium	160-2	29331	29297	29261	29296	0.12	cps
Holmium	165-1	5687198	5834364	5699227	5740263	1.42	cps
Holmium	165-2	3922422	3934546	3967487	3941485	0.59	cps
Indium	115-1	4552168	4617003	4463802	4544324	1.69	cps
Indium	115-2	1733065	1750780	1730515	1738120	0.64	cps
Iron	56-2	220868750	220251037	221286650	220802146	0.24	cps
Iron	57-2	5401570	5443892	5430490	5425317	0.40	cps
Iron	54-2	12204903	12211277	12154548	12190243	0.25	cps
Krypton	83-1	203	193	233	210	9.91	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-13	Instrumnet Name :	P7
Client Sample ID :	MYE481D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:03:19	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	293448	295766	295621	294945	0.44	cps
Lead	207-1	252974	258648	256510	256044	1.12	cps
Lead	208-1	1150825	1167706	1167654	1162062	0.84	cps
Lithium	6-1	556922	553161	540423	550169	1.57	cps
Magnesium	24-2	5307873	5279647	5219748	5269089	0.85	cps
Manganese	55-2	6251779	6174518	6229694	6218664	0.64	cps
Molybdenum	94-1	59038	60755	60678	60157	1.61	cps
Molybdenum	95-1	4124	4154	4121	4133	0.44	cps
Molybdenum	96-1	15642	15955	15625	15741	1.18	cps
Molybdenum	97-1	2630	2590	2560	2594	1.35	cps
Molybdenum	98-1	6465	6301	6572	6446	2.11	cps
Neodymium	150-1	80817	81222	83046	81695	1.45	cps
Neodymium	150-2	48286	48329	48282	48299	0.05	cps
Nickel	60-2	101047	100786	100149	100661	0.46	cps
Phosphorus	31-2	18231	17784	18184	18066	1.36	cps
Potassium	39-2	3582482	3577380	3560279	3573380	0.33	cps
Rhodium	103-1	4233503	4278752	4210449	4240901	0.82	cps
Rhodium	103-2	2910119	2847255	2905996	2887790	1.22	cps
Scandium	45-1	2702754	2691767	2693435	2695985	0.22	cps
Scandium	45-2	306954	305041	309994	307330	0.81	cps
Selenium	82-1	329	335	321	328	2.15	cps
Selenium	77-2	123	183	157	154	19.46	cps
Selenium	78-2	453	480	413	449	7.48	cps
Silicon	28-1	11236489	11301976	11515315	11351260	1.28	cps
Silver	107-1	5201	5434	5028	5221	3.91	cps
Silver	109-1	4768	5028	4928	4908	2.67	cps
Sodium	23-2	156742	154304	154604	155217	0.86	cps
Strontium	86-1	176992	182311	179448	179584	1.48	cps
Strontium	88-1	1596086	1645404	1624735	1622075	1.53	cps
Sulfur	34-1	101356	99991	100165	100504	0.74	cps
Terbium	159-1	5908352	5933250	5901461	5914354	0.28	cps
Terbium	159-2	3969401	3929106	3922140	3940216	0.65	cps
Thallium	203-1	2120	2167	2164	2150	1.21	cps
Thallium	205-1	5204	5371	5351	5309	1.71	cps
Tin	118-1	10064	9753	9874	9897	1.58	cps
Titanium	47-1	752555	770730	763642	762309	1.20	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-13	Instrumnet Name :	P7
Client Sample ID :	MYE481D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:03:19	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14652	15950	15649	15417	4.41	cps
Vanadium	51-2	432487	432490	432192	432390	0.04	cps
Yttrium	89-1	8231809	8238851	8179659	8216773	0.39	cps
Yttrium	89-2	2478116	2439285	2513344	2476915	1.50	cps
Zinc	66-2	130985	128702	128594	129427	1.04	cps
Zirconium	90-1	154511	158633	157659	156934	1.37	cps
Zirconium	91-1	34096	35563	35262	34974	2.22	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12LX5	Instrumnet Name :	P7
Client Sample ID :	MYE481L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 15:06:30	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1262087	1261377	1251337	1258267	0.48	cps
Antimony	121-1	1790	1820	1913	1841	3.49	cps
Arsenic	75-2	8322	8649	8426	8466	1.97	cps
Barium	135-1	135649	138529	139148	137775	1.36	cps
Barium	137-1	231383	237156	239035	235858	1.69	cps
Beryllium	9-1	187	163	190	180	8.07	cps
Bismuth	209-1	3756441	3658687	3642204	3685777	1.68	cps
Bismuth	209-2	2717507	2691012	2718921	2709147	0.58	cps
Bromine	81-1	5755	5674	5678	5702	0.79	cps
Bromine	81-2	133	127	163	141	13.84	cps
Cadmium	108-1	70	50	70	63	18.23	cps
Cadmium	106-1	1180	1230	1210	1207	2.09	cps
Cadmium	111-1	1294	1393	1205	1297	7.25	cps
Calcium	43-1	56856	57880	58368	57701	1.34	cps
Calcium	44-1	951368	965529	959973	958957	0.74	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	53023	54642	53538	53734	1.54	cps
Cobalt	59-2	37587	37126	37373	37362	0.62	cps
Copper	63-2	161501	159776	159845	160374	0.61	cps
Dysprosium	156-1	7632	7655	7726	7671	0.63	cps
Dysprosium	156-2	6668	6248	6398	6438	3.31	cps
Erbium	164-1	6168	6181	6051	6134	1.17	cps
Erbium	164-2	4107	4171	4161	4146	0.82	cps
Gadolinium	160-1	7372	7155	7462	7330	2.15	cps
Gadolinium	160-2	5541	5211	5051	5268	4.75	cps
Holmium	165-1	5811985	5697016	5704908	5737969	1.12	cps
Holmium	165-2	3840565	3855682	3902844	3866364	0.84	cps
Indium	115-1	4693514	4713938	4640882	4682778	0.80	cps
Indium	115-2	1730425	1714810	1696137	1713791	1.00	cps
Iron	56-2	39187557	39254630	38883251	39108479	0.51	cps
Iron	57-2	996481	994975	991711	994389	0.25	cps
Iron	54-2	2195281	2185667	2147802	2176250	1.15	cps
Krypton	83-1	177	180	163	173	5.09	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12LX5	Instrumnet Name :	P7
Client Sample ID :	MYE481L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 15:06:30	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	52427	53468	53083	52993	0.99	cps
Lead	207-1	45884	46389	45977	46083	0.58	cps
Lead	208-1	208477	210382	210840	209900	0.60	cps
Lithium	6-1	549771	545284	553566	549540	0.75	cps
Magnesium	24-2	958115	951414	952063	953864	0.39	cps
Manganese	55-2	1168011	1168463	1160378	1165617	0.39	cps
Molybdenum	94-1	10861	16015	11668	12848	21.58	cps
Molybdenum	95-1	927	953	880	920	4.03	cps
Molybdenum	96-1	2987	2934	3017	2979	1.42	cps
Molybdenum	97-1	683	503	620	602	15.16	cps
Molybdenum	98-1	1190	1477	1370	1346	10.77	cps
Neodymium	150-1	14227	14377	14538	14381	1.08	cps
Neodymium	150-2	8369	8216	8339	8308	0.98	cps
Nickel	60-2	18164	18381	18512	18352	0.96	cps
Phosphorus	31-2	3390	3297	3434	3374	2.07	cps
Potassium	39-2	730699	726106	719305	725370	0.79	cps
Rhodium	103-1	4430744	4308683	4308140	4349189	1.62	cps
Rhodium	103-2	2847167	2893293	2881047	2873836	0.83	cps
Scandium	45-1	2601615	2523389	2516045	2547016	1.86	cps
Scandium	45-2	288127	284270	285736	286044	0.68	cps
Selenium	82-1	276	224	287	262	12.96	cps
Selenium	77-2	30	30	20	27	21.65	cps
Selenium	78-2	357	390	407	384	6.62	cps
Silicon	28-1	2389908	2409972	2417865	2405915	0.60	cps
Silver	107-1	1063	993	1023	1027	3.42	cps
Silver	109-1	893	913	983	930	5.08	cps
Sodium	23-2	60548	60548	61372	60823	0.78	cps
Strontium	86-1	31985	32957	32683	32542	1.54	cps
Strontium	88-1	277621	284800	283315	281912	1.34	cps
Sulfur	34-1	97220	96985	95989	96731	0.68	cps
Terbium	159-1	5973114	5941287	5896992	5937131	0.64	cps
Terbium	159-2	3895720	3888491	3869264	3884492	0.35	cps
Thallium	203-1	577	537	493	536	7.78	cps
Thallium	205-1	1163	1150	1227	1180	3.47	cps
Tin	118-1	2930	3064	3234	3076	4.94	cps
Titanium	47-1	136987	137995	139005	137996	0.73	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12LX5	Instrumnet Name :	P7
Client Sample ID :	MYE481L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 15:06:30	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2860	2687	2777	2775	3.13	cps
Vanadium	51-2	75920	76047	76399	76122	0.33	cps
Yttrium	89-1	7956272	7724523	7764104	7814967	1.59	cps
Yttrium	89-2	2292958	2283861	2287220	2288013	0.20	cps
Zinc	66-2	24514	25024	24827	24788	1.04	cps
Zirconium	90-1	28237	28788	28668	28565	1.01	cps
Zirconium	91-1	6068	6555	6572	6398	4.47	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-14	Instrumnet Name :	P7
Client Sample ID :	MYE481S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:09:42	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7245280	7216164	7172641	7211362	0.51	cps
Antimony	121-1	377597	382882	380387	380289	0.70	cps
Arsenic	75-2	56283	56403	57260	56649	0.94	cps
Barium	135-1	2691929	2718038	2721557	2710508	0.60	cps
Barium	137-1	4602012	4716653	4789837	4702834	2.01	cps
Beryllium	9-1	20056	20884	21028	20656	2.54	cps
Bismuth	209-1	3525553	3659790	3553545	3579629	1.98	cps
Bismuth	209-2	2660897	2688765	2714786	2688149	1.00	cps
Bromine	81-1	7272	7228	7022	7174	1.86	cps
Bromine	81-2	497	560	533	530	6.00	cps
Cadmium	108-1	3227	3237	3214	3226	0.36	cps
Cadmium	106-1	5631	5488	5751	5623	2.35	cps
Cadmium	111-1	46465	47552	47916	47311	1.60	cps
Calcium	43-1	319102	320945	319904	319983	0.29	cps
Calcium	44-1	4927637	5051884	5000472	4993331	1.25	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	663852	663517	667506	664958	0.33	cps
Cobalt	59-2	1579394	1594342	1566071	1579936	0.90	cps
Copper	63-2	1340560	1331713	1344626	1338966	0.49	cps
Dysprosium	156-1	41678	42337	42698	42238	1.22	cps
Dysprosium	156-2	36972	36551	37483	37002	1.26	cps
Erbium	164-1	34145	34439	34302	34295	0.43	cps
Erbium	164-2	23119	23119	23052	23097	0.17	cps
Gadolinium	160-1	40070	40127	40000	40066	0.16	cps
Gadolinium	160-2	28372	29187	29575	29045	2.11	cps
Holmium	165-1	5852932	5740517	5803254	5798901	0.97	cps
Holmium	165-2	3819634	3922536	3868321	3870164	1.33	cps
Indium	115-1	4636138	4632797	4536513	4601816	1.23	cps
Indium	115-2	1739327	1740456	1744628	1741470	0.16	cps
Iron	56-2	217732257	220077117	218009250	218606208	0.59	cps
Iron	57-2	5474391	5418039	5446315	5446248	0.52	cps
Iron	54-2	12117352	12129324	12126009	12124228	0.05	cps
Krypton	83-1	187	250	180	206	18.79	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-14	Instrumnet Name :	P7
Client Sample ID :	MYE481S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:09:42	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	334497	344009	338830	339112	1.40	cps
Lead	207-1	291625	298530	293975	294710	1.19	cps
Lead	208-1	1325480	1354097	1346403	1341993	1.10	cps
Lithium	6-1	556738	550828	542397	549987	1.31	cps
Magnesium	24-2	5187554	5248585	5211160	5215767	0.59	cps
Manganese	55-2	6836562	6948925	6900668	6895385	0.82	cps
Molybdenum	94-1	60916	60913	61589	61139	0.64	cps
Molybdenum	95-1	3947	4107	4371	4142	5.16	cps
Molybdenum	96-1	15638	15535	15885	15686	1.15	cps
Molybdenum	97-1	2570	2604	2470	2548	2.72	cps
Molybdenum	98-1	6208	6618	6345	6390	3.27	cps
Neodymium	150-1	78265	81647	80465	80126	2.14	cps
Neodymium	150-2	47958	46948	47252	47386	1.09	cps
Nickel	60-2	439084	439729	437653	438822	0.24	cps
Phosphorus	31-2	18051	18074	17627	17917	1.41	cps
Potassium	39-2	3499678	3506008	3527792	3511159	0.42	cps
Rhodium	103-1	4330474	4195764	4265997	4264078	1.58	cps
Rhodium	103-2	2855308	2863607	2852957	2857291	0.20	cps
Scandium	45-1	2672274	2726690	2632432	2677132	1.77	cps
Scandium	45-2	309577	306281	306069	307309	0.64	cps
Selenium	82-1	6162	6202	6434	6266	2.34	cps
Selenium	77-2	850	920	757	842	9.73	cps
Selenium	78-2	2804	2634	2797	2745	3.51	cps
Silicon	28-1	12195660	12471686	12255227	12307524	1.18	cps
Silver	107-1	187083	191864	189419	189455	1.26	cps
Silver	109-1	177112	182376	179942	179810	1.47	cps
Sodium	23-2	153119	153235	152345	152900	0.32	cps
Strontium	86-1	175083	179478	179699	178086	1.46	cps
Strontium	88-1	1608558	1592420	1602890	1601289	0.51	cps
Sulfur	34-1	100977	99914	99202	100031	0.89	cps
Terbium	159-1	5953849	6011719	5914473	5960014	0.82	cps
Terbium	159-2	3971298	3972650	3842844	3928931	1.90	cps
Thallium	203-1	151489	154097	152820	152802	0.85	cps
Thallium	205-1	353275	360107	360906	358096	1.17	cps
Tin	118-1	9703	9283	9670	9552	2.45	cps
Titanium	47-1	763356	775944	771361	770220	0.83	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-14	Instrumnet Name :	P7
Client Sample ID :	MYE481S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:09:42	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14682	15696	14985	15121	3.44	cps
Vanadium	51-2	1247742	1245545	1249018	1247435	0.14	cps
Yttrium	89-1	8351221	8270640	8136491	8252784	1.31	cps
Yttrium	89-2	2429438	2409843	2463868	2434383	1.12	cps
Zinc	66-2	287690	287267	285551	286836	0.39	cps
Zirconium	90-1	156835	160503	160594	159311	1.35	cps
Zirconium	91-1	34664	35186	36248	35366	2.28	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12MS	Instrumnet Name :	P7
Client Sample ID :	MYE481SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:12:49	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7513595	7430893	7518239	7487576	0.66	cps
Antimony	121-1	1715554	1738636	1734721	1729637	0.71	cps
Arsenic	75-2	88361	88817	87590	88256	0.70	cps
Barium	135-1	8774722	9000354	9034367	8936481	1.58	cps
Barium	137-1	15070636	15388228	15585578	15348147	1.69	cps
Beryllium	9-1	84156	86472	87183	85937	1.84	cps
Bismuth	209-1	3555356	3602183	3586594	3581378	0.67	cps
Bismuth	209-2	2668178	2731429	2754260	2717956	1.64	cps
Bromine	81-1	6885	6935	7275	7032	3.02	cps
Bromine	81-2	537	540	553	543	1.62	cps
Cadmium	108-1	12776	12926	13013	12905	0.93	cps
Cadmium	106-1	18682	19393	18842	18972	1.97	cps
Cadmium	111-1	191822	197420	197312	195518	1.64	cps
Calcium	43-1	306457	315492	316774	312908	1.80	cps
Calcium	44-1	4737647	4903728	4911765	4851047	2.03	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1864119	1846048	1862167	1857445	0.53	cps
Cobalt	59-2	6057042	6077563	6078303	6070969	0.20	cps
Copper	63-2	2910801	2891774	2923521	2908699	0.55	cps
Dysprosium	156-1	40996	41247	41053	41099	0.32	cps
Dysprosium	156-2	35806	36681	36230	36239	1.21	cps
Erbium	164-1	32862	33483	34366	33570	2.25	cps
Erbium	164-2	23373	23049	23082	23168	0.77	cps
Gadolinium	160-1	39131	39562	40612	39769	1.92	cps
Gadolinium	160-2	28375	28452	28352	28393	0.18	cps
Holmium	165-1	5806761	5802663	5837110	5815511	0.32	cps
Holmium	165-2	3952103	3959576	3942857	3951512	0.21	cps
Indium	115-1	4565027	4621263	4555482	4580591	0.78	cps
Indium	115-2	1690906	1707148	1722890	1706981	0.94	cps
Iron	56-2	219419643	219253123	217918097	218863621	0.38	cps
Iron	57-2	5422884	5393090	5370994	5395656	0.48	cps
Iron	54-2	12136064	12118341	12030669	12095025	0.47	cps
Krypton	83-1	190	180	247	206	17.49	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12MS	Instrumnet Name :	P7
Client Sample ID :	MYE481SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:12:49	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	492161	509849	507762	503257	1.92	cps
Lead	207-1	428691	438227	443551	436823	1.72	cps
Lead	208-1	1960489	2021653	2008087	1996743	1.61	cps
Lithium	6-1	539533	560139	556303	551992	1.99	cps
Magnesium	24-2	5064725	5008600	4966646	5013323	0.98	cps
Manganese	55-2	8874759	8779483	8840509	8831584	0.55	cps
Molybdenum	94-1	57860	60257	58998	59038	2.03	cps
Molybdenum	95-1	4054	4154	4327	4178	3.31	cps
Molybdenum	96-1	15692	15522	15925	15713	1.29	cps
Molybdenum	97-1	2674	2540	2397	2537	5.45	cps
Molybdenum	98-1	6638	6645	6725	6669	0.72	cps
Neodymium	150-1	78004	79100	79459	78854	0.96	cps
Neodymium	150-2	45583	47008	45918	46170	1.61	cps
Nickel	60-2	1613938	1609372	1612993	1612101	0.15	cps
Phosphorus	31-2	17423	17467	16953	17281	1.65	cps
Potassium	39-2	3394455	3373615	3408397	3392156	0.52	cps
Rhodium	103-1	4373986	4301508	4288191	4321228	1.07	cps
Rhodium	103-2	2828570	2873467	2848343	2850127	0.79	cps
Scandium	45-1	2641891	2691515	2684774	2672727	1.01	cps
Scandium	45-2	302164	302746	300192	301701	0.44	cps
Selenium	82-1	25893	26751	26600	26415	1.73	cps
Selenium	77-2	3154	3190	3184	3176	0.62	cps
Selenium	78-2	10611	10574	10657	10614	0.39	cps
Silicon	28-1	11696630	11987761	11721921	11802104	1.37	cps
Silver	107-1	562249	535365	567147	554921	3.08	cps
Silver	109-1	536586	579865	532579	549677	4.77	cps
Sodium	23-2	150322	149511	150474	150102	0.35	cps
Strontium	86-1	170240	175680	173672	173197	1.59	cps
Strontium	88-1	1583300	1578598	1584054	1581984	0.19	cps
Sulfur	34-1	98994	99098	97478	98524	0.92	cps
Terbium	159-1	6019981	6017183	5981488	6006218	0.36	cps
Terbium	159-2	3926289	3950474	3953479	3943414	0.38	cps
Thallium	203-1	667101	672761	677868	672576	0.80	cps
Thallium	205-1	1560314	1825873	1594421	1660203	8.70	cps
Tin	118-1	9543	9994	9683	9740	2.37	cps
Titanium	47-1	733001	754640	751879	746507	1.58	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12MS	Instrumnet Name :	P7
Client Sample ID :	MYE481SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:12:49	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14585	15332	14945	14954	2.50	cps
Vanadium	51-2	3879307	3855132	3842941	3859127	0.48	cps
Yttrium	89-1	8260794	8327371	8127443	8238536	1.24	cps
Yttrium	89-2	2405947	2454005	2419999	2426650	1.02	cps
Zinc	66-2	789733	789725	786954	788804	0.20	cps
Zirconium	90-1	150613	155906	156668	154396	2.14	cps
Zirconium	91-1	33809	35326	34514	34550	2.20	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05	Instrumnet Name :	P7
Client Sample ID :	MYE494	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:15:55	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7216423	7245852	7145678	7202651	0.71	cps
Antimony	121-1	11855	11635	11912	11800	1.24	cps
Arsenic	75-2	39265	39542	39195	39334	0.47	cps
Barium	135-1	814228	831557	819956	821914	1.07	cps
Barium	137-1	1414690	1436399	1430114	1427068	0.78	cps
Beryllium	9-1	907	903	1043	951	8.40	cps
Bismuth	209-1	3565720	3140656	3505761	3404045	6.76	cps
Bismuth	209-2	2650763	2618685	2654528	2641325	0.75	cps
Bromine	81-1	7182	7232	7172	7195	0.45	cps
Bromine	81-2	603	647	707	652	7.96	cps
Cadmium	108-1	190	203	167	187	9.94	cps
Cadmium	106-1	1473	1427	1547	1482	4.08	cps
Cadmium	111-1	2045	2070	2036	2050	0.85	cps
Calcium	43-1	386421	392899	393231	390850	0.98	cps
Calcium	44-1	6083112	6133118	6085543	6100591	0.46	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	263766	262248	263288	263101	0.29	cps
Cobalt	59-2	186785	188259	185097	186714	0.85	cps
Copper	63-2	518345	522243	519497	520028	0.39	cps
Dysprosium	156-1	39485	40137	39198	39607	1.22	cps
Dysprosium	156-2	34990	35458	34870	35106	0.88	cps
Erbium	164-1	31592	31592	31432	31539	0.29	cps
Erbium	164-2	21143	20839	20879	20954	0.79	cps
Gadolinium	160-1	36621	37928	37751	37433	1.89	cps
Gadolinium	160-2	26999	27026	26208	26744	1.74	cps
Holmium	165-1	5706395	5048073	5651207	5468558	6.68	cps
Holmium	165-2	3908697	3855396	3793442	3852512	1.50	cps
Indium	115-1	4556585	4010543	4605436	4390855	7.52	cps
Indium	115-2	1724026	1728256	1709934	1720739	0.56	cps
Iron	56-2	220316903	221623537	223617330	221852590	0.75	cps
Iron	57-2	5561611	5487057	5524120	5524263	0.67	cps
Iron	54-2	12305582	12246906	12127149	12226546	0.74	cps
Krypton	83-1	257	207	230	231	10.83	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05	Instrumnet Name :	P7
Client Sample ID :	MYE494	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:15:55	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	161079	162877	160373	161443	0.80	cps
Lead	207-1	139353	139902	137179	138811	1.04	cps
Lead	208-1	631621	639963	628900	633494	0.91	cps
Lithium	6-1	532033	470855	515037	505975	6.24	cps
Magnesium	24-2	5402906	5424690	5419251	5415616	0.21	cps
Manganese	55-2	3916052	3909567	3903439	3909686	0.16	cps
Molybdenum	94-1	64618	66547	65198	65454	1.51	cps
Molybdenum	95-1	3240	3447	3367	3352	3.11	cps
Molybdenum	96-1	15638	16306	16209	16051	2.25	cps
Molybdenum	97-1	2094	2010	1960	2021	3.33	cps
Molybdenum	98-1	4838	5391	5221	5150	5.51	cps
Neodymium	150-1	80190	82070	80793	81018	1.19	cps
Neodymium	150-2	46965	47249	46466	46893	0.84	cps
Nickel	60-2	106273	108163	107257	107231	0.88	cps
Phosphorus	31-2	22240	22256	22086	22194	0.42	cps
Potassium	39-2	3295508	3230129	3225715	3250451	1.20	cps
Rhodium	103-1	4189606	3741805	4172569	4034660	6.29	cps
Rhodium	103-2	2842202	2858852	2835149	2845401	0.43	cps
Scandium	45-1	2648422	2381819	2635921	2555387	5.89	cps
Scandium	45-2	309431	307407	304544	307127	0.80	cps
Selenium	82-1	314	375	319	336	10.05	cps
Selenium	77-2	127	193	120	147	27.65	cps
Selenium	78-2	477	470	493	480	2.50	cps
Silicon	28-1	8696237	8868460	8831863	8798853	1.03	cps
Silver	107-1	2557	2334	2340	2410	5.27	cps
Silver	109-1	2674	2157	1890	2240	17.78	cps
Sodium	23-2	223814	222742	222157	222905	0.38	cps
Strontium	86-1	399954	402991	404390	402445	0.56	cps
Strontium	88-1	3703517	3659131	3689158	3683935	0.61	cps
Sulfur	34-1	102685	101638	103306	102543	0.82	cps
Terbium	159-1	5906512	5193624	5900503	5666880	7.23	cps
Terbium	159-2	3850337	3844797	3779341	3824825	1.03	cps
Thallium	203-1	1700	1597	1620	1639	3.31	cps
Thallium	205-1	3904	3817	4097	3940	3.64	cps
Tin	118-1	11578	11438	11988	11668	2.45	cps
Titanium	47-1	773595	784217	778219	778677	0.68	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05	Instrumnet Name :	P7
Client Sample ID :	MYE494	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:15:55	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15870	15880	15973	15907	0.36	cps
Vanadium	51-2	448673	448132	450412	449072	0.27	cps
Yttrium	89-1	8161547	7276121	8260892	7899520	6.86	cps
Yttrium	89-2	2453973	2427661	2384689	2422108	1.44	cps
Zinc	66-2	95459	96073	95268	95600	0.44	cps
Zirconium	90-1	173512	173961	174522	173998	0.29	cps
Zirconium	91-1	38404	38734	38851	38663	0.60	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-06	Instrumnet Name :	P7
Client Sample ID :	MYE494D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:19:11	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7467743	7442959	7430117	7446940	0.26	cps
Antimony	121-1	11441	11298	11712	11484	1.83	cps
Arsenic	75-2	41277	40903	40766	40982	0.65	cps
Barium	135-1	828444	845717	844413	839525	1.15	cps
Barium	137-1	1434375	1465644	1574382	1491467	4.93	cps
Beryllium	9-1	893	1010	963	956	6.15	cps
Bismuth	209-1	3536937	3534502	3500828	3524089	0.57	cps
Bismuth	209-2	2660872	2631448	2663544	2651955	0.67	cps
Bromine	81-1	7165	7382	7345	7297	1.59	cps
Bromine	81-2	563	633	550	582	7.69	cps
Cadmium	108-1	217	153	177	182	17.58	cps
Cadmium	106-1	1567	1560	1337	1488	8.80	cps
Cadmium	111-1	2098	2025	1895	2006	5.12	cps
Calcium	43-1	387223	396856	400023	394700	1.69	cps
Calcium	44-1	6178694	6194971	6207304	6193657	0.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	271237	270907	269445	270530	0.35	cps
Cobalt	59-2	192526	191655	191661	191947	0.26	cps
Copper	63-2	532329	531590	533963	532628	0.23	cps
Dysprosium	156-1	40331	41544	40923	40933	1.48	cps
Dysprosium	156-2	36273	36090	35806	36056	0.65	cps
Erbium	164-1	31482	31970	31098	31517	1.39	cps
Erbium	164-2	22491	21740	21620	21951	2.15	cps
Gadolinium	160-1	38249	38583	38630	38487	0.54	cps
Gadolinium	160-2	27965	27003	27965	27644	2.01	cps
Holmium	165-1	5711942	5795686	5621259	5709629	1.53	cps
Holmium	165-2	3927169	3866396	3874440	3889335	0.85	cps
Indium	115-1	4615708	4582883	4558141	4585577	0.63	cps
Indium	115-2	1730092	1702026	1692615	1708244	1.14	cps
Iron	56-2	228321750	228979297	226483897	227928314	0.57	cps
Iron	57-2	5638281	5666664	5578386	5627777	0.80	cps
Iron	54-2	12553539	12595360	12537824	12562241	0.24	cps
Krypton	83-1	223	227	183	211	11.42	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-06	Instrumnet Name :	P7
Client Sample ID :	MYE494D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:19:11	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	159969	163207	161880	161686	1.01	cps
Lead	207-1	136996	140235	140801	139344	1.47	cps
Lead	208-1	627573	636093	636277	633314	0.79	cps
Lithium	6-1	525109	523257	515457	521274	0.98	cps
Magnesium	24-2	5569304	5592935	5542809	5568349	0.45	cps
Manganese	55-2	4007274	3993778	3979338	3993463	0.35	cps
Molybdenum	94-1	66641	69474	67344	67819	2.18	cps
Molybdenum	95-1	3337	3497	3497	3444	2.68	cps
Molybdenum	96-1	16216	16970	16359	16515	2.43	cps
Molybdenum	97-1	2207	2180	2054	2147	3.82	cps
Molybdenum	98-1	4904	5324	5024	5084	4.26	cps
Neodymium	150-1	80196	83170	81403	81590	1.83	cps
Neodymium	150-2	48470	47182	47587	47746	1.38	cps
Nickel	60-2	109930	109385	109600	109639	0.25	cps
Phosphorus	31-2	22917	22577	22790	22762	0.76	cps
Potassium	39-2	3331424	3341533	3325404	3332787	0.24	cps
Rhodium	103-1	4239644	4303771	4278541	4273985	0.76	cps
Rhodium	103-2	2858186	2875959	2856028	2863391	0.38	cps
Scandium	45-1	2617353	2639355	2648982	2635230	0.62	cps
Scandium	45-2	308560	308580	307454	308198	0.21	cps
Selenium	82-1	321	341	345	336	3.83	cps
Selenium	77-2	160	177	197	178	10.33	cps
Selenium	78-2	483	400	437	440	9.49	cps
Silicon	28-1	8431930	8569170	8558771	8519957	0.90	cps
Silver	107-1	2154	2144	2207	2168	1.57	cps
Silver	109-1	1827	1933	2020	1927	5.03	cps
Sodium	23-2	222897	224366	222276	223179	0.48	cps
Strontium	86-1	407220	411152	416976	411783	1.19	cps
Strontium	88-1	3687564	3833943	3811129	3777545	2.08	cps
Sulfur	34-1	104662	104323	103034	104006	0.83	cps
Terbium	159-1	5918905	6023380	5781100	5907795	2.06	cps
Terbium	159-2	3787452	3909953	3891965	3863124	1.71	cps
Thallium	203-1	1567	1580	1463	1537	4.16	cps
Thallium	205-1	3520	3704	3577	3601	2.61	cps
Tin	118-1	11895	11708	11421	11675	2.04	cps
Titanium	47-1	789544	799906	794668	794706	0.65	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-06	Instrumnet Name :	P7
Client Sample ID :	MYE494D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:19:11	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16170	16610	16203	16328	1.50	cps
Vanadium	51-2	465124	463609	461528	463420	0.39	cps
Yttrium	89-1	8202416	8168329	8127672	8166139	0.46	cps
Yttrium	89-2	2433791	2412843	2444583	2430405	0.66	cps
Zinc	66-2	97932	97331	97626	97630	0.31	cps
Zirconium	90-1	179115	183978	184258	182451	1.58	cps
Zirconium	91-1	39222	40870	40560	40217	2.18	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05LX5	Instrumnet Name :	P7
Client Sample ID :	MYE494L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 15:22:28	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1344186	1349267	1343703	1345718	0.23	cps
Antimony	121-1	2010	2150	2234	2131	5.30	cps
Arsenic	75-2	7315	7385	7098	7266	2.06	cps
Barium	135-1	152476	155029	153423	153643	0.84	cps
Barium	137-1	263657	268777	266183	266206	0.96	cps
Beryllium	9-1	213	167	170	183	14.20	cps
Bismuth	209-1	3596172	3557707	3557249	3570376	0.63	cps
Bismuth	209-2	2750077	2714051	2683749	2715959	1.22	cps
Bromine	81-1	5551	5661	5638	5617	1.03	cps
Bromine	81-2	117	183	173	158	22.79	cps
Cadmium	108-1	33	30	33	32	5.97	cps
Cadmium	106-1	1117	1113	1050	1093	3.44	cps
Cadmium	111-1	1005	1005	922	977	4.92	cps
Calcium	43-1	73102	73681	74110	73631	0.69	cps
Calcium	44-1	1197534	1221618	1218133	1212428	1.07	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	49715	48641	49357	49238	1.11	cps
Cobalt	59-2	34760	35028	35131	34973	0.55	cps
Copper	63-2	98659	97025	98002	97895	0.84	cps
Dysprosium	156-1	7685	7662	7532	7627	1.08	cps
Dysprosium	156-2	6872	6815	6378	6688	4.04	cps
Erbium	164-1	5745	5761	5721	5742	0.35	cps
Erbium	164-2	4104	3817	3914	3945	3.70	cps
Gadolinium	160-1	6975	7435	7065	7159	3.41	cps
Gadolinium	160-2	5124	5231	5094	5150	1.40	cps
Holmium	165-1	5662893	5686988	5695186	5681689	0.30	cps
Holmium	165-2	3857760	3864146	3909078	3876995	0.72	cps
Indium	115-1	4577250	4636085	4570331	4594555	0.79	cps
Indium	115-2	1743513	1720054	1700651	1721406	1.25	cps
Iron	56-2	40665264	41207674	41301441	41058126	0.84	cps
Iron	57-2	1049694	1040426	1052525	1047548	0.60	cps
Iron	54-2	2326281	2283699	2275941	2295307	1.18	cps
Krypton	83-1	180	143	187	170	13.72	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05LX5	Instrumnet Name :	P7
Client Sample ID :	MYE494L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 15:22:28	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	30441	30919	30274	30544	1.10	cps
Lead	207-1	25284	26229	25928	25813	1.87	cps
Lead	208-1	117989	119761	118524	118758	0.77	cps
Lithium	6-1	504282	516874	519368	513508	1.57	cps
Magnesium	24-2	1032507	1024499	1030304	1029103	0.40	cps
Manganese	55-2	722287	721877	720675	721613	0.12	cps
Molybdenum	94-1	12062	12375	12219	12219	1.28	cps
Molybdenum	95-1	713	763	717	731	3.82	cps
Molybdenum	96-1	3207	3340	3147	3231	3.06	cps
Molybdenum	97-1	433	470	530	478	10.21	cps
Molybdenum	98-1	1197	1190	1160	1182	1.65	cps
Neodymium	150-1	14841	14811	14848	14833	0.13	cps
Neodymium	150-2	8499	8823	8473	8598	2.27	cps
Nickel	60-2	19860	20127	20023	20003	0.67	cps
Phosphorus	31-2	4181	4294	4171	4215	1.63	cps
Potassium	39-2	698466	694255	689732	694151	0.63	cps
Rhodium	103-1	4253118	4297981	4285542	4278880	0.54	cps
Rhodium	103-2	2942332	2883170	2866414	2897305	1.38	cps
Scandium	45-1	2473723	2500378	2538019	2504040	1.29	cps
Scandium	45-2	290281	287469	288076	288609	0.51	cps
Selenium	82-1	289	318	279	295	6.96	cps
Selenium	77-2	20	23	20	21	9.11	cps
Selenium	78-2	390	377	420	396	5.61	cps
Silicon	28-1	1816898	1821205	1796580	1811561	0.73	cps
Silver	107-1	450	513	367	443	16.59	cps
Silver	109-1	407	450	483	447	8.61	cps
Sodium	23-2	74553	74593	75135	74760	0.44	cps
Strontium	86-1	75563	75433	75690	75562	0.17	cps
Strontium	88-1	654794	668289	663142	662075	1.03	cps
Sulfur	34-1	98615	98652	97770	98346	0.51	cps
Terbium	159-1	5843177	5783842	5739209	5788743	0.90	cps
Terbium	159-2	3896265	3846637	3840629	3861177	0.79	cps
Thallium	203-1	377	417	410	401	5.34	cps
Thallium	205-1	947	877	800	874	8.39	cps
Tin	118-1	3010	3244	3207	3154	3.98	cps
Titanium	47-1	144836	145358	146276	145490	0.50	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05LX5	Instrumnet Name :	P7
Client Sample ID :	MYE494L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 15:22:28	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2977	2847	2937	2920	2.28	cps
Vanadium	51-2	81991	83013	81928	82311	0.74	cps
Yttrium	89-1	7668656	7851467	7820330	7780151	1.26	cps
Yttrium	89-2	2345108	2292273	2295762	2311048	1.28	cps
Zinc	66-2	18255	18004	18919	18393	2.57	cps
Zirconium	90-1	31704	32723	32543	32323	1.68	cps
Zirconium	91-1	6965	7222	7132	7106	1.83	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-07	Instrumnet Name :	P7
Client Sample ID :	MYE494S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:25:43	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7552856	7534948	7564009	7550604	0.19	cps
Antimony	121-1	370444	376923	375908	374425	0.93	cps
Arsenic	75-2	49502	50124	48880	49502	1.26	cps
Barium	135-1	2780517	2830614	2859560	2823564	1.42	cps
Barium	137-1	4812702	4834923	4855761	4834462	0.45	cps
Beryllium	9-1	19900	20734	20240	20291	2.07	cps
Bismuth	209-1	3493482	3561412	3536854	3530582	0.97	cps
Bismuth	209-2	2661293	2702334	2640980	2668202	1.17	cps
Bromine	81-1	7058	7168	7669	7299	4.46	cps
Bromine	81-2	653	603	593	617	5.21	cps
Cadmium	108-1	3030	3084	3064	3059	0.88	cps
Cadmium	106-1	5128	5231	5444	5268	3.07	cps
Cadmium	111-1	44622	45012	45142	44925	0.60	cps
Calcium	43-1	388092	394949	397600	393547	1.25	cps
Calcium	44-1	6031849	6183219	6252475	6155848	1.83	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	643683	644259	641303	643082	0.24	cps
Cobalt	59-2	1608937	1605435	1629260	1614544	0.80	cps
Copper	63-2	993151	995670	990806	993209	0.24	cps
Dysprosium	156-1	39001	40492	40592	40028	2.23	cps
Dysprosium	156-2	35408	36210	36069	35896	1.19	cps
Erbium	164-1	30941	31920	31916	31592	1.79	cps
Erbium	164-2	21370	21851	21714	21645	1.14	cps
Gadolinium	160-1	38155	37905	38797	38286	1.20	cps
Gadolinium	160-2	27460	27988	27931	27793	1.04	cps
Holmium	165-1	5721855	5794427	5673263	5729848	1.06	cps
Holmium	165-2	3921412	3914987	3855511	3897303	0.93	cps
Indium	115-1	4623787	4538560	4604916	4589088	0.98	cps
Indium	115-2	1724255	1732984	1721432	1726224	0.35	cps
Iron	56-2	228607210	228978610	225631103	227738974	0.81	cps
Iron	57-2	5651698	5614682	5689711	5652031	0.66	cps
Iron	54-2	12708210	12519705	12570121	12599345	0.77	cps
Krypton	83-1	160	223	223	202	18.08	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-07	Instrumnet Name :	P7
Client Sample ID :	MYE494S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:25:43	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	208829	210674	212744	210749	0.93	cps
Lead	207-1	178898	181273	180003	180058	0.66	cps
Lead	208-1	816838	826434	829454	824242	0.80	cps
Lithium	6-1	520719	521797	506240	516252	1.68	cps
Magnesium	24-2	5577879	5500972	5446266	5508372	1.20	cps
Manganese	55-2	4659831	4599826	4579273	4612977	0.91	cps
Molybdenum	94-1	66745	67565	68496	67602	1.30	cps
Molybdenum	95-1	3367	3394	3514	3425	2.28	cps
Molybdenum	96-1	16162	16166	16259	16196	0.34	cps
Molybdenum	97-1	2154	1993	2197	2115	5.07	cps
Molybdenum	98-1	5241	5044	5284	5190	2.47	cps
Neodymium	150-1	79516	82446	82201	81388	2.00	cps
Neodymium	150-2	48543	48082	48192	48272	0.50	cps
Nickel	60-2	456790	454891	456563	456081	0.23	cps
Phosphorus	31-2	22396	22543	22590	22510	0.45	cps
Potassium	39-2	3321031	3294226	3287599	3300952	0.54	cps
Rhodium	103-1	4270172	4310315	4322684	4301057	0.64	cps
Rhodium	103-2	2862747	2857958	2892942	2871216	0.66	cps
Scandium	45-1	2665687	2644666	2691753	2667369	0.88	cps
Scandium	45-2	307241	308706	310803	308916	0.58	cps
Selenium	82-1	5886	5904	5948	5913	0.54	cps
Selenium	77-2	773	833	743	783	5.85	cps
Selenium	78-2	2674	2570	2700	2648	2.59	cps
Silicon	28-1	8771203	9013978	8926347	8903843	1.38	cps
Silver	107-1	186829	189226	190073	188710	0.89	cps
Silver	109-1	175735	178829	178673	177745	0.98	cps
Sodium	23-2	224419	223891	222184	223498	0.52	cps
Strontium	86-1	402207	408560	413376	408048	1.37	cps
Strontium	88-1	3667971	3778904	3749212	3732029	1.54	cps
Sulfur	34-1	104259	103557	103722	103846	0.35	cps
Terbium	159-1	5948197	5967274	5859194	5924888	0.97	cps
Terbium	159-2	3882858	3893298	3891552	3889236	0.14	cps
Thallium	203-1	146171	146939	148759	147290	0.90	cps
Thallium	205-1	341355	347886	347556	345599	1.06	cps
Tin	118-1	11938	11718	12249	11968	2.23	cps
Titanium	47-1	781428	793279	792755	789154	0.85	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-07	Instrumnet Name :	P7
Client Sample ID :	MYE494S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:25:43	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15753	16147	16394	16098	2.01	cps
Vanadium	51-2	1296161	1276912	1282131	1285068	0.77	cps
Yttrium	89-1	8259555	8226886	8240759	8242400	0.20	cps
Yttrium	89-2	2448756	2427286	2452766	2442936	0.56	cps
Zinc	66-2	257963	258149	256339	257484	0.39	cps
Zirconium	90-1	174326	177750	180368	177481	1.71	cps
Zirconium	91-1	39319	40128	39252	39567	1.23	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV037	Instrumnet Name :	P7
Client Sample ID :	CCV037	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:28:47	DataFile Name :	057CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6753289	6769644	6845782	6789572	0.73	cps
Antimony	121-1	2812478	2868729	2888693	2856633	1.38	cps
Arsenic	75-2	193696	194615	192126	193479	0.65	cps
Barium	135-1	3503053	3596007	3597481	3565514	1.52	cps
Barium	137-1	6107740	6168635	6242740	6173038	1.10	cps
Beryllium	9-1	284866	292940	293509	290438	1.66	cps
Bismuth	209-1	3645804	3702205	3580996	3643002	1.66	cps
Bismuth	209-2	2609144	2625746	2653551	2629480	0.85	cps
Bromine	81-1	5461	5704	5528	5564	2.26	cps
Bromine	81-2	60	73	50	61	19.15	cps
Cadmium	108-1	47116	47788	48765	47890	1.73	cps
Cadmium	106-1	66997	68926	68521	68148	1.49	cps
Cadmium	111-1	650042	670892	667691	662875	1.69	cps
Calcium	43-1	3300653	3392440	3344662	3345918	1.37	cps
Calcium	44-1	52814199	54317651	54564916	53898922	1.76	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1367606	1341342	1361780	1356910	1.02	cps
Cobalt	59-2	2129373	2110938	2126609	2122307	0.47	cps
Copper	63-2	14980423	14980144	14830821	14930463	0.58	cps
Dysprosium	156-1	253	273	257	261	4.10	cps
Dysprosium	156-2	180	303	290	258	26.26	cps
Erbium	164-1	193	163	160	172	10.66	cps
Erbium	164-2	133	103	113	117	13.09	cps
Gadolinium	160-1	127	100	133	120	14.70	cps
Gadolinium	160-2	207	230	237	224	7.02	cps
Holmium	165-1	5950630	6048556	6041293	6013493	0.91	cps
Holmium	165-2	4032835	4061849	4023875	4039519	0.49	cps
Indium	115-1	4626932	4742769	4715273	4694992	1.29	cps
Indium	115-2	1746802	1711331	1742725	1733619	1.12	cps
Iron	56-2	286907002	288968136	285593909	287156349	0.59	cps
Iron	57-2	7089000	7091776	7148542	7109773	0.47	cps
Iron	54-2	15873518	15857590	15880166	15870424	0.07	cps
Krypton	83-1	200	253	210	221	12.82	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV037	Instrumnet Name :	P7
Client Sample ID :	CCV037	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:28:47	DataFile Name :	057CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9866501	10169747	10147396	10061215	1.68	cps
Lead	207-1	8729518	9027799	8851668	8869662	1.69	cps
Lead	208-1	39978919	40696608	40227865	40301131	0.90	cps
Lithium	6-1	554073	553860	549507	552480	0.47	cps
Magnesium	24-2	58962746	58540191	59570312	59024416	0.88	cps
Manganese	55-2	9753512	9742555	9665185	9720417	0.50	cps
Molybdenum	94-1	10362279	10639199	10775668	10592382	1.99	cps
Molybdenum	95-1	15096337	15417401	15470094	15327944	1.32	cps
Molybdenum	96-1	16473479	16694336	16779153	16648989	0.95	cps
Molybdenum	97-1	9255859	9594718	9546762	9465779	1.94	cps
Molybdenum	98-1	24101250	24663457	24927485	24564064	1.72	cps
Neodymium	150-1	193	190	187	190	1.76	cps
Neodymium	150-2	63	57	107	76	35.93	cps
Nickel	60-2	514319	517647	519426	517131	0.50	cps
Phosphorus	31-2	81107	81868	81811	81595	0.52	cps
Potassium	39-2	38812378	38622164	38974289	38802944	0.45	cps
Rhodium	103-1	4294612	4384478	4301367	4326819	1.16	cps
Rhodium	103-2	2872766	2787848	2845202	2835272	1.53	cps
Scandium	45-1	2592198	2652752	2631801	2625584	1.17	cps
Scandium	45-2	302651	304240	305081	303991	0.41	cps
Selenium	82-1	41001	41581	41428	41337	0.73	cps
Selenium	77-2	4831	4587	4851	4756	3.08	cps
Selenium	78-2	16823	16059	16436	16439	2.32	cps
Silicon	28-1	17482638	18031196	17833670	17782501	1.56	cps
Silver	107-1	3424323	3476153	3480096	3460190	0.90	cps
Silver	109-1	3273880	3306959	3347375	3309405	1.11	cps
Sodium	23-2	98169615	97192225	98309335	97890392	0.62	cps
Strontium	86-1	21406376	21789618	22100106	21765367	1.60	cps
Strontium	88-1	190563290	192575204	192833624	191990706	0.65	cps
Sulfur	34-1	283148	286488	288281	285972	0.91	cps
Terbium	159-1	6140774	6239728	6235616	6205373	0.90	cps
Terbium	159-2	3995220	3946437	4009885	3983847	0.83	cps
Thallium	203-1	2507155	2543413	2550909	2533826	0.92	cps
Thallium	205-1	5978797	5951346	6034202	5988115	0.70	cps
Tin	118-1	2182777	2233357	2256123	2224086	1.69	cps
Titanium	47-1	3584886	3580268	3639532	3601562	0.92	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV037	Instrumnet Name :	P7
Client Sample ID :	CCV037	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:28:47	DataFile Name :	057CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7970642	8049383	8116385	8045470	0.91	cps
Vanadium	51-2	1229406	1228028	1233982	1230472	0.25	cps
Yttrium	89-1	8125112	8254713	8208725	8196184	0.80	cps
Yttrium	89-2	2353911	2361638	2378201	2364583	0.52	cps
Zinc	66-2	2516068	2516154	2495440	2509221	0.48	cps
Zirconium	90-1	4768089	4830525	4846242	4814952	0.86	cps
Zirconium	91-1	1031003	1055282	1062361	1049549	1.57	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB037	Instrumnet Name :	P7
Client Sample ID :	CCB037	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:31:35	DataFile Name :	058CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1027	967	923	972	5.34	cps
Antimony	121-1	2054	1887	1793	1911	6.89	cps
Arsenic	75-2	47	27	30	34	31.11	cps
Barium	135-1	450	317	407	391	17.39	cps
Barium	137-1	800	717	580	699	15.89	cps
Beryllium	9-1	60	60	37	52	25.79	cps
Bismuth	209-1	3902104	3597437	3713215	3737585	4.11	cps
Bismuth	209-2	2821379	2803897	2776675	2800650	0.80	cps
Bromine	81-1	5351	5461	5424	5412	1.04	cps
Bromine	81-2	110	70	93	91	22.05	cps
Cadmium	108-1	20	17	7	14	48.02	cps
Cadmium	106-1	1133	1140	977	1083	8.53	cps
Cadmium	111-1	859	846	756	820	6.88	cps
Calcium	43-1	487	420	307	404	22.50	cps
Calcium	44-1	14771	13583	13500	13951	5.10	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	640	767	673	693	9.47	cps
Cobalt	59-2	303	283	307	298	4.24	cps
Copper	63-2	2374	2317	2134	2275	5.52	cps
Dysprosium	156-1	127	107	110	114	9.36	cps
Dysprosium	156-2	53	37	43	44	18.87	cps
Erbium	164-1	40	30	53	41	28.47	cps
Erbium	164-2	27	13	30	23	37.81	cps
Gadolinium	160-1	13	27	37	26	45.82	cps
Gadolinium	160-2	117	173	147	146	19.48	cps
Holmium	165-1	6054771	5692002	5792159	5846311	3.20	cps
Holmium	165-2	3999646	3972882	3984872	3985800	0.34	cps
Indium	115-1	5031698	4849420	4778220	4886446	2.68	cps
Indium	115-2	1810090	1800943	1786996	1799343	0.65	cps
Iron	56-2	37787	36234	36431	36817	2.30	cps
Iron	57-2	3167	3420	3444	3344	4.59	cps
Iron	54-2	2730	2817	2670	2739	2.69	cps
Krypton	83-1	183	230	203	206	11.39	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB037	Instrumnet Name :	P7
Client Sample ID :	CCB037	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:31:35	DataFile Name :	058CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1373	1310	1030	1238	14.76	cps
Lead	207-1	1143	897	980	1007	12.46	cps
Lead	208-1	5424	4567	4237	4743	12.92	cps
Lithium	6-1	539890	510385	524738	525004	2.81	cps
Magnesium	24-2	4754	4511	4521	4595	3.00	cps
Manganese	55-2	1217	1220	1223	1220	0.27	cps
Molybdenum	94-1	1280	1173	1253	1236	4.49	cps
Molybdenum	95-1	1617	1460	1420	1499	6.93	cps
Molybdenum	96-1	1927	1623	1557	1702	11.59	cps
Molybdenum	97-1	1043	887	863	931	10.51	cps
Molybdenum	98-1	2627	2287	2214	2376	9.28	cps
Neodymium	150-1	13	30	7	17	72.11	cps
Neodymium	150-2	10	0	10	7	86.60	cps
Nickel	60-2	153	147	153	151	2.55	cps
Phosphorus	31-2	133	130	150	138	7.78	cps
Potassium	39-2	85820	86873	85649	86114	0.77	cps
Rhodium	103-1	4777556	4402146	4541611	4573771	4.15	cps
Rhodium	103-2	3028337	3008985	2967702	3001675	1.03	cps
Scandium	45-1	2703441	2531811	2570714	2601989	3.46	cps
Scandium	45-2	301498	299602	300369	300490	0.32	cps
Selenium	82-1	269	200	256	241	15.20	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	357	340	353	350	2.52	cps
Silicon	28-1	183842	180639	179477	181319	1.25	cps
Silver	107-1	533	430	420	461	13.61	cps
Silver	109-1	553	453	333	447	24.66	cps
Sodium	23-2	53268	52703	52158	52710	1.05	cps
Strontium	86-1	2084	1850	1720	1885	9.77	cps
Strontium	88-1	15942	12509	11765	13405	16.62	cps
Sulfur	34-1	123850	124280	123097	123742	0.48	cps
Terbium	159-1	6172319	5911563	5958824	6014235	2.31	cps
Terbium	159-2	3913934	4009058	3993398	3972130	1.28	cps
Thallium	203-1	683	540	523	582	15.11	cps
Thallium	205-1	1507	1200	1270	1326	12.12	cps
Tin	118-1	1377	1583	1317	1426	9.81	cps
Titanium	47-1	460	470	403	444	8.09	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB037	Instrumnet Name :	P7
Client Sample ID :	CCB037	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:31:35	DataFile Name :	058CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	617	483	440	513	17.94	cps
Vanadium	51-2	67	127	123	106	31.94	cps
Yttrium	89-1	8360301	7767039	8044923	8057421	3.68	cps
Yttrium	89-2	2405556	2364833	2416103	2395497	1.13	cps
Zinc	66-2	510	463	507	493	5.28	cps
Zirconium	90-1	793	680	790	754	8.55	cps
Zirconium	91-1	207	143	117	156	29.72	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05MS	Instrumnet Name :	P7
Client Sample ID :	MYE494SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:34:52	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8165353	8227873	8146628	8179951	0.52	cps
Antimony	121-1	1677168	1688322	1685132	1683541	0.34	cps
Arsenic	75-2	84217	82065	82025	82769	1.52	cps
Barium	135-1	8898464	9061618	9177253	9045778	1.55	cps
Barium	137-1	15619462	15668306	15788106	15691958	0.55	cps
Beryllium	9-1	83211	84599	85531	84447	1.38	cps
Bismuth	209-1	3606199	3569403	3502431	3559344	1.48	cps
Bismuth	209-2	2689597	2658941	2646320	2664953	0.84	cps
Bromine	81-1	7422	7469	7322	7404	1.01	cps
Bromine	81-2	687	570	543	600	12.71	cps
Cadmium	108-1	12736	12242	12939	12639	2.84	cps
Cadmium	106-1	18108	18749	18956	18604	2.38	cps
Cadmium	111-1	185433	189389	191632	188818	1.66	cps
Calcium	43-1	381654	393429	393210	389431	1.73	cps
Calcium	44-1	5957474	6201671	6146950	6102032	2.10	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1948766	1927100	1938527	1938131	0.56	cps
Cobalt	59-2	6413413	6310662	6372816	6365631	0.81	cps
Copper	63-2	2652769	2670977	2678609	2667452	0.50	cps
Dysprosium	156-1	39492	39429	39850	39590	0.57	cps
Dysprosium	156-2	35498	35562	34870	35310	1.08	cps
Erbium	164-1	30540	30523	31128	30730	1.12	cps
Erbium	164-2	20726	20782	20816	20774	0.22	cps
Gadolinium	160-1	36852	37898	36995	37248	1.52	cps
Gadolinium	160-2	27073	26959	26575	26869	0.97	cps
Holmium	165-1	5846756	5777976	5760953	5795228	0.78	cps
Holmium	165-2	3859114	3954143	3871562	3894939	1.33	cps
Indium	115-1	4694593	4634737	4595471	4641601	1.08	cps
Indium	115-2	1744278	1723409	1708045	1725244	1.05	cps
Iron	56-2	231719823	232220537	231622250	231854203	0.14	cps
Iron	57-2	5792618	5699448	5704616	5732227	0.91	cps
Iron	54-2	13015026	13026040	12945274	12995447	0.34	cps
Krypton	83-1	273	247	187	236	18.84	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05MS	Instrumnet Name :	P7
Client Sample ID :	MYE494SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:34:52	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	365253	363735	362975	363988	0.32	cps
Lead	207-1	313368	309093	312471	311644	0.72	cps
Lead	208-1	1436738	1434531	1437754	1436341	0.11	cps
Lithium	6-1	513719	508847	498251	506939	1.56	cps
Magnesium	24-2	5528677	5521936	5511019	5520544	0.16	cps
Manganese	55-2	6880254	6848309	6929579	6886047	0.59	cps
Molybdenum	94-1	64816	67441	67695	66651	2.39	cps
Molybdenum	95-1	3537	3520	3550	3536	0.43	cps
Molybdenum	96-1	16176	16289	16166	16210	0.42	cps
Molybdenum	97-1	2254	2194	2177	2208	1.83	cps
Molybdenum	98-1	5641	5574	5701	5639	1.12	cps
Neodymium	150-1	79586	79723	79060	79456	0.44	cps
Neodymium	150-2	46687	47771	47021	47160	1.18	cps
Nickel	60-2	1730051	1714931	1705209	1716730	0.73	cps
Phosphorus	31-2	22497	22597	22316	22470	0.63	cps
Potassium	39-2	3350401	3340129	3300705	3330412	0.79	cps
Rhodium	103-1	4367898	4397988	4245504	4337130	1.86	cps
Rhodium	103-2	2901259	2865695	2844185	2870379	1.00	cps
Scandium	45-1	2726494	2765495	2721785	2737925	0.88	cps
Scandium	45-2	319558	319493	317174	318742	0.43	cps
Selenium	82-1	26320	26837	27083	26747	1.46	cps
Selenium	77-2	3240	3207	3284	3244	1.19	cps
Selenium	78-2	10804	10631	11007	10814	1.74	cps
Silicon	28-1	8597660	8750578	8840022	8729420	1.40	cps
Silver	107-1	578974	577752	608259	588329	2.94	cps
Silver	109-1	574755	592999	611182	592979	3.07	cps
Sodium	23-2	229820	230700	231367	230629	0.34	cps
Strontium	86-1	395949	399743	408196	401296	1.56	cps
Strontium	88-1	3612865	3711335	3677147	3667116	1.36	cps
Sulfur	34-1	117558	115129	111291	114659	2.76	cps
Terbium	159-1	5959857	6027154	5897705	5961572	1.09	cps
Terbium	159-2	3935659	3892660	3828874	3885731	1.38	cps
Thallium	203-1	631187	636430	633776	633797	0.41	cps
Thallium	205-1	1503059	1500242	1495709	1499670	0.25	cps
Tin	118-1	11421	11752	11635	11603	1.44	cps
Titanium	47-1	762616	786187	785174	777992	1.71	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05MS	Instrumnet Name :	P7
Client Sample ID :	MYE494SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:34:52	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15476	15653	15886	15672	1.31	cps
Vanadium	51-2	4145754	4133842	4128963	4136186	0.21	cps
Yttrium	89-1	8273330	8370947	8283421	8309233	0.65	cps
Yttrium	89-2	2482583	2481637	2444941	2469720	0.87	cps
Zinc	66-2	802976	800762	799663	801134	0.21	cps
Zirconium	90-1	172407	176466	174831	174568	1.17	cps
Zirconium	91-1	38557	39370	39787	39238	1.59	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-01	Instrumnet Name :	P7
Client Sample ID :	MYE450	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:37:53	DataFile Name :	060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5787936	5685079	5678543	5717186	1.07	cps
Antimony	121-1	14427	14607	14754	14596	1.12	cps
Arsenic	75-2	39736	39101	39840	39559	1.01	cps
Barium	135-1	557896	574919	571420	568078	1.58	cps
Barium	137-1	965520	986442	986295	979419	1.23	cps
Beryllium	9-1	773	643	770	729	10.17	cps
Bismuth	209-1	3630383	3157930	3514252	3434188	7.17	cps
Bismuth	209-2	2703042	2692636	2686850	2694176	0.30	cps
Bromine	81-1	6558	6758	7015	6777	3.38	cps
Bromine	81-2	493	500	457	483	4.83	cps
Cadmium	108-1	253	260	277	263	4.56	cps
Cadmium	106-1	1550	1347	1590	1496	8.73	cps
Cadmium	111-1	3535	3528	3676	3580	2.34	cps
Calcium	43-1	408984	422386	420372	417248	1.73	cps
Calcium	44-1	6446274	6658741	6590958	6565325	1.65	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	277527	278641	273986	276718	0.88	cps
Cobalt	59-2	189838	189119	186664	188540	0.88	cps
Copper	63-2	933987	940663	937736	937462	0.36	cps
Dysprosium	156-1	37410	38920	37811	38047	2.06	cps
Dysprosium	156-2	32488	33363	33423	33091	1.58	cps
Erbium	164-1	28823	30103	30580	29835	3.05	cps
Erbium	164-2	20558	20438	20358	20452	0.49	cps
Gadolinium	160-1	34960	36417	35826	35734	2.05	cps
Gadolinium	160-2	25951	25373	25734	25686	1.14	cps
Holmium	165-1	5853809	5022929	5780664	5552467	8.29	cps
Holmium	165-2	3921736	3890034	3808387	3873386	1.51	cps
Indium	115-1	4677409	4164010	4613876	4485098	6.24	cps
Indium	115-2	1756854	1764512	1737779	1753049	0.79	cps
Iron	56-2	204182330	205029577	202431477	203881128	0.65	cps
Iron	57-2	5057368	5058487	5047140	5054332	0.12	cps
Iron	54-2	11274582	11264755	11194882	11244740	0.39	cps
Krypton	83-1	193	217	213	208	6.07	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-01	Instrumnet Name :	P7
Client Sample ID :	MYE450	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:37:53	DataFile Name :	060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	271888	273387	271218	272164	0.41	cps
Lead	207-1	231115	236822	234661	234199	1.23	cps
Lead	208-1	1061157	1081253	1070485	1070965	0.94	cps
Lithium	6-1	512220	453469	501491	489060	6.40	cps
Magnesium	24-2	4593745	4615568	4690939	4633417	1.10	cps
Manganese	55-2	4419210	4416996	4389262	4408489	0.38	cps
Molybdenum	94-1	46881	48737	48741	48120	2.23	cps
Molybdenum	95-1	7015	6772	6782	6856	2.01	cps
Molybdenum	96-1	15602	16079	16222	15968	2.03	cps
Molybdenum	97-1	4054	4344	4134	4177	3.59	cps
Molybdenum	98-1	10624	11388	11054	11022	3.47	cps
Neodymium	150-1	71426	72706	73524	72552	1.46	cps
Neodymium	150-2	43624	41989	42223	42612	2.07	cps
Nickel	60-2	83688	81664	82646	82666	1.22	cps
Phosphorus	31-2	27658	26900	27248	27269	1.39	cps
Potassium	39-2	4437004	4419444	4409051	4421833	0.32	cps
Rhodium	103-1	4287822	3770473	4323386	4127227	7.50	cps
Rhodium	103-2	2898750	2907399	2851835	2885995	1.04	cps
Scandium	45-1	2706510	2379787	2640322	2575540	6.71	cps
Scandium	45-2	314534	313693	314172	314133	0.13	cps
Selenium	82-1	447	404	429	427	5.06	cps
Selenium	77-2	157	107	130	131	19.08	cps
Selenium	78-2	457	493	550	500	9.40	cps
Silicon	28-1	10626310	11064040	11101689	10930680	2.42	cps
Silver	107-1	5214	4971	5148	5111	2.46	cps
Silver	109-1	4851	4667	4467	4662	4.11	cps
Sodium	23-2	180212	177534	178306	178684	0.77	cps
Strontium	86-1	251156	259260	255958	255458	1.60	cps
Strontium	88-1	2314086	2349221	2391125	2351477	1.64	cps
Sulfur	34-1	110415	108944	109479	109613	0.68	cps
Terbium	159-1	6088198	5171036	5852077	5703770	8.35	cps
Terbium	159-2	3925050	3863912	3895289	3894750	0.78	cps
Thallium	203-1	1817	1930	1860	1869	3.06	cps
Thallium	205-1	4501	4381	4187	4356	3.63	cps
Tin	118-1	8813	9373	9457	9214	3.80	cps
Titanium	47-1	817371	835798	844168	832446	1.65	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-01	Instrumnet Name :	P7
Client Sample ID :	MYE450	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:37:53	DataFile Name :	060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	23083	23831	24299	23738	2.58	cps
Vanadium	51-2	407195	407861	408221	407759	0.13	cps
Yttrium	89-1	8404480	7358511	8324812	8029267	7.25	cps
Yttrium	89-2	2513328	2453304	2454592	2473742	1.39	cps
Zinc	66-2	141359	141147	140185	140897	0.44	cps
Zirconium	90-1	114513	120654	120419	118529	2.94	cps
Zirconium	91-1	25873	27135	26601	26536	2.39	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-02	Instrumnet Name :	P7
Client Sample ID :	MYE451	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:41:00	DataFile Name :	061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5432316	5520982	5477595	5476964	0.81	cps
Antimony	121-1	12279	12612	12833	12574	2.22	cps
Arsenic	75-2	33655	33347	33057	33353	0.90	cps
Barium	135-1	528836	532089	534407	531777	0.53	cps
Barium	137-1	910675	925989	930154	922273	1.11	cps
Beryllium	9-1	787	760	827	791	4.24	cps
Bismuth	209-1	3573545	3573171	3538519	3561745	0.56	cps
Bismuth	209-2	2677505	2672344	2675237	2675029	0.10	cps
Bromine	81-1	6602	6735	6802	6713	1.52	cps
Bromine	81-2	507	460	567	511	10.46	cps
Cadmium	108-1	210	247	207	221	10.04	cps
Cadmium	106-1	1500	1490	1433	1475	2.44	cps
Cadmium	111-1	3197	3191	3376	3254	3.23	cps
Calcium	43-1	156859	159680	156434	157658	1.12	cps
Calcium	44-1	2494063	2518864	2469222	2494050	1.00	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	259335	260107	262047	260496	0.54	cps
Cobalt	59-2	177342	175413	173700	175485	1.04	cps
Copper	63-2	793442	794319	795586	794449	0.14	cps
Dysprosium	156-1	37152	38188	37754	37698	1.38	cps
Dysprosium	156-2	31966	33072	32184	32407	1.81	cps
Erbium	164-1	29661	30507	29792	29987	1.52	cps
Erbium	164-2	19631	20502	19470	19868	2.79	cps
Gadolinium	160-1	35278	36514	36056	35949	1.74	cps
Gadolinium	160-2	25493	25587	26034	25705	1.13	cps
Holmium	165-1	5756778	5764899	5758360	5760012	0.07	cps
Holmium	165-2	3876690	3894838	3849068	3873532	0.60	cps
Indium	115-1	4651552	4627538	4578249	4619113	0.81	cps
Indium	115-2	1744308	1734286	1722119	1733571	0.64	cps
Iron	56-2	204981317	203821670	203339044	204047344	0.41	cps
Iron	57-2	5011765	5058196	5027160	5032373	0.47	cps
Iron	54-2	11239942	11316631	11263629	11273401	0.35	cps
Krypton	83-1	247	220	207	224	9.07	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-02	Instrumnet Name :	P7
Client Sample ID :	MYE451	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:41:00	DataFile Name :	061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	251125	253966	252081	252391	0.57	cps
Lead	207-1	218344	219729	221488	219854	0.72	cps
Lead	208-1	992989	1000304	1003063	998785	0.52	cps
Lithium	6-1	514041	507771	505278	509030	0.89	cps
Magnesium	24-2	4182209	4259779	4322320	4254769	1.65	cps
Manganese	55-2	4069445	4159831	4091794	4107023	1.15	cps
Molybdenum	94-1	44367	45444	44658	44823	1.24	cps
Molybdenum	95-1	6748	6915	7075	6913	2.36	cps
Molybdenum	96-1	15612	16209	15849	15890	1.89	cps
Molybdenum	97-1	4181	4124	4401	4235	3.45	cps
Molybdenum	98-1	10764	11024	10854	10881	1.21	cps
Neodymium	150-1	71399	72716	71423	71846	1.05	cps
Neodymium	150-2	42403	42835	42400	42546	0.59	cps
Nickel	60-2	79704	81021	80538	80421	0.83	cps
Phosphorus	31-2	27084	27174	27198	27152	0.22	cps
Potassium	39-2	4301926	4263486	4282031	4282481	0.45	cps
Rhodium	103-1	4340949	4385601	4368775	4365108	0.52	cps
Rhodium	103-2	2870064	2945227	2889047	2901446	1.35	cps
Scandium	45-1	2693813	2611579	2670564	2658652	1.59	cps
Scandium	45-2	309523	311298	313678	311500	0.67	cps
Selenium	82-1	361	397	397	385	5.46	cps
Selenium	77-2	137	110	107	118	13.96	cps
Selenium	78-2	543	503	477	508	6.61	cps
Silicon	28-1	12125360	12641322	12556197	12440960	2.22	cps
Silver	107-1	3607	3871	3777	3752	3.56	cps
Silver	109-1	3467	3534	3650	3550	2.61	cps
Sodium	23-2	146836	147182	147189	147069	0.14	cps
Strontium	86-1	173524	175288	175582	174798	0.64	cps
Strontium	88-1	1555783	1613163	1601428	1590125	1.91	cps
Sulfur	34-1	107431	103873	102028	104444	2.63	cps
Terbium	159-1	5992642	6023474	5993693	6003270	0.29	cps
Terbium	159-2	3918497	3855613	3899495	3891201	0.83	cps
Thallium	203-1	1827	1840	1837	1835	0.38	cps
Thallium	205-1	4317	4461	4628	4469	3.47	cps
Tin	118-1	9690	9997	10117	9935	2.22	cps
Titanium	47-1	743885	754975	754842	751234	0.85	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-02	Instrumnet Name :	P7
Client Sample ID :	MYE451	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:41:00	DataFile Name :	061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	19534	19948	20633	20039	2.77	cps
Vanadium	51-2	393724	394866	396606	395065	0.37	cps
Yttrium	89-1	8384852	8425803	8348597	8386417	0.46	cps
Yttrium	89-2	2481947	2469101	2462645	2471231	0.40	cps
Zinc	66-2	139844	142697	140571	141037	1.05	cps
Zirconium	90-1	108867	114095	110640	111201	2.39	cps
Zirconium	91-1	24604	24494	24624	24574	0.29	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-03	Instrumnet Name :	P7
Client Sample ID :	MYE452	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:44:12	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6206621	6243485	6243158	6231088	0.34	cps
Antimony	121-1	11164	11108	10951	11074	1.00	cps
Arsenic	75-2	42073	41652	42848	42191	1.44	cps
Barium	135-1	688932	697917	697186	694678	0.72	cps
Barium	137-1	1189139	1203140	1200363	1197547	0.62	cps
Beryllium	9-1	997	847	823	889	10.58	cps
Bismuth	209-1	3572879	3567218	3290294	3476797	4.65	cps
Bismuth	209-2	2692657	2713219	2674758	2693545	0.71	cps
Bromine	81-1	6982	7219	7239	7146	2.00	cps
Bromine	81-2	607	557	540	568	6.11	cps
Cadmium	108-1	307	203	183	231	28.64	cps
Cadmium	106-1	1630	1477	1453	1520	6.31	cps
Cadmium	111-1	3180	3278	3166	3208	1.91	cps
Calcium	43-1	307553	309713	312620	309962	0.82	cps
Calcium	44-1	4777226	4966216	4968121	4903854	2.24	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	263564	265420	265160	264715	0.38	cps
Cobalt	59-2	184005	185378	186161	185181	0.59	cps
Copper	63-2	856707	867485	867655	863949	0.73	cps
Dysprosium	156-1	38299	39081	38991	38790	1.10	cps
Dysprosium	156-2	33026	33630	33583	33413	1.01	cps
Erbium	164-1	30994	31773	30824	31197	1.62	cps
Erbium	164-2	20879	21109	20796	20928	0.78	cps
Gadolinium	160-1	36728	36892	37116	36912	0.53	cps
Gadolinium	160-2	26044	25603	26181	25943	1.16	cps
Holmium	165-1	5851674	5845745	5438007	5711809	4.15	cps
Holmium	165-2	3951226	3967525	3884429	3934393	1.12	cps
Indium	115-1	4728910	4754082	4386470	4623154	4.44	cps
Indium	115-2	1798743	1772215	1736646	1769202	1.76	cps
Iron	56-2	202869270	203115697	203300044	203095004	0.11	cps
Iron	57-2	5031269	5063655	5053550	5049491	0.33	cps
Iron	54-2	11173127	11154111	11181966	11169734	0.13	cps
Krypton	83-1	190	217	160	189	15.01	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-03	Instrumnet Name :	P7
Client Sample ID :	MYE452	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:44:12	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	263102	266809	263856	264589	0.74	cps
Lead	207-1	225130	229202	229556	227963	1.08	cps
Lead	208-1	1032330	1039735	1032811	1034958	0.40	cps
Lithium	6-1	518280	516584	487974	507613	3.35	cps
Magnesium	24-2	4967426	4977720	5021053	4988733	0.57	cps
Manganese	55-2	5502244	5406240	5479245	5462576	0.92	cps
Molybdenum	94-1	47179	47056	47911	47382	0.98	cps
Molybdenum	95-1	5268	5391	5484	5381	2.02	cps
Molybdenum	96-1	14781	14824	15452	15019	2.50	cps
Molybdenum	97-1	3324	3514	3540	3459	3.42	cps
Molybdenum	98-1	8266	8826	8299	8464	3.71	cps
Neodymium	150-1	71436	72606	73065	72369	1.16	cps
Neodymium	150-2	42394	43022	42989	42801	0.83	cps
Nickel	60-2	89535	88439	89317	89097	0.65	cps
Phosphorus	31-2	18865	19119	18915	18966	0.71	cps
Potassium	39-2	3663774	3587894	3630072	3627247	1.05	cps
Rhodium	103-1	4397075	4319947	4074703	4263909	3.95	cps
Rhodium	103-2	2955227	2931383	2877608	2921406	1.36	cps
Scandium	45-1	2699923	2708500	2520670	2643031	4.01	cps
Scandium	45-2	315488	315142	312141	314257	0.59	cps
Selenium	82-1	404	381	446	410	8.07	cps
Selenium	77-2	140	137	170	149	12.33	cps
Selenium	78-2	480	433	493	469	6.72	cps
Silicon	28-1	10868539	11011019	11129673	11003077	1.19	cps
Silver	107-1	4507	4694	4457	4553	2.74	cps
Silver	109-1	4404	4501	4477	4461	1.13	cps
Sodium	23-2	200692	199975	202345	201004	0.60	cps
Strontium	86-1	195787	198289	199490	197855	0.95	cps
Strontium	88-1	1781727	1852240	1817740	1817236	1.94	cps
Sulfur	34-1	101611	101628	101316	101518	0.17	cps
Terbium	159-1	6048391	5932124	5582777	5854431	4.14	cps
Terbium	159-2	3993567	3922233	3959694	3958498	0.90	cps
Thallium	203-1	1917	1880	1940	1912	1.58	cps
Thallium	205-1	4301	4404	4551	4419	2.84	cps
Tin	118-1	9050	9043	9200	9097	0.97	cps
Titanium	47-1	710328	723751	733348	722476	1.60	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-03	Instrumnet Name :	P7
Client Sample ID :	MYE452	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:44:12	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16303	16213	16013	16177	0.92	cps
Vanadium	51-2	388469	389769	387557	388598	0.29	cps
Yttrium	89-1	8473698	8334104	7927124	8244975	3.44	cps
Yttrium	89-2	2532124	2498868	2438209	2489734	1.91	cps
Zinc	66-2	124595	126453	125687	125578	0.74	cps
Zirconium	90-1	120684	123763	123348	122598	1.36	cps
Zirconium	91-1	26881	27456	27412	27250	1.17	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-07	Instrumnet Name :	P7
Client Sample ID :	MYE454	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:47:21	DataFile Name :	063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5122451	5105810	5090054	5106105	0.32	cps
Antimony	121-1	11338	11431	10991	11253	2.06	cps
Arsenic	75-2	27152	27592	26110	26951	2.82	cps
Barium	135-1	468986	476071	484695	476584	1.65	cps
Barium	137-1	820100	825858	826134	824031	0.41	cps
Beryllium	9-1	630	593	717	647	9.79	cps
Bismuth	209-1	3573108	3617646	3576084	3588946	0.69	cps
Bismuth	209-2	2681761	2668812	2710747	2687107	0.80	cps
Bromine	81-1	7439	7635	7749	7608	2.06	cps
Bromine	81-2	633	710	703	682	6.23	cps
Cadmium	108-1	203	190	260	218	17.07	cps
Cadmium	106-1	1547	1333	1350	1410	8.42	cps
Cadmium	111-1	2774	2617	2653	2681	3.06	cps
Calcium	43-1	188807	192688	194052	191849	1.42	cps
Calcium	44-1	2955091	3066505	3083539	3035045	2.30	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	238229	237899	234865	236998	0.78	cps
Cobalt	59-2	159922	159736	160145	159934	0.13	cps
Copper	63-2	664644	661629	658656	661643	0.45	cps
Dysprosium	156-1	33370	33938	33811	33706	0.88	cps
Dysprosium	156-2	28836	29541	29053	29144	1.24	cps
Erbium	164-1	27100	27484	27931	27505	1.51	cps
Erbium	164-2	18870	18512	18529	18637	1.08	cps
Gadolinium	160-1	32484	32909	32949	32781	0.79	cps
Gadolinium	160-2	23730	22989	23340	23353	1.59	cps
Holmium	165-1	5701648	5682089	5825557	5736432	1.36	cps
Holmium	165-2	3843406	3878691	3842453	3854850	0.54	cps
Indium	115-1	4627454	4603912	4643239	4624869	0.43	cps
Indium	115-2	1753820	1706889	1734658	1731789	1.36	cps
Iron	56-2	180781184	181656631	180323577	180920464	0.37	cps
Iron	57-2	4484658	4527517	4491160	4501112	0.51	cps
Iron	54-2	10077441	9991989	9977355	10015595	0.54	cps
Krypton	83-1	233	220	243	232	5.04	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-07	Instrumnet Name :	P7
Client Sample ID :	MYE454	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:47:21	DataFile Name :	063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	188506	192198	194597	191767	1.60	cps
Lead	207-1	166369	165678	166426	166158	0.25	cps
Lead	208-1	746844	751569	754418	750944	0.51	cps
Lithium	6-1	506740	521370	521090	516400	1.62	cps
Magnesium	24-2	3941937	3870430	3925749	3912705	0.96	cps
Manganese	55-2	3716229	3746626	3714047	3725634	0.49	cps
Molybdenum	94-1	33117	33799	32867	33261	1.45	cps
Molybdenum	95-1	6542	6708	6425	6558	2.17	cps
Molybdenum	96-1	13593	13096	13693	13461	2.38	cps
Molybdenum	97-1	3921	4277	4117	4105	4.35	cps
Molybdenum	98-1	10210	9970	10287	10156	1.63	cps
Neodymium	150-1	63000	64748	63978	63908	1.37	cps
Neodymium	150-2	36871	37794	37463	37376	1.25	cps
Nickel	60-2	68780	69704	69219	69235	0.67	cps
Phosphorus	31-2	25622	25702	25648	25657	0.16	cps
Potassium	39-2	4237910	4288172	4269101	4265061	0.59	cps
Rhodium	103-1	4360038	4329790	4341440	4343756	0.35	cps
Rhodium	103-2	2915400	2836465	2893855	2881907	1.42	cps
Scandium	45-1	2625369	2680668	2683723	2663253	1.23	cps
Scandium	45-2	305863	305261	304772	305298	0.18	cps
Selenium	82-1	348	396	334	360	9.00	cps
Selenium	77-2	170	120	127	139	19.55	cps
Selenium	78-2	437	487	437	453	6.37	cps
Silicon	28-1	8781828	9017098	9097103	8965343	1.83	cps
Silver	107-1	3620	3530	3497	3549	1.80	cps
Silver	109-1	3244	3190	3477	3304	4.62	cps
Sodium	23-2	177174	176192	175141	176169	0.58	cps
Strontium	86-1	164667	166579	168405	166550	1.12	cps
Strontium	88-1	1471688	1495061	1515555	1494101	1.47	cps
Sulfur	34-1	107401	105783	106111	106432	0.80	cps
Terbium	159-1	6084799	5885594	5866066	5945487	2.04	cps
Terbium	159-2	3833869	3875197	3837831	3848966	0.59	cps
Thallium	203-1	1570	1693	1610	1625	3.88	cps
Thallium	205-1	3467	3667	3581	3572	2.81	cps
Tin	118-1	9770	9590	10074	9811	2.49	cps
Titanium	47-1	691309	696063	700854	696075	0.69	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-07	Instrumnet Name :	P7
Client Sample ID :	MYE454	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:47:21	DataFile Name :	063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16691	16747	16567	16668	0.55	cps
Vanadium	51-2	361021	359674	358384	359693	0.37	cps
Yttrium	89-1	8190190	8272955	8186228	8216458	0.60	cps
Yttrium	89-2	2458162	2444599	2420765	2441176	0.78	cps
Zinc	66-2	131049	131580	129012	130547	1.04	cps
Zirconium	90-1	78555	81766	81736	80686	2.29	cps
Zirconium	91-1	17881	18058	18188	18042	0.85	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-08	Instrumnet Name :	P7
Client Sample ID :	MYE455	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:50:33	DataFile Name :	064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4852379	4864200	4814358	4843646	0.54	cps
Antimony	121-1	9260	9547	9813	9540	2.90	cps
Arsenic	75-2	25118	24944	25325	25129	0.76	cps
Barium	135-1	490842	498707	495091	494880	0.80	cps
Barium	137-1	842395	853439	858668	851501	0.98	cps
Beryllium	9-1	683	643	657	661	3.08	cps
Bismuth	209-1	3537415	3547447	3525199	3536687	0.32	cps
Bismuth	209-2	2633509	2659628	2605787	2632975	1.02	cps
Bromine	81-1	8159	8256	8322	8246	1.00	cps
Bromine	81-2	863	737	663	754	13.41	cps
Cadmium	108-1	157	133	220	170	26.38	cps
Cadmium	106-1	1370	1327	1183	1293	7.55	cps
Cadmium	111-1	2550	2659	2541	2583	2.54	cps
Calcium	43-1	346618	350989	354897	350835	1.18	cps
Calcium	44-1	5461122	5586166	5536794	5528027	1.14	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	216099	215714	217070	216294	0.32	cps
Cobalt	59-2	151972	149860	149648	150493	0.85	cps
Copper	63-2	613772	612778	612325	612958	0.12	cps
Dysprosium	156-1	31435	32417	31870	31907	1.54	cps
Dysprosium	156-2	27464	27600	27731	27598	0.48	cps
Erbium	164-1	25720	26121	25937	25926	0.77	cps
Erbium	164-2	17514	17828	17117	17487	2.04	cps
Gadolinium	160-1	29945	30510	31044	30500	1.80	cps
Gadolinium	160-2	22141	21647	21867	21885	1.13	cps
Holmium	165-1	5760839	5763927	5631611	5718792	1.32	cps
Holmium	165-2	3772224	3858713	3863498	3831479	1.34	cps
Indium	115-1	4604607	4618921	4617739	4613756	0.17	cps
Indium	115-2	1756923	1721608	1722651	1733727	1.16	cps
Iron	56-2	166465318	168383097	165489074	166779163	0.88	cps
Iron	57-2	4183698	4186351	4129553	4166534	0.77	cps
Iron	54-2	9242110	9216613	9148003	9202242	0.53	cps
Krypton	83-1	283	227	247	252	11.39	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-08	Instrumnet Name :	P7
Client Sample ID :	MYE455	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:50:33	DataFile Name :	064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	185403	184683	188119	186068	0.97	cps
Lead	207-1	157232	161740	160426	159799	1.45	cps
Lead	208-1	724562	727592	733999	728718	0.66	cps
Lithium	6-1	517705	509772	505898	511125	1.18	cps
Magnesium	24-2	4325872	4303972	4314018	4314621	0.25	cps
Manganese	55-2	3498823	3482696	3526419	3502646	0.63	cps
Molybdenum	94-1	15465	16109	15522	15699	2.27	cps
Molybdenum	95-1	6608	6508	6345	6487	2.05	cps
Molybdenum	96-1	10124	10034	10584	10247	2.88	cps
Molybdenum	97-1	3947	4027	4057	4011	1.42	cps
Molybdenum	98-1	9807	10220	10407	10145	3.03	cps
Neodymium	150-1	59669	59260	59528	59486	0.35	cps
Neodymium	150-2	35271	34683	34993	34982	0.84	cps
Nickel	60-2	71031	71198	70903	71044	0.21	cps
Phosphorus	31-2	25231	25999	25855	25695	1.59	cps
Potassium	39-2	4318338	4309120	4345319	4324259	0.44	cps
Rhodium	103-1	4351370	4280155	4270821	4300782	1.02	cps
Rhodium	103-2	2882135	2837114	2831780	2850343	0.97	cps
Scandium	45-1	2608818	2630189	2629167	2622725	0.46	cps
Scandium	45-2	306887	307013	304468	306123	0.47	cps
Selenium	82-1	296	323	310	310	4.37	cps
Selenium	77-2	133	130	113	126	8.54	cps
Selenium	78-2	487	437	447	457	5.79	cps
Silicon	28-1	9676485	9687484	9917155	9760375	1.39	cps
Silver	107-1	2964	2727	2874	2855	4.19	cps
Silver	109-1	2660	2597	2707	2655	2.08	cps
Sodium	23-2	564047	563051	560248	562449	0.35	cps
Strontium	86-1	291537	296737	295741	294672	0.94	cps
Strontium	88-1	2660549	2685426	2729863	2691946	1.30	cps
Sulfur	34-1	113867	112309	115126	113768	1.24	cps
Terbium	159-1	5992623	5874159	5896804	5921195	1.06	cps
Terbium	159-2	3819336	3881281	3907174	3869264	1.17	cps
Thallium	203-1	1387	1247	1453	1362	7.74	cps
Thallium	205-1	3417	3294	3210	3307	3.14	cps
Tin	118-1	9023	9126	9026	9058	0.65	cps
Titanium	47-1	666523	679152	683260	676312	1.29	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-08	Instrumnet Name :	P7
Client Sample ID :	MYE455	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:50:33	DataFile Name :	064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14965	15072	15125	15054	0.54	cps
Vanadium	51-2	339368	338834	337020	338407	0.36	cps
Yttrium	89-1	8150397	8263484	8220463	8211448	0.70	cps
Yttrium	89-2	2389091	2469786	2445773	2434883	1.70	cps
Zinc	66-2	121825	122134	122504	122154	0.28	cps
Zirconium	90-1	31604	32824	32549	32326	1.98	cps
Zirconium	91-1	7319	7202	7362	7294	1.14	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-09	Instrumnet Name :	P7
Client Sample ID :	MYE456	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:53:41	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4959349	4887664	4952049	4933021	0.80	cps
Antimony	121-1	9060	9256	9773	9363	3.94	cps
Arsenic	75-2	25001	24277	24787	24688	1.51	cps
Barium	135-1	323496	323199	321439	322711	0.34	cps
Barium	137-1	549262	558588	562121	556657	1.19	cps
Beryllium	9-1	497	453	440	463	6.39	cps
Bismuth	209-1	3662641	3530777	3529153	3574190	2.14	cps
Bismuth	209-2	2659684	2655195	2740420	2685100	1.79	cps
Bromine	81-1	6028	6121	5708	5952	3.64	cps
Bromine	81-2	357	407	403	389	7.19	cps
Cadmium	108-1	147	157	117	140	14.87	cps
Cadmium	106-1	1523	1393	1357	1425	6.15	cps
Cadmium	111-1	2240	1826	1961	2009	10.52	cps
Calcium	43-1	339024	343474	344408	342302	0.84	cps
Calcium	44-1	5448614	5356827	5502078	5435840	1.35	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	271942	267857	267468	269089	0.92	cps
Cobalt	59-2	189715	188850	188296	188954	0.38	cps
Copper	63-2	542225	540441	541193	541286	0.17	cps
Dysprosium	156-1	23119	23617	23884	23540	1.65	cps
Dysprosium	156-2	19574	20138	20145	19952	1.64	cps
Erbium	164-1	21366	21463	20679	21169	2.02	cps
Erbium	164-2	14274	13897	14147	14106	1.36	cps
Gadolinium	160-1	22505	23373	23189	23022	1.99	cps
Gadolinium	160-2	16363	16416	16360	16380	0.19	cps
Holmium	165-1	5814634	5796620	5696539	5769264	1.10	cps
Holmium	165-2	3919257	3916398	3881417	3905691	0.54	cps
Indium	115-1	4702323	4683976	4651100	4679133	0.55	cps
Indium	115-2	1705342	1769523	1699451	1724772	2.25	cps
Iron	56-2	199585397	197308970	197891864	198262077	0.60	cps
Iron	57-2	4939204	4869542	4858823	4889190	0.89	cps
Iron	54-2	10990890	10969608	10873933	10944810	0.57	cps
Krypton	83-1	177	163	203	181	11.25	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-09	Instrumnet Name :	P7
Client Sample ID :	MYE456	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:53:41	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	152451	153149	153687	153096	0.41	cps
Lead	207-1	127818	129897	128501	128739	0.82	cps
Lead	208-1	583550	600458	591917	591975	1.43	cps
Lithium	6-1	541905	521309	526175	529796	2.03	cps
Magnesium	24-2	5566220	5488701	5560871	5538597	0.78	cps
Manganese	55-2	3258063	3225825	3181344	3221744	1.20	cps
Molybdenum	94-1	31952	32640	32710	32434	1.29	cps
Molybdenum	95-1	3947	3704	3974	3875	3.84	cps
Molybdenum	96-1	10664	10694	10948	10768	1.45	cps
Molybdenum	97-1	2484	2450	2480	2471	0.74	cps
Molybdenum	98-1	6108	5755	5908	5923	2.99	cps
Neodymium	150-1	41073	41511	41397	41327	0.55	cps
Neodymium	150-2	24394	24318	24742	24485	0.92	cps
Nickel	60-2	91742	92544	92074	92120	0.44	cps
Phosphorus	31-2	17497	17740	17163	17467	1.66	cps
Potassium	39-2	3242600	3194132	3253992	3230241	0.98	cps
Rhodium	103-1	4357301	4266681	4332597	4318860	1.08	cps
Rhodium	103-2	2848554	2900820	2814709	2854694	1.52	cps
Scandium	45-1	2742554	2700764	2628354	2690557	2.15	cps
Scandium	45-2	308896	308129	307648	308224	0.20	cps
Selenium	82-1	364	368	311	348	9.03	cps
Selenium	77-2	110	73	93	92	19.91	cps
Selenium	78-2	343	427	403	391	10.99	cps
Silicon	28-1	8019011	8289557	8255841	8188137	1.80	cps
Silver	107-1	2204	1990	2147	2114	5.23	cps
Silver	109-1	1847	1963	2070	1960	5.70	cps
Sodium	23-2	210177	209968	210604	210250	0.15	cps
Strontium	86-1	166744	170562	170048	169118	1.22	cps
Strontium	88-1	1511255	1550732	1524190	1528725	1.32	cps
Sulfur	34-1	108730	109190	109556	109158	0.38	cps
Terbium	159-1	5925045	5900090	5824494	5883210	0.89	cps
Terbium	159-2	3946681	3948296	3908433	3934470	0.57	cps
Thallium	203-1	960	1067	1070	1032	6.06	cps
Thallium	205-1	2287	2324	2300	2304	0.81	cps
Tin	118-1	6725	6655	6335	6572	3.17	cps
Titanium	47-1	661069	682425	678462	673985	1.69	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-09	Instrumnet Name :	P7
Client Sample ID :	MYE456	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:53:41	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10504	10768	10701	10658	1.29	cps
Vanadium	51-2	473078	472526	471532	472379	0.17	cps
Yttrium	89-1	8179577	8184811	8041108	8135165	1.00	cps
Yttrium	89-2	2374859	2410153	2424303	2403105	1.06	cps
Zinc	66-2	86260	85580	85906	85915	0.40	cps
Zirconium	90-1	82631	82456	83529	82872	0.69	cps
Zirconium	91-1	18065	18522	18472	18353	1.37	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-10	Instrumnet Name :	P7
Client Sample ID :	MYE457	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:56:52	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5894129	5837778	5800042	5843983	0.81	cps
Antimony	121-1	15876	15505	15835	15739	1.29	cps
Arsenic	75-2	47736	47104	47285	47375	0.69	cps
Barium	135-1	604543	615992	616201	612246	1.09	cps
Barium	137-1	1036588	1057037	1065339	1052988	1.41	cps
Beryllium	9-1	820	960	910	897	7.91	cps
Bismuth	209-1	3624868	3624555	3416373	3555265	3.38	cps
Bismuth	209-2	2713864	2682729	2722376	2706323	0.77	cps
Bromine	81-1	6058	5851	6288	6066	3.60	cps
Bromine	81-2	353	367	417	379	8.81	cps
Cadmium	108-1	370	333	273	326	14.99	cps
Cadmium	106-1	1640	1653	1457	1583	6.94	cps
Cadmium	111-1	3843	3704	3882	3810	2.45	cps
Calcium	43-1	116543	119644	119457	118548	1.47	cps
Calcium	44-1	1830280	1878328	1867359	1858656	1.35	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	271499	267504	266117	268373	1.04	cps
Cobalt	59-2	210915	212035	210856	211269	0.31	cps
Copper	63-2	1031849	1036999	1023911	1030920	0.64	cps
Dysprosium	156-1	40374	40809	41177	40787	0.98	cps
Dysprosium	156-2	35953	36591	36197	36247	0.89	cps
Erbium	164-1	30206	31656	31038	30966	2.35	cps
Erbium	164-2	20929	21620	21093	21214	1.70	cps
Gadolinium	160-1	36929	38279	38613	37940	2.35	cps
Gadolinium	160-2	27744	27781	27370	27632	0.82	cps
Holmium	165-1	5813586	5881698	5538126	5744470	3.17	cps
Holmium	165-2	3893961	3881837	3866243	3880680	0.36	cps
Indium	115-1	4699436	4632076	4442465	4591326	2.90	cps
Indium	115-2	1727815	1728233	1720286	1725444	0.26	cps
Iron	56-2	225457083	225957377	224608010	225340823	0.30	cps
Iron	57-2	5568573	5616307	5575703	5586861	0.46	cps
Iron	54-2	12424928	12525273	12408301	12452834	0.51	cps
Krypton	83-1	233	287	217	246	14.89	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-10	Instrumnet Name :	P7
Client Sample ID :	MYE457	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:56:52	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	313121	323750	318953	318608	1.67	cps
Lead	207-1	274375	277490	282210	278025	1.42	cps
Lead	208-1	1244372	1272137	1275384	1263964	1.35	cps
Lithium	6-1	539937	541833	527110	536293	1.49	cps
Magnesium	24-2	4555721	4538544	4542031	4545432	0.20	cps
Manganese	55-2	4777115	4851823	4749179	4792706	1.11	cps
Molybdenum	94-1	69451	71390	72050	70963	1.90	cps
Molybdenum	95-1	5725	6115	5951	5930	3.30	cps
Molybdenum	96-1	19326	19276	20024	19542	2.14	cps
Molybdenum	97-1	3610	4021	3557	3729	6.80	cps
Molybdenum	98-1	9373	9657	9787	9605	2.20	cps
Neodymium	150-1	78450	80498	80183	79710	1.38	cps
Neodymium	150-2	46620	47640	47309	47190	1.10	cps
Nickel	60-2	99155	98779	99947	99294	0.60	cps
Phosphorus	31-2	19686	20020	19656	19787	1.02	cps
Potassium	39-2	4307837	4325330	4314883	4316017	0.20	cps
Rhodium	103-1	4333755	4294262	4115373	4247796	2.74	cps
Rhodium	103-2	2873678	2946034	2886679	2902130	1.33	cps
Scandium	45-1	2696966	2667425	2516620	2627004	3.68	cps
Scandium	45-2	307646	304786	304022	305484	0.63	cps
Selenium	82-1	405	275	362	347	19.06	cps
Selenium	77-2	133	170	197	167	19.08	cps
Selenium	78-2	473	487	463	474	2.47	cps
Silicon	28-1	9331480	9465187	9650382	9482349	1.69	cps
Silver	107-1	5064	4908	5128	5033	2.25	cps
Silver	109-1	4404	4524	4644	4524	2.65	cps
Sodium	23-2	112873	112061	111510	112148	0.61	cps
Strontium	86-1	150414	153178	153491	152361	1.11	cps
Strontium	88-1	1319263	1338626	1339913	1332600	0.87	cps
Sulfur	34-1	102689	99578	101339	101202	1.54	cps
Terbium	159-1	6065666	5965077	5690501	5907081	3.29	cps
Terbium	159-2	4023611	3936786	3902837	3954411	1.58	cps
Thallium	203-1	1803	1964	2017	1928	5.76	cps
Thallium	205-1	4594	4684	4981	4753	4.26	cps
Tin	118-1	7409	7405	7639	7484	1.79	cps
Titanium	47-1	666652	680699	679561	675637	1.15	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-10	Instrumnet Name :	P7
Client Sample ID :	MYE457	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 15:56:52	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	19828	20472	20536	20279	1.93	cps
Vanadium	51-2	437513	437259	434095	436289	0.44	cps
Yttrium	89-1	8432323	8262294	7846479	8180365	3.68	cps
Yttrium	89-2	2461129	2473046	2382700	2438959	2.01	cps
Zinc	66-2	146736	145723	145709	146056	0.40	cps
Zirconium	90-1	179977	184320	186577	183625	1.83	cps
Zirconium	91-1	40071	40833	40499	40468	0.94	cps

1000

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-11	Instrumnet Name :	P7
Client Sample ID :	MYE458	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:00:01	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4724602	4666575	4701097	4697425	0.62	cps
Antimony	121-1	12562	12476	12145	12394	1.78	cps
Arsenic	75-2	30395	30227	30201	30274	0.35	cps
Barium	135-1	524216	530187	537055	530486	1.21	cps
Barium	137-1	911699	917002	920234	916311	0.47	cps
Beryllium	9-1	750	667	707	708	5.89	cps
Bismuth	209-1	3598291	3580663	3648094	3609016	0.97	cps
Bismuth	209-2	2735633	2663394	2726143	2708390	1.45	cps
Bromine	81-1	6855	6642	7252	6916	4.48	cps
Bromine	81-2	520	573	617	570	8.50	cps
Cadmium	108-1	233	197	180	203	13.42	cps
Cadmium	106-1	1350	1463	1447	1420	4.31	cps
Cadmium	111-1	3129	3240	3194	3187	1.76	cps
Calcium	43-1	278634	285131	284829	282864	1.30	cps
Calcium	44-1	4404148	4425775	4561908	4463944	1.92	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	223421	223075	222741	223079	0.15	cps
Cobalt	59-2	183141	182141	183211	182831	0.33	cps
Copper	63-2	773813	769580	769858	771084	0.31	cps
Dysprosium	156-1	33386	33974	33553	33638	0.90	cps
Dysprosium	156-2	29595	28736	29845	29392	1.98	cps
Erbium	164-1	27661	27691	27357	27570	0.67	cps
Erbium	164-2	18042	18442	18859	18448	2.22	cps
Gadolinium	160-1	31759	32010	32401	32057	1.01	cps
Gadolinium	160-2	23082	23269	22855	23069	0.90	cps
Holmium	165-1	5840789	5830037	5751974	5807600	0.83	cps
Holmium	165-2	3888318	3989638	3900423	3926126	1.41	cps
Indium	115-1	4631993	4563104	4594559	4596552	0.75	cps
Indium	115-2	1757150	1716599	1701083	1724944	1.68	cps
Iron	56-2	179630544	177699244	178242484	178524091	0.56	cps
Iron	57-2	4366494	4409951	4351544	4375996	0.69	cps
Iron	54-2	9893120	9716224	9785367	9798237	0.91	cps
Krypton	83-1	247	173	160	193	24.14	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-11	Instrumnet Name :	P7
Client Sample ID :	MYE458	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:00:01	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	248913	251023	247657	249198	0.68	cps
Lead	207-1	214134	215909	216068	215371	0.50	cps
Lead	208-1	980826	986921	982069	983272	0.33	cps
Lithium	6-1	548220	548684	547802	548235	0.08	cps
Magnesium	24-2	4030503	3959426	3975784	3988571	0.93	cps
Manganese	55-2	4168529	4141042	4176577	4162049	0.45	cps
Molybdenum	94-1	30866	30782	31197	30948	0.71	cps
Molybdenum	95-1	6021	6205	6358	6195	2.72	cps
Molybdenum	96-1	12239	12782	12993	12671	3.07	cps
Molybdenum	97-1	3707	3744	3564	3672	2.59	cps
Molybdenum	98-1	9777	10147	9567	9830	2.99	cps
Neodymium	150-1	62698	63546	64611	63618	1.51	cps
Neodymium	150-2	37583	37884	38232	37900	0.86	cps
Nickel	60-2	71814	72280	72541	72212	0.51	cps
Phosphorus	31-2	37295	37295	37646	37412	0.54	cps
Potassium	39-2	4103965	4128300	4092007	4108091	0.45	cps
Rhodium	103-1	4313842	4314228	4281980	4303350	0.43	cps
Rhodium	103-2	2890539	2891644	2849747	2877310	0.83	cps
Scandium	45-1	2656228	2634562	2670466	2653752	0.68	cps
Scandium	45-2	301748	299258	302541	301183	0.57	cps
Selenium	82-1	301	435	415	384	18.80	cps
Selenium	77-2	170	133	140	148	13.21	cps
Selenium	78-2	420	413	477	437	7.97	cps
Silicon	28-1	10071779	10287584	10229350	10196238	1.09	cps
Silver	107-1	4834	4878	4861	4858	0.45	cps
Silver	109-1	4361	4591	4811	4587	4.91	cps
Sodium	23-2	153436	151356	153231	152675	0.75	cps
Strontium	86-1	318754	321018	323696	321156	0.77	cps
Strontium	88-1	2885485	2949414	2928479	2921126	1.12	cps
Sulfur	34-1	108347	106430	108468	107748	1.06	cps
Terbium	159-1	5957360	5958975	5962805	5959713	0.05	cps
Terbium	159-2	3934608	3917671	3950737	3934339	0.42	cps
Thallium	203-1	1573	1570	1557	1567	0.56	cps
Thallium	205-1	3491	3757	3884	3711	5.41	cps
Tin	118-1	8236	8686	8413	8445	2.69	cps
Titanium	47-1	570661	579150	580585	576799	0.93	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-11	Instrumnet Name :	P7
Client Sample ID :	MYE458	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:00:01	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17134	16697	17508	17113	2.37	cps
Vanadium	51-2	355710	354980	353315	354668	0.35	cps
Yttrium	89-1	8181126	8192896	8092101	8155374	0.68	cps
Yttrium	89-2	2433905	2437931	2476616	2449484	0.96	cps
Zinc	66-2	145578	143929	143259	144256	0.83	cps
Zirconium	90-1	73935	75011	74806	74584	0.77	cps
Zirconium	91-1	16413	16233	16916	16521	2.15	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-12	Instrumnet Name :	P7
Client Sample ID :	MYE459	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:03:12	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5472393	5477078	5396119	5448530	0.83	cps
Antimony	121-1	15105	15435	15869	15470	2.48	cps
Arsenic	75-2	42407	41919	41568	41965	1.00	cps
Barium	135-1	595774	602518	610495	602929	1.22	cps
Barium	137-1	1024525	1049825	1053982	1042777	1.53	cps
Beryllium	9-1	773	870	840	828	5.98	cps
Bismuth	209-1	3693214	3579768	3606699	3626560	1.63	cps
Bismuth	209-2	2730521	2752637	2698442	2727200	1.00	cps
Bromine	81-1	6895	6955	7382	7077	3.75	cps
Bromine	81-2	597	660	483	580	15.43	cps
Cadmium	108-1	203	287	327	272	23.11	cps
Cadmium	106-1	1467	1493	1367	1442	4.63	cps
Cadmium	111-1	3935	3878	3818	3877	1.50	cps
Calcium	43-1	248156	254281	253514	251984	1.32	cps
Calcium	44-1	3913511	3956439	3975053	3948334	0.80	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	258918	261711	257910	259513	0.76	cps
Cobalt	59-2	190511	193819	192488	192273	0.87	cps
Copper	63-2	1031283	1033281	1034245	1032937	0.15	cps
Dysprosium	156-1	37774	37761	39388	38308	2.44	cps
Dysprosium	156-2	33677	34081	33042	33600	1.56	cps
Erbium	164-1	30340	30209	30437	30328	0.38	cps
Erbium	164-2	20629	20372	20268	20423	0.91	cps
Gadolinium	160-1	36240	36093	37076	36470	1.45	cps
Gadolinium	160-2	26913	26609	26592	26704	0.68	cps
Holmium	165-1	5720520	5729404	5794237	5748054	0.70	cps
Holmium	165-2	3874402	3937177	3875946	3895842	0.92	cps
Indium	115-1	4677908	4593553	4595951	4622471	1.04	cps
Indium	115-2	1723919	1732051	1708446	1721472	0.70	cps
Iron	56-2	211599664	208434004	208835477	209623048	0.82	cps
Iron	57-2	5269130	5189271	5183613	5214005	0.92	cps
Iron	54-2	11700409	11648624	11601616	11650217	0.42	cps
Krypton	83-1	227	243	223	231	4.64	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-12	Instrumnet Name :	P7
Client Sample ID :	MYE459	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:03:12	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	304041	305684	309539	306421	0.92	cps
Lead	207-1	264797	268088	268375	267087	0.74	cps
Lead	208-1	1202160	1217481	1221877	1213839	0.85	cps
Lithium	6-1	557849	547736	543675	549753	1.33	cps
Magnesium	24-2	4272857	4384574	4368763	4342065	1.39	cps
Manganese	55-2	4645499	4669039	4667662	4660733	0.28	cps
Molybdenum	94-1	40121	39978	41047	40382	1.44	cps
Molybdenum	95-1	5501	5631	5711	5614	1.89	cps
Molybdenum	96-1	13526	13543	13833	13634	1.27	cps
Molybdenum	97-1	3350	3410	3514	3425	2.41	cps
Molybdenum	98-1	8533	8719	9110	8787	3.35	cps
Neodymium	150-1	73266	73745	74592	73868	0.91	cps
Neodymium	150-2	43584	44871	44169	44208	1.46	cps
Nickel	60-2	90612	89515	89435	89854	0.73	cps
Phosphorus	31-2	32698	32207	33042	32649	1.29	cps
Potassium	39-2	4662228	4691517	4710196	4687980	0.52	cps
Rhodium	103-1	4358845	4278243	4294858	4310649	0.99	cps
Rhodium	103-2	2821727	2872625	2854519	2849624	0.91	cps
Scandium	45-1	2668700	2645941	2603115	2639252	1.26	cps
Scandium	45-2	301739	303690	303609	303013	0.36	cps
Selenium	82-1	446	379	404	410	8.30	cps
Selenium	77-2	130	163	190	161	18.66	cps
Selenium	78-2	430	483	430	448	6.88	cps
Silicon	28-1	10395854	10499830	10748632	10548105	1.72	cps
Silver	107-1	4848	4797	4798	4814	0.60	cps
Silver	109-1	4384	4521	4454	4453	1.54	cps
Sodium	23-2	238578	240410	238067	239019	0.52	cps
Strontium	86-1	209658	212865	215741	212755	1.43	cps
Strontium	88-1	1891114	1931934	1961004	1928017	1.82	cps
Sulfur	34-1	109250	108162	107249	108221	0.93	cps
Terbium	159-1	5967387	5939503	5916933	5941274	0.43	cps
Terbium	159-2	3937837	3919849	3961008	3939565	0.52	cps
Thallium	203-1	2004	1950	2037	1997	2.19	cps
Thallium	205-1	4464	4748	4708	4640	3.31	cps
Tin	118-1	8633	8486	8779	8633	1.70	cps
Titanium	47-1	622190	628622	638497	629770	1.30	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-12	Instrumnet Name :	P7
Client Sample ID :	MYE459	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:03:12	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18937	18723	18363	18674	1.55	cps
Vanadium	51-2	408837	406539	409762	408379	0.41	cps
Yttrium	89-1	8274781	8163178	8155956	8197971	0.81	cps
Yttrium	89-2	2436203	2456825	2418125	2437051	0.79	cps
Zinc	66-2	158434	160894	158774	159367	0.84	cps
Zirconium	90-1	98240	100706	101645	100197	1.76	cps
Zirconium	91-1	22254	22287	22441	22327	0.45	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-13	Instrumnet Name :	P7
Client Sample ID :	MYE460	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:06:21	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4599016	4579965	4505937	4561640	1.08	cps
Antimony	121-1	11158	10547	11041	10915	2.97	cps
Arsenic	75-2	24547	25208	24764	24840	1.36	cps
Barium	135-1	487829	485172	491360	488120	0.64	cps
Barium	137-1	838862	845533	847835	844077	0.55	cps
Beryllium	9-1	753	620	677	683	9.79	cps
Bismuth	209-1	3627989	3542660	3565470	3578707	1.23	cps
Bismuth	209-2	2662833	2641403	2663474	2655903	0.47	cps
Bromine	81-1	7212	7695	7722	7543	3.81	cps
Bromine	81-2	597	623	653	624	4.54	cps
Cadmium	108-1	240	243	247	243	1.37	cps
Cadmium	106-1	1367	1443	1443	1418	3.12	cps
Cadmium	111-1	3326	3374	3275	3325	1.49	cps
Calcium	43-1	293346	293553	297004	294634	0.70	cps
Calcium	44-1	4560260	4652047	4669824	4627377	1.27	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	201370	202110	201045	201508	0.27	cps
Cobalt	59-2	143711	143792	143745	143749	0.03	cps
Copper	63-2	799185	800125	794986	798099	0.34	cps
Dysprosium	156-1	31074	31656	31001	31244	1.15	cps
Dysprosium	156-2	26592	26859	27317	26922	1.36	cps
Erbium	164-1	25276	25791	25537	25535	1.01	cps
Erbium	164-2	16987	16874	16550	16804	1.35	cps
Gadolinium	160-1	29708	30099	29538	29782	0.97	cps
Gadolinium	160-2	21704	22138	21530	21790	1.44	cps
Holmium	165-1	5744730	5807314	5590873	5714306	1.95	cps
Holmium	165-2	3905113	3910393	3910088	3908531	0.08	cps
Indium	115-1	4602696	4645988	4562299	4603661	0.91	cps
Indium	115-2	1735802	1716475	1708761	1720346	0.81	cps
Iron	56-2	155353124	154516324	154201368	154690272	0.38	cps
Iron	57-2	3844525	3832565	3822030	3833040	0.29	cps
Iron	54-2	8603727	8488534	8508281	8533514	0.72	cps
Krypton	83-1	237	250	207	231	9.60	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-13	Instrumnet Name :	P7
Client Sample ID :	MYE460	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:06:21	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	227632	231693	230038	229788	0.89	cps
Lead	207-1	200461	199341	204645	201482	1.39	cps
Lead	208-1	907941	912411	915078	911810	0.40	cps
Lithium	6-1	544275	539964	530837	538359	1.27	cps
Magnesium	24-2	3755474	3687975	3703617	3715689	0.95	cps
Manganese	55-2	3604903	3647588	3550749	3601080	1.35	cps
Molybdenum	94-1	26758	27065	27132	26985	0.74	cps
Molybdenum	95-1	5128	4804	5031	4988	3.33	cps
Molybdenum	96-1	10567	10634	11058	10753	2.47	cps
Molybdenum	97-1	3084	3190	3044	3106	2.44	cps
Molybdenum	98-1	7832	7922	7989	7914	0.99	cps
Neodymium	150-1	58420	58979	59870	59090	1.24	cps
Neodymium	150-2	34699	34800	35221	34906	0.79	cps
Nickel	60-2	66550	66560	66724	66611	0.15	cps
Phosphorus	31-2	32167	32000	32518	32228	0.82	cps
Potassium	39-2	3939329	3970642	4006895	3972288	0.85	cps
Rhodium	103-1	4286893	4321123	4327615	4311877	0.51	cps
Rhodium	103-2	2887889	2894574	2857519	2879994	0.69	cps
Scandium	45-1	2588918	2630442	2593179	2604180	0.88	cps
Scandium	45-2	302515	300710	301815	301680	0.30	cps
Selenium	82-1	361	330	379	357	6.85	cps
Selenium	77-2	110	183	103	132	33.57	cps
Selenium	78-2	440	390	427	419	6.18	cps
Silicon	28-1	10574422	10699237	10978915	10750858	1.93	cps
Silver	107-1	4441	4451	4434	4442	0.19	cps
Silver	109-1	4181	4114	4211	4168	1.19	cps
Sodium	23-2	238666	236913	237398	237659	0.38	cps
Strontium	86-1	278862	283389	285083	282444	1.14	cps
Strontium	88-1	2588064	2578200	2534468	2566910	1.11	cps
Sulfur	34-1	113598	112829	112913	113114	0.37	cps
Terbium	159-1	6019042	5905517	5898738	5941099	1.14	cps
Terbium	159-2	3853003	3904978	3905147	3887709	0.77	cps
Thallium	203-1	1423	1687	1517	1542	8.66	cps
Thallium	205-1	3490	3834	3614	3646	4.77	cps
Tin	118-1	9406	9707	9837	9650	2.29	cps
Titanium	47-1	593553	596364	600677	596865	0.60	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-13	Instrumnet Name :	P7
Client Sample ID :	MYE460	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:06:21	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15973	16167	15736	15959	1.35	cps
Vanadium	51-2	294242	292752	293557	293517	0.25	cps
Yttrium	89-1	8088661	8134747	8097236	8106881	0.30	cps
Yttrium	89-2	2413397	2389531	2351808	2384912	1.30	cps
Zinc	66-2	137405	138374	137924	137901	0.35	cps
Zirconium	90-1	65338	65880	67243	66154	1.48	cps
Zirconium	91-1	14360	15165	15548	15024	4.03	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-14	Instrumnet Name :	P7
Client Sample ID :	MYE461	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:09:33	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4120398	4087592	4059485	4089159	0.75	cps
Antimony	121-1	15348	15365	14921	15211	1.65	cps
Arsenic	75-2	29195	28561	28093	28617	1.93	cps
Barium	135-1	421220	420703	418307	420076	0.37	cps
Barium	137-1	701517	718489	737078	719028	2.47	cps
Beryllium	9-1	620	520	673	604	12.88	cps
Bismuth	209-1	3656377	3527259	3424739	3536125	3.28	cps
Bismuth	209-2	2739321	2735987	2659335	2711548	1.67	cps
Bromine	81-1	6265	6415	6618	6433	2.76	cps
Bromine	81-2	397	330	380	369	9.41	cps
Cadmium	108-1	193	183	257	211	18.84	cps
Cadmium	106-1	1380	1347	1353	1360	1.30	cps
Cadmium	111-1	2768	2801	2761	2777	0.77	cps
Calcium	43-1	136827	140356	141997	139727	1.89	cps
Calcium	44-1	2242666	2186540	2224524	2217910	1.29	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	193062	192789	192566	192806	0.13	cps
Cobalt	59-2	139054	138331	138630	138672	0.26	cps
Copper	63-2	613522	609536	612668	611909	0.34	cps
Dysprosium	156-1	29127	30603	29845	29858	2.47	cps
Dysprosium	156-2	25436	25396	25430	25421	0.08	cps
Erbium	164-1	22495	22508	23259	22754	1.92	cps
Erbium	164-2	15015	15122	15499	15212	1.67	cps
Gadolinium	160-1	26645	28172	27701	27506	2.84	cps
Gadolinium	160-2	20188	19644	20255	20029	1.67	cps
Holmium	165-1	6042228	5951068	5674445	5889247	3.25	cps
Holmium	165-2	3932735	3819844	3852079	3868219	1.50	cps
Indium	115-1	4810975	4729195	4548199	4696123	2.86	cps
Indium	115-2	1739771	1715766	1681211	1712249	1.72	cps
Iron	56-2	164229084	161955944	162513514	162899514	0.73	cps
Iron	57-2	4022860	4075455	4037457	4045257	0.67	cps
Iron	54-2	9077064	8961263	8945061	8994463	0.80	cps
Krypton	83-1	213	210	190	204	6.17	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-14	Instrumnet Name :	P7
Client Sample ID :	MYE461	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:09:33	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	216334	212114	210552	213000	1.40	cps
Lead	207-1	180654	186558	191960	186391	3.03	cps
Lead	208-1	829026	837707	838950	835228	0.65	cps
Lithium	6-1	555333	528235	524065	535878	3.17	cps
Magnesium	24-2	3331770	3301515	3269074	3300786	0.95	cps
Manganese	55-2	3407122	3338172	3355274	3366856	1.07	cps
Molybdenum	94-1	30295	31344	31484	31041	2.09	cps
Molybdenum	95-1	5254	5454	5284	5331	2.02	cps
Molybdenum	96-1	11815	11685	11731	11744	0.56	cps
Molybdenum	97-1	3187	3367	3184	3246	3.23	cps
Molybdenum	98-1	8486	8402	8389	8426	0.62	cps
Neodymium	150-1	54816	56108	56141	55688	1.36	cps
Neodymium	150-2	33343	33450	33059	33284	0.61	cps
Nickel	60-2	63018	62145	62038	62400	0.86	cps
Phosphorus	31-2	26079	25842	25652	25857	0.83	cps
Potassium	39-2	3079044	3092959	3125500	3099168	0.77	cps
Rhodium	103-1	4283489	4377284	4354757	4338510	1.13	cps
Rhodium	103-2	2846624	2844799	2765267	2818897	1.65	cps
Scandium	45-1	2700260	2567631	2550478	2606123	3.15	cps
Scandium	45-2	296132	295482	295485	295700	0.13	cps
Selenium	82-1	368	347	366	360	3.24	cps
Selenium	77-2	120	133	80	111	24.98	cps
Selenium	78-2	473	423	450	449	5.57	cps
Silicon	28-1	8389961	8631283	8492271	8504505	1.42	cps
Silver	107-1	3824	3997	3891	3904	2.24	cps
Silver	109-1	3504	3651	3784	3646	3.84	cps
Sodium	23-2	110389	109254	109039	109561	0.66	cps
Strontium	86-1	155011	160974	161860	159282	2.34	cps
Strontium	88-1	1356173	1381693	1382137	1373334	1.08	cps
Sulfur	34-1	103641	103494	102910	103349	0.37	cps
Terbium	159-1	5886458	5917121	6083485	5962355	1.78	cps
Terbium	159-2	3898349	3823654	3932824	3884942	1.44	cps
Thallium	203-1	1170	1267	1373	1270	8.01	cps
Thallium	205-1	3114	3317	3204	3212	3.17	cps
Tin	118-1	7869	8192	8229	8097	2.45	cps
Titanium	47-1	515147	536798	533624	528523	2.21	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-14	Instrumnet Name :	P7
Client Sample ID :	MYE461	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:09:33	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13814	14168	14568	14183	2.66	cps
Vanadium	51-2	311293	310306	310440	310680	0.17	cps
Yttrium	89-1	7991892	7946654	7856618	7931722	0.87	cps
Yttrium	89-2	2405572	2350439	2356079	2370697	1.28	cps
Zinc	66-2	119933	119520	118419	119291	0.66	cps
Zirconium	90-1	78173	79212	78435	78607	0.69	cps
Zirconium	91-1	16389	18015	17771	17392	5.04	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-15	Instrumnet Name :	P7
Client Sample ID :	MYE462	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:12:43	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6657105	6718821	6714164	6696697	0.51	cps
Antimony	121-1	17915	18008	17758	17893	0.71	cps
Arsenic	75-2	32546	32876	32382	32601	0.77	cps
Barium	135-1	495910	505401	503932	501748	1.02	cps
Barium	137-1	855995	878194	867114	867101	1.28	cps
Beryllium	9-1	910	870	867	882	2.73	cps
Bismuth	209-1	3628947	3239638	3546843	3471809	5.91	cps
Bismuth	209-2	2717423	2727558	2677843	2707608	0.97	cps
Bromine	81-1	6271	6708	6348	6443	3.62	cps
Bromine	81-2	450	470	357	426	14.22	cps
Cadmium	108-1	203	240	197	213	10.94	cps
Cadmium	106-1	1560	1333	1467	1453	7.84	cps
Cadmium	111-1	2103	1932	1939	1991	4.86	cps
Calcium	43-1	417034	424286	424895	422072	1.04	cps
Calcium	44-1	6555973	6652379	6606466	6604939	0.73	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	249799	247565	248867	248744	0.45	cps
Cobalt	59-2	212025	211511	208519	210685	0.90	cps
Copper	63-2	559848	552902	555753	556168	0.63	cps
Dysprosium	156-1	40057	40060	40542	40220	0.69	cps
Dysprosium	156-2	35475	35294	34963	35244	0.74	cps
Erbium	164-1	32478	34008	32638	33041	2.55	cps
Erbium	164-2	22054	21911	21630	21865	0.99	cps
Gadolinium	160-1	38613	38687	38864	38721	0.33	cps
Gadolinium	160-2	27975	27310	27003	27429	1.81	cps
Holmium	165-1	5749439	5350889	5747761	5616030	4.09	cps
Holmium	165-2	3879892	3928713	3887060	3898555	0.68	cps
Indium	115-1	4573741	4200736	4532857	4435778	4.61	cps
Indium	115-2	1713836	1712190	1731761	1719262	0.63	cps
Iron	56-2	229598823	224432370	228888417	227639870	1.23	cps
Iron	57-2	5632546	5667032	5629771	5643116	0.37	cps
Iron	54-2	12611683	12602404	12573011	12595699	0.16	cps
Krypton	83-1	220	217	203	213	4.13	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-15	Instrumnet Name :	P7
Client Sample ID :	MYE462	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:12:43	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	186508	190457	190372	189112	1.19	cps
Lead	207-1	163174	166781	165684	165213	1.12	cps
Lead	208-1	742325	754083	751504	749304	0.82	cps
Lithium	6-1	545985	506376	539402	530588	4.00	cps
Magnesium	24-2	6207162	6271758	6320479	6266466	0.91	cps
Manganese	55-2	3880022	3865303	3877499	3874275	0.20	cps
Molybdenum	94-1	88522	89833	89941	89432	0.88	cps
Molybdenum	95-1	6281	6231	6455	6323	1.85	cps
Molybdenum	96-1	22668	22621	23382	22890	1.86	cps
Molybdenum	97-1	3670	3974	4024	3889	4.92	cps
Molybdenum	98-1	9500	9977	9737	9738	2.45	cps
Neodymium	150-1	77853	80018	78406	78759	1.43	cps
Neodymium	150-2	46259	45841	45975	46025	0.46	cps
Nickel	60-2	126085	124949	126203	125746	0.55	cps
Phosphorus	31-2	29231	29368	29565	29388	0.57	cps
Potassium	39-2	2683001	2649286	2657330	2663205	0.66	cps
Rhodium	103-1	4309842	3955362	4222415	4162540	4.44	cps
Rhodium	103-2	2872467	2834588	2848764	2851940	0.67	cps
Scandium	45-1	2645129	2427617	2624822	2565856	4.68	cps
Scandium	45-2	306727	303763	302313	304267	0.74	cps
Selenium	82-1	338	260	366	321	17.10	cps
Selenium	77-2	143	163	133	147	10.41	cps
Selenium	78-2	480	430	440	450	5.88	cps
Silicon	28-1	9757464	9863627	9934873	9851988	0.91	cps
Silver	107-1	2190	2324	2284	2266	3.02	cps
Silver	109-1	2064	2040	1933	2012	3.44	cps
Sodium	23-2	809253	803133	808592	806992	0.42	cps
Strontium	86-1	899617	920226	918220	912687	1.25	cps
Strontium	88-1	8204451	8410649	8410046	8341715	1.43	cps
Sulfur	34-1	104363	104454	104658	104492	0.14	cps
Terbium	159-1	6026253	5367199	5883435	5758962	6.02	cps
Terbium	159-2	3914911	3906480	3833005	3884799	1.16	cps
Thallium	203-1	1303	1270	1380	1318	4.28	cps
Thallium	205-1	3130	3254	3284	3223	2.52	cps
Tin	118-1	8059	8036	8306	8133	1.84	cps
Titanium	47-1	1361704	1366340	1360702	1362915	0.22	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-15	Instrumnet Name :	P7
Client Sample ID :	MYE462	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:12:43	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18646	19207	18730	18861	1.60	cps
Vanadium	51-2	485067	482807	489303	485726	0.68	cps
Yttrium	89-1	8270885	7607980	8202058	8026974	4.54	cps
Yttrium	89-2	2455505	2422379	2418206	2432030	0.84	cps
Zinc	66-2	104949	104133	104724	104602	0.40	cps
Zirconium	90-1	230202	234234	235182	233206	1.13	cps
Zirconium	91-1	51567	52112	52828	52169	1.21	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-16	Instrumnet Name :	P7
Client Sample ID :	MYE463	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:15:53	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6088158	6086374	6034789	6069774	0.50	cps
Antimony	121-1	8829	8713	8613	8718	1.24	cps
Arsenic	75-2	27105	27589	27195	27296	0.94	cps
Barium	135-1	288607	290244	291376	290076	0.48	cps
Barium	137-1	495651	508850	518560	507687	2.26	cps
Beryllium	9-1	407	513	457	459	11.63	cps
Bismuth	209-1	3554481	3473772	3514543	3514266	1.15	cps
Bismuth	209-2	2687516	2713314	2639822	2680217	1.39	cps
Bromine	81-1	8242	8289	8029	8187	1.69	cps
Bromine	81-2	823	810	827	820	1.08	cps
Cadmium	108-1	117	217	127	153	35.92	cps
Cadmium	106-1	1437	1340	1260	1346	6.57	cps
Cadmium	111-1	1844	1610	1920	1791	9.03	cps
Calcium	43-1	253289	250817	250352	251486	0.63	cps
Calcium	44-1	3881294	3870974	3958749	3903672	1.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	371122	369035	366257	368804	0.66	cps
Cobalt	59-2	232542	226342	228664	229182	1.37	cps
Copper	63-2	683983	686815	684145	684981	0.23	cps
Dysprosium	156-1	21466	21914	22097	21826	1.49	cps
Dysprosium	156-2	18556	18332	18659	18516	0.90	cps
Erbium	164-1	20789	20295	20982	20689	1.71	cps
Erbium	164-2	14054	13960	13590	13868	1.77	cps
Gadolinium	160-1	21456	22178	22582	22072	2.58	cps
Gadolinium	160-2	15909	16033	15889	15944	0.49	cps
Holmium	165-1	5557170	5711542	5527126	5598612	1.77	cps
Holmium	165-2	3882218	3928732	3839536	3883495	1.15	cps
Indium	115-1	4550966	4614331	4520052	4561783	1.05	cps
Indium	115-2	1708861	1690245	1702542	1700549	0.56	cps
Iron	56-2	211290084	209954997	209820297	210355126	0.39	cps
Iron	57-2	5223895	5159339	5143897	5175710	0.82	cps
Iron	54-2	11763802	11603944	11459694	11609147	1.31	cps
Krypton	83-1	240	177	197	204	15.83	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-16	Instrumnet Name :	P7
Client Sample ID :	MYE463	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:15:53	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	112171	112736	113586	112831	0.63	cps
Lead	207-1	96020	97862	100548	98143	2.32	cps
Lead	208-1	448492	454965	449526	450994	0.77	cps
Lithium	6-1	538221	534664	524386	532424	1.35	cps
Magnesium	24-2	6836041	6842378	6820751	6833057	0.16	cps
Manganese	55-2	3558456	3526852	3524995	3536768	0.53	cps
Molybdenum	94-1	30038	29570	29286	29631	1.28	cps
Molybdenum	95-1	2437	2540	2490	2489	2.08	cps
Molybdenum	96-1	9090	9226	9466	9261	2.06	cps
Molybdenum	97-1	1677	1627	1660	1655	1.54	cps
Molybdenum	98-1	3914	4087	4051	4017	2.27	cps
Neodymium	150-1	38212	38493	37724	38143	1.02	cps
Neodymium	150-2	22127	22024	21740	21964	0.91	cps
Nickel	60-2	117584	117684	116431	117233	0.59	cps
Phosphorus	31-2	13846	13960	13629	13812	1.22	cps
Potassium	39-2	2583812	2552121	2561474	2565802	0.63	cps
Rhodium	103-1	4248083	4194957	4160762	4201267	1.05	cps
Rhodium	103-2	2861572	2833816	2841957	2845781	0.50	cps
Scandium	45-1	2610486	2608356	2651126	2623323	0.92	cps
Scandium	45-2	302692	301535	296362	300196	1.12	cps
Selenium	82-1	266	362	323	317	15.15	cps
Selenium	77-2	80	97	70	82	16.39	cps
Selenium	78-2	450	397	447	431	6.93	cps
Silicon	28-1	8545359	8674892	8475432	8565228	1.18	cps
Silver	107-1	2170	2234	2180	2195	1.55	cps
Silver	109-1	2074	1990	2144	2069	3.71	cps
Sodium	23-2	220308	221365	218658	220110	0.62	cps
Strontium	86-1	121981	123184	123966	123044	0.81	cps
Strontium	88-1	1091179	1111832	1095070	1099360	1.00	cps
Sulfur	34-1	105004	105041	105276	105107	0.14	cps
Terbium	159-1	5791897	5819875	5902231	5838001	0.98	cps
Terbium	159-2	3886144	3891627	3853435	3877069	0.53	cps
Thallium	203-1	847	810	777	811	4.32	cps
Thallium	205-1	1870	1937	2010	1939	3.61	cps
Tin	118-1	6251	6275	6178	6235	0.81	cps
Titanium	47-1	640434	653158	653907	649166	1.17	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-16	Instrumnet Name :	P7
Client Sample ID :	MYE463	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:15:53	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8529	8396	8790	8572	2.34	cps
Vanadium	51-2	481023	482633	479934	481197	0.28	cps
Yttrium	89-1	8105240	7912518	7910920	7976226	1.40	cps
Yttrium	89-2	2380222	2352053	2349493	2360589	0.72	cps
Zinc	66-2	82593	82403	81172	82056	0.94	cps
Zirconium	90-1	74474	75778	74863	75038	0.89	cps
Zirconium	91-1	16526	16750	17150	16809	1.88	cps

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On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-17	Instrumnet Name :	P7
Client Sample ID :	MYE464	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:19:05	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5554047	5535976	5591142	5560388	0.51	cps
Antimony	121-1	13426	13593	13500	13506	0.62	cps
Arsenic	75-2	42882	42584	42407	42624	0.56	cps
Barium	135-1	595894	607038	597313	600082	1.01	cps
Barium	137-1	1022766	1038972	1037980	1033239	0.88	cps
Beryllium	9-1	820	760	850	810	5.66	cps
Bismuth	209-1	3667158	3313208	3533232	3504533	5.10	cps
Bismuth	209-2	2654446	2663297	2733094	2683612	1.61	cps
Bromine	81-1	7979	8052	8232	8088	1.61	cps
Bromine	81-2	737	827	783	782	5.75	cps
Cadmium	108-1	233	187	180	200	14.53	cps
Cadmium	106-1	1520	1307	1293	1373	9.26	cps
Cadmium	111-1	2668	2711	2610	2663	1.91	cps
Calcium	43-1	325062	332469	332138	329890	1.27	cps
Calcium	44-1	5052748	5230527	5139821	5141032	1.73	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	251277	251267	250257	250934	0.23	cps
Cobalt	59-2	166374	166159	164906	165813	0.48	cps
Copper	63-2	669425	670410	664228	668021	0.50	cps
Dysprosium	156-1	35956	36477	36083	36172	0.75	cps
Dysprosium	156-2	30904	30670	30400	30658	0.82	cps
Erbium	164-1	30814	30460	30410	30561	0.72	cps
Erbium	164-2	20455	20208	19978	20214	1.18	cps
Gadolinium	160-1	34285	34887	35121	34764	1.24	cps
Gadolinium	160-2	24996	24892	25533	25140	1.37	cps
Holmium	165-1	5880955	5280299	5693718	5618324	5.47	cps
Holmium	165-2	3906028	3875794	3853833	3878552	0.68	cps
Indium	115-1	4617657	4284729	4563781	4488722	3.98	cps
Indium	115-2	1703437	1690671	1680996	1691701	0.67	cps
Iron	56-2	205616144	205336297	205431004	205461148	0.07	cps
Iron	57-2	5089186	5125665	5078099	5097650	0.49	cps
Iron	54-2	11366134	11404182	11374349	11381555	0.18	cps
Krypton	83-1	233	197	253	228	12.62	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-17	Instrumnet Name :	P7
Client Sample ID :	MYE464	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:19:05	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	211695	213927	213180	212934	0.53	cps
Lead	207-1	181926	185885	184048	183953	1.08	cps
Lead	208-1	830045	839713	839162	836307	0.65	cps
Lithium	6-1	557478	505198	535432	532703	4.93	cps
Magnesium	24-2	4770865	4758854	4754156	4761292	0.18	cps
Manganese	55-2	4786974	4737076	4785813	4769955	0.60	cps
Molybdenum	94-1	38681	40336	39610	39542	2.10	cps
Molybdenum	95-1	6968	7212	6862	7014	2.56	cps
Molybdenum	96-1	14711	15285	15211	15069	2.07	cps
Molybdenum	97-1	4554	4541	4274	4456	3.55	cps
Molybdenum	98-1	10737	11321	11074	11044	2.65	cps
Neodymium	150-1	66717	67520	67534	67257	0.70	cps
Neodymium	150-2	39268	40471	39726	39822	1.53	cps
Nickel	60-2	83876	83990	84141	84003	0.16	cps
Phosphorus	31-2	22707	22410	22614	22577	0.67	cps
Potassium	39-2	3820326	3754730	3760264	3778440	0.96	cps
Rhodium	103-1	4377811	4024805	4230082	4210899	4.21	cps
Rhodium	103-2	2833974	2807305	2876134	2839138	1.22	cps
Scandium	45-1	2659983	2480212	2608972	2583056	3.59	cps
Scandium	45-2	298575	301463	299085	299708	0.51	cps
Selenium	82-1	338	370	360	356	4.56	cps
Selenium	77-2	120	133	157	137	13.58	cps
Selenium	78-2	430	417	463	437	5.51	cps
Silicon	28-1	9927180	10188648	10241615	10119148	1.66	cps
Silver	107-1	4167	4361	4354	4294	2.56	cps
Silver	109-1	4104	4204	3934	4081	3.35	cps
Sodium	23-2	629173	630948	627862	629328	0.25	cps
Strontium	86-1	281376	290177	288849	286801	1.65	cps
Strontium	88-1	2601534	2648588	2622822	2624314	0.90	cps
Sulfur	34-1	117836	117759	116093	117230	0.84	cps
Terbium	159-1	5990182	5460633	5893387	5781401	4.88	cps
Terbium	159-2	3898800	3933500	3820425	3884241	1.49	cps
Thallium	203-1	1947	1697	1833	1826	6.86	cps
Thallium	205-1	4387	4261	4331	4326	1.47	cps
Tin	118-1	10380	11305	10781	10822	4.29	cps
Titanium	47-1	630310	645616	643368	639764	1.29	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-17	Instrumnet Name :	P7
Client Sample ID :	MYE464	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:19:05	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14368	14034	14688	14363	2.28	cps
Vanadium	51-2	408956	409145	411982	410028	0.41	cps
Yttrium	89-1	8213877	7649241	8118803	7993973	3.78	cps
Yttrium	89-2	2416315	2376864	2413576	2402252	0.92	cps
Zinc	66-2	124753	124446	123351	124183	0.59	cps
Zirconium	90-1	94696	98813	95827	96445	2.21	cps
Zirconium	91-1	21449	21362	21820	21544	1.13	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-18	Instrumnet Name :	P7
Client Sample ID :	MYE465	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:22:16	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6546567	6482808	6528537	6519304	0.50	cps
Antimony	121-1	7929	8212	8529	8224	3.65	cps
Arsenic	75-2	35372	35041	34978	35130	0.60	cps
Barium	135-1	647939	661478	663681	657699	1.30	cps
Barium	137-1	1117603	1141291	1149158	1136018	1.45	cps
Beryllium	9-1	917	970	830	906	7.80	cps
Bismuth	209-1	3580892	3581100	3568009	3576667	0.21	cps
Bismuth	209-2	2625848	2655153	2652589	2644530	0.61	cps
Bromine	81-1	7705	7889	8056	7883	2.22	cps
Bromine	81-2	777	823	760	787	4.17	cps
Cadmium	108-1	227	220	277	241	12.85	cps
Cadmium	106-1	1583	1483	1370	1479	7.22	cps
Cadmium	111-1	2750	2801	2529	2693	5.37	cps
Calcium	43-1	378150	384286	386542	382993	1.13	cps
Calcium	44-1	5895377	6087123	6015355	5999285	1.61	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	259396	261535	261701	260877	0.49	cps
Cobalt	59-2	204874	204714	204633	204740	0.06	cps
Copper	63-2	746203	736169	739923	740765	0.68	cps
Dysprosium	156-1	39144	40391	39572	39703	1.60	cps
Dysprosium	156-2	34723	34526	35181	34810	0.97	cps
Erbium	164-1	31980	32200	31759	31980	0.69	cps
Erbium	164-2	21810	21510	21687	21669	0.70	cps
Gadolinium	160-1	36996	38169	38382	37849	1.97	cps
Gadolinium	160-2	27220	27500	28212	27644	1.85	cps
Holmium	165-1	5886902	5705346	5732988	5775079	1.69	cps
Holmium	165-2	3925910	3822227	3868798	3872312	1.34	cps
Indium	115-1	4543558	4586325	4502135	4544006	0.93	cps
Indium	115-2	1684838	1673250	1694692	1684260	0.64	cps
Iron	56-2	210156904	209567837	207669997	209131579	0.62	cps
Iron	57-2	5268440	5157637	5184134	5203404	1.11	cps
Iron	54-2	11542240	11534664	11527818	11534907	0.06	cps
Krypton	83-1	223	217	247	229	6.88	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-18	Instrumnet Name :	P7
Client Sample ID :	MYE465	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:22:16	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	213725	215545	217208	215493	0.81	cps
Lead	207-1	183395	186814	188871	186360	1.48	cps
Lead	208-1	839531	853278	855931	849580	1.04	cps
Lithium	6-1	547505	542932	532453	540963	1.43	cps
Magnesium	24-2	5371910	5362930	5347926	5360922	0.23	cps
Manganese	55-2	5008527	4968395	4960193	4979039	0.52	cps
Molybdenum	94-1	53738	54427	55294	54486	1.43	cps
Molybdenum	95-1	4404	4667	4697	4590	3.52	cps
Molybdenum	96-1	14954	15505	15702	15387	2.52	cps
Molybdenum	97-1	2830	2987	2910	2909	2.69	cps
Molybdenum	98-1	7095	7625	7509	7410	3.76	cps
Neodymium	150-1	75370	77337	77116	76608	1.41	cps
Neodymium	150-2	45864	44858	45142	45288	1.15	cps
Nickel	60-2	109376	108704	109268	109116	0.33	cps
Phosphorus	31-2	31963	32267	32802	32344	1.31	cps
Potassium	39-2	3620570	3590593	3587516	3599560	0.51	cps
Rhodium	103-1	4255750	4224327	4225819	4235299	0.42	cps
Rhodium	103-2	2825061	2809007	2820201	2818090	0.29	cps
Scandium	45-1	2641989	2617114	2604418	2621174	0.73	cps
Scandium	45-2	299734	299050	301138	299974	0.35	cps
Selenium	82-1	377	333	327	346	7.82	cps
Selenium	77-2	163	170	150	161	6.32	cps
Selenium	78-2	523	443	480	482	8.30	cps
Silicon	28-1	12067860	12260760	12467433	12265351	1.63	cps
Silver	107-1	3477	3851	3864	3731	5.89	cps
Silver	109-1	3590	3517	3604	3570	1.31	cps
Sodium	23-2	209899	207730	210290	209306	0.66	cps
Strontium	86-1	581039	591572	593583	588731	1.14	cps
Strontium	88-1	5374693	5422032	5428608	5408444	0.54	cps
Sulfur	34-1	107709	107253	105776	106913	0.95	cps
Terbium	159-1	5931185	5801924	5898926	5877345	1.14	cps
Terbium	159-2	3794343	3852308	3839483	3828712	0.80	cps
Thallium	203-1	1543	1577	1590	1570	1.53	cps
Thallium	205-1	3774	3641	3651	3688	2.01	cps
Tin	118-1	9006	9723	9567	9432	4.00	cps
Titanium	47-1	813615	830715	842308	828879	1.74	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-18	Instrumnet Name :	P7
Client Sample ID :	MYE465	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:22:16	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15459	15990	15743	15730	1.69	cps
Vanadium	51-2	420021	417896	418165	418694	0.28	cps
Yttrium	89-1	8153005	8125308	8245682	8174665	0.77	cps
Yttrium	89-2	2402589	2388797	2389743	2393710	0.32	cps
Zinc	66-2	117209	116406	116060	116559	0.51	cps
Zirconium	90-1	138351	141244	142313	140636	1.46	cps
Zirconium	91-1	30295	31744	32175	31405	3.14	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-19	Instrumnet Name :	P7
Client Sample ID :	MYE466	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:25:25	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5071221	5037203	5065760	5058061	0.36	cps
Antimony	121-1	11772	12045	11738	11852	1.42	cps
Arsenic	75-2	35001	34273	34694	34656	1.06	cps
Barium	135-1	506930	514853	514713	512165	0.89	cps
Barium	137-1	878367	890857	898575	889267	1.15	cps
Beryllium	9-1	760	797	817	791	3.63	cps
Bismuth	209-1	3578519	3503658	3562848	3548342	1.11	cps
Bismuth	209-2	2697089	2677443	2686475	2687003	0.37	cps
Bromine	81-1	7675	7599	7749	7674	0.98	cps
Bromine	81-2	647	670	650	656	1.92	cps
Cadmium	108-1	253	260	243	252	3.33	cps
Cadmium	106-1	1490	1457	1370	1439	4.31	cps
Cadmium	111-1	3546	3475	3376	3465	2.47	cps
Calcium	43-1	212298	215322	214709	214109	0.75	cps
Calcium	44-1	3348809	3432747	3350997	3377518	1.42	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	227914	228802	226401	227706	0.53	cps
Cobalt	59-2	162273	163447	161545	162422	0.59	cps
Copper	63-2	910772	913666	910654	911697	0.19	cps
Dysprosium	156-1	33326	34750	34930	34335	2.56	cps
Dysprosium	156-2	29458	30486	30687	30210	2.18	cps
Erbium	164-1	27864	29110	28877	28617	2.31	cps
Erbium	164-2	18779	18669	19040	18829	1.01	cps
Gadolinium	160-1	32708	33704	34018	33477	2.04	cps
Gadolinium	160-2	23580	24318	24642	24180	2.25	cps
Holmium	165-1	5875807	5723075	5730166	5776349	1.49	cps
Holmium	165-2	3851126	3815745	3919143	3862005	1.36	cps
Indium	115-1	4656609	4524542	4556912	4579354	1.50	cps
Indium	115-2	1709304	1693292	1696228	1699608	0.50	cps
Iron	56-2	190536937	188647544	189014671	189399717	0.53	cps
Iron	57-2	4697187	4679523	4648563	4675091	0.53	cps
Iron	54-2	10548253	10474120	10452746	10491706	0.48	cps
Krypton	83-1	210	177	213	200	10.14	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-19	Instrumnet Name :	P7
Client Sample ID :	MYE466	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:25:25	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	258491	260696	260543	259910	0.47	cps
Lead	207-1	222531	229204	226126	225954	1.48	cps
Lead	208-1	1017460	1034335	1027423	1026406	0.83	cps
Lithium	6-1	540759	545401	531536	539232	1.31	cps
Magnesium	24-2	4116636	4055632	4047095	4073121	0.93	cps
Manganese	55-2	3804324	3755308	3761205	3773612	0.71	cps
Molybdenum	94-1	34354	35323	34751	34809	1.40	cps
Molybdenum	95-1	4911	5311	4851	5024	4.98	cps
Molybdenum	96-1	12102	11875	12479	12152	2.51	cps
Molybdenum	97-1	2954	3124	3127	3068	3.23	cps
Molybdenum	98-1	7879	7859	7695	7811	1.29	cps
Neodymium	150-1	66764	66931	66610	66768	0.24	cps
Neodymium	150-2	38900	39107	39138	39048	0.33	cps
Nickel	60-2	78755	79033	78487	78759	0.35	cps
Phosphorus	31-2	25127	25298	24286	24904	2.17	cps
Potassium	39-2	3735295	3715414	3703941	3718216	0.43	cps
Rhodium	103-1	4285928	4271997	4193150	4250358	1.18	cps
Rhodium	103-2	2836535	2883521	2851940	2857332	0.84	cps
Scandium	45-1	2606814	2610360	2552089	2589754	1.26	cps
Scandium	45-2	299846	295939	295271	297019	0.83	cps
Selenium	82-1	388	413	394	398	3.39	cps
Selenium	77-2	120	163	193	159	23.21	cps
Selenium	78-2	487	517	433	479	8.81	cps
Silicon	28-1	11554604	11815805	11781621	11717344	1.21	cps
Silver	107-1	4431	4651	4497	4526	2.49	cps
Silver	109-1	4147	4374	4277	4266	2.67	cps
Sodium	23-2	180441	181092	182724	181419	0.65	cps
Strontium	86-1	191248	194153	192499	192633	0.76	cps
Strontium	88-1	1737429	1796893	1771203	1768508	1.69	cps
Sulfur	34-1	110831	107877	108797	109168	1.38	cps
Terbium	159-1	5964589	5914961	5838858	5906136	1.07	cps
Terbium	159-2	3848759	3843633	3912902	3868431	1.00	cps
Thallium	203-1	1387	1587	1493	1489	6.72	cps
Thallium	205-1	3701	3917	3577	3732	4.61	cps
Tin	118-1	10067	9857	10024	9982	1.11	cps
Titanium	47-1	669098	689063	683670	680610	1.52	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-19	Instrumnet Name :	P7
Client Sample ID :	MYE466	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:25:25	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16237	17381	16137	16585	4.17	cps
Vanadium	51-2	377940	373040	372332	374437	0.82	cps
Yttrium	89-1	8139572	8108549	8014552	8087558	0.80	cps
Yttrium	89-2	2418516	2380500	2400926	2399980	0.79	cps
Zinc	66-2	137913	137113	137328	137451	0.30	cps
Zirconium	90-1	85919	86979	85853	86250	0.73	cps
Zirconium	91-1	18572	19480	19410	19154	2.64	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-20	Instrumnet Name :	P7
Client Sample ID :	MYE467	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:28:35	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5437763	5416791	5394825	5416460	0.40	cps
Antimony	121-1	8836	8786	9126	8916	2.06	cps
Arsenic	75-2	33434	33130	33210	33258	0.47	cps
Barium	135-1	588660	605390	605206	599752	1.60	cps
Barium	137-1	1030886	1042483	1048091	1040487	0.84	cps
Beryllium	9-1	787	737	747	757	3.50	cps
Bismuth	209-1	3522764	3518622	3509319	3516902	0.20	cps
Bismuth	209-2	2656523	2657505	2667703	2660577	0.23	cps
Bromine	81-1	6662	7002	7098	6921	3.32	cps
Bromine	81-2	577	603	570	583	3.02	cps
Cadmium	108-1	183	153	163	167	9.16	cps
Cadmium	106-1	1313	1493	1327	1378	7.28	cps
Cadmium	111-1	2104	2288	2288	2227	4.76	cps
Calcium	43-1	271374	278496	280020	276630	1.67	cps
Calcium	44-1	4246753	4423910	4405904	4358856	2.24	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	230377	226531	229450	228786	0.88	cps
Cobalt	59-2	162769	161374	161833	161992	0.44	cps
Copper	63-2	563205	561164	559823	561397	0.30	cps
Dysprosium	156-1	35959	36110	36942	36337	1.46	cps
Dysprosium	156-2	31262	31539	31141	31314	0.65	cps
Erbium	164-1	29451	29758	30276	29829	1.40	cps
Erbium	164-2	20325	20245	19944	20171	0.99	cps
Gadolinium	160-1	33998	34553	34857	34469	1.26	cps
Gadolinium	160-2	24638	25196	24839	24891	1.13	cps
Holmium	165-1	5749687	5706471	5671586	5709248	0.69	cps
Holmium	165-2	3803621	3871257	3939578	3871485	1.76	cps
Indium	115-1	4493880	4553941	4469410	4505744	0.97	cps
Indium	115-2	1636946	1695971	1724331	1685750	2.64	cps
Iron	56-2	182624231	181049131	182166877	181946746	0.45	cps
Iron	57-2	4503979	4564640	4524726	4531115	0.68	cps
Iron	54-2	9980656	10088105	9977339	10015367	0.63	cps
Krypton	83-1	247	203	173	208	17.74	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-20	Instrumnet Name :	P7
Client Sample ID :	MYE467	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:28:35	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	178743	181521	181407	180557	0.87	cps
Lead	207-1	151615	155779	155009	154134	1.44	cps
Lead	208-1	696444	709273	708658	704792	1.03	cps
Lithium	6-1	533353	528099	516378	525943	1.65	cps
Magnesium	24-2	4111470	4130391	4136546	4126136	0.32	cps
Manganese	55-2	4240621	4319135	4279592	4279783	0.92	cps
Molybdenum	94-1	46373	47754	46841	46990	1.49	cps
Molybdenum	95-1	5051	5161	5094	5102	1.09	cps
Molybdenum	96-1	13943	14431	14931	14435	3.42	cps
Molybdenum	97-1	3060	3107	3007	3058	1.64	cps
Molybdenum	98-1	7949	7635	8099	7894	3.00	cps
Neodymium	150-1	66623	68783	69608	68338	2.26	cps
Neodymium	150-2	40943	40551	40254	40583	0.85	cps
Nickel	60-2	77368	76668	76762	76933	0.49	cps
Phosphorus	31-2	17961	18665	18358	18328	1.93	cps
Potassium	39-2	3185494	3164709	3170621	3173608	0.34	cps
Rhodium	103-1	4282489	4159814	4232485	4224929	1.46	cps
Rhodium	103-2	2732195	2818359	2824920	2791825	1.85	cps
Scandium	45-1	2596178	2573363	2571191	2580244	0.54	cps
Scandium	45-2	292397	296743	296280	295140	0.81	cps
Selenium	82-1	281	320	380	327	15.29	cps
Selenium	77-2	150	110	120	127	16.43	cps
Selenium	78-2	413	363	467	414	12.47	cps
Silicon	28-1	11408206	11539885	11587054	11511715	0.81	cps
Silver	107-1	2690	2867	3004	2854	5.51	cps
Silver	109-1	2517	2674	2747	2646	4.44	cps
Sodium	23-2	157968	156901	157049	157306	0.37	cps
Strontium	86-1	183429	188211	187619	186420	1.40	cps
Strontium	88-1	1652448	1678914	1725199	1685520	2.18	cps
Sulfur	34-1	102339	101011	99206	100852	1.56	cps
Terbium	159-1	5886007	5918998	5845449	5883485	0.63	cps
Terbium	159-2	3802774	3865640	3940147	3869520	1.78	cps
Thallium	203-1	1437	1537	1473	1482	3.41	cps
Thallium	205-1	3400	3550	3727	3559	4.60	cps
Tin	118-1	8803	8870	8569	8747	1.80	cps
Titanium	47-1	700074	710115	721326	710505	1.50	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-20	Instrumnet Name :	P7
Client Sample ID :	MYE467	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:28:35	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14905	15830	15409	15381	3.01	cps
Vanadium	51-2	365521	364313	363327	364387	0.30	cps
Yttrium	89-1	8091335	8061323	8044026	8065561	0.30	cps
Yttrium	89-2	2391617	2379766	2395302	2388895	0.34	cps
Zinc	66-2	99311	99844	99519	99558	0.27	cps
Zirconium	90-1	118505	120298	121942	120248	1.43	cps
Zirconium	91-1	26254	26594	27522	26790	2.45	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-21	Instrumnet Name :	P7
Client Sample ID :	MYE468	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:31:46	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5979351	5976286	6023786	5993141	0.44	cps
Antimony	121-1	7769	8499	8096	8121	4.51	cps
Arsenic	75-2	32228	31554	31791	31858	1.07	cps
Barium	135-1	642148	646535	647814	645499	0.46	cps
Barium	137-1	1083693	1111899	1115405	1103666	1.58	cps
Beryllium	9-1	820	777	853	817	4.71	cps
Bismuth	209-1	3550381	3534502	3464719	3516534	1.30	cps
Bismuth	209-2	2609962	2612072	2675389	2632475	1.41	cps
Bromine	81-1	7769	7705	8116	7863	2.81	cps
Bromine	81-2	740	797	747	761	4.07	cps
Cadmium	108-1	170	153	113	146	20.01	cps
Cadmium	106-1	1213	1267	1457	1312	9.75	cps
Cadmium	111-1	2004	2153	2240	2132	5.61	cps
Calcium	43-1	207919	211937	211589	210481	1.06	cps
Calcium	44-1	3280485	3324062	3360047	3321532	1.20	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	270062	268977	267888	268976	0.40	cps
Cobalt	59-2	195741	195440	195510	195564	0.08	cps
Copper	63-2	578214	580575	579275	579355	0.20	cps
Dysprosium	156-1	40909	42096	41839	41615	1.50	cps
Dysprosium	156-2	36050	34970	35869	35630	1.62	cps
Erbium	164-1	34138	34706	34038	34294	1.05	cps
Erbium	164-2	22248	23029	22809	22695	1.77	cps
Gadolinium	160-1	39920	40913	40605	40479	1.26	cps
Gadolinium	160-2	29194	29685	29641	29507	0.92	cps
Holmium	165-1	5658585	5697550	5644459	5666864	0.49	cps
Holmium	165-2	3848133	3768698	3868874	3828568	1.38	cps
Indium	115-1	4581995	4588844	4528070	4566303	0.73	cps
Indium	115-2	1702278	1699400	1691819	1697832	0.32	cps
Iron	56-2	201805524	202674717	201800144	202093461	0.25	cps
Iron	57-2	5074527	5053442	4988365	5038778	0.89	cps
Iron	54-2	11282858	11125601	11150186	11186215	0.76	cps
Krypton	83-1	207	227	227	220	5.25	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-21	Instrumnet Name :	P7
Client Sample ID :	MYE468	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:31:46	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	162654	163335	162877	162955	0.21	cps
Lead	207-1	135498	137149	138465	137037	1.08	cps
Lead	208-1	623330	636667	635246	631748	1.16	cps
Lithium	6-1	522654	519413	516548	519538	0.59	cps
Magnesium	24-2	4645654	4631223	4594643	4623840	0.57	cps
Manganese	55-2	4594982	4581966	4487278	4554742	1.29	cps
Molybdenum	94-1	24507	25202	25519	25076	2.06	cps
Molybdenum	95-1	5955	6085	6131	6057	1.51	cps
Molybdenum	96-1	11588	11892	11818	11766	1.35	cps
Molybdenum	97-1	3777	3510	3701	3663	3.75	cps
Molybdenum	98-1	9416	9530	9280	9409	1.33	cps
Neodymium	150-1	77538	77233	78655	77809	0.96	cps
Neodymium	150-2	46052	45540	45042	45544	1.11	cps
Nickel	60-2	84939	86246	86645	85943	1.04	cps
Phosphorus	31-2	20651	20671	20280	20534	1.07	cps
Potassium	39-2	4112941	4048236	4079239	4080139	0.79	cps
Rhodium	103-1	4247030	4229433	4217748	4231404	0.35	cps
Rhodium	103-2	2866976	2858273	2831254	2852168	0.65	cps
Scandium	45-1	2631156	2659409	2632642	2641069	0.60	cps
Scandium	45-2	302773	301534	300672	301660	0.35	cps
Selenium	82-1	406	342	347	365	9.63	cps
Selenium	77-2	150	193	97	147	33.01	cps
Selenium	78-2	400	397	403	400	0.83	cps
Silicon	28-1	11016738	11116288	10945452	11026159	0.78	cps
Silver	107-1	2584	2617	2660	2620	1.47	cps
Silver	109-1	2454	2320	2427	2400	2.94	cps
Sodium	23-2	149026	149700	148418	149048	0.43	cps
Strontium	86-1	165372	170173	171011	168852	1.80	cps
Strontium	88-1	1532326	1548419	1568194	1549646	1.16	cps
Sulfur	34-1	100135	98562	98545	99081	0.92	cps
Terbium	159-1	5862104	5879792	5839084	5860327	0.35	cps
Terbium	159-2	3843821	3837117	3834526	3838488	0.12	cps
Thallium	203-1	1463	1477	1600	1513	4.98	cps
Thallium	205-1	3624	3791	3901	3772	3.69	cps
Tin	118-1	8302	8049	8002	8118	1.99	cps
Titanium	47-1	620915	643180	634575	632890	1.77	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-21	Instrumnet Name :	P7
Client Sample ID :	MYE468	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:31:46	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	19404	19615	19461	19493	0.56	cps
Vanadium	51-2	396273	394718	393731	394907	0.32	cps
Yttrium	89-1	8198895	8193402	8165835	8186044	0.22	cps
Yttrium	89-2	2459907	2452196	2397160	2436421	1.40	cps
Zinc	66-2	110710	109622	108014	109449	1.24	cps
Zirconium	90-1	58141	59819	59008	58989	1.42	cps
Zirconium	91-1	12646	13059	13253	12986	2.39	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-22	Instrumnet Name :	P7
Client Sample ID :	MYE469	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:34:58	DataFile Name :	078SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8323716	8389206	8272785	8328569	0.70	cps
Antimony	121-1	8146	8279	8553	8326	2.49	cps
Arsenic	75-2	46008	44811	44640	45153	1.65	cps
Barium	135-1	944407	957673	955074	952385	0.74	cps
Barium	137-1	1779402	1799586	1795510	1791499	0.60	cps
Beryllium	9-1	1133	1150	1200	1161	2.99	cps
Bismuth	209-1	3522910	3484699	3366570	3458059	2.36	cps
Bismuth	209-2	2659497	2679154	2643226	2660625	0.68	cps
Bromine	81-1	8709	8986	9226	8974	2.88	cps
Bromine	81-2	1030	943	977	983	4.45	cps
Cadmium	108-1	197	230	190	206	10.43	cps
Cadmium	106-1	1537	1343	1417	1432	6.81	cps
Cadmium	111-1	2482	2470	2362	2438	2.70	cps
Calcium	43-1	354065	359682	358644	357464	0.84	cps
Calcium	44-1	5599282	5548965	5588260	5578835	0.47	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	317898	315794	315131	316274	0.46	cps
Cobalt	59-2	217143	217136	216037	216772	0.29	cps
Copper	63-2	756793	749848	743002	749881	0.92	cps
Dysprosium	156-1	45176	45741	45460	45459	0.62	cps
Dysprosium	156-2	39920	40348	39452	39907	1.12	cps
Erbium	164-1	38623	38586	38389	38533	0.33	cps
Erbium	164-2	26208	25964	25744	25972	0.89	cps
Gadolinium	160-1	44403	44260	44009	44224	0.45	cps
Gadolinium	160-2	31646	32027	32073	31915	0.73	cps
Holmium	165-1	5842123	5736362	5464600	5681028	3.43	cps
Holmium	165-2	3926997	3884544	3834961	3882167	1.19	cps
Indium	115-1	4564485	4574374	4253556	4464138	4.09	cps
Indium	115-2	1725711	1732491	1696434	1718212	1.12	cps
Iron	56-2	250615543	248453010	246283323	248450625	0.87	cps
Iron	57-2	6227061	6139841	6190918	6185940	0.71	cps
Iron	54-2	13716589	13672258	13691259	13693368	0.16	cps
Krypton	83-1	207	227	200	211	6.57	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-22	Instrumnet Name :	P7
Client Sample ID :	MYE469	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:34:58	DataFile Name :	078SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	238608	243622	243420	241883	1.17	cps
Lead	207-1	207633	207884	211028	208848	0.91	cps
Lead	208-1	941858	949256	958263	949793	0.86	cps
Lithium	6-1	505678	507212	484438	499109	2.55	cps
Magnesium	24-2	6225979	6265213	6197103	6229432	0.55	cps
Manganese	55-2	8154646	8085726	8031820	8090731	0.76	cps
Molybdenum	94-1	49049	49754	50466	49756	1.42	cps
Molybdenum	95-1	6038	6375	6441	6285	3.44	cps
Molybdenum	96-1	15925	16029	16653	16202	2.43	cps
Molybdenum	97-1	3714	4131	3767	3871	5.86	cps
Molybdenum	98-1	9647	9833	9823	9768	1.08	cps
Neodymium	150-1	84494	86523	86024	85680	1.23	cps
Neodymium	150-2	50607	50473	50804	50628	0.33	cps
Nickel	60-2	101504	100074	99595	100391	0.99	cps
Phosphorus	31-2	22590	22550	21689	22276	2.29	cps
Potassium	39-2	4479843	4442875	4385823	4436180	1.07	cps
Rhodium	103-1	4328544	4227994	3987575	4181371	4.19	cps
Rhodium	103-2	2874292	2855414	2856730	2862145	0.37	cps
Scandium	45-1	2663459	2647217	2515163	2608613	3.12	cps
Scandium	45-2	309775	308094	306526	308132	0.53	cps
Selenium	82-1	383	335	344	354	7.24	cps
Selenium	77-2	187	167	160	171	8.11	cps
Selenium	78-2	447	537	400	461	15.07	cps
Silicon	28-1	12157504	12195460	12053434	12135466	0.61	cps
Silver	107-1	4031	4181	4081	4097	1.86	cps
Silver	109-1	3961	3987	3937	3962	0.63	cps
Sodium	23-2	139310	137686	137511	138169	0.72	cps
Strontium	86-1	203262	206581	210243	206695	1.69	cps
Strontium	88-1	1857474	1908027	1934170	1899890	2.05	cps
Sulfur	34-1	104561	103853	102316	103577	1.11	cps
Terbium	159-1	5909911	5812045	5417202	5713052	4.57	cps
Terbium	159-2	3906555	3829006	3898762	3878108	1.10	cps
Thallium	203-1	2424	2334	2377	2378	1.89	cps
Thallium	205-1	5698	5931	5658	5762	2.56	cps
Tin	118-1	10998	10908	11331	11079	2.01	cps
Titanium	47-1	707042	712740	717846	712543	0.76	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-22	Instrumnet Name :	P7
Client Sample ID :	MYE469	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:34:58	DataFile Name :	078SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15960	15883	16497	16113	2.08	cps
Vanadium	51-2	472827	471163	466516	470169	0.70	cps
Yttrium	89-1	8335881	8449310	7830437	8205210	4.02	cps
Yttrium	89-2	2439431	2469981	2485973	2465129	0.96	cps
Zinc	66-2	142923	142146	142449	142506	0.28	cps
Zirconium	90-1	122761	124674	127519	124985	1.92	cps
Zirconium	91-1	27149	27719	27927	27598	1.46	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-01	Instrumnet Name :	P7
Client Sample ID :	MYE470	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:38:06	DataFile Name :	079SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6236567	6226708	6210720	6224665	0.21	cps
Antimony	121-1	11458	11838	11738	11678	1.69	cps
Arsenic	75-2	43494	43019	43143	43218	0.57	cps
Barium	135-1	605917	609235	611533	608895	0.46	cps
Barium	137-1	1045669	1048497	1051691	1048619	0.29	cps
Beryllium	9-1	873	857	867	866	0.97	cps
Bismuth	209-1	3573691	3622995	3483575	3560087	1.99	cps
Bismuth	209-2	2687942	2705102	2613550	2668865	1.82	cps
Bromine	81-1	7462	7449	7449	7453	0.10	cps
Bromine	81-2	673	657	753	694	7.44	cps
Cadmium	108-1	183	223	230	212	11.89	cps
Cadmium	106-1	1607	1527	1507	1547	3.42	cps
Cadmium	111-1	3050	2883	2931	2954	2.92	cps
Calcium	43-1	383760	385544	386128	385144	0.32	cps
Calcium	44-1	6014329	6025676	6079424	6039809	0.58	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	276172	273906	271871	273983	0.79	cps
Cobalt	59-2	203802	205357	203879	204346	0.43	cps
Copper	63-2	783739	774347	777273	778453	0.62	cps
Dysprosium	156-1	36304	37122	37105	36844	1.27	cps
Dysprosium	156-2	31692	32354	32341	32129	1.18	cps
Erbium	164-1	30851	30834	30517	30734	0.61	cps
Erbium	164-2	20762	20575	21069	20802	1.20	cps
Gadolinium	160-1	35271	36350	35588	35737	1.55	cps
Gadolinium	160-2	25116	25794	25667	25526	1.41	cps
Holmium	165-1	5787432	5797745	5766558	5783911	0.27	cps
Holmium	165-2	3870266	3908830	3789591	3856229	1.58	cps
Indium	115-1	4669572	4622869	4570445	4620962	1.07	cps
Indium	115-2	1716651	1711715	1710893	1713086	0.18	cps
Iron	56-2	236839030	235127810	233521983	235162941	0.71	cps
Iron	57-2	5856714	5797663	5859489	5837955	0.60	cps
Iron	54-2	12972977	13015558	12935614	12974716	0.31	cps
Krypton	83-1	187	197	213	199	6.77	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-01	Instrumnet Name :	P7
Client Sample ID :	MYE470	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:38:06	DataFile Name :	079SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	257698	259576	259139	258804	0.38	cps
Lead	207-1	218172	223099	224921	222064	1.57	cps
Lead	208-1	1001537	1015675	1013375	1010196	0.75	cps
Lithium	6-1	513880	508790	499594	507422	1.43	cps
Magnesium	24-2	5067301	5053950	5088187	5069813	0.34	cps
Manganese	55-2	4902433	4885067	4871711	4886404	0.32	cps
Molybdenum	94-1	44678	43952	44337	44322	0.82	cps
Molybdenum	95-1	3807	3984	3964	3918	2.47	cps
Molybdenum	96-1	13223	13103	13279	13202	0.68	cps
Molybdenum	97-1	2494	2407	2527	2476	2.50	cps
Molybdenum	98-1	6071	6285	6145	6167	1.76	cps
Neodymium	150-1	69905	69611	71004	70173	1.05	cps
Neodymium	150-2	41675	41956	41019	41550	1.16	cps
Nickel	60-2	96619	96488	96052	96386	0.31	cps
Phosphorus	31-2	20831	20220	20951	20667	1.90	cps
Potassium	39-2	3229684	3256745	3217523	3234651	0.62	cps
Rhodium	103-1	4309806	4305175	4234643	4283208	0.98	cps
Rhodium	103-2	2818517	2870959	2863677	2851051	1.00	cps
Scandium	45-1	2652766	2592394	2614732	2619964	1.17	cps
Scandium	45-2	300334	303639	300942	301638	0.58	cps
Selenium	82-1	344	398	358	367	7.66	cps
Selenium	77-2	150	143	160	151	5.55	cps
Selenium	78-2	423	477	543	481	12.50	cps
Silicon	28-1	10680025	10641229	10737459	10686238	0.45	cps
Silver	107-1	3671	3397	3670	3579	4.41	cps
Silver	109-1	3237	3387	3387	3337	2.60	cps
Sodium	23-2	158089	155998	157817	157301	0.72	cps
Strontium	86-1	216251	216129	218118	216833	0.51	cps
Strontium	88-1	1955250	1974350	1993823	1974474	0.98	cps
Sulfur	34-1	105934	105185	105306	105475	0.38	cps
Terbium	159-1	5967199	5894138	5892035	5917790	0.72	cps
Terbium	159-2	3864382	3910742	3929050	3901391	0.85	cps
Thallium	203-1	1773	1760	1780	1771	0.58	cps
Thallium	205-1	4171	4441	4361	4324	3.21	cps
Tin	118-1	10764	10514	10574	10617	1.23	cps
Titanium	47-1	697437	701525	701496	700152	0.34	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-01	Instrumnet Name :	P7
Client Sample ID :	MYE470	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:38:06	DataFile Name :	079SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14491	14408	14108	14336	1.41	cps
Vanadium	51-2	446679	447526	448125	447444	0.16	cps
Yttrium	89-1	8107196	8100871	8171361	8126476	0.48	cps
Yttrium	89-2	2448707	2434035	2447387	2443376	0.33	cps
Zinc	66-2	126752	127590	125798	126713	0.71	cps
Zirconium	90-1	114102	114842	115329	114758	0.54	cps
Zirconium	91-1	24834	25843	25619	25432	2.08	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-02	Instrumnet Name :	P7
Client Sample ID :	MYE471	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:41:18	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7491234	7403970	7510926	7468710	0.76	cps
Antimony	121-1	5975	5988	6001	5988	0.22	cps
Arsenic	75-2	30291	30037	29676	30001	1.03	cps
Barium	135-1	765828	787501	777187	776838	1.40	cps
Barium	137-1	1314887	1362436	1334571	1337298	1.79	cps
Beryllium	9-1	897	1070	1020	996	8.96	cps
Bismuth	209-1	3541516	3576979	3516395	3544963	0.86	cps
Bismuth	209-2	2660835	2667162	2653613	2660537	0.25	cps
Bromine	81-1	7912	8299	8166	8126	2.42	cps
Bromine	81-2	887	787	827	833	6.04	cps
Cadmium	108-1	193	197	187	192	2.65	cps
Cadmium	106-1	1480	1373	1460	1438	3.94	cps
Cadmium	111-1	2061	2097	2061	2073	1.00	cps
Calcium	43-1	266759	275392	273676	271943	1.68	cps
Calcium	44-1	4233205	4286696	4324978	4281626	1.08	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	293563	296958	295278	295266	0.57	cps
Cobalt	59-2	203502	202724	201522	202583	0.49	cps
Copper	63-2	517634	513188	515467	515430	0.43	cps
Dysprosium	156-1	46366	46664	48233	47088	2.13	cps
Dysprosium	156-2	40040	40411	40094	40182	0.50	cps
Erbium	164-1	38987	39593	39021	39200	0.87	cps
Erbium	164-2	26425	26428	26649	26501	0.48	cps
Gadolinium	160-1	44674	46524	46273	45824	2.19	cps
Gadolinium	160-2	32671	33062	32428	32720	0.98	cps
Holmium	165-1	5716002	5745131	5678181	5713105	0.59	cps
Holmium	165-2	3871924	3841843	3882923	3865563	0.55	cps
Indium	115-1	4599360	4550897	4557230	4569162	0.58	cps
Indium	115-2	1708601	1698678	1690453	1699244	0.53	cps
Iron	56-2	227939077	229183617	228593070	228571921	0.27	cps
Iron	57-2	5734287	5675895	5660224	5690135	0.69	cps
Iron	54-2	12729919	12683230	12580481	12664543	0.60	cps
Krypton	83-1	220	230	250	233	6.55	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-02	Instrumnet Name :	P7
Client Sample ID :	MYE471	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:41:18	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	146416	147571	148531	147506	0.72	cps
Lead	207-1	121831	125469	124383	123894	1.51	cps
Lead	208-1	564687	570699	573159	569515	0.77	cps
Lithium	6-1	510276	522367	513524	515389	1.21	cps
Magnesium	24-2	5334380	5229079	5285568	5283009	1.00	cps
Manganese	55-2	5408979	5396567	5341422	5382323	0.67	cps
Molybdenum	94-1	47905	49320	50540	49255	2.68	cps
Molybdenum	95-1	5461	5521	5221	5401	2.94	cps
Molybdenum	96-1	15108	15485	15115	15236	1.42	cps
Molybdenum	97-1	3310	3337	3624	3424	5.07	cps
Molybdenum	98-1	8619	8546	8362	8509	1.55	cps
Neodymium	150-1	86658	89267	88663	88196	1.55	cps
Neodymium	150-2	52798	51611	51614	52008	1.32	cps
Nickel	60-2	92547	92483	92141	92391	0.24	cps
Phosphorus	31-2	21235	21412	21221	21289	0.50	cps
Potassium	39-2	4196433	4116328	4125992	4146251	1.05	cps
Rhodium	103-1	4255978	4246820	4238977	4247258	0.20	cps
Rhodium	103-2	2808375	2814516	2850080	2824324	0.80	cps
Scandium	45-1	2635515	2634548	2627148	2632404	0.17	cps
Scandium	45-2	304763	302280	300342	302461	0.73	cps
Selenium	82-1	308	369	322	333	9.53	cps
Selenium	77-2	150	187	227	188	20.42	cps
Selenium	78-2	430	513	473	472	8.83	cps
Silicon	28-1	13370889	13475799	13493850	13446846	0.49	cps
Silver	107-1	2157	2094	2087	2112	1.83	cps
Silver	109-1	2014	1837	2027	1959	5.41	cps
Sodium	23-2	159858	160120	160769	160249	0.29	cps
Strontium	86-1	179228	183887	182896	182004	1.35	cps
Strontium	88-1	1617616	1667936	1679247	1654933	1.98	cps
Sulfur	34-1	101044	99847	99380	100091	0.86	cps
Terbium	159-1	5885557	5958674	5830578	5891603	1.09	cps
Terbium	159-2	3844140	3874258	3872831	3863743	0.44	cps
Thallium	203-1	1893	1910	2004	1936	3.06	cps
Thallium	205-1	4604	4497	4911	4671	4.60	cps
Tin	118-1	10971	11488	11405	11288	2.46	cps
Titanium	47-1	781007	802210	810298	797838	1.90	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-02	Instrumnet Name :	P7
Client Sample ID :	MYE471	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:41:18	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17014	17565	17525	17368	1.77	cps
Vanadium	51-2	433184	429801	428415	430467	0.57	cps
Yttrium	89-1	8304402	8352868	8237319	8298196	0.70	cps
Yttrium	89-2	2426667	2429063	2431671	2429134	0.10	cps
Zinc	66-2	114622	114727	113651	114333	0.52	cps
Zirconium	90-1	124230	126890	127551	126224	1.39	cps
Zirconium	91-1	27165	28618	28404	28063	2.79	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-03	Instrumnet Name :	P7
Client Sample ID :	MYE472	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:44:26	DataFile Name :	081SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8272513	8222562	8209039	8234705	0.41	cps
Antimony	121-1	10834	11011	11224	11023	1.77	cps
Arsenic	75-2	56145	54637	54382	55055	1.73	cps
Barium	135-1	1324785	1342738	1347117	1338213	0.88	cps
Barium	137-1	2487591	2537767	2537178	2520845	1.14	cps
Beryllium	9-1	1053	1067	1213	1111	7.99	cps
Bismuth	209-1	3558436	3542036	3491962	3530811	0.98	cps
Bismuth	209-2	2705507	2623909	2651430	2660282	1.56	cps
Bromine	81-1	6955	7088	6788	6944	2.17	cps
Bromine	81-2	577	480	480	512	10.90	cps
Cadmium	108-1	160	197	180	179	10.26	cps
Cadmium	106-1	1573	1557	1657	1596	3.36	cps
Cadmium	111-1	2009	2005	1994	2003	0.41	cps
Calcium	43-1	548014	561023	562311	557116	1.42	cps
Calcium	44-1	8787265	8874297	8898233	8853265	0.66	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	303932	300636	300961	301843	0.60	cps
Cobalt	59-2	201887	199617	198185	199896	0.93	cps
Copper	63-2	483297	481952	483677	482975	0.19	cps
Dysprosium	156-1	46079	46072	47380	46510	1.62	cps
Dysprosium	156-2	40826	40505	41438	40923	1.16	cps
Erbium	164-1	37209	37083	37597	37296	0.72	cps
Erbium	164-2	25463	25376	25056	25298	0.85	cps
Gadolinium	160-1	44551	45052	44674	44759	0.58	cps
Gadolinium	160-2	32404	31796	31535	31912	1.40	cps
Holmium	165-1	5750640	5715640	5677819	5714700	0.64	cps
Holmium	165-2	3917694	3885058	3879035	3893929	0.53	cps
Indium	115-1	4577638	4576106	4584003	4579249	0.09	cps
Indium	115-2	1734439	1715379	1680579	1710132	1.60	cps
Iron	56-2	250520876	249511156	248576676	249536236	0.39	cps
Iron	57-2	6274841	6246642	6198141	6239875	0.62	cps
Iron	54-2	13898734	13809205	13728151	13812030	0.62	cps
Krypton	83-1	247	267	187	233	17.84	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-03	Instrumnet Name :	P7
Client Sample ID :	MYE472	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:44:26	DataFile Name :	081SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	138703	141969	143148	141273	1.63	cps
Lead	207-1	119366	120377	120758	120167	0.60	cps
Lead	208-1	547874	556623	553699	552732	0.81	cps
Lithium	6-1	518310	519459	511691	516486	0.81	cps
Magnesium	24-2	6462152	6531810	6556860	6516941	0.75	cps
Manganese	55-2	5207871	5159289	5144075	5170412	0.64	cps
Molybdenum	94-1	89683	92580	92279	91514	1.74	cps
Molybdenum	95-1	3164	3357	3220	3247	3.06	cps
Molybdenum	96-1	19987	20424	19907	20106	1.39	cps
Molybdenum	97-1	1713	2004	1950	1889	8.17	cps
Molybdenum	98-1	5038	4948	4964	4983	0.96	cps
Neodymium	150-1	94189	97511	98122	96607	2.19	cps
Neodymium	150-2	57276	56797	56426	56833	0.75	cps
Nickel	60-2	126616	125285	123291	125064	1.34	cps
Phosphorus	31-2	26423	26286	25902	26204	1.03	cps
Potassium	39-2	3431194	3477947	3431572	3446904	0.78	cps
Rhodium	103-1	4261207	4255768	4203133	4240036	0.76	cps
Rhodium	103-2	2819183	2795848	2832587	2815873	0.66	cps
Scandium	45-1	2692692	2707491	2700498	2700227	0.27	cps
Scandium	45-2	308494	307563	306395	307484	0.34	cps
Selenium	82-1	281	286	361	309	14.59	cps
Selenium	77-2	140	170	193	168	15.94	cps
Selenium	78-2	497	430	483	470	7.51	cps
Silicon	28-1	12938186	13020697	13111622	13023502	0.67	cps
Silver	107-1	1730	1853	1733	1772	3.96	cps
Silver	109-1	1627	1763	1607	1666	5.12	cps
Sodium	23-2	147314	146347	147148	146937	0.35	cps
Strontium	86-1	545887	555206	553534	551542	0.90	cps
Strontium	88-1	5016228	5057344	5103056	5058876	0.86	cps
Sulfur	34-1	101715	102165	103561	102481	0.94	cps
Terbium	159-1	6012696	5897630	5876506	5928944	1.24	cps
Terbium	159-2	3816726	3838300	3866785	3840604	0.65	cps
Thallium	203-1	1630	1657	1610	1632	1.43	cps
Thallium	205-1	3787	3704	3527	3673	3.62	cps
Tin	118-1	8246	8256	8259	8254	0.08	cps
Titanium	47-1	747505	769540	765914	760986	1.55	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-03	Instrumnet Name :	P7
Client Sample ID :	MYE472	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:44:26	DataFile Name :	081SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18309	18787	18353	18483	1.43	cps
Vanadium	51-2	505997	502862	497749	502203	0.83	cps
Yttrium	89-1	8299674	8417016	8242764	8319818	1.07	cps
Yttrium	89-2	2466590	2407545	2435209	2436448	1.21	cps
Zinc	66-2	99371	98422	98915	98903	0.48	cps
Zirconium	90-1	237874	242993	243440	241436	1.28	cps
Zirconium	91-1	54310	54561	54260	54377	0.30	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-04	Instrumnet Name :	P7
Client Sample ID :	MYE473	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:47:37	DataFile Name :	082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6484919	6441368	6379924	6435404	0.82	cps
Antimony	121-1	9597	9640	9740	9659	0.76	cps
Arsenic	75-2	40465	39439	39456	39787	1.48	cps
Barium	135-1	623335	631979	632739	629351	0.83	cps
Barium	137-1	1070895	1097165	1094957	1087672	1.34	cps
Beryllium	9-1	780	807	857	814	4.78	cps
Bismuth	209-1	3641476	3583764	3568467	3597902	1.07	cps
Bismuth	209-2	2706267	2696133	2670535	2690978	0.68	cps
Bromine	81-1	6918	7342	7192	7151	3.00	cps
Bromine	81-2	567	693	647	636	10.08	cps
Cadmium	108-1	287	240	273	267	9.01	cps
Cadmium	106-1	1567	1537	1530	1545	1.26	cps
Cadmium	111-1	3396	3331	3510	3413	2.65	cps
Calcium	43-1	344644	352108	358255	351669	1.94	cps
Calcium	44-1	5493677	5517018	5559555	5523417	0.60	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	268858	266213	266272	267115	0.57	cps
Cobalt	59-2	186927	186694	184615	186078	0.68	cps
Copper	63-2	982940	983202	975871	980671	0.42	cps
Dysprosium	156-1	39509	39763	40642	39971	1.49	cps
Dysprosium	156-2	33918	34038	34285	34080	0.55	cps
Erbium	164-1	32174	33286	33313	32924	1.97	cps
Erbium	164-2	22411	22138	22031	22193	0.88	cps
Gadolinium	160-1	37333	38530	38707	38190	1.96	cps
Gadolinium	160-2	27571	27834	27317	27574	0.94	cps
Holmium	165-1	5687598	5806132	5723170	5738967	1.06	cps
Holmium	165-2	3949129	3874116	3824762	3882669	1.61	cps
Indium	115-1	4631232	4585392	4556185	4590936	0.82	cps
Indium	115-2	1726313	1726663	1681459	1711478	1.52	cps
Iron	56-2	209917377	209907377	208001444	209275399	0.53	cps
Iron	57-2	5222408	5247034	5122645	5197362	1.27	cps
Iron	54-2	11590510	11517352	11532305	11546722	0.33	cps
Krypton	83-1	207	193	190	197	4.48	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-04	Instrumnet Name :	P7
Client Sample ID :	MYE473	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:47:37	DataFile Name :	082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	289376	294277	296154	293269	1.19	cps
Lead	207-1	252436	259200	258898	256845	1.49	cps
Lead	208-1	1142921	1160693	1172850	1158821	1.30	cps
Lithium	6-1	529955	532933	529509	530799	0.35	cps
Magnesium	24-2	4926852	4900449	4829918	4885739	1.03	cps
Manganese	55-2	4356218	4348666	4333993	4346292	0.26	cps
Molybdenum	94-1	46938	48671	48206	47938	1.87	cps
Molybdenum	95-1	4164	4187	4131	4161	0.68	cps
Molybdenum	96-1	13466	14087	13777	13777	2.25	cps
Molybdenum	97-1	2567	2597	2604	2589	0.75	cps
Molybdenum	98-1	6428	6468	6221	6373	2.08	cps
Neodymium	150-1	73735	75541	75987	75087	1.59	cps
Neodymium	150-2	44500	45032	45346	44959	0.95	cps
Nickel	60-2	88023	88804	88707	88511	0.48	cps
Phosphorus	31-2	20784	21211	21115	21037	1.06	cps
Potassium	39-2	4193545	4204612	4137262	4178473	0.86	cps
Rhodium	103-1	4348142	4281524	4187570	4272412	1.89	cps
Rhodium	103-2	2850677	2812814	2825991	2829827	0.68	cps
Scandium	45-1	2631787	2623477	2664510	2639925	0.82	cps
Scandium	45-2	303704	302412	298986	301701	0.81	cps
Selenium	82-1	382	387	409	393	3.61	cps
Selenium	77-2	153	117	90	120	26.50	cps
Selenium	78-2	520	497	547	521	4.80	cps
Silicon	28-1	13073599	13154644	13268993	13165745	0.75	cps
Silver	107-1	5151	5048	5024	5074	1.33	cps
Silver	109-1	4657	4921	4904	4828	3.06	cps
Sodium	23-2	145119	145941	145490	145517	0.28	cps
Strontium	86-1	196377	199359	200177	198638	1.01	cps
Strontium	88-1	1824622	1803246	1838619	1822162	0.98	cps
Sulfur	34-1	104605	104642	103541	104262	0.60	cps
Terbium	159-1	5999251	5985469	5881163	5955294	1.08	cps
Terbium	159-2	3923867	3856533	3837023	3872475	1.18	cps
Thallium	203-1	1723	1813	1770	1769	2.54	cps
Thallium	205-1	4071	4437	4277	4262	4.31	cps
Tin	118-1	8616	8723	8873	8737	1.48	cps
Titanium	47-1	710893	726668	726898	721486	1.27	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-04	Instrumnet Name :	P7
Client Sample ID :	MYE473	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:47:37	DataFile Name :	082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14204	14845	14805	14618	2.46	cps
Vanadium	51-2	411417	411697	409093	410736	0.35	cps
Yttrium	89-1	8254729	8188446	8177426	8206867	0.51	cps
Yttrium	89-2	2476323	2405164	2411212	2430900	1.62	cps
Zinc	66-2	142998	143886	140847	142577	1.10	cps
Zirconium	90-1	120792	123508	123229	122509	1.22	cps
Zirconium	91-1	26614	27269	27853	27245	2.28	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-05	Instrumnet Name :	P7
Client Sample ID :	MYE474	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:50:45	DataFile Name :	083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6211020	6174319	6203462	6196267	0.31	cps
Antimony	121-1	11435	11538	11722	11565	1.26	cps
Arsenic	75-2	34991	34854	34473	34773	0.77	cps
Barium	135-1	592403	589441	599587	593810	0.88	cps
Barium	137-1	1043699	1065752	1050666	1053372	1.07	cps
Beryllium	9-1	847	763	877	829	7.08	cps
Bismuth	209-1	3597000	3515688	3538706	3550465	1.18	cps
Bismuth	209-2	2705623	2718505	2699898	2708009	0.35	cps
Bromine	81-1	6852	7142	7299	7097	3.19	cps
Bromine	81-2	613	613	603	610	0.95	cps
Cadmium	108-1	190	193	193	192	1.00	cps
Cadmium	106-1	1437	1480	1387	1435	3.26	cps
Cadmium	111-1	2603	2721	2722	2682	2.55	cps
Calcium	43-1	229893	233537	235557	232996	1.23	cps
Calcium	44-1	3644837	3663099	3688657	3665531	0.60	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	255470	253107	254166	254248	0.47	cps
Cobalt	59-2	169688	170605	169808	170034	0.29	cps
Copper	63-2	698270	701496	695746	698504	0.41	cps
Dysprosium	156-1	36885	36982	37490	37119	0.88	cps
Dysprosium	156-2	32531	32541	32584	32552	0.09	cps
Erbium	164-1	30774	30363	30273	30470	0.88	cps
Erbium	164-2	21159	20739	21053	20984	1.04	cps
Gadolinium	160-1	36424	36554	36487	36489	0.18	cps
Gadolinium	160-2	26024	25336	26024	25795	1.54	cps
Holmium	165-1	5702277	5639121	5665657	5669018	0.56	cps
Holmium	165-2	3878348	3916036	3905246	3899877	0.50	cps
Indium	115-1	4426147	4454349	4525260	4468585	1.14	cps
Indium	115-2	1697248	1697347	1666358	1686984	1.06	cps
Iron	56-2	201589817	202104310	200820724	201504950	0.32	cps
Iron	57-2	4996124	4993057	4964965	4984715	0.34	cps
Iron	54-2	11223436	11141302	11093593	11152777	0.59	cps
Krypton	83-1	170	180	197	182	7.39	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-05	Instrumnet Name :	P7
Client Sample ID :	MYE474	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:50:45	DataFile Name :	083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	216541	214929	216290	215920	0.40	cps
Lead	207-1	190817	194690	192387	192631	1.01	cps
Lead	208-1	852088	855359	850878	852775	0.27	cps
Lithium	6-1	521003	513405	512741	515717	0.89	cps
Magnesium	24-2	4751606	4723407	4746492	4740501	0.32	cps
Manganese	55-2	4504550	4500743	4449823	4485038	0.68	cps
Molybdenum	94-1	41438	42000	42515	41984	1.28	cps
Molybdenum	95-1	3704	3650	3404	3586	4.46	cps
Molybdenum	96-1	12719	12362	12722	12601	1.64	cps
Molybdenum	97-1	2197	2277	2297	2257	2.34	cps
Molybdenum	98-1	5805	5778	5861	5815	0.73	cps
Neodymium	150-1	69215	70143	69380	69579	0.71	cps
Neodymium	150-2	41949	41257	42069	41758	1.05	cps
Nickel	60-2	82127	82814	82375	82438	0.42	cps
Phosphorus	31-2	17223	16789	16662	16892	1.74	cps
Potassium	39-2	3366881	3324311	3335716	3342303	0.66	cps
Rhodium	103-1	4264014	4283822	4311561	4286466	0.56	cps
Rhodium	103-2	2813464	2844939	2806744	2821716	0.72	cps
Scandium	45-1	2585723	2565249	2566720	2572564	0.44	cps
Scandium	45-2	297300	297461	297552	297438	0.04	cps
Selenium	82-1	355	360	379	364	3.48	cps
Selenium	77-2	190	130	170	163	18.70	cps
Selenium	78-2	440	457	470	456	3.30	cps
Silicon	28-1	7502183	7746545	7786768	7678499	2.01	cps
Silver	107-1	3557	3547	3527	3544	0.43	cps
Silver	109-1	3681	3424	3360	3488	4.86	cps
Sodium	23-2	141271	140414	142061	141249	0.58	cps
Strontium	86-1	160401	161788	165650	162613	1.67	cps
Strontium	88-1	1424303	1393103	1393741	1403715	1.27	cps
Sulfur	34-1	98988	99015	99686	99229	0.40	cps
Terbium	159-1	5938714	6165033	5966016	6023255	2.05	cps
Terbium	159-2	3859293	3776918	3857415	3831209	1.23	cps
Thallium	203-1	1620	1670	1653	1648	1.54	cps
Thallium	205-1	4017	3734	3767	3839	4.03	cps
Tin	118-1	9026	8950	9130	9035	1.00	cps
Titanium	47-1	677501	690889	695225	687872	1.34	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-05	Instrumnet Name :	P7
Client Sample ID :	MYE474	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:50:45	DataFile Name :	083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14221	14605	14395	14407	1.33	cps
Vanadium	51-2	393441	391263	393183	392629	0.30	cps
Yttrium	89-1	8085287	8152630	7951904	8063273	1.27	cps
Yttrium	89-2	2408930	2390053	2411962	2403648	0.49	cps
Zinc	66-2	116174	116043	115291	115836	0.41	cps
Zirconium	90-1	106644	107292	110626	108187	1.98	cps
Zirconium	91-1	24454	24644	24724	24607	0.56	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-06	Instrumnet Name :	P7
Client Sample ID :	MYE475	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:53:57	DataFile Name :	084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6346614	6307531	6364113	6339419	0.46	cps
Antimony	121-1	6308	6548	6542	6466	2.11	cps
Arsenic	75-2	28110	27559	28391	28020	1.51	cps
Barium	135-1	621537	637121	634774	631144	1.33	cps
Barium	137-1	1058527	1075283	1089740	1074517	1.45	cps
Beryllium	9-1	933	853	963	917	6.20	cps
Bismuth	209-1	3778731	3701539	3483866	3654712	4.18	cps
Bismuth	209-2	2692532	2658268	2735945	2695582	1.44	cps
Bromine	81-1	7916	7932	7949	7932	0.21	cps
Bromine	81-2	740	760	830	777	6.08	cps
Cadmium	108-1	120	123	160	134	16.51	cps
Cadmium	106-1	1257	1273	1113	1215	7.24	cps
Cadmium	111-1	2089	2108	1877	2025	6.33	cps
Calcium	43-1	240324	239000	239662	239662	0.28	cps
Calcium	44-1	3780578	3892235	3710904	3794573	2.41	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	246934	242659	245874	245156	0.91	cps
Cobalt	59-2	167339	168721	167949	168003	0.41	cps
Copper	63-2	502238	498489	502836	501188	0.47	cps
Dysprosium	156-1	36958	37811	38934	37901	2.61	cps
Dysprosium	156-2	32257	32835	32932	32675	1.12	cps
Erbium	164-1	32832	33116	32097	32682	1.61	cps
Erbium	164-2	21577	21213	21263	21351	0.92	cps
Gadolinium	160-1	36521	36808	36855	36728	0.49	cps
Gadolinium	160-2	26448	26766	26769	26661	0.69	cps
Holmium	165-1	5753538	5716670	5898092	5789433	1.66	cps
Holmium	165-2	3876575	3836734	3895562	3869624	0.78	cps
Indium	115-1	4464062	4521103	4610434	4531866	1.63	cps
Indium	115-2	1691262	1701596	1722170	1705009	0.92	cps
Iron	56-2	184071751	181630497	182022884	182575044	0.72	cps
Iron	57-2	4528283	4516676	4539585	4528181	0.25	cps
Iron	54-2	10129211	10166757	10131645	10142537	0.21	cps
Krypton	83-1	233	203	243	227	9.18	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-06	Instrumnet Name :	P7
Client Sample ID :	MYE475	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:53:57	DataFile Name :	084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	157407	160553	161258	159739	1.28	cps
Lead	207-1	130510	132684	134502	132565	1.51	cps
Lead	208-1	610264	612025	615661	612650	0.45	cps
Lithium	6-1	547881	567810	528706	548132	3.57	cps
Magnesium	24-2	4397301	4372928	4416001	4395410	0.49	cps
Manganese	55-2	4906240	4908763	4893239	4902747	0.17	cps
Molybdenum	94-1	33405	33492	33194	33364	0.46	cps
Molybdenum	95-1	5118	5491	5461	5357	3.87	cps
Molybdenum	96-1	11655	12128	12105	11963	2.23	cps
Molybdenum	97-1	3250	2970	3220	3147	4.89	cps
Molybdenum	98-1	8066	8443	8312	8274	2.31	cps
Neodymium	150-1	71276	71604	71708	71529	0.32	cps
Neodymium	150-2	43323	41922	42671	42639	1.64	cps
Nickel	60-2	78638	77050	78795	78161	1.24	cps
Phosphorus	31-2	16789	17287	16749	16942	1.77	cps
Potassium	39-2	3552721	3448376	3535323	3512140	1.59	cps
Rhodium	103-1	4268786	4177078	4238223	4228029	1.10	cps
Rhodium	103-2	2814007	2816902	2856115	2829008	0.83	cps
Scandium	45-1	2612182	2640714	2597257	2616717	0.84	cps
Scandium	45-2	299638	295410	296853	297301	0.72	cps
Selenium	82-1	288	334	323	315	7.67	cps
Selenium	77-2	127	187	133	149	22.09	cps
Selenium	78-2	463	377	373	404	12.62	cps
Silicon	28-1	11738386	11826617	12277679	11947561	2.42	cps
Silver	107-1	2350	2704	2557	2537	7.00	cps
Silver	109-1	2330	2407	2240	2326	3.59	cps
Sodium	23-2	133230	130823	132461	132171	0.93	cps
Strontium	86-1	150161	149777	153303	151080	1.28	cps
Strontium	88-1	1315579	1316702	1311361	1314548	0.21	cps
Sulfur	34-1	100967	97965	97934	98955	1.76	cps
Terbium	159-1	5975855	5872901	5774697	5874485	1.71	cps
Terbium	159-2	3864626	3858861	3866879	3863455	0.11	cps
Thallium	203-1	1623	1480	1723	1609	7.60	cps
Thallium	205-1	3831	3874	3874	3859	0.65	cps
Tin	118-1	8139	8543	8216	8299	2.58	cps
Titanium	47-1	686905	696625	711799	698443	1.80	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-06	Instrumnet Name :	P7
Client Sample ID :	MYE475	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:53:57	DataFile Name :	084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14785	14838	15032	14885	0.87	cps
Vanadium	51-2	347391	346835	347952	347393	0.16	cps
Yttrium	89-1	8443768	8323557	7892499	8219941	3.53	cps
Yttrium	89-2	2447109	2370001	2412696	2409936	1.60	cps
Zinc	66-2	98814	98972	98747	98845	0.12	cps
Zirconium	90-1	80161	83180	83110	82150	2.10	cps
Zirconium	91-1	18028	18372	18735	18378	1.93	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV038	Instrumnet Name :	P7
Client Sample ID :	CCV038	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:57:07	DataFile Name :	085CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6689679	6578161	6585597	6617812	0.94	cps
Antimony	121-1	2763841	2884795	2854010	2834215	2.22	cps
Arsenic	75-2	189867	188845	190324	189679	0.40	cps
Barium	135-1	3446028	3561092	3601387	3536169	2.28	cps
Barium	137-1	6033874	6258991	6183872	6158912	1.86	cps
Beryllium	9-1	286338	295722	295342	292467	1.82	cps
Bismuth	209-1	3630008	3634400	3591818	3618742	0.65	cps
Bismuth	209-2	2625413	2640439	2667192	2644348	0.80	cps
Bromine	81-1	5304	5264	5481	5350	2.16	cps
Bromine	81-2	70	73	97	80	18.17	cps
Cadmium	108-1	45464	46742	47528	46578	2.24	cps
Cadmium	106-1	65021	67479	67861	66787	2.31	cps
Cadmium	111-1	639864	657723	654309	650632	1.46	cps
Calcium	43-1	3227264	3345351	3311135	3294583	1.84	cps
Calcium	44-1	52671621	53535503	53966169	53391098	1.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1326543	1307160	1302633	1312112	0.97	cps
Cobalt	59-2	2121985	2080828	2059449	2087421	1.52	cps
Copper	63-2	14712390	14678030	14536686	14642369	0.64	cps
Dysprosium	156-1	257	270	213	247	12.01	cps
Dysprosium	156-2	267	270	270	269	0.72	cps
Erbium	164-1	163	163	227	184	19.82	cps
Erbium	164-2	143	113	137	131	12.01	cps
Gadolinium	160-1	147	130	137	138	6.09	cps
Gadolinium	160-2	203	260	193	219	16.43	cps
Holmium	165-1	6038929	5988108	5974840	6000626	0.56	cps
Holmium	165-2	3976504	4054071	3998826	4009800	1.00	cps
Indium	115-1	4646006	4637473	4527490	4603656	1.44	cps
Indium	115-2	1660302	1671726	1681059	1671029	0.62	cps
Iron	56-2	279985282	275689716	275858849	277177949	0.88	cps
Iron	57-2	7053471	6985204	6923117	6987264	0.93	cps
Iron	54-2	15514902	15330809	15250013	15365241	0.88	cps
Krypton	83-1	197	137	180	171	18.10	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV038	Instrumnet Name :	P7
Client Sample ID :	CCV038	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:57:07	DataFile Name :	085CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9937733	10270808	10163063	10123868	1.68	cps
Lead	207-1	8628964	8955223	8996653	8860280	2.27	cps
Lead	208-1	39683282	40773348	40895702	40450777	1.65	cps
Lithium	6-1	557383	575985	576542	569970	1.91	cps
Magnesium	24-2	58125474	57791107	57724292	57880291	0.37	cps
Manganese	55-2	9502677	9339239	9359499	9400472	0.95	cps
Molybdenum	94-1	10214286	10436080	10566721	10405696	1.71	cps
Molybdenum	95-1	14899821	15305129	15225343	15143431	1.42	cps
Molybdenum	96-1	16180869	16667485	16614754	16487703	1.62	cps
Molybdenum	97-1	9173126	9395410	9394458	9320998	1.37	cps
Molybdenum	98-1	23902612	24390882	24484737	24259410	1.29	cps
Neodymium	150-1	137	200	187	174	19.14	cps
Neodymium	150-2	47	107	60	71	44.30	cps
Nickel	60-2	506765	503099	500886	503583	0.59	cps
Phosphorus	31-2	78456	78932	77847	78412	0.69	cps
Potassium	39-2	38089248	37619781	37631670	37780233	0.71	cps
Rhodium	103-1	4312035	4203764	4208238	4241346	1.44	cps
Rhodium	103-2	2773145	2825026	2770180	2789450	1.11	cps
Scandium	45-1	2601979	2511225	2556616	2556607	1.77	cps
Scandium	45-2	293098	294555	291412	293022	0.54	cps
Selenium	82-1	39882	40914	41179	40658	1.69	cps
Selenium	77-2	4804	4747	4581	4711	2.47	cps
Selenium	78-2	16202	16045	16336	16195	0.90	cps
Silicon	28-1	17474318	17704323	17758398	17645680	0.85	cps
Silver	107-1	3420380	3422333	3462057	3434924	0.68	cps
Silver	109-1	3210142	3300362	3250965	3253823	1.39	cps
Sodium	23-2	96445225	96437199	95354052	96078825	0.65	cps
Strontium	86-1	21194944	21847038	21481008	21507663	1.52	cps
Strontium	88-1	187207291	190488530	189100364	188932062	0.87	cps
Sulfur	34-1	279501	283965	285119	282861	1.05	cps
Terbium	159-1	6161541	6176750	6101492	6146594	0.65	cps
Terbium	159-2	3988554	3955938	3967561	3970685	0.42	cps
Thallium	203-1	2519411	2576076	2578433	2557973	1.31	cps
Thallium	205-1	5808558	6039462	5973390	5940470	2.00	cps
Tin	118-1	2187242	2233802	2215457	2212167	1.06	cps
Titanium	47-1	3436094	3592140	3556267	3528167	2.32	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV038	Instrumnet Name :	P7
Client Sample ID :	CCV038	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:57:07	DataFile Name :	085CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7905182	8218583	8256207	8126657	2.37	cps
Vanadium	51-2	1202206	1200920	1192614	1198580	0.43	cps
Yttrium	89-1	8155304	7971107	7936026	8020812	1.47	cps
Yttrium	89-2	2329083	2303342	2310238	2314221	0.58	cps
Zinc	66-2	2482004	2451174	2453772	2462317	0.69	cps
Zirconium	90-1	4654579	4736638	4792726	4727981	1.47	cps
Zirconium	91-1	1003575	1029683	1038602	1023954	1.78	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB038	Instrumnet Name :	P7
Client Sample ID :	CCB038	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:59:56	DataFile Name :	086CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	503	497	473	491	3.21	cps
Antimony	121-1	1960	1733	1763	1819	6.77	cps
Arsenic	75-2	17	20	30	22	31.22	cps
Barium	135-1	800	207	143	383	94.52	cps
Barium	137-1	1792	307	330	810	105.10	cps
Beryllium	9-1	30	23	57	37	48.11	cps
Bismuth	209-1	3949410	3762248	3679457	3797038	3.64	cps
Bismuth	209-2	2784021	2796425	2706830	2762425	1.76	cps
Bromine	81-1	5238	5381	5238	5285	1.57	cps
Bromine	81-2	57	80	50	62	25.32	cps
Cadmium	108-1	10	0	13	8	89.21	cps
Cadmium	106-1	1087	1143	1163	1131	3.52	cps
Cadmium	111-1	807	860	855	841	3.49	cps
Calcium	43-1	357	293	243	298	19.07	cps
Calcium	44-1	12072	11351	10944	11456	4.98	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	663	687	627	659	4.59	cps
Cobalt	59-2	127	140	177	148	17.52	cps
Copper	63-2	1347	1273	1527	1382	9.43	cps
Dysprosium	156-1	123	83	100	102	19.66	cps
Dysprosium	156-2	33	27	27	29	13.31	cps
Erbium	164-1	83	53	47	61	31.96	cps
Erbium	164-2	20	17	30	22	31.22	cps
Gadolinium	160-1	40	30	20	30	33.33	cps
Gadolinium	160-2	187	190	147	174	13.82	cps
Holmium	165-1	6208095	5961096	5828207	5999132	3.21	cps
Holmium	165-2	3904960	3981155	3703293	3863136	3.72	cps
Indium	115-1	4919504	4841803	4751827	4837711	1.73	cps
Indium	115-2	1743971	1737159	1708550	1729893	1.09	cps
Iron	56-2	21659	20674	20524	20953	2.94	cps
Iron	57-2	2930	3020	2774	2908	4.29	cps
Iron	54-2	1887	1897	1857	1880	1.11	cps
Krypton	83-1	160	183	207	183	12.73	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB038	Instrumnet Name :	P7
Client Sample ID :	CCB038	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:59:56	DataFile Name :	086CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1490	883	853	1076	33.41	cps
Lead	207-1	1123	797	687	869	26.14	cps
Lead	208-1	5001	3607	3247	3952	23.44	cps
Lithium	6-1	577216	564900	559694	567270	1.59	cps
Magnesium	24-2	2567	2427	2590	2528	3.50	cps
Manganese	55-2	707	597	603	636	9.70	cps
Molybdenum	94-1	960	930	790	893	10.16	cps
Molybdenum	95-1	1077	897	913	962	10.34	cps
Molybdenum	96-1	1140	1180	1177	1166	1.90	cps
Molybdenum	97-1	757	560	637	651	15.22	cps
Molybdenum	98-1	1853	1620	1603	1692	8.26	cps
Neodymium	150-1	70	17	0	29	126.57	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	110	100	87	99	11.84	cps
Phosphorus	31-2	140	87	107	111	24.25	cps
Potassium	39-2	82391	82475	80987	81951	1.02	cps
Rhodium	103-1	4580929	4478502	4408427	4489286	1.93	cps
Rhodium	103-2	2930348	2956087	2832465	2906300	2.24	cps
Scandium	45-1	2654672	2622089	2576222	2617661	1.51	cps
Scandium	45-2	291116	287459	277377	285317	2.49	cps
Selenium	82-1	301	264	239	268	11.56	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	330	417	313	353	15.70	cps
Silicon	28-1	182725	178080	177561	179455	1.58	cps
Silver	107-1	954	363	277	531	69.37	cps
Silver	109-1	440	300	240	327	31.42	cps
Sodium	23-2	44484	43324	43281	43696	1.56	cps
Strontium	86-1	1290	1110	960	1120	14.75	cps
Strontium	88-1	9624	7442	6768	7945	18.79	cps
Sulfur	34-1	121894	125635	124099	123876	1.52	cps
Terbium	159-1	6273940	6076744	6000265	6116983	2.31	cps
Terbium	159-2	3992215	3927341	3776186	3898581	2.84	cps
Thallium	203-1	630	487	477	531	16.15	cps
Thallium	205-1	1433	980	940	1118	24.52	cps
Tin	118-1	1397	1357	1327	1360	2.58	cps
Titanium	47-1	317	203	233	251	23.39	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB038	Instrumnet Name :	P7
Client Sample ID :	CCB038	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 16:59:56	DataFile Name :	086CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	543	317	277	379	37.96	cps
Vanadium	51-2	43	47	43	44	4.34	cps
Yttrium	89-1	8232771	7972933	7778988	7994898	2.85	cps
Yttrium	89-2	2314639	2327648	2206035	2282774	2.93	cps
Zinc	66-2	367	420	407	398	6.98	cps
Zirconium	90-1	663	617	557	612	8.73	cps
Zirconium	91-1	123	163	97	128	26.26	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-07	Instrumnet Name :	P7
Client Sample ID :	MYE476	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:03:12	DataFile Name :	087SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8457513	8524704	8478063	8486760	0.41	cps
Antimony	121-1	10177	9994	10214	10128	1.16	cps
Arsenic	75-2	37671	36919	36665	37085	1.41	cps
Barium	135-1	783379	792472	789948	788600	0.60	cps
Barium	137-1	1352632	1363485	1379007	1365041	0.97	cps
Beryllium	9-1	1190	1163	1053	1136	6.38	cps
Bismuth	209-1	3611735	3566386	3575439	3584520	0.67	cps
Bismuth	209-2	2744104	2652177	2647807	2681363	2.03	cps
Bromine	81-1	7916	8596	8759	8424	5.31	cps
Bromine	81-2	897	827	883	869	4.28	cps
Cadmium	108-1	213	220	277	237	14.70	cps
Cadmium	106-1	1550	1380	1560	1497	6.76	cps
Cadmium	111-1	2686	2572	2572	2610	2.52	cps
Calcium	43-1	325414	336579	335480	332491	1.85	cps
Calcium	44-1	5163919	5255314	5285937	5235057	1.21	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	325806	320650	323549	323335	0.80	cps
Cobalt	59-2	219131	217386	215617	217378	0.81	cps
Copper	63-2	758778	751188	752794	754253	0.53	cps
Dysprosium	156-1	49574	49965	50788	50109	1.24	cps
Dysprosium	156-2	43460	42838	43922	43407	1.25	cps
Erbium	164-1	41739	42297	42036	42024	0.66	cps
Erbium	164-2	27981	27170	27557	27569	1.47	cps
Gadolinium	160-1	48066	49520	48972	48853	1.50	cps
Gadolinium	160-2	34679	34813	34292	34595	0.78	cps
Holmium	165-1	5762306	5768101	5736819	5755742	0.29	cps
Holmium	165-2	3981002	3904064	3937882	3940983	0.98	cps
Indium	115-1	4611352	4646491	4550338	4602727	1.06	cps
Indium	115-2	1757455	1720599	1722884	1733646	1.19	cps
Iron	56-2	253779210	248725243	250768483	251090978	1.01	cps
Iron	57-2	6333755	6158901	6189124	6227260	1.50	cps
Iron	54-2	14036868	13739803	13891903	13889525	1.07	cps
Krypton	83-1	180	257	223	220	17.47	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-07	Instrumnet Name :	P7
Client Sample ID :	MYE476	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:03:12	DataFile Name :	087SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	216643	219627	217060	217777	0.74	cps
Lead	207-1	183969	189584	186206	186586	1.51	cps
Lead	208-1	842358	857101	851133	850197	0.87	cps
Lithium	6-1	550128	531209	524942	535426	2.45	cps
Magnesium	24-2	6037603	5966304	5903165	5969024	1.13	cps
Manganese	55-2	5957608	5835340	5857812	5883587	1.11	cps
Molybdenum	94-1	43835	45320	44875	44677	1.71	cps
Molybdenum	95-1	5604	5741	5768	5705	1.54	cps
Molybdenum	96-1	14737	14971	15268	14992	1.77	cps
Molybdenum	97-1	3500	3457	3757	3572	4.54	cps
Molybdenum	98-1	8679	8686	8769	8712	0.58	cps
Neodymium	150-1	93387	97259	94742	95129	2.07	cps
Neodymium	150-2	57145	56095	55556	56265	1.44	cps
Nickel	60-2	101028	101517	99703	100749	0.93	cps
Phosphorus	31-2	24286	23705	24046	24012	1.22	cps
Potassium	39-2	4781299	4656924	4703178	4713800	1.33	cps
Rhodium	103-1	4259329	4271944	4328387	4286553	0.86	cps
Rhodium	103-2	2874590	2830254	2833465	2846103	0.87	cps
Scandium	45-1	2725022	2768788	2715100	2736304	1.04	cps
Scandium	45-2	314673	313849	312993	313838	0.27	cps
Selenium	82-1	416	356	408	393	8.33	cps
Selenium	77-2	203	220	213	212	3.95	cps
Selenium	78-2	523	503	470	499	5.40	cps
Silicon	28-1	9725347	9814005	9819684	9786346	0.54	cps
Silver	107-1	3777	3744	3701	3741	1.03	cps
Silver	109-1	3520	3410	3470	3467	1.59	cps
Sodium	23-2	180441	180117	178620	179726	0.54	cps
Strontium	86-1	207555	211359	213413	210776	1.41	cps
Strontium	88-1	1886548	1937213	1952118	1925293	1.79	cps
Sulfur	34-1	121256	115949	110462	115889	4.66	cps
Terbium	159-1	5957548	5895377	5909122	5920682	0.55	cps
Terbium	159-2	3878089	3911437	3842525	3877350	0.89	cps
Thallium	203-1	2354	2357	2427	2379	1.74	cps
Thallium	205-1	5555	5731	5548	5611	1.85	cps
Tin	118-1	9130	9406	9717	9418	3.12	cps
Titanium	47-1	846581	873029	874668	864759	1.82	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-07	Instrumnet Name :	P7
Client Sample ID :	MYE476	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:03:12	DataFile Name :	087SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18259	18760	18276	18432	1.54	cps
Vanadium	51-2	476712	475460	471809	474661	0.54	cps
Yttrium	89-1	8469818	8494842	8461227	8475296	0.21	cps
Yttrium	89-2	2477007	2507737	2505030	2496592	0.68	cps
Zinc	66-2	139632	137241	136962	137945	1.06	cps
Zirconium	90-1	112287	114368	115243	113966	1.33	cps
Zirconium	91-1	25041	25756	25412	25403	1.41	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-08	Instrumnet Name :	P7
Client Sample ID :	MYE477	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:06:23	DataFile Name :	088SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6597472	6625729	6594571	6605924	0.26	cps
Antimony	121-1	13206	13143	13923	13424	3.23	cps
Arsenic	75-2	44182	43898	43119	43733	1.26	cps
Barium	135-1	650564	657294	662194	656684	0.89	cps
Barium	137-1	1126754	1137394	1133669	1132606	0.48	cps
Beryllium	9-1	923	963	990	959	3.50	cps
Bismuth	209-1	3639394	3574211	3512837	3575481	1.77	cps
Bismuth	209-2	2626058	2725186	2651479	2667574	1.93	cps
Bromine	81-1	6938	7025	7138	7034	1.43	cps
Bromine	81-2	607	507	543	552	9.16	cps
Cadmium	108-1	283	323	350	319	10.52	cps
Cadmium	106-1	1693	1763	1537	1665	6.97	cps
Cadmium	111-1	4434	4509	4475	4472	0.83	cps
Calcium	43-1	391722	400368	402370	398153	1.42	cps
Calcium	44-1	6202617	6246329	6345288	6264745	1.17	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	268851	270767	267922	269180	0.54	cps
Cobalt	59-2	180914	184028	180549	181830	1.05	cps
Copper	63-2	1227226	1228763	1222493	1226160	0.27	cps
Dysprosium	156-1	40034	40669	41518	40740	1.83	cps
Dysprosium	156-2	35000	35919	35207	35376	1.36	cps
Erbium	164-1	33316	33303	34138	33586	1.42	cps
Erbium	164-2	22108	22181	22365	22218	0.60	cps
Gadolinium	160-1	39198	39305	39161	39221	0.19	cps
Gadolinium	160-2	28820	28021	27664	28168	2.10	cps
Holmium	165-1	5709521	5818313	5598041	5708625	1.93	cps
Holmium	165-2	3854729	3901548	3928026	3894768	0.95	cps
Indium	115-1	4580228	4605995	4521896	4569373	0.94	cps
Indium	115-2	1765674	1695622	1697628	1719641	2.32	cps
Iron	56-2	208988264	208323184	208128910	208480119	0.22	cps
Iron	57-2	5159078	5166607	5182739	5169475	0.23	cps
Iron	54-2	11570795	11480992	11561424	11537737	0.43	cps
Krypton	83-1	160	217	260	212	23.63	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-08	Instrumnet Name :	P7
Client Sample ID :	MYE477	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:06:23	DataFile Name :	088SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	358500	361399	366914	362271	1.18	cps
Lead	207-1	310894	317088	316940	314974	1.12	cps
Lead	208-1	1416423	1435480	1440081	1430661	0.88	cps
Lithium	6-1	530863	536566	527963	531798	0.82	cps
Magnesium	24-2	4875359	4910495	4892458	4892771	0.36	cps
Manganese	55-2	4689423	4640051	4638921	4656132	0.62	cps
Molybdenum	94-1	53397	55131	55033	54520	1.79	cps
Molybdenum	95-1	4167	4371	4404	4314	2.97	cps
Molybdenum	96-1	14641	14824	14921	14795	0.96	cps
Molybdenum	97-1	2614	2517	2740	2624	4.27	cps
Molybdenum	98-1	6718	6465	6825	6669	2.77	cps
Neodymium	150-1	76717	77994	78818	77843	1.36	cps
Neodymium	150-2	46503	45677	45844	46008	0.95	cps
Nickel	60-2	93432	92369	91487	92429	1.05	cps
Phosphorus	31-2	21866	22156	22256	22093	0.92	cps
Potassium	39-2	4291452	4428757	4372245	4364151	1.58	cps
Rhodium	103-1	4300385	4323930	4238977	4287764	1.02	cps
Rhodium	103-2	2867467	2839290	2829973	2845577	0.69	cps
Scandium	45-1	2721617	2685166	2632866	2679883	1.66	cps
Scandium	45-2	303998	307283	305177	305486	0.54	cps
Selenium	82-1	462	364	317	381	19.53	cps
Selenium	77-2	147	120	173	147	18.18	cps
Selenium	78-2	433	477	427	446	6.09	cps
Silicon	28-1	11064013	11233037	11095810	11130953	0.81	cps
Silver	107-1	7272	7469	7475	7405	1.56	cps
Silver	109-1	6845	7552	7355	7251	5.03	cps
Sodium	23-2	145308	147391	144676	145792	0.97	cps
Strontium	86-1	175626	177103	179333	177354	1.05	cps
Strontium	88-1	1596353	1609881	1629062	1611766	1.02	cps
Sulfur	34-1	105067	103786	104786	104546	0.64	cps
Terbium	159-1	5945399	5850537	5727642	5841193	1.87	cps
Terbium	159-2	3912526	3835615	3858166	3868769	1.02	cps
Thallium	203-1	2107	2047	2067	2074	1.47	cps
Thallium	205-1	4841	4891	4868	4866	0.51	cps
Tin	118-1	10931	11114	10951	10999	0.92	cps
Titanium	47-1	772001	778552	784634	778396	0.81	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-08	Instrumnet Name :	P7
Client Sample ID :	MYE477	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:06:23	DataFile Name :	088SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14528	14491	14208	14409	1.22	cps
Vanadium	51-2	409200	412015	406658	409291	0.65	cps
Yttrium	89-1	8265733	8254110	8069245	8196363	1.34	cps
Yttrium	89-2	2460542	2412028	2430661	2434410	1.01	cps
Zinc	66-2	162383	161790	163015	162396	0.38	cps
Zirconium	90-1	139951	140566	143743	141420	1.44	cps
Zirconium	91-1	31227	32022	31982	31743	1.41	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-09	Instrumnet Name :	P7
Client Sample ID :	MYE478	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:09:32	DataFile Name :	089SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6981771	6883912	6911326	6925670	0.73	cps
Antimony	121-1	12903	12966	13043	12970	0.54	cps
Arsenic	75-2	48954	47840	46717	47837	2.34	cps
Barium	135-1	735566	739681	743599	739615	0.54	cps
Barium	137-1	1267738	1278870	1279167	1275259	0.51	cps
Beryllium	9-1	950	977	1003	977	2.73	cps
Bismuth	209-1	3600351	3523159	3575502	3566337	1.10	cps
Bismuth	209-2	2670887	2650322	2608826	2643345	1.20	cps
Bromine	81-1	6702	6698	6738	6713	0.33	cps
Bromine	81-2	530	397	473	467	14.34	cps
Cadmium	108-1	340	373	333	349	6.14	cps
Cadmium	106-1	1847	1657	1553	1686	8.83	cps
Cadmium	111-1	4415	4459	4381	4418	0.88	cps
Calcium	43-1	596887	606482	612831	605400	1.33	cps
Calcium	44-1	9333123	9524909	9561705	9473246	1.30	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	276928	276701	273147	275592	0.77	cps
Cobalt	59-2	205220	205123	202029	204124	0.89	cps
Copper	63-2	1266036	1255623	1251064	1257574	0.61	cps
Dysprosium	156-1	43313	44079	45025	44139	1.94	cps
Dysprosium	156-2	38630	38944	38516	38696	0.57	cps
Erbium	164-1	35141	35933	35158	35410	1.28	cps
Erbium	164-2	24108	23083	23473	23554	2.20	cps
Gadolinium	160-1	41247	41160	42718	41709	2.10	cps
Gadolinium	160-2	30169	29962	30149	30094	0.38	cps
Holmium	165-1	5665466	5824223	5717413	5735701	1.41	cps
Holmium	165-2	3942953	3861039	3885516	3896503	1.08	cps
Indium	115-1	4583204	4620338	4595798	4599780	0.41	cps
Indium	115-2	1741643	1711899	1696244	1716595	1.34	cps
Iron	56-2	222272303	222058030	216203203	220177846	1.56	cps
Iron	57-2	5478884	5446284	5413730	5446299	0.60	cps
Iron	54-2	12192520	12185263	12002464	12126749	0.89	cps
Krypton	83-1	177	203	277	219	23.66	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-09	Instrumnet Name :	P7
Client Sample ID :	MYE478	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:09:32	DataFile Name :	089SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	376901	385709	381920	381510	1.16	cps
Lead	207-1	327935	330621	332430	330329	0.68	cps
Lead	208-1	1487280	1510440	1512714	1503478	0.94	cps
Lithium	6-1	533909	537186	525815	532303	1.10	cps
Magnesium	24-2	5462376	5394955	5363958	5407097	0.93	cps
Manganese	55-2	5642357	5633504	5486055	5587305	1.57	cps
Molybdenum	94-1	57539	58677	58700	58306	1.14	cps
Molybdenum	95-1	4141	4127	4341	4203	2.84	cps
Molybdenum	96-1	15225	15485	16116	15608	2.94	cps
Molybdenum	97-1	2647	2597	2630	2625	0.97	cps
Molybdenum	98-1	6638	6475	6545	6553	1.25	cps
Neodymium	150-1	82774	84062	85239	84025	1.47	cps
Neodymium	150-2	49650	49871	49179	49567	0.71	cps
Nickel	60-2	104022	104317	103427	103922	0.44	cps
Phosphorus	31-2	24203	24009	23625	23945	1.23	cps
Potassium	39-2	4426625	4413222	4385391	4408413	0.48	cps
Rhodium	103-1	4261189	4321527	4256048	4279588	0.85	cps
Rhodium	103-2	2895188	2847975	2822060	2855074	1.30	cps
Scandium	45-1	2704492	2662730	2672288	2679836	0.82	cps
Scandium	45-2	311176	307120	303674	307323	1.22	cps
Selenium	82-1	396	430	381	403	6.19	cps
Selenium	77-2	157	160	180	166	7.62	cps
Selenium	78-2	520	467	527	504	6.52	cps
Silicon	28-1	12304423	12235696	12600726	12380282	1.57	cps
Silver	107-1	6575	7012	6718	6768	3.29	cps
Silver	109-1	6378	6348	6251	6326	1.05	cps
Sodium	23-2	195755	194676	194108	194846	0.43	cps
Strontium	86-1	188738	192770	195371	192293	1.74	cps
Strontium	88-1	1756985	1733420	1776619	1755674	1.23	cps
Sulfur	34-1	107363	108958	109928	108750	1.19	cps
Terbium	159-1	5827855	5915224	5881782	5874954	0.75	cps
Terbium	159-2	3957102	3916150	3878295	3917183	1.01	cps
Thallium	203-1	2174	2307	2200	2227	3.17	cps
Thallium	205-1	4934	5218	4938	5030	3.23	cps
Tin	118-1	10851	10924	11131	10969	1.32	cps
Titanium	47-1	791368	804500	804785	800218	0.96	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-09	Instrumnet Name :	P7
Client Sample ID :	MYE478	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:09:32	DataFile Name :	089SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15262	15823	15693	15593	1.88	cps
Vanadium	51-2	427181	427641	425385	426735	0.28	cps
Yttrium	89-1	8316710	8256017	8262685	8278471	0.40	cps
Yttrium	89-2	2516882	2464797	2421385	2467688	1.94	cps
Zinc	66-2	171483	169669	169528	170227	0.64	cps
Zirconium	90-1	150767	153616	153901	152761	1.13	cps
Zirconium	91-1	32870	33455	34267	33531	2.09	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-10	Instrumnet Name :	P7
Client Sample ID :	MYE479	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:12:42	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5870543	5844873	5812625	5842680	0.50	cps
Antimony	121-1	8876	8940	9063	8960	1.06	cps
Arsenic	75-2	30511	31133	31109	30918	1.14	cps
Barium	135-1	705308	718150	723657	715705	1.32	cps
Barium	137-1	1224010	1241631	1249750	1238464	1.06	cps
Beryllium	9-1	727	697	793	739	6.70	cps
Bismuth	209-1	3510818	3514273	3478705	3501265	0.56	cps
Bismuth	209-2	2639093	2641893	2629826	2636938	0.24	cps
Bromine	81-1	6441	6622	6732	6598	2.22	cps
Bromine	81-2	407	373	537	439	19.66	cps
Cadmium	108-1	130	187	210	176	23.43	cps
Cadmium	106-1	1420	1507	1367	1431	4.94	cps
Cadmium	111-1	1570	1747	1603	1640	5.76	cps
Calcium	43-1	668937	685220	683647	679268	1.32	cps
Calcium	44-1	10676737	10711763	10690704	10693068	0.16	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	239083	237277	236335	237565	0.59	cps
Cobalt	59-2	168562	167436	166544	167514	0.60	cps
Copper	63-2	373055	369653	364876	369195	1.11	cps
Dysprosium	156-1	31726	33182	33092	32667	2.50	cps
Dysprosium	156-2	28405	28916	28369	28564	1.07	cps
Erbium	164-1	25951	27340	25964	26418	3.02	cps
Erbium	164-2	17892	17481	17978	17784	1.49	cps
Gadolinium	160-1	30470	31315	31125	30970	1.43	cps
Gadolinium	160-2	22335	22411	22234	22327	0.40	cps
Holmium	165-1	5801538	5695643	5648500	5715227	1.37	cps
Holmium	165-2	3802268	3863308	3808463	3824680	0.88	cps
Indium	115-1	4622676	4563315	4555384	4580458	0.80	cps
Indium	115-2	1686967	1673484	1692794	1684415	0.59	cps
Iron	56-2	192640170	191296677	190922350	191619733	0.47	cps
Iron	57-2	4780375	4810030	4758217	4782874	0.54	cps
Iron	54-2	10747832	10556681	10523805	10609440	1.14	cps
Krypton	83-1	210	240	213	221	7.44	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-10	Instrumnet Name :	P7
Client Sample ID :	MYE479	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:12:42	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	102315	103692	103910	103305	0.84	cps
Lead	207-1	85152	87493	87805	86816	1.67	cps
Lead	208-1	394278	403163	403160	400200	1.28	cps
Lithium	6-1	538389	526418	517926	527578	1.95	cps
Magnesium	24-2	5888252	5883685	5802523	5858153	0.82	cps
Manganese	55-2	3500835	3462530	3482727	3482031	0.55	cps
Molybdenum	94-1	55869	56713	56850	56477	0.94	cps
Molybdenum	95-1	2550	2754	2797	2700	4.88	cps
Molybdenum	96-1	13620	13713	13366	13566	1.32	cps
Molybdenum	97-1	1463	1583	1657	1568	6.23	cps
Molybdenum	98-1	4044	4011	3994	4016	0.63	cps
Neodymium	150-1	62916	64610	66054	64527	2.43	cps
Neodymium	150-2	38646	37393	38382	38140	1.73	cps
Nickel	60-2	93378	91668	91943	92330	0.99	cps
Phosphorus	31-2	17513	17961	17363	17612	1.76	cps
Potassium	39-2	2048143	2020730	2030489	2033121	0.68	cps
Rhodium	103-1	4367073	4249820	4188307	4268400	2.13	cps
Rhodium	103-2	2801744	2778075	2792918	2790912	0.43	cps
Scandium	45-1	2648758	2663108	2634786	2648884	0.53	cps
Scandium	45-2	296048	297440	297414	296967	0.27	cps
Selenium	82-1	307	283	316	302	5.61	cps
Selenium	77-2	157	137	103	132	20.38	cps
Selenium	78-2	463	517	353	444	18.74	cps
Silicon	28-1	11213185	11413272	11364877	11330445	0.92	cps
Silver	107-1	1237	1277	1347	1287	4.33	cps
Silver	109-1	1147	1147	1117	1137	1.52	cps
Sodium	23-2	355354	356475	357731	356520	0.33	cps
Strontium	86-1	315061	321367	320589	319005	1.08	cps
Strontium	88-1	2877667	2947166	2930928	2918587	1.25	cps
Sulfur	34-1	107924	110737	111577	110079	1.74	cps
Terbium	159-1	5918154	5801305	5781044	5833501	1.27	cps
Terbium	159-2	3823316	3856101	3843201	3840873	0.43	cps
Thallium	203-1	1180	1290	1113	1195	7.47	cps
Thallium	205-1	2810	2940	3017	2923	3.58	cps
Tin	118-1	7599	7859	7749	7735	1.69	cps
Titanium	47-1	725327	742608	740522	736152	1.28	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-10	Instrumnet Name :	P7
Client Sample ID :	MYE479	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:12:42	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14601	14391	15322	14772	3.31	cps
Vanadium	51-2	412239	413468	408650	411452	0.61	cps
Yttrium	89-1	8216958	7997663	8023143	8079255	1.48	cps
Yttrium	89-2	2415565	2399736	2380190	2398497	0.74	cps
Zinc	66-2	79048	79664	77346	78686	1.53	cps
Zirconium	90-1	147560	151166	151419	150048	1.44	cps
Zirconium	91-1	32990	33244	34100	33445	1.74	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-11	Instrumnet Name :	P7
Client Sample ID :	MYE480	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:15:50	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6756189	6811247	6731009	6766149	0.61	cps
Antimony	121-1	37613	38926	38655	38398	1.81	cps
Arsenic	75-2	33117	33337	33347	33267	0.39	cps
Barium	135-1	684273	702782	699161	695405	1.41	cps
Barium	137-1	1181433	1194314	1217784	1197844	1.54	cps
Beryllium	9-1	867	923	1027	939	8.64	cps
Bismuth	209-1	3505657	3545012	3485177	3511949	0.87	cps
Bismuth	209-2	2681918	2647808	2667929	2665885	0.64	cps
Bromine	81-1	7872	8142	8022	8012	1.69	cps
Bromine	81-2	850	793	697	780	9.94	cps
Cadmium	108-1	127	143	153	141	9.55	cps
Cadmium	106-1	1303	1350	1273	1309	2.95	cps
Cadmium	111-1	1867	1885	1821	1858	1.78	cps
Calcium	43-1	298579	305017	302773	302123	1.08	cps
Calcium	44-1	4697731	4764204	4742983	4734973	0.72	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	264165	263593	262892	263550	0.24	cps
Cobalt	59-2	179109	179594	179770	179491	0.19	cps
Copper	63-2	504860	502920	501566	503115	0.33	cps
Dysprosium	156-1	39963	40699	39973	40212	1.05	cps
Dysprosium	156-2	34582	34943	35331	34952	1.07	cps
Erbium	164-1	32869	33691	34068	33542	1.83	cps
Erbium	164-2	22862	22909	22832	22868	0.17	cps
Gadolinium	160-1	38994	38780	39348	39041	0.73	cps
Gadolinium	160-2	28005	28232	28472	28236	0.83	cps
Holmium	165-1	5740384	5638893	5581227	5653501	1.43	cps
Holmium	165-2	3894552	3795443	3884639	3858211	1.41	cps
Indium	115-1	4605155	4525866	4534407	4555143	0.96	cps
Indium	115-2	1686828	1699578	1662043	1682817	1.13	cps
Iron	56-2	204099397	205238824	201808464	203715561	0.86	cps
Iron	57-2	5075922	5099782	5011120	5062275	0.91	cps
Iron	54-2	11336697	11316129	11136966	11263264	0.98	cps
Krypton	83-1	213	217	163	198	15.11	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-11	Instrumnet Name :	P7
Client Sample ID :	MYE480	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:15:50	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	175236	178476	177513	177075	0.94	cps
Lead	207-1	148452	151809	153894	151385	1.81	cps
Lead	208-1	682718	696926	695227	691624	1.12	cps
Lithium	6-1	514867	529497	523704	522689	1.41	cps
Magnesium	24-2	4826834	4855697	4799845	4827459	0.58	cps
Manganese	55-2	5497910	5430121	5359468	5429166	1.28	cps
Molybdenum	94-1	41288	42485	42448	42074	1.62	cps
Molybdenum	95-1	5508	5581	5558	5549	0.68	cps
Molybdenum	96-1	13710	14220	14507	14146	2.86	cps
Molybdenum	97-1	3380	3540	3534	3485	2.60	cps
Molybdenum	98-1	8896	8613	8906	8805	1.89	cps
Neodymium	150-1	74683	76486	75923	75697	1.22	cps
Neodymium	150-2	45313	44289	44379	44660	1.27	cps
Nickel	60-2	89843	90390	89569	89934	0.46	cps
Phosphorus	31-2	18722	18675	18655	18684	0.18	cps
Potassium	39-2	3319506	3343693	3344098	3335765	0.42	cps
Rhodium	103-1	4304631	4210677	4235942	4250417	1.14	cps
Rhodium	103-2	2781251	2810604	2796480	2796111	0.53	cps
Scandium	45-1	2628928	2616470	2611383	2618927	0.34	cps
Scandium	45-2	298654	297239	295363	297086	0.56	cps
Selenium	82-1	320	355	361	345	6.44	cps
Selenium	77-2	167	173	130	157	14.90	cps
Selenium	78-2	517	453	430	467	9.61	cps
Silicon	28-1	14445075	14476832	14445501	14455803	0.13	cps
Silver	107-1	2230	2460	2347	2346	4.90	cps
Silver	109-1	2074	2270	2250	2198	4.93	cps
Sodium	23-2	142344	143310	144019	143224	0.59	cps
Strontium	86-1	163127	165119	166672	164973	1.08	cps
Strontium	88-1	1480738	1522315	1526282	1509779	1.67	cps
Sulfur	34-1	102253	99373	97435	99687	2.43	cps
Terbium	159-1	5843778	5800647	5837525	5827317	0.40	cps
Terbium	159-2	3809459	3862185	3801704	3824449	0.86	cps
Thallium	203-1	1830	1883	1980	1898	4.01	cps
Thallium	205-1	4151	4421	4331	4301	3.20	cps
Tin	118-1	7916	8449	8306	8224	3.36	cps
Titanium	47-1	701870	707224	713679	707591	0.84	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-11	Instrumnet Name :	P7
Client Sample ID :	MYE480	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:15:50	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14888	15329	15546	15254	2.20	cps
Vanadium	51-2	395618	394404	392497	394173	0.40	cps
Yttrium	89-1	8230081	8232102	8087308	8183164	1.01	cps
Yttrium	89-2	2415924	2438567	2392889	2415793	0.95	cps
Zinc	66-2	101519	102646	103506	102557	0.97	cps
Zirconium	90-1	104223	106397	107020	105880	1.39	cps
Zirconium	91-1	23031	23489	23469	23330	1.11	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-15	Instrumnet Name :	P7
Client Sample ID :	MYE482	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:19:02	DataFile Name :	092SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3239395	3172340	3203308	3205014	1.05	cps
Antimony	121-1	7219	7575	7592	7462	2.83	cps
Arsenic	75-2	17147	17394	16813	17118	1.70	cps
Barium	135-1	512457	516373	517758	515529	0.53	cps
Barium	137-1	875473	896430	898274	890059	1.42	cps
Beryllium	9-1	517	563	470	517	9.03	cps
Bismuth	209-1	3548071	3527051	3420286	3498469	1.96	cps
Bismuth	209-2	2580357	2610298	2586327	2592328	0.61	cps
Bromine	81-1	7299	6808	6948	7018	3.60	cps
Bromine	81-2	460	500	487	482	4.22	cps
Cadmium	108-1	70	97	90	86	16.22	cps
Cadmium	106-1	1153	1263	1123	1180	6.25	cps
Cadmium	111-1	1405	1557	1430	1464	5.55	cps
Calcium	43-1	416899	430119	425983	424334	1.59	cps
Calcium	44-1	6542991	6713435	6656337	6637588	1.31	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	158449	158203	158536	158396	0.11	cps
Cobalt	59-2	104732	104867	104262	104620	0.30	cps
Copper	63-2	253660	251078	248701	251147	0.99	cps
Dysprosium	156-1	21386	22552	22251	22063	2.74	cps
Dysprosium	156-2	20111	19363	19978	19817	2.01	cps
Erbium	164-1	18322	19637	19083	19014	3.47	cps
Erbium	164-2	12719	12539	12439	12566	1.13	cps
Gadolinium	160-1	20889	21316	22051	21419	2.74	cps
Gadolinium	160-2	15662	14855	15452	15323	2.73	cps
Holmium	165-1	5666820	5683710	5639560	5663363	0.39	cps
Holmium	165-2	3766124	3731925	3775999	3758016	0.62	cps
Indium	115-1	4572325	4512482	4494759	4526522	0.90	cps
Indium	115-2	1688777	1677831	1678740	1681783	0.36	cps
Iron	56-2	133453698	133947031	133382105	133594278	0.23	cps
Iron	57-2	3327570	3296749	3281890	3302070	0.71	cps
Iron	54-2	7462661	7329334	7299486	7363827	1.18	cps
Krypton	83-1	200	217	243	220	9.94	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-15	Instrumnet Name :	P7
Client Sample ID :	MYE482	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:19:02	DataFile Name :	092SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	102550	105459	104088	104032	1.40	cps
Lead	207-1	87553	88140	87855	87850	0.33	cps
Lead	208-1	401150	405412	404584	403715	0.56	cps
Lithium	6-1	519330	521171	500738	513746	2.20	cps
Magnesium	24-2	2885034	2908444	2895523	2896334	0.40	cps
Manganese	55-2	5300362	5261298	5276001	5279220	0.37	cps
Molybdenum	94-1	28391	29700	29213	29101	2.27	cps
Molybdenum	95-1	3204	3080	3280	3188	3.17	cps
Molybdenum	96-1	8899	9250	9130	9093	1.96	cps
Molybdenum	97-1	1677	2047	2047	1923	11.11	cps
Molybdenum	98-1	4958	4884	5311	5051	4.52	cps
Neodymium	150-1	43968	44126	45373	44489	1.73	cps
Neodymium	150-2	26048	25837	25957	25947	0.41	cps
Nickel	60-2	81346	80317	81168	80944	0.68	cps
Phosphorus	31-2	14103	14200	14050	14118	0.54	cps
Potassium	39-2	1683291	1651709	1640020	1658340	1.35	cps
Rhodium	103-1	4239802	4205905	4267435	4237714	0.73	cps
Rhodium	103-2	2821569	2806744	2793638	2807317	0.50	cps
Scandium	45-1	2535441	2494842	2479819	2503368	1.15	cps
Scandium	45-2	287739	285566	285837	286381	0.41	cps
Selenium	82-1	307	291	237	278	13.24	cps
Selenium	77-2	103	80	97	93	12.88	cps
Selenium	78-2	403	460	350	404	13.60	cps
Silicon	28-1	8879512	8840929	9048682	8923041	1.24	cps
Silver	107-1	930	913	1030	958	6.59	cps
Silver	109-1	920	947	933	933	1.43	cps
Sodium	23-2	230358	229594	228674	229542	0.37	cps
Strontium	86-1	186504	189832	191365	189234	1.31	cps
Strontium	88-1	1723765	1738559	1737608	1733311	0.48	cps
Sulfur	34-1	106662	110129	112581	109791	2.71	cps
Terbium	159-1	5825808	5764276	5721877	5770654	0.91	cps
Terbium	159-2	3755043	3736285	3758047	3749792	0.31	cps
Thallium	203-1	1227	1323	1247	1266	4.03	cps
Thallium	205-1	2970	2917	3090	2993	2.97	cps
Tin	118-1	7879	8888	8149	8305	6.29	cps
Titanium	47-1	649144	663230	670233	660869	1.63	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-15	Instrumnet Name :	P7
Client Sample ID :	MYE482	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:19:02	DataFile Name :	092SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9827	9967	10151	9982	1.63	cps
Vanadium	51-2	268243	266548	263985	266258	0.81	cps
Yttrium	89-1	7980155	7816825	7808642	7868541	1.23	cps
Yttrium	89-2	2315503	2311999	2291947	2306483	0.55	cps
Zinc	66-2	83985	82788	82899	83224	0.79	cps
Zirconium	90-1	73188	75245	74351	74261	1.39	cps
Zirconium	91-1	15735	16272	16970	16326	3.79	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-16	Instrumnet Name :	P7
Client Sample ID :	MYE483	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:22:11	DataFile Name :	093SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6392888	6386052	6281970	6353637	0.98	cps
Antimony	121-1	16493	16863	17080	16812	1.77	cps
Arsenic	75-2	83738	82920	83939	83532	0.65	cps
Barium	135-1	1311201	1326973	1337115	1325096	0.99	cps
Barium	137-1	2476099	2509724	2495906	2493910	0.68	cps
Beryllium	9-1	1023	897	870	930	8.81	cps
Bismuth	209-1	3514522	3465489	3484366	3488126	0.71	cps
Bismuth	209-2	2628452	2669056	2604747	2634085	1.23	cps
Bromine	81-1	6211	6328	6351	6297	1.19	cps
Bromine	81-2	313	410	367	363	13.33	cps
Cadmium	108-1	307	247	293	282	11.16	cps
Cadmium	106-1	1490	1580	1630	1567	4.53	cps
Cadmium	111-1	3475	3477	3619	3524	2.35	cps
Calcium	43-1	380612	387041	390006	385886	1.24	cps
Calcium	44-1	6027864	6097849	6130862	6085525	0.86	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	304442	303519	302012	303324	0.40	cps
Cobalt	59-2	251740	250645	252159	251515	0.31	cps
Copper	63-2	898404	894232	891182	894606	0.41	cps
Dysprosium	156-1	40615	41374	42304	41431	2.04	cps
Dysprosium	156-2	35919	35692	35859	35823	0.33	cps
Erbium	164-1	33644	34229	34202	34025	0.97	cps
Erbium	164-2	22178	23256	22976	22803	2.45	cps
Gadolinium	160-1	38961	39078	40595	39545	2.31	cps
Gadolinium	160-2	27828	28406	28212	28148	1.04	cps
Holmium	165-1	5752489	5642553	5527393	5640812	2.00	cps
Holmium	165-2	3775160	3877853	3756021	3803011	1.72	cps
Indium	115-1	4543426	4540782	4535856	4540021	0.08	cps
Indium	115-2	1677416	1667150	1694443	1679670	0.82	cps
Iron	56-2	326705235	329752608	329874842	328777562	0.55	cps
Iron	57-2	8167548	8178373	8214945	8186955	0.30	cps
Iron	54-2	18156852	18061162	18135965	18117993	0.28	cps
Krypton	83-1	253	183	220	219	16.00	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-16	Instrumnet Name :	P7
Client Sample ID :	MYE483	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:22:11	DataFile Name :	093SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	343435	350043	352197	348558	1.31	cps
Lead	207-1	302336	303830	303451	303205	0.26	cps
Lead	208-1	1361375	1376058	1386765	1374733	0.93	cps
Lithium	6-1	501979	502995	506929	503967	0.52	cps
Magnesium	24-2	5916295	5898923	5855017	5890078	0.54	cps
Manganese	55-2	13871493	13691650	13817447	13793530	0.67	cps
Molybdenum	94-1	56398	57660	57422	57160	1.17	cps
Molybdenum	95-1	5334	5068	5208	5203	2.56	cps
Molybdenum	96-1	16196	17417	17023	16879	3.69	cps
Molybdenum	97-1	2954	3150	3187	3097	4.05	cps
Molybdenum	98-1	7962	7452	7969	7794	3.80	cps
Neodymium	150-1	75125	77257	78255	76879	2.08	cps
Neodymium	150-2	45697	45607	44477	45260	1.50	cps
Nickel	60-2	107402	107532	108426	107786	0.52	cps
Phosphorus	31-2	18344	18505	18999	18616	1.83	cps
Potassium	39-2	2699751	2741430	2695351	2712177	0.94	cps
Rhodium	103-1	4331632	4244750	4257312	4277898	1.10	cps
Rhodium	103-2	2855642	2824552	2793796	2824663	1.09	cps
Scandium	45-1	2641653	2629531	2646782	2639322	0.34	cps
Scandium	45-2	302032	301020	301623	301558	0.17	cps
Selenium	82-1	347	340	328	338	2.77	cps
Selenium	77-2	150	187	163	167	11.14	cps
Selenium	78-2	423	430	443	432	2.36	cps
Silicon	28-1	9176322	9382235	9378982	9312513	1.27	cps
Silver	107-1	3450	3717	3394	3520	4.91	cps
Silver	109-1	3207	3287	3160	3218	1.99	cps
Sodium	23-2	118502	118650	118102	118418	0.24	cps
Strontium	86-1	142553	144557	145087	144066	0.93	cps
Strontium	88-1	1250312	1263917	1275949	1263393	1.02	cps
Sulfur	34-1	104980	103276	103058	103771	1.01	cps
Terbium	159-1	5975724	5843215	5738458	5852465	2.03	cps
Terbium	159-2	3756207	3828574	3821833	3802205	1.05	cps
Thallium	203-1	2190	2427	2437	2351	5.94	cps
Thallium	205-1	5198	5351	5328	5292	1.56	cps
Tin	118-1	9670	9657	9703	9677	0.25	cps
Titanium	47-1	645201	655493	659046	653247	1.10	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-16	Instrumnet Name :	P7
Client Sample ID :	MYE483	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:22:11	DataFile Name :	093SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	12623	13220	13050	12964	2.37	cps
Vanadium	51-2	620950	618622	613874	617815	0.58	cps
Yttrium	89-1	8327779	8234662	8168133	8243525	0.97	cps
Yttrium	89-2	2408050	2415630	2466623	2430101	1.31	cps
Zinc	66-2	148860	149090	148225	148725	0.30	cps
Zirconium	90-1	146268	147984	149150	147801	0.98	cps
Zirconium	91-1	32299	33004	32833	32712	1.12	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-17	Instrumnet Name :	P7
Client Sample ID :	MYE484	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:25:21	DataFile Name :	094SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8234260	8185453	8097726	8172479	0.85	cps
Antimony	121-1	8202	8383	8543	8376	2.03	cps
Arsenic	75-2	25425	25398	25128	25317	0.65	cps
Barium	135-1	381990	392534	391995	388840	1.53	cps
Barium	137-1	664139	682567	678225	674977	1.43	cps
Beryllium	9-1	410	460	460	443	6.51	cps
Bismuth	209-1	3538331	3437310	3420889	3465510	1.84	cps
Bismuth	209-2	2579502	2591198	2551725	2574142	0.79	cps
Bromine	81-1	5734	5781	5898	5805	1.45	cps
Bromine	81-2	283	240	213	246	14.39	cps
Cadmium	108-1	220	250	293	254	14.49	cps
Cadmium	106-1	1387	1353	1357	1366	1.34	cps
Cadmium	111-1	1330	1329	1344	1335	0.64	cps
Calcium	43-1	632397	641120	641309	638275	0.80	cps
Calcium	44-1	10022814	10098284	10089800	10070299	0.41	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	693231	693241	692769	693080	0.04	cps
Cobalt	59-2	472265	470685	469744	470898	0.27	cps
Copper	63-2	940809	944644	940309	941921	0.25	cps
Dysprosium	156-1	22812	23369	23453	23211	1.50	cps
Dysprosium	156-2	18646	19287	19477	19136	2.28	cps
Erbium	164-1	22732	23123	23072	22976	0.93	cps
Erbium	164-2	15662	15635	15065	15454	2.18	cps
Gadolinium	160-1	22138	23643	23136	22972	3.34	cps
Gadolinium	160-2	16764	16617	16477	16619	0.86	cps
Holmium	165-1	5745188	5591845	5565481	5634171	1.72	cps
Holmium	165-2	3795977	3798207	3717952	3770712	1.21	cps
Indium	115-1	4540535	4500692	4473287	4504838	0.75	cps
Indium	115-2	1696763	1681605	1646886	1675085	1.53	cps
Iron	56-2	275421009	271064709	271074709	272520143	0.92	cps
Iron	57-2	6763567	6706018	6694257	6721281	0.55	cps
Iron	54-2	15002589	15040165	14915936	14986230	0.43	cps
Krypton	83-1	160	217	193	190	14.99	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-17	Instrumnet Name :	P7
Client Sample ID :	MYE484	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:25:21	DataFile Name :	094SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	55965	58063	58107	57378	2.13	cps
Lead	207-1	48781	49426	50397	49534	1.64	cps
Lead	208-1	221102	226828	227344	225091	1.54	cps
Lithium	6-1	495317	489716	490506	491846	0.62	cps
Magnesium	24-2	10466889	10393184	10530015	10463363	0.65	cps
Manganese	55-2	5052730	4909459	4935135	4965775	1.54	cps
Molybdenum	94-1	43943	45360	48732	46012	5.35	cps
Molybdenum	95-1	2620	2570	2527	2572	1.82	cps
Molybdenum	96-1	12002	12425	12682	12370	2.78	cps
Molybdenum	97-1	1523	1730	1483	1579	8.39	cps
Molybdenum	98-1	3687	3931	4047	3888	4.73	cps
Neodymium	150-1	36511	37620	37323	37151	1.55	cps
Neodymium	150-2	22101	22274	21840	22072	0.99	cps
Nickel	60-2	213786	209034	212005	211608	1.13	cps
Phosphorus	31-2	13459	13673	13242	13458	1.60	cps
Potassium	39-2	1164097	1157562	1159114	1160258	0.29	cps
Rhodium	103-1	4230766	4196010	4251469	4226082	0.66	cps
Rhodium	103-2	2778777	2794182	2740932	2771297	0.99	cps
Scandium	45-1	2699489	2693435	2614662	2669195	1.77	cps
Scandium	45-2	306330	304188	301410	303976	0.81	cps
Selenium	82-1	346	339	320	335	3.99	cps
Selenium	77-2	63	77	83	74	13.68	cps
Selenium	78-2	447	410	383	413	7.69	cps
Silicon	28-1	11698523	12041155	11955991	11898556	1.50	cps
Silver	107-1	1183	1063	1143	1130	5.41	cps
Silver	109-1	840	963	1050	951	11.10	cps
Sodium	23-2	406777	408432	408661	407957	0.25	cps
Strontium	86-1	450682	464387	465676	460248	1.81	cps
Strontium	88-1	4144700	4243790	4295004	4227831	1.81	cps
Sulfur	34-1	103480	102652	103242	103125	0.41	cps
Terbium	159-1	5860320	5728262	5806750	5798444	1.15	cps
Terbium	159-2	3773201	3771022	3779322	3774515	0.11	cps
Thallium	203-1	687	603	623	638	6.82	cps
Thallium	205-1	1530	1553	1637	1573	3.56	cps
Tin	118-1	6715	6395	6638	6583	2.54	cps
Titanium	47-1	1223690	1264394	1261092	1249725	1.81	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-17	Instrumnet Name :	P7
Client Sample ID :	MYE484	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:25:21	DataFile Name :	094SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9150	8913	9023	9029	1.31	cps
Vanadium	51-2	636498	635947	632162	634869	0.37	cps
Yttrium	89-1	8086737	8005814	8005896	8032816	0.58	cps
Yttrium	89-2	2370800	2366594	2330615	2356003	0.94	cps
Zinc	66-2	75312	74783	74923	75006	0.37	cps
Zirconium	90-1	116934	119229	118510	118225	0.99	cps
Zirconium	91-1	25392	26531	26314	26079	2.32	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-18	Instrumnet Name :	P7
Client Sample ID :	MYE485	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:28:29	DataFile Name :	095SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5383794	5422565	5393681	5400013	0.37	cps
Antimony	121-1	8119	7996	7852	7989	1.67	cps
Arsenic	75-2	42367	42581	42056	42335	0.62	cps
Barium	135-1	821826	835305	840365	832499	1.15	cps
Barium	137-1	1415343	1444555	1439832	1433243	1.09	cps
Beryllium	9-1	597	657	643	632	4.98	cps
Bismuth	209-1	3317412	3450421	3462034	3409956	2.36	cps
Bismuth	209-2	2578271	2589887	2567618	2578592	0.43	cps
Bromine	81-1	5701	5684	6171	5852	4.72	cps
Bromine	81-2	287	280	220	262	14.00	cps
Cadmium	108-1	233	237	217	229	4.68	cps
Cadmium	106-1	1650	1583	1617	1617	2.06	cps
Cadmium	111-1	1608	1639	1650	1633	1.33	cps
Calcium	43-1	1171925	1195833	1186833	1184863	1.02	cps
Calcium	44-1	19001190	19488816	19751546	19413850	1.96	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	288686	288758	284975	287473	0.75	cps
Cobalt	59-2	168498	170894	169347	169580	0.72	cps
Copper	63-2	354980	354229	351174	353461	0.57	cps
Dysprosium	156-1	32204	32461	32538	32401	0.54	cps
Dysprosium	156-2	27904	28833	28262	28333	1.65	cps
Erbium	164-1	26515	27480	27300	27099	1.89	cps
Erbium	164-2	18159	18549	18356	18354	1.06	cps
Gadolinium	160-1	30263	31365	31028	30885	1.83	cps
Gadolinium	160-2	22164	22071	21820	22018	0.81	cps
Holmium	165-1	5417705	5727230	5739736	5628224	3.24	cps
Holmium	165-2	3805547	3790258	3817823	3804543	0.36	cps
Indium	115-1	4349980	4514154	4506957	4457030	2.08	cps
Indium	115-2	1707716	1685157	1683831	1692235	0.79	cps
Iron	56-2	201270890	200708724	199631830	200537148	0.42	cps
Iron	57-2	5010722	5026286	4994069	5010359	0.32	cps
Iron	54-2	11149547	11051727	10917107	11039460	1.06	cps
Krypton	83-1	183	220	243	216	14.03	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-18	Instrumnet Name :	P7
Client Sample ID :	MYE485	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:28:29	DataFile Name :	095SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	81965	83471	83441	82959	1.04	cps
Lead	207-1	68800	68582	69992	69125	1.10	cps
Lead	208-1	317387	320545	322009	319980	0.74	cps
Lithium	6-1	472253	500921	482482	485218	2.99	cps
Magnesium	24-2	9155491	9152875	9110792	9139719	0.27	cps
Manganese	55-2	3804092	3832523	3759905	3798840	0.96	cps
Molybdenum	94-1	88656	91091	90524	90091	1.41	cps
Molybdenum	95-1	2854	2980	2960	2931	2.32	cps
Molybdenum	96-1	19593	19633	19129	19452	1.44	cps
Molybdenum	97-1	1840	1813	1813	1822	0.84	cps
Molybdenum	98-1	4567	4571	4507	4549	0.78	cps
Neodymium	150-1	61698	63773	63187	62886	1.70	cps
Neodymium	150-2	37119	37142	37416	37226	0.44	cps
Nickel	60-2	121491	120627	119317	120479	0.91	cps
Phosphorus	31-2	20097	20264	19739	20033	1.34	cps
Potassium	39-2	1515006	1522273	1528161	1521813	0.43	cps
Rhodium	103-1	4027262	4215467	4135093	4125941	2.29	cps
Rhodium	103-2	2783883	2803498	2796375	2794585	0.36	cps
Scandium	45-1	2484556	2590025	2564114	2546232	2.16	cps
Scandium	45-2	299364	296468	295928	297253	0.62	cps
Selenium	82-1	354	255	320	310	16.14	cps
Selenium	77-2	110	143	113	122	15.02	cps
Selenium	78-2	463	413	403	427	7.53	cps
Silicon	28-1	10700316	10785495	10858954	10781588	0.74	cps
Silver	107-1	1020	1037	1000	1019	1.80	cps
Silver	109-1	750	860	840	817	7.17	cps
Sodium	23-2	404710	405169	408037	405972	0.44	cps
Strontium	86-1	445527	451585	452208	449774	0.82	cps
Strontium	88-1	4047724	4132253	4148877	4109618	1.32	cps
Sulfur	34-1	121837	121733	122382	121984	0.29	cps
Terbium	159-1	5557917	5807088	5729745	5698250	2.24	cps
Terbium	159-2	3785274	3852045	3743852	3793724	1.44	cps
Thallium	203-1	1093	1087	1170	1117	4.15	cps
Thallium	205-1	2477	2647	2404	2509	4.98	cps
Tin	118-1	8966	9603	9360	9310	3.45	cps
Titanium	47-1	1005611	1021590	1029653	1018951	1.20	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-18	Instrumnet Name :	P7
Client Sample ID :	MYE485	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:28:29	DataFile Name :	095SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13707	14385	14068	14053	2.41	cps
Vanadium	51-2	423879	419972	419763	421205	0.55	cps
Yttrium	89-1	7811217	7942432	8035402	7929684	1.42	cps
Yttrium	89-2	2344896	2393264	2385113	2374424	1.09	cps
Zinc	66-2	79296	79487	78488	79090	0.67	cps
Zirconium	90-1	235851	239012	242372	239078	1.36	cps
Zirconium	91-1	51694	53825	53062	52860	2.04	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-19	Instrumnet Name :	P7
Client Sample ID :	MYE486	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:31:40	DataFile Name :	096SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6809068	6779926	6717555	6768849	0.69	cps
Antimony	121-1	10014	10497	10354	10288	2.41	cps
Arsenic	75-2	46392	47144	46834	46790	0.81	cps
Barium	135-1	725039	740959	744466	736821	1.41	cps
Barium	137-1	1273928	1287268	1277212	1279469	0.54	cps
Beryllium	9-1	870	933	953	919	4.73	cps
Bismuth	209-1	3473793	3433085	3442742	3449873	0.62	cps
Bismuth	209-2	2539674	2531372	2584961	2552002	1.13	cps
Bromine	81-1	6852	7572	7162	7195	5.02	cps
Bromine	81-2	517	397	640	518	23.50	cps
Cadmium	108-1	210	233	203	216	7.31	cps
Cadmium	106-1	1440	1313	1393	1382	4.63	cps
Cadmium	111-1	1748	1639	1850	1746	6.03	cps
Calcium	43-1	681291	696209	695454	690985	1.22	cps
Calcium	44-1	10889569	10946627	11167387	11001194	1.33	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	288384	289189	290087	289220	0.29	cps
Cobalt	59-2	195426	196510	196774	196237	0.36	cps
Copper	63-2	469090	470036	469351	469493	0.10	cps
Dysprosium	156-1	35582	36825	36661	36356	1.86	cps
Dysprosium	156-2	32227	32280	31629	32045	1.13	cps
Erbium	164-1	30233	30891	29979	30367	1.55	cps
Erbium	164-2	20201	20065	20428	20231	0.91	cps
Gadolinium	160-1	34626	35014	34663	34768	0.62	cps
Gadolinium	160-2	25199	24575	25149	24975	1.39	cps
Holmium	165-1	5661997	5583991	5551584	5599191	1.01	cps
Holmium	165-2	3793137	3846055	3736691	3791961	1.44	cps
Indium	115-1	4532016	4482922	4548698	4521212	0.76	cps
Indium	115-2	1700891	1693847	1681454	1692064	0.58	cps
Iron	56-2	300521462	297579282	300862349	299654364	0.60	cps
Iron	57-2	7472534	7483989	7536324	7497615	0.45	cps
Iron	54-2	16758336	16598387	16591845	16649523	0.57	cps
Krypton	83-1	190	270	260	240	18.16	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-19	Instrumnet Name :	P7
Client Sample ID :	MYE486	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:31:40	DataFile Name :	096SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	176004	178444	179853	178101	1.09	cps
Lead	207-1	151066	152995	154146	152736	1.02	cps
Lead	208-1	688082	700505	704002	697530	1.20	cps
Lithium	6-1	481939	459007	466566	469171	2.49	cps
Magnesium	24-2	5239971	5290474	5273206	5267884	0.49	cps
Manganese	55-2	7293830	7361248	7361171	7338750	0.53	cps
Molybdenum	94-1	62084	64023	63758	63288	1.66	cps
Molybdenum	95-1	4231	4164	4197	4197	0.79	cps
Molybdenum	96-1	16730	16937	17204	16957	1.40	cps
Molybdenum	97-1	2454	2464	2490	2469	0.77	cps
Molybdenum	98-1	6251	6275	6165	6230	0.93	cps
Neodymium	150-1	68576	69955	70461	69664	1.40	cps
Neodymium	150-2	40464	40852	40545	40621	0.50	cps
Nickel	60-2	105962	104326	103843	104711	1.06	cps
Phosphorus	31-2	14567	14917	14557	14680	1.40	cps
Potassium	39-2	2488104	2535087	2517460	2513551	0.94	cps
Rhodium	103-1	4212783	4102284	4236837	4183968	1.72	cps
Rhodium	103-2	2765776	2821920	2815464	2801053	1.10	cps
Scandium	45-1	2614410	2578870	2657797	2617026	1.51	cps
Scandium	45-2	305312	306126	304150	305196	0.33	cps
Selenium	82-1	374	320	312	335	10.13	cps
Selenium	77-2	177	127	153	152	16.44	cps
Selenium	78-2	453	453	417	441	4.80	cps
Silicon	28-1	11482945	11627477	11865226	11658549	1.66	cps
Silver	107-1	1437	1463	1397	1432	2.34	cps
Silver	109-1	1180	1223	1180	1195	2.09	cps
Sodium	23-2	173924	174372	175582	174626	0.49	cps
Strontium	86-1	180349	186443	186933	184575	1.99	cps
Strontium	88-1	1665800	1708809	1719818	1698142	1.68	cps
Sulfur	34-1	117806	113971	113175	114984	2.15	cps
Terbium	159-1	5775805	5735791	5804215	5771937	0.60	cps
Terbium	159-2	3817758	3811806	3788466	3806010	0.41	cps
Thallium	203-1	1863	2177	1990	2010	7.84	cps
Thallium	205-1	4351	4941	4941	4744	7.18	cps
Tin	118-1	15869	16172	16099	16047	0.99	cps
Titanium	47-1	784827	801611	808581	798340	1.53	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-19	Instrumnet Name :	P7
Client Sample ID :	MYE486	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:31:40	DataFile Name :	096SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13050	12973	13003	13009	0.30	cps
Vanadium	51-2	553127	548106	549454	550229	0.47	cps
Yttrium	89-1	8041336	7986546	8103903	8043928	0.73	cps
Yttrium	89-2	2412060	2433758	2408441	2418087	0.57	cps
Zinc	66-2	111718	111227	111788	111578	0.27	cps
Zirconium	90-1	162765	166274	169464	166167	2.02	cps
Zirconium	91-1	35697	37455	37157	36769	2.56	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-20	Instrumnet Name :	P7
Client Sample ID :	MYE487	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:34:49	DataFile Name :	097SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8215440	8191622	8246148	8217737	0.33	cps
Antimony	121-1	6718	6498	6855	6691	2.69	cps
Arsenic	75-2	36398	37631	36789	36939	1.71	cps
Barium	135-1	844053	851566	851404	849008	0.51	cps
Barium	137-1	1577336	1582274	1588069	1582559	0.34	cps
Beryllium	9-1	983	953	953	963	1.80	cps
Bismuth	209-1	3463700	3490797	3436540	3463679	0.78	cps
Bismuth	209-2	2631324	2618441	2634362	2628042	0.32	cps
Bromine	81-1	8192	8546	8636	8458	2.77	cps
Bromine	81-2	907	943	897	916	2.68	cps
Cadmium	108-1	213	213	213	213	0.00	cps
Cadmium	106-1	1557	1433	1473	1488	4.23	cps
Cadmium	111-1	2234	2147	2232	2204	2.24	cps
Calcium	43-1	290987	291372	292041	291467	0.18	cps
Calcium	44-1	4547063	4579509	4668959	4598510	1.37	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	308805	307956	310671	309144	0.45	cps
Cobalt	59-2	214763	215712	212555	214343	0.76	cps
Copper	63-2	569248	568688	561969	566635	0.71	cps
Dysprosium	156-1	45915	47420	47420	46918	1.85	cps
Dysprosium	156-2	39806	40157	39853	39939	0.48	cps
Erbium	164-1	38319	39205	39088	38871	1.24	cps
Erbium	164-2	25988	26145	26121	26084	0.32	cps
Gadolinium	160-1	43902	44668	45347	44639	1.62	cps
Gadolinium	160-2	31906	31816	31629	31784	0.45	cps
Holmium	165-1	5762211	5715354	5637253	5704940	1.11	cps
Holmium	165-2	3729371	3807148	3846971	3794496	1.58	cps
Indium	115-1	4604556	4520371	4530082	4551670	1.01	cps
Indium	115-2	1676203	1674229	1687368	1679267	0.42	cps
Iron	56-2	238349843	237222116	239162810	238244923	0.41	cps
Iron	57-2	5931927	5875314	5934595	5913945	0.57	cps
Iron	54-2	13292054	13328885	13206923	13275954	0.47	cps
Krypton	83-1	253	233	227	238	5.84	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-20	Instrumnet Name :	P7
Client Sample ID :	MYE487	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:34:49	DataFile Name :	097SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	170793	174502	174461	173252	1.23	cps
Lead	207-1	145333	146409	147406	146383	0.71	cps
Lead	208-1	663815	674270	679072	672386	1.16	cps
Lithium	6-1	486887	485372	499384	490548	1.57	cps
Magnesium	24-2	5665392	5683050	5741856	5696766	0.70	cps
Manganese	55-2	7127576	6985172	7052575	7055108	1.01	cps
Molybdenum	94-1	51473	51815	51326	51538	0.49	cps
Molybdenum	95-1	5618	5875	5825	5772	2.36	cps
Molybdenum	96-1	15575	16706	15852	16044	3.68	cps
Molybdenum	97-1	3480	3504	3630	3538	2.28	cps
Molybdenum	98-1	8643	8536	8926	8702	2.32	cps
Neodymium	150-1	85591	85155	85826	85524	0.40	cps
Neodymium	150-2	50915	50517	50266	50566	0.65	cps
Nickel	60-2	95270	93731	94426	94475	0.82	cps
Phosphorus	31-2	20964	20841	21352	21052	1.27	cps
Potassium	39-2	4175931	4133429	4152919	4154093	0.51	cps
Rhodium	103-1	4335124	4252399	4207800	4265108	1.51	cps
Rhodium	103-2	2787181	2818078	2807446	2804235	0.56	cps
Scandium	45-1	2659577	2658722	2612097	2643465	1.03	cps
Scandium	45-2	302368	301562	305109	303013	0.61	cps
Selenium	82-1	317	289	377	328	13.74	cps
Selenium	77-2	193	170	207	190	9.77	cps
Selenium	78-2	527	467	437	477	9.61	cps
Silicon	28-1	12902536	13024871	12969063	12965490	0.47	cps
Silver	107-1	2594	2504	2434	2510	3.20	cps
Silver	109-1	2187	2510	2450	2382	7.22	cps
Sodium	23-2	151053	150726	151548	151109	0.27	cps
Strontium	86-1	185545	186294	187881	186573	0.64	cps
Strontium	88-1	1733803	1725317	1688020	1715714	1.42	cps
Sulfur	34-1	103816	99457	98561	100612	2.79	cps
Terbium	159-1	5890251	5836042	5811594	5845962	0.69	cps
Terbium	159-2	3814247	3838319	3830658	3827741	0.32	cps
Thallium	203-1	2114	2154	2077	2115	1.81	cps
Thallium	205-1	4854	4981	4768	4868	2.21	cps
Tin	118-1	13730	13960	13733	13808	0.96	cps
Titanium	47-1	856514	858215	863260	859330	0.41	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-20	Instrumnet Name :	P7
Client Sample ID :	MYE487	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:34:49	DataFile Name :	097SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18152	18460	18660	18424	1.39	cps
Vanadium	51-2	450699	447655	449362	449239	0.34	cps
Yttrium	89-1	8432046	8260403	8161188	8284546	1.65	cps
Yttrium	89-2	2429340	2420439	2429194	2426324	0.21	cps
Zinc	66-2	120007	118859	119295	119387	0.49	cps
Zirconium	90-1	131763	132082	132973	132272	0.47	cps
Zirconium	91-1	28561	28925	28762	28749	0.63	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-21	Instrumnet Name :	P7
Client Sample ID :	MYE488	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:38:00	DataFile Name :	098SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5861214	5755811	5805190	5807405	0.91	cps
Antimony	121-1	12022	12139	11905	12022	0.97	cps
Arsenic	75-2	35970	35589	35339	35633	0.89	cps
Barium	135-1	620550	631887	634348	628928	1.17	cps
Barium	137-1	1082659	1091655	1096049	1090121	0.63	cps
Beryllium	9-1	813	837	787	812	3.08	cps
Bismuth	209-1	3549861	3550610	3506073	3535515	0.72	cps
Bismuth	209-2	2702041	2681189	2672282	2685170	0.57	cps
Bromine	81-1	8342	8389	8389	8374	0.32	cps
Bromine	81-2	760	817	853	810	5.80	cps
Cadmium	108-1	253	210	213	226	10.69	cps
Cadmium	106-1	1570	1417	1483	1490	5.16	cps
Cadmium	111-1	3162	3215	3136	3171	1.27	cps
Calcium	43-1	320236	329103	328823	326054	1.55	cps
Calcium	44-1	5084033	5145900	5033783	5087905	1.10	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	247433	247245	242655	245777	1.10	cps
Cobalt	59-2	164565	163087	164599	164084	0.53	cps
Copper	63-2	823404	816475	817245	819041	0.46	cps
Dysprosium	156-1	35926	36390	36253	36190	0.66	cps
Dysprosium	156-2	31689	31342	30977	31336	1.14	cps
Erbium	164-1	29381	29966	30089	29812	1.27	cps
Erbium	164-2	19908	19978	19881	19922	0.25	cps
Gadolinium	160-1	34289	34723	35007	34673	1.04	cps
Gadolinium	160-2	25012	24949	25106	25022	0.32	cps
Holmium	165-1	5812499	5735180	5719548	5755742	0.86	cps
Holmium	165-2	3910793	3867330	3934508	3904210	0.87	cps
Indium	115-1	4561175	4588456	4599294	4582975	0.43	cps
Indium	115-2	1713441	1706463	1691613	1703839	0.65	cps
Iron	56-2	188735211	188514971	187369871	188206684	0.39	cps
Iron	57-2	4739571	4705958	4680673	4708734	0.63	cps
Iron	54-2	10481544	10439738	10470652	10463978	0.21	cps
Krypton	83-1	203	210	237	217	8.14	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-21	Instrumnet Name :	P7
Client Sample ID :	MYE488	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:38:00	DataFile Name :	098SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	268348	270966	271696	270337	0.65	cps
Lead	207-1	230432	235466	234480	233459	1.14	cps
Lead	208-1	1055431	1067841	1063695	1062322	0.59	cps
Lithium	6-1	506854	513014	507416	509095	0.67	cps
Magnesium	24-2	4621138	4612783	4590908	4608276	0.34	cps
Manganese	55-2	4987881	5022782	5011282	5007315	0.36	cps
Molybdenum	94-1	40800	42796	42809	42135	2.74	cps
Molybdenum	95-1	7622	8032	7979	7878	2.83	cps
Molybdenum	96-1	15912	15769	16109	15930	1.07	cps
Molybdenum	97-1	4774	4737	4981	4831	2.72	cps
Molybdenum	98-1	12055	12055	12482	12197	2.02	cps
Neodymium	150-1	68716	69018	69671	69135	0.71	cps
Neodymium	150-2	41053	39746	40361	40387	1.62	cps
Nickel	60-2	79218	80280	78474	79324	1.14	cps
Phosphorus	31-2	22330	22790	23304	22808	2.14	cps
Potassium	39-2	4160626	4166483	4163595	4163568	0.07	cps
Rhodium	103-1	4247206	4287612	4266663	4267160	0.47	cps
Rhodium	103-2	2859642	2847132	2869800	2858858	0.40	cps
Scandium	45-1	2679182	2614031	2614017	2635744	1.43	cps
Scandium	45-2	299242	299315	297799	298786	0.29	cps
Selenium	82-1	351	375	293	340	12.44	cps
Selenium	77-2	107	110	130	116	10.92	cps
Selenium	78-2	413	513	387	438	15.25	cps
Silicon	28-1	11803939	11854828	11736839	11798536	0.50	cps
Silver	107-1	4971	5058	5324	5118	3.60	cps
Silver	109-1	4467	4527	4634	4543	1.86	cps
Sodium	23-2	153171	155968	154396	154512	0.91	cps
Strontium	86-1	277585	277833	279572	278330	0.39	cps
Strontium	88-1	2529049	2530073	2541111	2533411	0.26	cps
Sulfur	34-1	106571	105873	106293	106246	0.33	cps
Terbium	159-1	5906080	5863156	5945718	5904985	0.70	cps
Terbium	159-2	3852928	3841793	3814435	3836385	0.52	cps
Thallium	203-1	1803	1657	1750	1737	4.27	cps
Thallium	205-1	4087	4254	4117	4153	2.14	cps
Tin	118-1	10164	10340	10237	10247	0.87	cps
Titanium	47-1	697581	709375	707623	704860	0.90	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-21	Instrumnet Name :	P7
Client Sample ID :	MYE488	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:38:00	DataFile Name :	098SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14508	14978	14999	14828	1.87	cps
Vanadium	51-2	369195	364394	367200	366930	0.66	cps
Yttrium	89-1	8180849	8136035	8063312	8126732	0.73	cps
Yttrium	89-2	2412435	2390004	2438143	2413527	1.00	cps
Zinc	66-2	133326	131863	131691	132293	0.68	cps
Zirconium	90-1	101669	102729	103629	102676	0.96	cps
Zirconium	91-1	22758	22774	22751	22761	0.05	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-22	Instrumnet Name :	P7
Client Sample ID :	MYE489	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:41:09	DataFile Name :	099SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5861010	5771812	5809425	5814082	0.77	cps
Antimony	121-1	9597	9967	10207	9924	3.10	cps
Arsenic	75-2	36595	36244	36512	36450	0.50	cps
Barium	135-1	625595	638643	632073	632104	1.03	cps
Barium	137-1	1080669	1096538	1095211	1090806	0.81	cps
Beryllium	9-1	850	820	713	794	9.04	cps
Bismuth	209-1	3543534	3377350	3528550	3483145	2.64	cps
Bismuth	209-2	2662708	2628930	2613623	2635087	0.95	cps
Bromine	81-1	8773	9306	9190	9090	3.09	cps
Bromine	81-2	847	920	1033	933	10.08	cps
Cadmium	108-1	220	197	237	218	9.23	cps
Cadmium	106-1	1387	1397	1403	1396	0.60	cps
Cadmium	111-1	3027	3337	3144	3169	4.94	cps
Calcium	43-1	333242	338321	343171	338245	1.47	cps
Calcium	44-1	5320099	5354612	5345696	5340136	0.34	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	248302	245711	244677	246230	0.76	cps
Cobalt	59-2	180597	178441	177982	179006	0.78	cps
Copper	63-2	859652	858095	851898	856548	0.48	cps
Dysprosium	156-1	35348	35802	36096	35749	1.05	cps
Dysprosium	156-2	32080	31251	31863	31731	1.35	cps
Erbium	164-1	30280	30313	30249	30281	0.10	cps
Erbium	164-2	20879	20131	20271	20427	1.95	cps
Gadolinium	160-1	34793	35051	35732	35192	1.38	cps
Gadolinium	160-2	25540	25473	24792	25268	1.64	cps
Holmium	165-1	5743682	5393704	5701095	5612827	3.40	cps
Holmium	165-2	3862049	3823104	3820568	3835240	0.61	cps
Indium	115-1	4586420	4373827	4539779	4500009	2.48	cps
Indium	115-2	1692122	1708817	1679087	1693342	0.88	cps
Iron	56-2	195564410	194102524	194767597	194811510	0.38	cps
Iron	57-2	4824782	4832326	4778488	4811865	0.61	cps
Iron	54-2	10736225	10809384	10809673	10785094	0.39	cps
Krypton	83-1	217	233	230	227	3.89	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-22	Instrumnet Name :	P7
Client Sample ID :	MYE489	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:41:09	DataFile Name :	099SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	272037	274575	274785	273799	0.56	cps
Lead	207-1	235772	239133	236411	237105	0.75	cps
Lead	208-1	1076588	1086430	1081020	1081346	0.46	cps
Lithium	6-1	501067	483490	491451	492003	1.79	cps
Magnesium	24-2	4722288	4671966	4701454	4698569	0.54	cps
Manganese	55-2	4954033	4913715	4921701	4929816	0.43	cps
Molybdenum	94-1	34688	34588	34778	34684	0.27	cps
Molybdenum	95-1	7622	7959	7846	7809	2.19	cps
Molybdenum	96-1	15115	15175	15315	15201	0.68	cps
Molybdenum	97-1	4511	4854	4904	4756	4.50	cps
Molybdenum	98-1	12052	11975	12435	12154	2.03	cps
Neodymium	150-1	69517	70354	69744	69872	0.62	cps
Neodymium	150-2	40595	39873	40826	40431	1.23	cps
Nickel	60-2	83290	82884	82710	82961	0.36	cps
Phosphorus	31-2	24213	24353	23885	24150	0.99	cps
Potassium	39-2	4263270	4151326	4169561	4194719	1.43	cps
Rhodium	103-1	4237275	4030508	4221730	4163171	2.77	cps
Rhodium	103-2	2801007	2849747	2865221	2838658	1.18	cps
Scandium	45-1	2632894	2508352	2605945	2582397	2.54	cps
Scandium	45-2	298603	294154	292122	294959	1.12	cps
Selenium	82-1	324	365	343	344	6.02	cps
Selenium	77-2	123	143	120	129	9.79	cps
Selenium	78-2	540	430	463	478	11.81	cps
Silicon	28-1	12648148	12871326	12818478	12779317	0.91	cps
Silver	107-1	5111	5158	5471	5247	3.73	cps
Silver	109-1	5134	5334	5018	5162	3.10	cps
Sodium	23-2	169256	167278	167723	168085	0.62	cps
Strontium	86-1	277938	283550	283288	281592	1.12	cps
Strontium	88-1	2612606	2593298	2630521	2612141	0.71	cps
Sulfur	34-1	107424	106175	106017	106539	0.72	cps
Terbium	159-1	5932218	5550669	5812946	5765277	3.39	cps
Terbium	159-2	3795132	3729131	3916845	3813703	2.50	cps
Thallium	203-1	1753	1890	1740	1795	4.63	cps
Thallium	205-1	4114	4167	4291	4191	2.16	cps
Tin	118-1	10657	10894	10734	10762	1.12	cps
Titanium	47-1	694711	704174	702308	700398	0.72	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-22	Instrumnet Name :	P7
Client Sample ID :	MYE489	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:41:09	DataFile Name :	099SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14148	14825	15019	14664	3.12	cps
Vanadium	51-2	379160	375415	375375	376650	0.58	cps
Yttrium	89-1	8193646	7755122	8090405	8013058	2.86	cps
Yttrium	89-2	2408702	2361263	2355557	2375174	1.23	cps
Zinc	66-2	137308	136437	135000	136248	0.86	cps
Zirconium	90-1	81582	84273	84441	83432	1.92	cps
Zirconium	91-1	18352	18051	18719	18374	1.82	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-01	Instrumnet Name :	P7
Client Sample ID :	MYE490	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:44:19	DataFile Name :	100SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6417605	6395721	6383097	6398808	0.27	cps
Antimony	121-1	13219	13293	13169	13227	0.47	cps
Arsenic	75-2	41785	41184	41561	41510	0.73	cps
Barium	135-1	659302	666875	674402	666859	1.13	cps
Barium	137-1	1132168	1157477	1157431	1149025	1.27	cps
Beryllium	9-1	863	943	847	884	5.84	cps
Bismuth	209-1	3527051	3482722	3506427	3505400	0.63	cps
Bismuth	209-2	2605762	2690076	2648077	2647972	1.59	cps
Bromine	81-1	7519	8052	8029	7867	3.83	cps
Bromine	81-2	670	807	657	711	11.67	cps
Cadmium	108-1	233	210	213	219	5.77	cps
Cadmium	106-1	1407	1537	1460	1468	4.45	cps
Cadmium	111-1	3105	3412	3206	3241	4.83	cps
Calcium	43-1	396001	404306	404616	401641	1.22	cps
Calcium	44-1	6253407	6310087	6396078	6319857	1.14	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	269783	271844	270585	270737	0.38	cps
Cobalt	59-2	184153	186403	184112	184889	0.71	cps
Copper	63-2	909528	913105	907526	910053	0.31	cps
Dysprosium	156-1	37497	39322	38850	38556	2.46	cps
Dysprosium	156-2	34573	33557	34161	34097	1.50	cps
Erbium	164-1	32327	32752	32625	32568	0.67	cps
Erbium	164-2	21690	22635	22048	22124	2.16	cps
Gadolinium	160-1	36992	38078	37784	37618	1.49	cps
Gadolinium	160-2	27427	26933	26856	27072	1.15	cps
Holmium	165-1	5810174	5706681	5620421	5712425	1.66	cps
Holmium	165-2	3841957	3838449	3779526	3819977	0.92	cps
Indium	115-1	4501345	4503181	4515019	4506515	0.16	cps
Indium	115-2	1705284	1686427	1678882	1690198	0.80	cps
Iron	56-2	208771550	209687430	208217410	208892130	0.36	cps
Iron	57-2	5185606	5206476	5144925	5179002	0.60	cps
Iron	54-2	11528837	11540110	11570977	11546641	0.19	cps
Krypton	83-1	263	180	190	211	21.55	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-01	Instrumnet Name :	P7
Client Sample ID :	MYE490	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:44:19	DataFile Name :	100SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	279853	286061	282740	282885	1.10	cps
Lead	207-1	237985	245394	243622	242334	1.60	cps
Lead	208-1	1101291	1121664	1111684	1111546	0.92	cps
Lithium	6-1	493897	504554	496199	498217	1.13	cps
Magnesium	24-2	4960100	4915374	4968038	4947837	0.57	cps
Manganese	55-2	5083049	5131291	5076317	5096886	0.59	cps
Molybdenum	94-1	53076	53538	54601	53738	1.46	cps
Molybdenum	95-1	7242	7552	7495	7430	2.22	cps
Molybdenum	96-1	17250	18131	17841	17741	2.53	cps
Molybdenum	97-1	4477	4591	4451	4506	1.65	cps
Molybdenum	98-1	11398	11605	11171	11391	1.90	cps
Neodymium	150-1	72455	74284	73755	73498	1.28	cps
Neodymium	150-2	43347	43938	42885	43390	1.22	cps
Nickel	60-2	90856	90327	90957	90713	0.37	cps
Phosphorus	31-2	23375	23785	23875	23678	1.13	cps
Potassium	39-2	4114331	4149666	4196433	4153477	0.99	cps
Rhodium	103-1	4269067	4223029	4218099	4236731	0.66	cps
Rhodium	103-2	2834763	2790813	2826798	2817458	0.83	cps
Scandium	45-1	2605959	2575493	2608916	2596789	0.71	cps
Scandium	45-2	298129	298485	295830	297481	0.48	cps
Selenium	82-1	312	390	385	363	12.10	cps
Selenium	77-2	217	180	137	178	22.53	cps
Selenium	78-2	410	427	487	441	9.14	cps
Silicon	28-1	9219638	9546725	9430990	9399118	1.76	cps
Silver	107-1	5704	6058	6445	6069	6.10	cps
Silver	109-1	5871	5828	5958	5886	1.12	cps
Sodium	23-2	157770	157907	159736	158471	0.69	cps
Strontium	86-1	246265	254284	252479	251009	1.68	cps
Strontium	88-1	2279770	2314447	2327296	2307171	1.07	cps
Sulfur	34-1	105152	107488	107602	106747	1.30	cps
Terbium	159-1	5842651	5917722	5878910	5879761	0.64	cps
Terbium	159-2	3857547	3845623	3821007	3841392	0.49	cps
Thallium	203-1	1883	1827	1954	1888	3.36	cps
Thallium	205-1	4167	4401	4274	4281	2.73	cps
Tin	118-1	14010	14200	14718	14309	2.56	cps
Titanium	47-1	715666	729641	734247	726518	1.33	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-01	Instrumnet Name :	P7
Client Sample ID :	MYE490	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:44:19	DataFile Name :	100SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17488	17014	17568	17357	1.73	cps
Vanadium	51-2	411426	411763	410891	411360	0.11	cps
Yttrium	89-1	8235656	8212768	8148375	8198933	0.55	cps
Yttrium	89-2	2421450	2406355	2429406	2419070	0.48	cps
Zinc	66-2	139171	138664	139131	138989	0.20	cps
Zirconium	90-1	130951	137261	137282	135165	2.70	cps
Zirconium	91-1	30031	30766	29987	30261	1.45	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-02	Instrumnet Name :	P7
Client Sample ID :	MYE491	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:47:27	DataFile Name :	101SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5331011	5369142	5404303	5368152	0.68	cps
Antimony	121-1	6265	6532	6428	6408	2.10	cps
Arsenic	75-2	18068	18158	18125	18117	0.25	cps
Barium	135-1	525011	532664	531738	529805	0.79	cps
Barium	137-1	896506	918246	920380	911710	1.45	cps
Beryllium	9-1	663	733	703	700	5.02	cps
Bismuth	209-1	3519309	3500245	3409130	3476228	1.69	cps
Bismuth	209-2	2259452	2546439	2610175	2472022	7.56	cps
Bromine	81-1	6065	6121	6191	6126	1.04	cps
Bromine	81-2	273	287	287	282	2.73	cps
Cadmium	108-1	190	217	197	201	6.90	cps
Cadmium	106-1	1553	1540	1513	1536	1.33	cps
Cadmium	111-1	1741	1833	1735	1770	3.10	cps
Calcium	43-1	695116	710839	706627	704194	1.16	cps
Calcium	44-1	10911614	11027674	11169063	11036117	1.17	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	229376	228063	227591	228344	0.41	cps
Cobalt	59-2	181230	179028	175409	178556	1.65	cps
Copper	63-2	418096	413258	413452	414936	0.66	cps
Dysprosium	156-1	31472	31445	31722	31547	0.48	cps
Dysprosium	156-2	28018	27457	27360	27612	1.29	cps
Erbium	164-1	25146	26378	25914	25813	2.41	cps
Erbium	164-2	17601	17037	17071	17236	1.84	cps
Gadolinium	160-1	29471	29965	29982	29806	0.97	cps
Gadolinium	160-2	21647	21199	21433	21427	1.04	cps
Holmium	165-1	5751364	5641561	5508387	5633771	2.16	cps
Holmium	165-2	3363418	3663108	3796835	3607787	6.15	cps
Indium	115-1	4582126	4550349	4555341	4562605	0.37	cps
Indium	115-2	1455626	1625431	1685815	1588958	7.51	cps
Iron	56-2	185287917	185840831	183233537	184787428	0.74	cps
Iron	57-2	4652627	4549214	4568581	4590141	1.20	cps
Iron	54-2	10276032	10143754	10154023	10191270	0.72	cps
Krypton	83-1	243	227	157	209	22.02	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-02	Instrumnet Name :	P7
Client Sample ID :	MYE491	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:47:27	DataFile Name :	101SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	110357	111856	110754	110989	0.70	cps
Lead	207-1	93828	95174	95157	94719	0.82	cps
Lead	208-1	428687	437291	432790	432923	0.99	cps
Lithium	6-1	482918	487192	487515	485875	0.53	cps
Magnesium	24-2	7443084	7296558	7314620	7351421	1.09	cps
Manganese	55-2	3559648	3504844	3525088	3529860	0.79	cps
Molybdenum	94-1	81877	85179	84730	83929	2.13	cps
Molybdenum	95-1	3110	3304	2977	3130	5.25	cps
Molybdenum	96-1	18071	18962	18632	18555	2.43	cps
Molybdenum	97-1	2003	2040	2144	2062	3.52	cps
Molybdenum	98-1	4954	5261	5218	5144	3.23	cps
Neodymium	150-1	60228	61764	61390	61127	1.31	cps
Neodymium	150-2	36170	35969	35745	35961	0.59	cps
Nickel	60-2	115233	115739	115981	115651	0.33	cps
Phosphorus	31-2	22520	22557	22303	22460	0.61	cps
Potassium	39-2	1909299	1902402	1879889	1897197	0.81	cps
Rhodium	103-1	4252697	4242118	4227836	4240884	0.29	cps
Rhodium	103-2	2488969	2734020	2777549	2666846	5.83	cps
Scandium	45-1	2548852	2521511	2489867	2520077	1.17	cps
Scandium	45-2	257417	286291	294364	279357	6.95	cps
Selenium	82-1	273	277	390	313	21.27	cps
Selenium	77-2	113	103	80	99	17.30	cps
Selenium	78-2	413	473	363	417	13.22	cps
Silicon	28-1	7527874	7840216	7507116	7625068	2.45	cps
Silver	107-1	1587	1470	1460	1506	4.68	cps
Silver	109-1	1350	1547	1377	1425	7.49	cps
Sodium	23-2	481151	477896	478806	479284	0.35	cps
Strontium	86-1	892476	924256	915777	910836	1.81	cps
Strontium	88-1	8315401	8512843	8414424	8414222	1.17	cps
Sulfur	34-1	110623	113282	112826	112244	1.27	cps
Terbium	159-1	5905592	5719549	5723567	5782903	1.84	cps
Terbium	159-2	3358435	3723535	3830658	3637543	6.81	cps
Thallium	203-1	943	933	933	937	0.62	cps
Thallium	205-1	2177	2460	2350	2329	6.13	cps
Tin	118-1	10364	10441	10631	10478	1.31	cps
Titanium	47-1	1290017	1338691	1315003	1314570	1.85	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-02	Instrumnet Name :	P7
Client Sample ID :	MYE491	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:47:27	DataFile Name :	101SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	19391	20035	20159	19862	2.08	cps
Vanadium	51-2	414085	415993	413447	414508	0.32	cps
Yttrium	89-1	8123107	8161710	8067322	8117380	0.58	cps
Yttrium	89-2	2096894	2319351	2344032	2253425	6.04	cps
Zinc	66-2	81233	79617	79966	80272	1.06	cps
Zirconium	90-1	218771	223378	223245	221798	1.18	cps
Zirconium	91-1	48557	49420	49410	49129	1.01	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-03	Instrumnet Name :	P7
Client Sample ID :	MYE492	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:50:38	DataFile Name :	102SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6124232	6144305	5989945	6086161	1.38	cps
Antimony	121-1	9006	9100	9230	9112	1.23	cps
Arsenic	75-2	26674	27031	26818	26841	0.67	cps
Barium	135-1	367208	374069	374527	371935	1.10	cps
Barium	137-1	633742	647419	645789	642317	1.16	cps
Beryllium	9-1	430	427	493	450	8.35	cps
Bismuth	209-1	3402679	3488820	3447258	3446252	1.25	cps
Bismuth	209-2	2578565	2517399	2503584	2533183	1.58	cps
Bromine	81-1	7225	7449	7352	7342	1.53	cps
Bromine	81-2	527	550	630	569	9.53	cps
Cadmium	108-1	143	143	193	160	18.04	cps
Cadmium	106-1	1303	1310	1360	1325	2.34	cps
Cadmium	111-1	2075	2100	2110	2095	0.85	cps
Calcium	43-1	349139	354874	352785	352266	0.82	cps
Calcium	44-1	5555989	5596783	5594960	5582577	0.41	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	402755	401867	399909	401510	0.36	cps
Cobalt	59-2	221259	220348	221631	221079	0.30	cps
Copper	63-2	645919	642762	644238	644306	0.25	cps
Dysprosium	156-1	26351	27186	27046	26861	1.66	cps
Dysprosium	156-2	23082	22772	22685	22846	0.91	cps
Erbium	164-1	23934	24455	24709	24366	1.62	cps
Erbium	164-2	16707	16430	16286	16474	1.30	cps
Gadolinium	160-1	26732	26949	26181	26621	1.49	cps
Gadolinium	160-2	18743	18863	18836	18814	0.34	cps
Holmium	165-1	5690591	5665600	5514144	5623445	1.70	cps
Holmium	165-2	3824781	3675213	3673459	3724484	2.33	cps
Indium	115-1	4499740	4462302	4476882	4479641	0.42	cps
Indium	115-2	1676984	1634423	1590422	1633943	2.65	cps
Iron	56-2	212376577	211769577	211317804	211821319	0.25	cps
Iron	57-2	5272397	5355353	5254410	5294053	1.02	cps
Iron	54-2	11767331	11675536	11659806	11700891	0.50	cps
Krypton	83-1	193	233	167	198	16.97	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-03	Instrumnet Name :	P7
Client Sample ID :	MYE492	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:50:38	DataFile Name :	102SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	139051	141912	140986	140650	1.04	cps
Lead	207-1	119645	121689	122726	121353	1.29	cps
Lead	208-1	547833	559719	560004	555852	1.25	cps
Lithium	6-1	477838	475014	477535	476796	0.33	cps
Magnesium	24-2	6763507	6741684	6613610	6706267	1.21	cps
Manganese	55-2	3965409	3936745	3972791	3958315	0.48	cps
Molybdenum	94-1	26808	28251	27579	27546	2.62	cps
Molybdenum	95-1	3524	3337	3544	3468	3.29	cps
Molybdenum	96-1	10037	9200	10310	9849	5.88	cps
Molybdenum	97-1	2134	2117	2144	2131	0.63	cps
Molybdenum	98-1	5268	5534	5624	5476	3.39	cps
Neodymium	150-1	47376	48459	47858	47898	1.13	cps
Neodymium	150-2	28312	28506	27473	28097	1.95	cps
Nickel	60-2	110356	110735	110353	110481	0.20	cps
Phosphorus	31-2	17820	17794	17624	17746	0.60	cps
Potassium	39-2	2571313	2563958	2553781	2563017	0.34	cps
Rhodium	103-1	4193079	4263610	4213537	4223409	0.86	cps
Rhodium	103-2	2842465	2718984	2727651	2763033	2.49	cps
Scandium	45-1	2596822	2654238	2580916	2610659	1.48	cps
Scandium	45-2	299464	292419	285846	292576	2.33	cps
Selenium	82-1	352	337	398	362	8.68	cps
Selenium	77-2	103	120	120	114	8.40	cps
Selenium	78-2	413	437	447	432	3.96	cps
Silicon	28-1	8894524	8845209	8728367	8822700	0.97	cps
Silver	107-1	2544	2567	2400	2504	3.61	cps
Silver	109-1	2330	2350	2264	2315	1.96	cps
Sodium	23-2	228660	232596	233123	231460	1.05	cps
Strontium	86-1	163963	168338	168396	166899	1.52	cps
Strontium	88-1	1525314	1531990	1530086	1529130	0.22	cps
Sulfur	34-1	108512	107095	105145	106917	1.58	cps
Terbium	159-1	5701204	5822541	5702293	5742013	1.21	cps
Terbium	159-2	3823936	3670753	3653403	3716031	2.53	cps
Thallium	203-1	1083	1023	1053	1053	2.85	cps
Thallium	205-1	2474	2474	2397	2448	1.81	cps
Tin	118-1	9723	9994	10371	10029	3.24	cps
Titanium	47-1	613664	635056	628933	625884	1.76	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-03	Instrumnet Name :	P7
Client Sample ID :	MYE492	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:50:38	DataFile Name :	102SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10508	10307	10321	10379	1.08	cps
Vanadium	51-2	493005	495060	493295	493787	0.23	cps
Yttrium	89-1	8080738	8104197	8100366	8095100	0.16	cps
Yttrium	89-2	2386955	2300929	2268782	2318889	2.63	cps
Zinc	66-2	94473	94141	93430	94015	0.57	cps
Zirconium	90-1	67752	69235	69396	68795	1.32	cps
Zirconium	91-1	17130	16369	16266	16588	2.84	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-04	Instrumnet Name :	P7
Client Sample ID :	MYE493	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:53:47	DataFile Name :	103SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5013548	5002273	4975064	4996962	0.40	cps
Antimony	121-1	11154	11375	11508	11346	1.57	cps
Arsenic	75-2	19413	18986	18689	19029	1.91	cps
Barium	135-1	416772	425130	424852	422252	1.12	cps
Barium	137-1	722223	732445	735527	730065	0.95	cps
Beryllium	9-1	597	730	650	659	10.18	cps
Bismuth	209-1	3472898	3515230	3460869	3482999	0.82	cps
Bismuth	209-2	2556380	2578398	2566733	2567170	0.43	cps
Bromine	81-1	6171	6265	6178	6205	0.84	cps
Bromine	81-2	310	367	323	333	8.89	cps
Cadmium	108-1	147	183	177	169	11.57	cps
Cadmium	106-1	1407	1330	1330	1356	3.27	cps
Cadmium	111-1	1829	1696	1754	1760	3.78	cps
Calcium	43-1	446913	454176	452980	451356	0.86	cps
Calcium	44-1	6974599	7197157	7060537	7077431	1.59	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	222180	219504	220657	220780	0.61	cps
Cobalt	59-2	166554	167386	167095	167012	0.25	cps
Copper	63-2	437519	434637	432627	434928	0.57	cps
Dysprosium	156-1	30266	30313	29939	30172	0.68	cps
Dysprosium	156-2	26098	25927	26231	26085	0.58	cps
Erbium	164-1	24411	24341	24462	24405	0.25	cps
Erbium	164-2	16049	16233	15632	15971	1.93	cps
Gadolinium	160-1	27454	28292	28188	27978	1.63	cps
Gadolinium	160-2	20071	19894	20302	20089	1.02	cps
Holmium	165-1	5664913	5661349	5602482	5642915	0.62	cps
Holmium	165-2	3730057	3753638	3746470	3743389	0.32	cps
Indium	115-1	4501696	4566201	4418813	4495570	1.64	cps
Indium	115-2	1712433	1653499	1677557	1681163	1.76	cps
Iron	56-2	174332204	173383917	173612891	173776337	0.28	cps
Iron	57-2	4327439	4287632	4295897	4303656	0.49	cps
Iron	54-2	9548972	9609139	9552973	9570361	0.35	cps
Krypton	83-1	233	190	240	221	12.28	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-04	Instrumnet Name :	P7
Client Sample ID :	MYE493	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:53:47	DataFile Name :	103SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	115569	117893	118117	117193	1.20	cps
Lead	207-1	98179	99793	99565	99179	0.88	cps
Lead	208-1	449244	456647	455546	453812	0.88	cps
Lithium	6-1	484259	489365	477104	483576	1.27	cps
Magnesium	24-2	5575355	5621785	5545503	5580881	0.69	cps
Manganese	55-2	3100538	3107457	3088992	3098996	0.30	cps
Molybdenum	94-1	61572	63336	63617	62842	1.76	cps
Molybdenum	95-1	3017	3210	2950	3059	4.42	cps
Molybdenum	96-1	14814	14657	15175	14882	1.78	cps
Molybdenum	97-1	1833	1873	2054	1920	6.10	cps
Molybdenum	98-1	4647	4641	4587	4625	0.71	cps
Neodymium	150-1	57266	58417	57533	57739	1.04	cps
Neodymium	150-2	33827	33810	34743	34127	1.56	cps
Nickel	60-2	109453	109439	109694	109529	0.13	cps
Phosphorus	31-2	24650	24139	24329	24373	1.06	cps
Potassium	39-2	1978458	1916803	1874652	1923304	2.71	cps
Rhodium	103-1	4191378	4224397	4130549	4182108	1.14	cps
Rhodium	103-2	2776268	2834237	2764109	2791538	1.34	cps
Scandium	45-1	2519829	2542910	2516116	2526285	0.57	cps
Scandium	45-2	287206	288582	289420	288403	0.39	cps
Selenium	82-1	264	316	250	277	12.57	cps
Selenium	77-2	87	117	127	110	18.92	cps
Selenium	78-2	433	380	397	403	6.76	cps
Silicon	28-1	8449008	8548772	8429304	8475695	0.76	cps
Silver	107-1	1513	1520	1520	1518	0.25	cps
Silver	109-1	1430	1430	1453	1438	0.94	cps
Sodium	23-2	435537	436667	436191	436132	0.13	cps
Strontium	86-1	706639	719275	719184	715033	1.02	cps
Strontium	88-1	6437826	6507777	6706645	6550749	2.13	cps
Sulfur	34-1	107326	109150	108320	108265	0.84	cps
Terbium	159-1	5713653	5729557	5841018	5761409	1.20	cps
Terbium	159-2	3822378	3791226	3810529	3808044	0.41	cps
Thallium	203-1	943	1050	937	977	6.51	cps
Thallium	205-1	2264	2217	2290	2257	1.65	cps
Tin	118-1	10667	10938	10694	10766	1.38	cps
Titanium	47-1	1128686	1149593	1144219	1140833	0.95	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-04	Instrumnet Name :	P7
Client Sample ID :	MYE493	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:53:47	DataFile Name :	103SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14405	13967	13871	14081	2.02	cps
Vanadium	51-2	391816	394381	389088	391762	0.68	cps
Yttrium	89-1	7926962	7893803	7994908	7938558	0.65	cps
Yttrium	89-2	2321307	2354677	2302576	2326187	1.13	cps
Zinc	66-2	78532	79434	79440	79135	0.66	cps
Zirconium	90-1	162950	165114	167519	165194	1.38	cps
Zirconium	91-1	36218	37054	37592	36954	1.87	cps

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Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-08	Instrumnet Name :	P7
Client Sample ID :	MYE495	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:56:58	DataFile Name :	104SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4520440	4504262	4530382	4518362	0.29	cps
Antimony	121-1	7972	8102	8269	8115	1.83	cps
Arsenic	75-2	19132	18802	19256	19063	1.23	cps
Barium	135-1	236459	248531	239712	241567	2.59	cps
Barium	137-1	414199	410115	414314	412876	0.58	cps
Beryllium	9-1	417	350	410	392	9.36	cps
Bismuth	209-1	3381305	3389297	3506093	3425565	2.04	cps
Bismuth	209-2	2540633	2571198	2550719	2554183	0.61	cps
Bromine	81-1	6425	6475	6932	6610	4.23	cps
Bromine	81-2	427	363	470	420	12.77	cps
Cadmium	108-1	97	130	70	99	30.40	cps
Cadmium	106-1	1223	1150	1130	1168	4.21	cps
Cadmium	111-1	1325	1257	1259	1281	3.04	cps
Calcium	43-1	286289	290015	300703	292336	2.56	cps
Calcium	44-1	4487857	4633879	4646765	4589501	1.92	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	217539	215995	215772	216435	0.44	cps
Cobalt	59-2	165017	163628	163326	163990	0.55	cps
Copper	63-2	369730	372134	369497	370453	0.39	cps
Dysprosium	156-1	21390	21810	21507	21569	1.01	cps
Dysprosium	156-2	17775	18142	18566	18161	2.18	cps
Erbium	164-1	19444	20492	20872	20269	3.65	cps
Erbium	164-2	13403	13377	13216	13332	0.76	cps
Gadolinium	160-1	21246	21209	21613	21356	1.05	cps
Gadolinium	160-2	15335	15168	15742	15415	1.92	cps
Holmium	165-1	5555092	5866581	5430191	5617288	4.00	cps
Holmium	165-2	3801105	3749196	3799142	3783148	0.78	cps
Indium	115-1	4477194	4756658	4390463	4541438	4.21	cps
Indium	115-2	1689854	1671117	1642858	1667943	1.42	cps
Iron	56-2	178071064	178623411	177062737	177919071	0.44	cps
Iron	57-2	4365835	4342543	4444913	4384430	1.22	cps
Iron	54-2	9948222	9863014	9746269	9852502	1.03	cps
Krypton	83-1	177	237	257	223	18.64	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-08	Instrumnet Name :	P7
Client Sample ID :	MYE495	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:56:58	DataFile Name :	104SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	72180	75766	73283	73743	2.49	cps
Lead	207-1	61910	60320	61706	61312	1.41	cps
Lead	208-1	279462	284177	290113	284584	1.88	cps
Lithium	6-1	464402	493075	474427	477301	3.05	cps
Magnesium	24-2	4853420	4861266	4841851	4852179	0.20	cps
Manganese	55-2	2609948	2624899	2584195	2606347	0.79	cps
Molybdenum	94-1	31828	32169	33685	32561	3.04	cps
Molybdenum	95-1	2334	2314	2207	2285	2.98	cps
Molybdenum	96-1	9370	9013	9236	9206	1.96	cps
Molybdenum	97-1	1530	1463	1497	1497	2.23	cps
Molybdenum	98-1	3854	3684	3547	3695	4.16	cps
Neodymium	150-1	37242	38145	39358	38248	2.78	cps
Neodymium	150-2	22067	22394	22354	22272	0.80	cps
Nickel	60-2	74792	74169	76142	75035	1.34	cps
Phosphorus	31-2	12465	12395	12462	12441	0.32	cps
Potassium	39-2	1666428	1637348	1669943	1657906	1.08	cps
Rhodium	103-1	4379776	4110618	4169025	4219806	3.36	cps
Rhodium	103-2	2828693	2774970	2808902	2804188	0.97	cps
Scandium	45-1	2533367	2645044	2551067	2576493	2.33	cps
Scandium	45-2	293892	291871	293424	293063	0.36	cps
Selenium	82-1	325	250	240	271	17.10	cps
Selenium	77-2	107	97	87	97	10.34	cps
Selenium	78-2	477	360	387	408	14.99	cps
Silicon	28-1	6625764	6570823	6428810	6541799	1.55	cps
Silver	107-1	1077	1063	1043	1061	1.58	cps
Silver	109-1	777	940	980	899	11.98	cps
Sodium	23-2	231550	232010	229580	231047	0.56	cps
Strontium	86-1	156439	154762	154555	155252	0.67	cps
Strontium	88-1	1320821	1350904	1388121	1353282	2.49	cps
Sulfur	34-1	104014	101128	100615	101919	1.80	cps
Terbium	159-1	5980906	5515030	5609460	5701799	4.32	cps
Terbium	159-2	3721301	3735083	3715443	3723942	0.27	cps
Thallium	203-1	633	600	657	630	4.52	cps
Thallium	205-1	1420	1590	1577	1529	6.18	cps
Tin	118-1	10832	9450	9783	10022	7.20	cps
Titanium	47-1	763022	764204	756633	761286	0.54	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-08	Instrumnet Name :	P7
Client Sample ID :	MYE495	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 17:56:58	DataFile Name :	104SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9577	9150	9273	9333	2.35	cps
Vanadium	51-2	472164	472008	467505	470559	0.56	cps
Yttrium	89-1	7823884	7861264	8071202	7918783	1.68	cps
Yttrium	89-2	2320916	2323019	2316025	2319986	0.15	cps
Zinc	66-2	62326	62688	62015	62343	0.54	cps
Zirconium	90-1	83519	86996	84203	84906	2.17	cps
Zirconium	91-1	19072	18702	18495	18756	1.56	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-09	Instrumnet Name :	P7
Client Sample ID :	MYE496	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:00:08	DataFile Name :	105SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6680609	6703052	6777733	6720465	0.76	cps
Antimony	121-1	7886	7789	7779	7818	0.75	cps
Arsenic	75-2	28471	28177	27903	28183	1.01	cps
Barium	135-1	713338	711588	722280	715735	0.80	cps
Barium	137-1	1218715	1238416	1241968	1233033	1.02	cps
Beryllium	9-1	897	873	850	873	2.67	cps
Bismuth	209-1	3429963	3525490	3456374	3470609	1.42	cps
Bismuth	209-2	2626366	2624793	2593467	2614875	0.71	cps
Bromine	81-1	7389	7989	8069	7815	4.76	cps
Bromine	81-2	803	690	663	719	10.34	cps
Cadmium	108-1	127	197	150	158	22.59	cps
Cadmium	106-1	1307	1350	1297	1318	2.15	cps
Cadmium	111-1	1653	1591	1626	1623	1.92	cps
Calcium	43-1	255687	261202	259871	258920	1.11	cps
Calcium	44-1	4074188	4091316	4092546	4086017	0.25	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	273302	271943	272794	272680	0.25	cps
Cobalt	59-2	189474	191817	190044	190445	0.64	cps
Copper	63-2	433100	431665	435912	433559	0.50	cps
Dysprosium	156-1	42049	43012	42036	42366	1.32	cps
Dysprosium	156-2	36471	36634	36644	36583	0.27	cps
Erbium	164-1	34105	35161	35275	34847	1.85	cps
Erbium	164-2	22976	23159	23416	23184	0.95	cps
Gadolinium	160-1	40308	40980	40896	40728	0.90	cps
Gadolinium	160-2	29715	29171	29214	29366	1.03	cps
Holmium	165-1	5603226	5609764	5603836	5605608	0.06	cps
Holmium	165-2	3786217	3823561	3752285	3787354	0.94	cps
Indium	115-1	4581127	4469905	4454172	4501735	1.54	cps
Indium	115-2	1702484	1685038	1635402	1674308	2.08	cps
Iron	56-2	208544017	205646264	207320517	207170266	0.70	cps
Iron	57-2	5087561	5128211	5084632	5100134	0.48	cps
Iron	54-2	11411287	11238771	11406494	11352184	0.87	cps
Krypton	83-1	203	207	240	217	9.36	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-09	Instrumnet Name :	P7
Client Sample ID :	MYE496	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:00:08	DataFile Name :	105SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	123202	123801	125944	124316	1.16	cps
Lead	207-1	102067	103450	103547	103021	0.80	cps
Lead	208-1	473999	480675	482032	478902	0.90	cps
Lithium	6-1	495828	487121	489784	490911	0.91	cps
Magnesium	24-2	4670053	4685513	4675766	4677111	0.17	cps
Manganese	55-2	4800439	4705596	4775784	4760606	1.03	cps
Molybdenum	94-1	45571	47835	47189	46865	2.49	cps
Molybdenum	95-1	5268	5351	5621	5413	3.41	cps
Molybdenum	96-1	14657	14851	14954	14821	1.02	cps
Molybdenum	97-1	3227	3420	3337	3328	2.91	cps
Molybdenum	98-1	8379	8543	8459	8460	0.97	cps
Neodymium	150-1	78316	79694	80257	79422	1.26	cps
Neodymium	150-2	46052	46710	45737	46166	1.08	cps
Nickel	60-2	87825	86739	87551	87372	0.65	cps
Phosphorus	31-2	17974	17684	17907	17855	0.85	cps
Potassium	39-2	3392714	3413918	3388395	3398342	0.40	cps
Rhodium	103-1	4218204	4192150	4158533	4189629	0.71	cps
Rhodium	103-2	2782725	2771689	2777338	2777251	0.20	cps
Scandium	45-1	2623407	2629951	2606310	2619889	0.47	cps
Scandium	45-2	296053	293605	294700	294786	0.42	cps
Selenium	82-1	345	323	266	311	13.04	cps
Selenium	77-2	157	173	153	161	6.65	cps
Selenium	78-2	463	410	437	437	6.11	cps
Silicon	28-1	8288464	8268973	8297277	8284905	0.17	cps
Silver	107-1	1647	1763	1637	1682	4.19	cps
Silver	109-1	1510	1337	1480	1442	6.42	cps
Sodium	23-2	154685	153965	154776	154476	0.29	cps
Strontium	86-1	172343	172826	172693	172621	0.14	cps
Strontium	88-1	1560448	1593994	1616635	1590359	1.78	cps
Sulfur	34-1	101263	98263	95935	98487	2.71	cps
Terbium	159-1	5851702	5748804	5834615	5811707	0.95	cps
Terbium	159-2	3786927	3852533	3751100	3796853	1.35	cps
Thallium	203-1	1707	1590	1650	1649	3.54	cps
Thallium	205-1	3944	4214	3927	4028	4.00	cps
Tin	118-1	10767	11168	10938	10958	1.83	cps
Titanium	47-1	697752	707099	706950	703934	0.76	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-09	Instrumnet Name :	P7
Client Sample ID :	MYE496	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:00:08	DataFile Name :	105SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18533	18980	18596	18703	1.29	cps
Vanadium	51-2	387431	384570	384900	385633	0.41	cps
Yttrium	89-1	8169927	8095345	8120890	8128721	0.47	cps
Yttrium	89-2	2380336	2388276	2375381	2381331	0.27	cps
Zinc	66-2	97039	97200	96848	97029	0.18	cps
Zirconium	90-1	116867	117909	119518	118098	1.13	cps
Zirconium	91-1	26400	26567	26210	26393	0.68	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-10	Instrumnet Name :	P7
Client Sample ID :	MYE497	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:03:19	DataFile Name :	106SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5432778	5415851	5329432	5392687	1.03	cps
Antimony	121-1	12462	12475	12429	12455	0.19	cps
Arsenic	75-2	20164	19797	19913	19958	0.94	cps
Barium	135-1	427705	432302	434008	431339	0.76	cps
Barium	137-1	741740	747385	742135	743753	0.42	cps
Beryllium	9-1	563	643	623	610	6.82	cps
Bismuth	209-1	3423990	3466572	3483221	3457928	0.88	cps
Bismuth	209-2	2607304	2594261	2580762	2594109	0.51	cps
Bromine	81-1	6051	6068	6011	6044	0.48	cps
Bromine	81-2	353	367	370	363	2.43	cps
Cadmium	108-1	153	183	200	179	13.22	cps
Cadmium	106-1	1337	1357	1357	1350	0.86	cps
Cadmium	111-1	1502	1525	1516	1514	0.77	cps
Calcium	43-1	363841	365564	367717	365707	0.53	cps
Calcium	44-1	5785976	5788259	5779776	5784670	0.08	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	224226	224702	223613	224181	0.24	cps
Cobalt	59-2	166644	166014	166773	166477	0.24	cps
Copper	63-2	395317	394807	399318	396481	0.62	cps
Dysprosium	156-1	30500	29845	30587	30310	1.34	cps
Dysprosium	156-2	25981	27056	27056	26698	2.33	cps
Erbium	164-1	24685	24568	24685	24646	0.27	cps
Erbium	164-2	16163	16296	17151	16537	3.24	cps
Gadolinium	160-1	28923	28840	29311	29025	0.87	cps
Gadolinium	160-2	20912	20375	20188	20492	1.84	cps
Holmium	165-1	5449845	5619791	5623814	5564483	1.78	cps
Holmium	165-2	3807949	3785207	3689930	3761028	1.66	cps
Indium	115-1	4441889	4474748	4501403	4472680	0.67	cps
Indium	115-2	1656194	1661971	1634543	1650903	0.88	cps
Iron	56-2	180997024	180112157	181598171	180902451	0.41	cps
Iron	57-2	4506172	4426864	4422985	4452007	1.05	cps
Iron	54-2	10009530	9979728	9987654	9992304	0.15	cps
Krypton	83-1	213	243	233	230	6.64	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-10	Instrumnet Name :	P7
Client Sample ID :	MYE497	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:03:19	DataFile Name :	106SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	94704	96026	96889	95873	1.15	cps
Lead	207-1	81177	81677	81305	81386	0.32	cps
Lead	208-1	370258	372565	372652	371825	0.37	cps
Lithium	6-1	479612	487716	473250	480193	1.51	cps
Magnesium	24-2	5347536	5364167	5358298	5356667	0.16	cps
Manganese	55-2	2966771	2977635	2947146	2963851	0.52	cps
Molybdenum	94-1	72957	74116	74394	73823	1.03	cps
Molybdenum	95-1	3094	3050	2914	3019	3.11	cps
Molybdenum	96-1	16483	16680	16776	16646	0.90	cps
Molybdenum	97-1	1857	1880	1887	1875	0.84	cps
Molybdenum	98-1	4441	4858	4761	4686	4.65	cps
Neodymium	150-1	59113	60887	60355	60118	1.51	cps
Neodymium	150-2	34893	34960	35064	34972	0.25	cps
Nickel	60-2	109084	110125	109647	109619	0.48	cps
Phosphorus	31-2	20631	20541	20984	20719	1.13	cps
Potassium	39-2	1611887	1580985	1621253	1604708	1.31	cps
Rhodium	103-1	4156375	4234942	4185325	4192214	0.95	cps
Rhodium	103-2	2825271	2813551	2742827	2793883	1.60	cps
Scandium	45-1	2479959	2552258	2523109	2518442	1.44	cps
Scandium	45-2	286591	289576	286041	287403	0.66	cps
Selenium	82-1	261	239	320	273	15.23	cps
Selenium	77-2	157	107	117	127	20.89	cps
Selenium	78-2	403	450	377	410	9.05	cps
Silicon	28-1	7994734	8065393	8070046	8043391	0.52	cps
Silver	107-1	1573	1663	1637	1625	2.85	cps
Silver	109-1	1350	1523	1407	1427	6.20	cps
Sodium	23-2	567194	571965	572289	570483	0.50	cps
Strontium	86-1	702793	716091	712673	710519	0.97	cps
Strontium	88-1	6512323	6532772	6512088	6519061	0.18	cps
Sulfur	34-1	98729	99290	100904	99641	1.13	cps
Terbium	159-1	5789456	5830578	5736524	5785519	0.81	cps
Terbium	159-2	3808652	3803431	3714691	3775591	1.40	cps
Thallium	203-1	817	833	933	861	7.33	cps
Thallium	205-1	2017	2060	2020	2032	1.19	cps
Tin	118-1	27263	27516	27864	27547	1.10	cps
Titanium	47-1	1141872	1158477	1158140	1152829	0.82	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-10	Instrumnet Name :	P7
Client Sample ID :	MYE497	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:03:19	DataFile Name :	106SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15482	15519	15422	15475	0.32	cps
Vanadium	51-2	398526	398955	400154	399211	0.21	cps
Yttrium	89-1	7824732	7940248	7990816	7918599	1.08	cps
Yttrium	89-2	2353438	2356046	2289649	2333044	1.61	cps
Zinc	66-2	71527	70944	70998	71156	0.45	cps
Zirconium	90-1	194815	196873	198014	196568	0.82	cps
Zirconium	91-1	43966	44354	42832	43718	1.81	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-11	Instrumnet Name :	P7
Client Sample ID :	MYE498	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:06:28	DataFile Name :	107SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4663103	4694969	4647333	4668468	0.52	cps
Antimony	121-1	6565	6488	6792	6615	2.39	cps
Arsenic	75-2	18508	18785	18371	18555	1.14	cps
Barium	135-1	400269	410565	410291	407042	1.44	cps
Barium	137-1	700446	709237	707686	705790	0.66	cps
Beryllium	9-1	537	533	463	511	8.10	cps
Bismuth	209-1	3504345	3475479	3398704	3459509	1.58	cps
Bismuth	209-2	2591510	2562415	2642063	2598663	1.55	cps
Bromine	81-1	5945	5708	5351	5668	5.27	cps
Bromine	81-2	330	180	240	250	30.20	cps
Cadmium	108-1	153	137	130	140	8.59	cps
Cadmium	106-1	1373	1293	1297	1321	3.43	cps
Cadmium	111-1	1444	1416	1397	1419	1.68	cps
Calcium	43-1	702689	723128	721305	715708	1.58	cps
Calcium	44-1	11258053	11516961	11516489	11430501	1.31	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	222011	219786	223564	221787	0.86	cps
Cobalt	59-2	169062	168154	168740	168652	0.27	cps
Copper	63-2	354363	358126	357420	356636	0.56	cps
Dysprosium	156-1	27086	27500	28516	27701	2.66	cps
Dysprosium	156-2	22562	23443	23763	23256	2.68	cps
Erbium	164-1	23510	24789	24501	24267	2.77	cps
Erbium	164-2	16610	16313	16396	16440	0.93	cps
Gadolinium	160-1	26575	27377	26542	26831	1.76	cps
Gadolinium	160-2	19183	19010	18940	19044	0.66	cps
Holmium	165-1	5619239	5661253	5590949	5623814	0.63	cps
Holmium	165-2	3750626	3766868	3777753	3765082	0.36	cps
Indium	115-1	4587944	4589962	4437865	4538590	1.92	cps
Indium	115-2	1700886	1648191	1672210	1673763	1.58	cps
Iron	56-2	187528444	186095491	187521464	187048466	0.44	cps
Iron	57-2	4665216	4598452	4592947	4618872	0.87	cps
Iron	54-2	10319891	10280489	10325048	10308476	0.24	cps
Krypton	83-1	197	207	167	190	10.96	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-11	Instrumnet Name :	P7
Client Sample ID :	MYE498	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:06:28	DataFile Name :	107SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	87315	88707	88442	88154	0.84	cps
Lead	207-1	73246	73273	74174	73564	0.72	cps
Lead	208-1	333998	338938	340060	337666	0.96	cps
Lithium	6-1	490432	483383	475897	483238	1.50	cps
Magnesium	24-2	5537175	5513192	5464991	5505119	0.67	cps
Manganese	55-2	2885454	2888534	2887900	2887296	0.06	cps
Molybdenum	94-1	48069	49868	50019	49318	2.20	cps
Molybdenum	95-1	3074	2897	3100	3024	3.66	cps
Molybdenum	96-1	12786	12899	12659	12781	0.94	cps
Molybdenum	97-1	1790	1873	2107	1923	8.53	cps
Molybdenum	98-1	4771	4701	4901	4791	2.12	cps
Neodymium	150-1	49339	50942	50734	50338	1.73	cps
Neodymium	150-2	29157	29311	29260	29243	0.27	cps
Nickel	60-2	84741	85308	86364	85471	0.96	cps
Phosphorus	31-2	15845	16632	16546	16341	2.64	cps
Potassium	39-2	1593199	1592935	1582496	1589543	0.38	cps
Rhodium	103-1	4239697	4261558	4125847	4209034	1.73	cps
Rhodium	103-2	2804937	2806761	2782444	2798047	0.48	cps
Scandium	45-1	2549875	2546190	2553099	2549721	0.14	cps
Scandium	45-2	291675	289691	289652	290339	0.40	cps
Selenium	82-1	354	319	354	343	5.88	cps
Selenium	77-2	120	70	60	83	38.57	cps
Selenium	78-2	377	357	373	369	2.91	cps
Silicon	28-1	7593721	7673099	7779302	7682041	1.21	cps
Silver	107-1	1050	1110	1097	1086	2.90	cps
Silver	109-1	853	960	963	926	6.76	cps
Sodium	23-2	347042	348731	352110	349294	0.74	cps
Strontium	86-1	302444	307904	308031	306126	1.04	cps
Strontium	88-1	2757676	2833264	2842557	2811166	1.66	cps
Sulfur	34-1	111100	114367	114411	113293	1.68	cps
Terbium	159-1	5847533	5741424	5779598	5789519	0.93	cps
Terbium	159-2	3799019	3710448	3776900	3762122	1.23	cps
Thallium	203-1	800	867	903	857	6.12	cps
Thallium	205-1	1950	2040	2020	2004	2.36	cps
Tin	118-1	10384	10040	10421	10282	2.04	cps
Titanium	47-1	985560	1011586	1009096	1002081	1.43	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-11	Instrumnet Name :	P7
Client Sample ID :	MYE498	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:06:28	DataFile Name :	107SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14058	13407	13544	13669	2.51	cps
Vanadium	51-2	462429	458634	461416	460827	0.43	cps
Yttrium	89-1	7953045	7917490	7864508	7911681	0.56	cps
Yttrium	89-2	2352444	2331610	2369805	2351286	0.81	cps
Zinc	66-2	72411	72482	72394	72429	0.06	cps
Zirconium	90-1	126721	129347	130115	128728	1.38	cps
Zirconium	91-1	28194	28722	29456	28791	2.20	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-12	Instrumnet Name :	P7
Client Sample ID :	MYE499	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:09:40	DataFile Name :	108SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6929478	6880399	6836794	6882224	0.67	cps
Antimony	121-1	11865	12526	11698	12030	3.64	cps
Arsenic	75-2	38079	37210	37892	37727	1.21	cps
Barium	135-1	644203	659558	658674	654145	1.32	cps
Barium	137-1	1110745	1139236	1132679	1127553	1.32	cps
Beryllium	9-1	900	820	863	861	4.65	cps
Bismuth	209-1	3531838	3455874	3429422	3472378	1.53	cps
Bismuth	209-2	2596929	2604222	2542770	2581307	1.30	cps
Bromine	81-1	7589	7652	7926	7722	2.32	cps
Bromine	81-2	670	707	627	668	6.00	cps
Cadmium	108-1	287	270	297	284	4.73	cps
Cadmium	106-1	1570	1530	1460	1520	3.66	cps
Cadmium	111-1	3669	3592	3541	3601	1.78	cps
Calcium	43-1	492139	500382	501430	497984	1.02	cps
Calcium	44-1	7706368	7949890	8066694	7907651	2.32	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	273459	273663	273419	273514	0.05	cps
Cobalt	59-2	188057	186761	186782	187200	0.40	cps
Copper	63-2	1097039	1081069	1089380	1089163	0.73	cps
Dysprosium	156-1	42972	44677	44089	43913	1.97	cps
Dysprosium	156-2	37593	37463	38035	37697	0.79	cps
Erbium	164-1	35812	36799	36544	36385	1.41	cps
Erbium	164-2	23670	23810	23784	23755	0.31	cps
Gadolinium	160-1	41839	42177	42915	42310	1.30	cps
Gadolinium	160-2	30142	30316	30336	30265	0.35	cps
Holmium	165-1	5639865	5609841	5517804	5589170	1.14	cps
Holmium	165-2	3868454	3847142	3792355	3835984	1.02	cps
Indium	115-1	4579627	4567417	4499381	4548809	0.95	cps
Indium	115-2	1682589	1677168	1629435	1663064	1.76	cps
Iron	56-2	215049410	210627090	212463677	212713392	1.04	cps
Iron	57-2	5312388	5280539	5271323	5288083	0.41	cps
Iron	54-2	11714983	11768259	11756241	11746494	0.24	cps
Krypton	83-1	213	227	217	219	3.17	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-12	Instrumnet Name :	P7
Client Sample ID :	MYE499	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:09:40	DataFile Name :	108SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	281891	285431	285364	284229	0.71	cps
Lead	207-1	243104	243720	245958	244261	0.61	cps
Lead	208-1	1110011	1119217	1122495	1117241	0.58	cps
Lithium	6-1	481419	471384	478082	476962	1.07	cps
Magnesium	24-2	5155334	5212995	5240309	5202879	0.83	cps
Manganese	55-2	4520522	4502491	4542345	4521786	0.44	cps
Molybdenum	94-1	40082	41175	40850	40702	1.38	cps
Molybdenum	95-1	4801	5114	5034	4983	3.27	cps
Molybdenum	96-1	13099	13189	13553	13281	1.81	cps
Molybdenum	97-1	2957	3277	3250	3161	5.62	cps
Molybdenum	98-1	7619	7999	8026	7881	2.89	cps
Neodymium	150-1	82178	85044	84940	84054	1.93	cps
Neodymium	150-2	50028	47851	47276	48385	3.00	cps
Nickel	60-2	90310	89683	89639	89877	0.42	cps
Phosphorus	31-2	22917	24026	24072	23672	2.76	cps
Potassium	39-2	4213291	4174069	4185622	4190994	0.48	cps
Rhodium	103-1	4219555	4234644	4111793	4188664	1.60	cps
Rhodium	103-2	2830535	2824762	2723668	2792989	2.15	cps
Scandium	45-1	2562796	2590025	2604320	2585714	0.82	cps
Scandium	45-2	297718	299982	299593	299098	0.40	cps
Selenium	82-1	389	380	381	383	1.36	cps
Selenium	77-2	167	173	173	171	2.25	cps
Selenium	78-2	540	500	417	486	12.96	cps
Silicon	28-1	7885145	8236456	8013612	8045071	2.21	cps
Silver	107-1	5708	5808	5778	5765	0.89	cps
Silver	109-1	5261	5198	5534	5331	3.36	cps
Sodium	23-2	169030	170153	168903	169362	0.41	cps
Strontium	86-1	236189	237857	238041	237362	0.43	cps
Strontium	88-1	2131598	2212690	2226864	2190384	2.35	cps
Sulfur	34-1	112802	110244	106870	109972	2.71	cps
Terbium	159-1	5818429	5676794	5675968	5723730	1.43	cps
Terbium	159-2	3683090	3788447	3805009	3758849	1.76	cps
Thallium	203-1	2007	1850	1710	1856	8.00	cps
Thallium	205-1	4351	4327	4281	4320	0.83	cps
Tin	118-1	13036	13807	13300	13381	2.93	cps
Titanium	47-1	726544	740230	740668	735814	1.09	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-12	Instrumnet Name :	P7
Client Sample ID :	MYE499	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:09:40	DataFile Name :	108SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16076	16187	15936	16066	0.78	cps
Vanadium	51-2	416228	413591	414657	414826	0.32	cps
Yttrium	89-1	8200313	8181892	8092655	8158287	0.71	cps
Yttrium	89-2	2400567	2371696	2368110	2380125	0.75	cps
Zinc	66-2	147958	148958	149685	148867	0.58	cps
Zirconium	90-1	100254	105089	103968	103104	2.45	cps
Zirconium	91-1	22788	23249	22721	22919	1.25	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-13	Instrumnet Name :	P7
Client Sample ID :	MYE4A0	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:12:49	DataFile Name :	109SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5341306	5252585	5203506	5265799	1.33	cps
Antimony	121-1	11578	12062	11825	11822	2.05	cps
Arsenic	75-2	35636	35656	35429	35574	0.35	cps
Barium	135-1	545627	560147	557611	554461	1.40	cps
Barium	137-1	937870	957142	950483	948498	1.03	cps
Beryllium	9-1	767	703	700	723	5.19	cps
Bismuth	209-1	3477997	3424885	3447716	3450199	0.77	cps
Bismuth	209-2	2647937	2660234	2678796	2662322	0.58	cps
Bromine	81-1	7372	7549	7572	7498	1.46	cps
Bromine	81-2	650	520	627	599	11.57	cps
Cadmium	108-1	177	217	193	196	10.27	cps
Cadmium	106-1	1377	1290	1397	1355	4.19	cps
Cadmium	111-1	2587	2732	2743	2687	3.23	cps
Calcium	43-1	290872	299403	298538	296271	1.58	cps
Calcium	44-1	4594368	4666028	4707173	4655856	1.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	214714	215096	215687	215165	0.23	cps
Cobalt	59-2	159852	159892	158316	159353	0.56	cps
Copper	63-2	735863	733779	730773	733472	0.35	cps
Dysprosium	156-1	33697	34716	34800	34404	1.78	cps
Dysprosium	156-2	30082	29050	30216	29783	2.14	cps
Erbium	164-1	28466	28072	28479	28339	0.82	cps
Erbium	164-2	18766	18492	18870	18709	1.04	cps
Gadolinium	160-1	32575	33457	32915	32982	1.35	cps
Gadolinium	160-2	23540	23396	23390	23442	0.36	cps
Holmium	165-1	5702563	5674007	5700275	5692282	0.28	cps
Holmium	165-2	3811818	3767535	3769174	3782843	0.66	cps
Indium	115-1	4510206	4544707	4435616	4496843	1.24	cps
Indium	115-2	1664967	1655957	1638744	1653223	0.81	cps
Iron	56-2	186249771	185688371	184420171	185452771	0.51	cps
Iron	57-2	4606272	4596167	4515127	4572522	1.09	cps
Iron	54-2	10238927	10245666	10249226	10244606	0.05	cps
Krypton	83-1	197	240	190	209	13.00	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-13	Instrumnet Name :	P7
Client Sample ID :	MYE4A0	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:12:49	DataFile Name :	109SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	220225	224139	223321	222562	0.93	cps
Lead	207-1	189237	193435	192137	191603	1.12	cps
Lead	208-1	865780	875756	877141	872892	0.71	cps
Lithium	6-1	485657	483922	478842	482807	0.73	cps
Magnesium	24-2	4184994	4080109	4119200	4128101	1.28	cps
Manganese	55-2	4230174	4216120	4155853	4200716	0.94	cps
Molybdenum	94-1	36970	37809	37080	37286	1.22	cps
Molybdenum	95-1	4211	4411	4381	4334	2.49	cps
Molybdenum	96-1	11658	12042	11992	11897	1.75	cps
Molybdenum	97-1	2537	2634	2540	2570	2.14	cps
Molybdenum	98-1	6552	6658	6708	6639	1.21	cps
Neodymium	150-1	64530	65816	64758	65035	1.06	cps
Neodymium	150-2	39020	37236	38312	38189	2.35	cps
Nickel	60-2	76333	76923	76554	76603	0.39	cps
Phosphorus	31-2	19643	19102	19316	19353	1.41	cps
Potassium	39-2	3745080	3702969	3744041	3730697	0.64	cps
Rhodium	103-1	4259838	4215888	4198045	4224590	0.75	cps
Rhodium	103-2	2768548	2807410	2766741	2780900	0.83	cps
Scandium	45-1	2593375	2575143	2541985	2570168	1.01	cps
Scandium	45-2	292238	291799	289245	291094	0.56	cps
Selenium	82-1	343	281	306	310	10.03	cps
Selenium	77-2	103	150	157	137	21.27	cps
Selenium	78-2	400	460	497	452	10.79	cps
Silicon	28-1	7630903	7820658	7909396	7786986	1.83	cps
Silver	107-1	3620	3804	3887	3771	3.62	cps
Silver	109-1	3444	3390	3660	3498	4.09	cps
Sodium	23-2	138271	138793	138695	138586	0.20	cps
Strontium	86-1	175725	180370	180223	178773	1.48	cps
Strontium	88-1	1612339	1654329	1670489	1645719	1.82	cps
Sulfur	34-1	103638	104188	102078	103301	1.06	cps
Terbium	159-1	5853974	5818936	5829770	5834227	0.31	cps
Terbium	159-2	3753841	3848891	3812332	3805021	1.26	cps
Thallium	203-1	1370	1457	1500	1442	4.59	cps
Thallium	205-1	3601	3447	3504	3517	2.20	cps
Tin	118-1	11972	12772	12722	12489	3.59	cps
Titanium	47-1	645303	670577	662715	659532	1.96	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-13	Instrumnet Name :	P7
Client Sample ID :	MYE4A0	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:12:49	DataFile Name :	109SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13350	13390	13157	13299	0.94	cps
Vanadium	51-2	383271	379500	379174	380648	0.60	cps
Yttrium	89-1	8096666	7991452	8056236	8048118	0.66	cps
Yttrium	89-2	2337283	2359714	2367328	2354775	0.66	cps
Zinc	66-2	111693	112439	110556	111563	0.85	cps
Zirconium	90-1	90550	95109	97658	94439	3.81	cps
Zirconium	91-1	20064	21205	20982	20750	2.92	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-14	Instrumnet Name :	P7
Client Sample ID :	MYE4A1	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:16:00	DataFile Name :	110SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4959975	5006235	4971060	4979090	0.49	cps
Antimony	121-1	7152	7385	7682	7406	3.59	cps
Arsenic	75-2	20845	20631	20765	20747	0.52	cps
Barium	135-1	483999	490539	492672	489070	0.92	cps
Barium	137-1	832589	846279	850748	843205	1.12	cps
Beryllium	9-1	610	667	583	620	6.86	cps
Bismuth	209-1	3460786	3419682	3389858	3423442	1.04	cps
Bismuth	209-2	2598024	2557167	2620605	2591932	1.24	cps
Bromine	81-1	6618	6738	6785	6714	1.28	cps
Bromine	81-2	507	463	380	450	14.31	cps
Cadmium	108-1	177	197	127	167	21.63	cps
Cadmium	106-1	1357	1267	1397	1340	4.97	cps
Cadmium	111-1	1673	1629	1709	1670	2.40	cps
Calcium	43-1	611832	621105	621702	618213	0.90	cps
Calcium	44-1	9630555	9800270	9929542	9786789	1.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	211708	208967	212532	211069	0.88	cps
Cobalt	59-2	159081	158801	159043	158975	0.10	cps
Copper	63-2	374710	375985	375250	375315	0.17	cps
Dysprosium	156-1	28699	28616	29090	28802	0.88	cps
Dysprosium	156-2	24989	24989	24989	24989	0.00	cps
Erbium	164-1	23426	23904	24194	23842	1.63	cps
Erbium	164-2	15746	16043	16183	15990	1.40	cps
Gadolinium	160-1	27076	27714	28105	27632	1.88	cps
Gadolinium	160-2	19404	19410	19701	19505	0.87	cps
Holmium	165-1	5563308	5619525	5615941	5599591	0.56	cps
Holmium	165-2	3692617	3723881	3819482	3745327	1.76	cps
Indium	115-1	4500845	4475221	4465106	4480391	0.41	cps
Indium	115-2	1685379	1672193	1645835	1667802	1.21	cps
Iron	56-2	172076467	171769431	171060984	171635627	0.30	cps
Iron	57-2	4286236	4215577	4317226	4273013	1.22	cps
Iron	54-2	9509783	9577663	9514301	9533916	0.40	cps
Krypton	83-1	183	187	193	188	2.71	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-14	Instrumnet Name :	P7
Client Sample ID :	MYE4A1	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:16:00	DataFile Name :	110SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	93720	96026	96218	95321	1.46	cps
Lead	207-1	80835	80906	81362	81034	0.35	cps
Lead	208-1	366669	373132	372897	370899	0.99	cps
Lithium	6-1	474261	480550	479981	478264	0.73	cps
Magnesium	24-2	5875057	5766099	5850749	5830635	0.98	cps
Manganese	55-2	3011499	2965393	2970733	2982542	0.85	cps
Molybdenum	94-1	48503	48962	50065	49177	1.63	cps
Molybdenum	95-1	3460	3394	3334	3396	1.87	cps
Molybdenum	96-1	12796	13133	12699	12876	1.77	cps
Molybdenum	97-1	2067	2244	2124	2145	4.21	cps
Molybdenum	98-1	4974	5284	5451	5237	4.62	cps
Neodymium	150-1	54535	54729	55017	54760	0.44	cps
Neodymium	150-2	32036	32548	32855	32480	1.27	cps
Nickel	60-2	96159	97229	97156	96848	0.62	cps
Phosphorus	31-2	22243	22370	22493	22369	0.56	cps
Potassium	39-2	1948022	1970616	1987352	1968663	1.00	cps
Rhodium	103-1	4198220	4141901	4195483	4178535	0.76	cps
Rhodium	103-2	2745459	2774215	2764337	2761337	0.53	cps
Scandium	45-1	2500700	2529499	2538706	2522968	0.79	cps
Scandium	45-2	286032	284205	287659	285965	0.60	cps
Selenium	82-1	311	307	367	328	10.27	cps
Selenium	77-2	130	123	137	130	5.13	cps
Selenium	78-2	417	383	377	392	5.46	cps
Silicon	28-1	7793381	7971829	8110749	7958653	2.00	cps
Silver	107-1	1377	1513	1343	1411	6.38	cps
Silver	109-1	1143	1420	1337	1300	10.92	cps
Sodium	23-2	359642	360817	361194	360551	0.22	cps
Strontium	86-1	484393	493228	496953	491525	1.31	cps
Strontium	88-1	4537050	4621865	4624364	4594426	1.08	cps
Sulfur	34-1	110955	113739	114488	113061	1.65	cps
Terbium	159-1	5687816	5664138	5716207	5689387	0.46	cps
Terbium	159-2	3691765	3674039	3721338	3695714	0.65	cps
Thallium	203-1	890	887	980	919	5.76	cps
Thallium	205-1	2274	2067	2134	2158	4.89	cps
Tin	118-1	10471	11475	10684	10876	4.86	cps
Titanium	47-1	961245	982567	985153	976322	1.34	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-14	Instrumnet Name :	P7
Client Sample ID :	MYE4A1	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:16:00	DataFile Name :	110SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	12569	12439	12456	12488	0.57	cps
Vanadium	51-2	383712	381169	383049	382644	0.34	cps
Yttrium	89-1	7952751	7937167	7986350	7958756	0.32	cps
Yttrium	89-2	2281985	2276248	2325187	2294473	1.17	cps
Zinc	66-2	77604	76759	78502	77622	1.12	cps
Zirconium	90-1	126332	130410	131218	129320	2.03	cps
Zirconium	91-1	27503	28501	29062	28355	2.79	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-15	Instrumnet Name :	P7
Client Sample ID :	MYE4A2	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:19:09	DataFile Name :	111SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5445130	5339059	5329023	5371071	1.20	cps
Antimony	121-1	9270	9426	9243	9313	1.06	cps
Arsenic	75-2	29035	29322	29603	29320	0.97	cps
Barium	135-1	525205	519198	542785	529062	2.32	cps
Barium	137-1	901122	933072	905487	913227	1.90	cps
Beryllium	9-1	753	710	720	728	3.12	cps
Bismuth	209-1	3469610	3426862	3547156	3481209	1.75	cps
Bismuth	209-2	2563281	2647294	2617462	2609346	1.63	cps
Bromine	81-1	7325	7292	7785	7468	3.69	cps
Bromine	81-2	610	707	657	658	7.35	cps
Cadmium	108-1	170	170	190	177	6.54	cps
Cadmium	106-1	1327	1437	1273	1346	6.19	cps
Cadmium	111-1	2623	2790	2752	2722	3.21	cps
Calcium	43-1	198610	200922	202851	200794	1.06	cps
Calcium	44-1	3153753	3173353	3323346	3216818	2.88	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	218112	216008	218213	217444	0.57	cps
Cobalt	59-2	152496	153298	154022	153272	0.50	cps
Copper	63-2	759159	754928	759549	757878	0.34	cps
Dysprosium	156-1	34910	34372	34466	34583	0.83	cps
Dysprosium	156-2	29214	28562	29197	28991	1.28	cps
Erbium	164-1	27193	28245	28670	28036	2.71	cps
Erbium	164-2	18833	18923	19110	18955	0.75	cps
Gadolinium	160-1	32260	33771	32839	32957	2.31	cps
Gadolinium	160-2	23273	23807	23593	23558	1.14	cps
Holmium	165-1	5672710	5488562	5771819	5644364	2.55	cps
Holmium	165-2	3839727	3812085	3791478	3814430	0.63	cps
Indium	115-1	4578163	4382479	4599358	4520000	2.65	cps
Indium	115-2	1662822	1662114	1618052	1647663	1.56	cps
Iron	56-2	165226751	163799201	164916774	164647575	0.46	cps
Iron	57-2	4089256	4094132	4107841	4097076	0.24	cps
Iron	54-2	9127678	9162485	9133672	9141279	0.20	cps
Krypton	83-1	223	207	253	228	10.38	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-15	Instrumnet Name :	P7
Client Sample ID :	MYE4A2	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:19:09	DataFile Name :	111SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	208328	208951	218157	211812	2.60	cps
Lead	207-1	181832	187762	177192	182262	2.91	cps
Lead	208-1	813570	824947	828034	822184	0.93	cps
Lithium	6-1	464912	473642	503331	480629	4.19	cps
Magnesium	24-2	3827266	3790192	3838848	3818769	0.67	cps
Manganese	55-2	3475531	3473673	3526914	3492039	0.87	cps
Molybdenum	94-1	32596	33528	34390	33505	2.68	cps
Molybdenum	95-1	4261	4144	4414	4273	3.17	cps
Molybdenum	96-1	10988	11461	11234	11228	2.11	cps
Molybdenum	97-1	2537	2974	2644	2718	8.38	cps
Molybdenum	98-1	6992	6898	6888	6926	0.82	cps
Neodymium	150-1	62109	62464	63602	62725	1.24	cps
Neodymium	150-2	38004	37941	37052	37666	1.41	cps
Nickel	60-2	70642	69879	70491	70337	0.57	cps
Phosphorus	31-2	15715	16292	15935	15981	1.82	cps
Potassium	39-2	3475909	3443746	3462939	3460865	0.47	cps
Rhodium	103-1	4313157	4268628	4076107	4219298	2.99	cps
Rhodium	103-2	2808533	2821376	2782690	2804200	0.70	cps
Scandium	45-1	2548306	2520348	2594972	2554542	1.48	cps
Scandium	45-2	290980	287406	285626	288004	0.95	cps
Selenium	82-1	343	392	282	339	16.19	cps
Selenium	77-2	143	120	120	128	10.55	cps
Selenium	78-2	457	403	433	431	6.20	cps
Silicon	28-1	8345539	7976789	8110922	8144417	2.29	cps
Silver	107-1	3914	4081	4037	4011	2.16	cps
Silver	109-1	3580	3827	3777	3728	3.50	cps
Sodium	23-2	136310	136768	134491	135856	0.89	cps
Strontium	86-1	138937	141385	137175	139166	1.52	cps
Strontium	88-1	1182970	1205527	1205585	1198027	1.09	cps
Sulfur	34-1	101759	100729	98364	100284	1.74	cps
Terbium	159-1	5845637	6086452	5633682	5855257	3.87	cps
Terbium	159-2	3743101	3733712	3737693	3738169	0.13	cps
Thallium	203-1	1577	1480	1413	1490	5.51	cps
Thallium	205-1	3250	3404	3304	3319	2.35	cps
Tin	118-1	11565	11779	11024	11456	3.39	cps
Titanium	47-1	659621	656834	660414	658956	0.29	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-15	Instrumnet Name :	P7
Client Sample ID :	MYE4A2	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:19:09	DataFile Name :	111SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13761	14024	13567	13784	1.66	cps
Vanadium	51-2	321704	319310	322282	321099	0.49	cps
Yttrium	89-1	7887772	7955751	7961913	7935145	0.52	cps
Yttrium	89-2	2328529	2300033	2343999	2324187	0.96	cps
Zinc	66-2	108987	109612	109122	109240	0.30	cps
Zirconium	90-1	83995	85811	88495	86100	2.63	cps
Zirconium	91-1	19573	19680	18285	19179	4.05	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-16	Instrumnet Name :	P7
Client Sample ID :	MYE4A3	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:22:21	DataFile Name :	112SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3398454	3353841	3398277	3383524	0.76	cps
Antimony	121-1	5334	5471	5634	5480	2.74	cps
Arsenic	75-2	15562	15592	15949	15701	1.37	cps
Barium	135-1	354823	354961	357763	355849	0.47	cps
Barium	137-1	609523	615499	616288	613770	0.60	cps
Beryllium	9-1	407	480	577	488	17.48	cps
Bismuth	209-1	3553441	3475437	3438871	3489250	1.68	cps
Bismuth	209-2	2599585	2555464	2549854	2568301	1.06	cps
Bromine	81-1	6158	6265	6335	6252	1.42	cps
Bromine	81-2	337	367	390	364	7.34	cps
Cadmium	108-1	90	103	80	91	12.85	cps
Cadmium	106-1	1283	1173	1237	1231	4.48	cps
Cadmium	111-1	1455	1429	1483	1456	1.86	cps
Calcium	43-1	575613	587666	588090	583790	1.21	cps
Calcium	44-1	9207336	9285102	9354614	9282351	0.79	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	177069	176574	177373	177005	0.23	cps
Cobalt	59-2	110318	109432	109516	109755	0.45	cps
Copper	63-2	266726	265148	264670	265515	0.41	cps
Dysprosium	156-1	21487	22134	22104	21908	1.67	cps
Dysprosium	156-2	18699	19056	18779	18845	0.99	cps
Erbium	164-1	18232	18426	18032	18230	1.08	cps
Erbium	164-2	12436	12052	12165	12218	1.61	cps
Gadolinium	160-1	20762	20639	20765	20722	0.35	cps
Gadolinium	160-2	15215	14931	14675	14940	1.81	cps
Holmium	165-1	5596687	5649015	5503679	5583127	1.32	cps
Holmium	165-2	3773978	3733107	3731716	3746267	0.64	cps
Indium	115-1	4413212	4414589	4431397	4419733	0.23	cps
Indium	115-2	1662225	1632353	1605325	1633301	1.74	cps
Iron	56-2	130000941	130751775	129601385	130118034	0.45	cps
Iron	57-2	3253323	3229540	3186497	3223120	1.05	cps
Iron	54-2	7190439	7138122	7212164	7180242	0.53	cps
Krypton	83-1	180	260	160	200	26.46	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-16	Instrumnet Name :	P7
Client Sample ID :	MYE4A3	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:22:21	DataFile Name :	112SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	78237	78237	77744	78073	0.36	cps
Lead	207-1	64804	65811	65015	65210	0.82	cps
Lead	208-1	299477	301594	300827	300633	0.36	cps
Lithium	6-1	486609	484086	472146	480947	1.61	cps
Magnesium	24-2	4939579	4930274	4869113	4912989	0.78	cps
Manganese	55-2	2158314	2153439	2103200	2138318	1.43	cps
Molybdenum	94-1	29376	30054	30131	29854	1.39	cps
Molybdenum	95-1	2867	2944	2837	2883	1.91	cps
Molybdenum	96-1	8603	9043	9226	8957	3.58	cps
Molybdenum	97-1	1660	1587	1683	1643	3.07	cps
Molybdenum	98-1	4291	4377	4454	4374	1.87	cps
Neodymium	150-1	40943	41778	41578	41433	1.05	cps
Neodymium	150-2	24545	24775	24268	24529	1.04	cps
Nickel	60-2	71268	71520	70980	71256	0.38	cps
Phosphorus	31-2	16733	16579	16756	16689	0.58	cps
Potassium	39-2	1577975	1542130	1530157	1550087	1.61	cps
Rhodium	103-1	4218151	4235959	4152761	4202291	1.04	cps
Rhodium	103-2	2770619	2780321	2766513	2772484	0.26	cps
Scandium	45-1	2476848	2447167	2432970	2452329	0.91	cps
Scandium	45-2	280801	278534	277325	278887	0.63	cps
Selenium	82-1	308	218	335	287	21.39	cps
Selenium	77-2	67	80	90	79	14.84	cps
Selenium	78-2	393	397	317	369	12.27	cps
Silicon	28-1	7122968	7151005	7317268	7197080	1.46	cps
Silver	107-1	1183	1050	1310	1181	11.01	cps
Silver	109-1	1083	1053	1053	1063	1.63	cps
Sodium	23-2	380134	377309	381505	379649	0.56	cps
Strontium	86-1	263519	266663	265672	265285	0.61	cps
Strontium	88-1	2427913	2443832	2479529	2450425	1.08	cps
Sulfur	34-1	110788	113950	116721	113820	2.61	cps
Terbium	159-1	5782189	5771881	5617590	5723887	1.61	cps
Terbium	159-2	3712269	3736153	3719780	3722734	0.33	cps
Thallium	203-1	797	720	737	751	5.37	cps
Thallium	205-1	1613	1720	1720	1685	3.66	cps
Tin	118-1	9130	9386	9120	9212	1.64	cps
Titanium	47-1	769942	781436	779649	777009	0.80	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-16	Instrumnet Name :	P7
Client Sample ID :	MYE4A3	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:22:21	DataFile Name :	112SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10207	9917	10281	10135	1.90	cps
Vanadium	51-2	289295	288386	288381	288687	0.18	cps
Yttrium	89-1	7768669	7731223	7741771	7747221	0.25	cps
Yttrium	89-2	2310678	2277471	2268032	2285394	0.98	cps
Zinc	66-2	63273	63136	62621	63010	0.55	cps
Zirconium	90-1	77419	77614	77832	77622	0.27	cps
Zirconium	91-1	16973	17167	17260	17133	0.85	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV039	Instrumnet Name :	P7
Client Sample ID :	CCV039	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:25:29	DataFile Name :	113CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6381667	6310036	6284516	6325407	0.80	cps
Antimony	121-1	2686824	2776683	2815574	2759694	2.39	cps
Arsenic	75-2	184309	182423	182912	183215	0.53	cps
Barium	135-1	3488313	3593409	3582410	3554711	1.63	cps
Barium	137-1	5978397	6150726	6118021	6082381	1.50	cps
Beryllium	9-1	273486	285229	287046	281920	2.61	cps
Bismuth	209-1	3545449	3556459	3384281	3495396	2.76	cps
Bismuth	209-2	2660395	2684825	2693320	2679514	0.64	cps
Bromine	81-1	5148	5311	5364	5274	2.14	cps
Bromine	81-2	90	87	73	83	10.59	cps
Cadmium	108-1	45779	47324	47437	46846	1.98	cps
Cadmium	106-1	65641	66274	66632	66182	0.76	cps
Cadmium	111-1	632527	651716	651356	645200	1.70	cps
Calcium	43-1	3208272	3237476	3214904	3220217	0.48	cps
Calcium	44-1	52067566	53015714	52321548	52468276	0.94	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1264641	1265998	1258212	1262950	0.33	cps
Cobalt	59-2	2016774	2041738	2014115	2024209	0.75	cps
Copper	63-2	14329985	14214586	14208749	14251107	0.48	cps
Dysprosium	156-1	213	237	197	216	9.32	cps
Dysprosium	156-2	233	237	270	247	8.22	cps
Erbium	164-1	137	163	187	162	15.42	cps
Erbium	164-2	100	140	130	123	16.88	cps
Gadolinium	160-1	153	157	133	148	8.54	cps
Gadolinium	160-2	233	223	233	230	2.51	cps
Holmium	165-1	5992473	5979014	5655821	5875769	3.24	cps
Holmium	165-2	3947509	4029194	4051193	4009298	1.36	cps
Indium	115-1	4655788	4535362	4296618	4495922	4.07	cps
Indium	115-2	1694971	1647748	1653760	1665493	1.54	cps
Iron	56-2	269854049	267882909	268269689	268668883	0.39	cps
Iron	57-2	6698781	6639913	6771188	6703294	0.98	cps
Iron	54-2	14760809	14913304	14719186	14797766	0.69	cps
Krypton	83-1	180	200	193	191	5.33	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV039	Instrumnet Name :	P7
Client Sample ID :	CCV039	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:25:29	DataFile Name :	113CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9862115	10206344	10268072	10112177	2.16	cps
Lead	207-1	8704479	9003789	8969285	8892518	1.84	cps
Lead	208-1	39449640	40606568	41105674	40387294	2.10	cps
Lithium	6-1	525298	554728	534626	538217	2.79	cps
Magnesium	24-2	55392048	55353766	55484114	55409976	0.12	cps
Manganese	55-2	9084751	9077632	9116123	9092835	0.23	cps
Molybdenum	94-1	10098695	10290062	10391075	10259944	1.45	cps
Molybdenum	95-1	14719154	14913720	15058017	14896964	1.14	cps
Molybdenum	96-1	16154824	16447368	16225231	16275807	0.94	cps
Molybdenum	97-1	9152726	9378801	9368888	9300139	1.37	cps
Molybdenum	98-1	23836859	23933803	24082630	23951097	0.52	cps
Neodymium	150-1	203	187	173	188	8.00	cps
Neodymium	150-2	53	77	93	74	26.99	cps
Nickel	60-2	489024	488286	485552	487621	0.38	cps
Phosphorus	31-2	74604	75173	74902	74893	0.38	cps
Potassium	39-2	35824144	36206364	35784744	35938417	0.65	cps
Rhodium	103-1	4216292	4271786	3923887	4137322	4.52	cps
Rhodium	103-2	2718247	2756495	2714439	2729727	0.85	cps
Scandium	45-1	2514756	2536912	2361611	2471093	3.86	cps
Scandium	45-2	282953	283063	280510	282175	0.51	cps
Selenium	82-1	39017	39512	39932	39487	1.16	cps
Selenium	77-2	4581	4617	4674	4624	1.02	cps
Selenium	78-2	15482	15488	15475	15481	0.04	cps
Silicon	28-1	16580648	17118728	17162337	16953904	1.91	cps
Silver	107-1	3355579	3412623	3413673	3393959	0.98	cps
Silver	109-1	3173423	3284340	3228179	3228647	1.72	cps
Sodium	23-2	92720859	92888739	91553995	92387864	0.79	cps
Strontium	86-1	20971434	21333556	21513383	21272791	1.30	cps
Strontium	88-1	184215311	187293524	187546797	186351877	1.00	cps
Sulfur	34-1	273119	275887	278513	275840	0.98	cps
Terbium	159-1	6019155	6125132	5769252	5971180	3.06	cps
Terbium	159-2	3905560	3984029	3970772	3953453	1.06	cps
Thallium	203-1	2470828	2546418	2577179	2531475	2.16	cps
Thallium	205-1	5755018	6049855	6004781	5936551	2.68	cps
Tin	118-1	2130213	2206575	2198056	2178281	1.92	cps
Titanium	47-1	3444907	3477181	3524304	3482131	1.15	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV039	Instrumnet Name :	P7
Client Sample ID :	CCV039	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:25:29	DataFile Name :	113CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7734213	8078926	8114308	7975816	2.63	cps
Vanadium	51-2	1152207	1150613	1141450	1148090	0.51	cps
Yttrium	89-1	7874436	7897667	7419855	7730653	3.48	cps
Yttrium	89-2	2292110	2253474	2255757	2267114	0.96	cps
Zinc	66-2	2354402	2403915	2386590	2381636	1.05	cps
Zirconium	90-1	4577455	4696187	4711149	4661597	1.57	cps
Zirconium	91-1	994950	1016866	1018592	1010136	1.30	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB039	Instrumnet Name :	P7
Client Sample ID :	CCB039	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:28:17	DataFile Name :	114CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	440	430	467	446	4.25	cps
Antimony	121-1	1773	1673	1670	1706	3.44	cps
Arsenic	75-2	13	10	17	13	25.01	cps
Barium	135-1	210	157	160	176	17.02	cps
Barium	137-1	393	283	230	302	27.56	cps
Beryllium	9-1	47	33	23	34	34.00	cps
Bismuth	209-1	3808596	3755484	3684348	3749476	1.66	cps
Bismuth	209-2	2807809	2799360	2792117	2799762	0.28	cps
Bromine	81-1	5141	4801	5274	5072	4.81	cps
Bromine	81-2	63	87	70	73	16.39	cps
Cadmium	108-1	13	13	7	11	34.61	cps
Cadmium	106-1	1077	1013	933	1008	7.13	cps
Cadmium	111-1	804	743	692	747	7.53	cps
Calcium	43-1	307	277	183	256	25.17	cps
Calcium	44-1	11515	10487	9873	10625	7.80	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	650	633	523	602	11.43	cps
Cobalt	59-2	133	100	73	102	29.41	cps
Copper	63-2	1317	1207	1127	1217	7.84	cps
Dysprosium	156-1	77	60	83	73	16.39	cps
Dysprosium	156-2	7	23	37	22	67.63	cps
Erbium	164-1	47	37	53	46	18.41	cps
Erbium	164-2	7	30	33	23	62.26	cps
Gadolinium	160-1	20	37	30	29	29.04	cps
Gadolinium	160-2	160	147	150	152	4.56	cps
Holmium	165-1	5969331	5899865	5825195	5898130	1.22	cps
Holmium	165-2	3949358	3926520	3893961	3923280	0.71	cps
Indium	115-1	4823695	4708269	4559121	4697028	2.82	cps
Indium	115-2	1735718	1728946	1776656	1747106	1.48	cps
Iron	56-2	18912	18181	17998	18364	2.63	cps
Iron	57-2	2707	2724	2794	2741	1.68	cps
Iron	54-2	1643	1690	1697	1677	1.73	cps
Krypton	83-1	147	170	173	163	8.90	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB039	Instrumnet Name :	P7
Client Sample ID :	CCB039	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:28:17	DataFile Name :	114CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1013	837	813	888	12.32	cps
Lead	207-1	947	777	637	787	19.73	cps
Lead	208-1	4077	3520	3050	3549	14.48	cps
Lithium	6-1	565498	552804	546162	554821	1.77	cps
Magnesium	24-2	1650	1567	1583	1600	2.76	cps
Manganese	55-2	513	480	473	489	4.38	cps
Molybdenum	94-1	840	707	653	733	13.11	cps
Molybdenum	95-1	1143	887	723	918	23.07	cps
Molybdenum	96-1	1257	933	957	1049	17.19	cps
Molybdenum	97-1	710	550	497	586	18.96	cps
Molybdenum	98-1	1687	1353	1233	1425	16.49	cps
Neodymium	150-1	3	7	7	6	34.70	cps
Neodymium	150-2	7	3	0	3	100.05	cps
Nickel	60-2	97	70	93	87	16.77	cps
Phosphorus	31-2	97	117	130	114	14.66	cps
Potassium	39-2	78363	78853	77677	78298	0.75	cps
Rhodium	103-1	4443903	4379478	4391742	4405041	0.78	cps
Rhodium	103-2	2886539	2874660	2883363	2881521	0.21	cps
Scandium	45-1	2519073	2499551	2514392	2511005	0.41	cps
Scandium	45-2	278511	277250	276851	277537	0.31	cps
Selenium	82-1	242	258	264	255	4.39	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	413	310	357	360	14.37	cps
Silicon	28-1	176314	173886	172272	174157	1.17	cps
Silver	107-1	397	313	263	324	20.76	cps
Silver	109-1	357	290	270	306	14.85	cps
Sodium	23-2	43344	42047	42124	42505	1.71	cps
Strontium	86-1	1203	997	780	993	21.31	cps
Strontium	88-1	8756	5991	4637	6462	32.49	cps
Sulfur	34-1	121391	120739	120430	120853	0.41	cps
Terbium	159-1	6091428	5903376	5995027	5996610	1.57	cps
Terbium	159-2	3911080	3884511	3858242	3884611	0.68	cps
Thallium	203-1	487	437	377	433	12.71	cps
Thallium	205-1	1190	927	760	959	22.61	cps
Tin	118-1	1247	1363	1363	1325	5.09	cps
Titanium	47-1	260	193	197	217	17.34	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB039	Instrumnet Name :	P7
Client Sample ID :	CCB039	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:28:17	DataFile Name :	114CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	263	233	210	236	11.35	cps
Vanadium	51-2	47	50	27	41	30.69	cps
Yttrium	89-1	7975835	7781287	7636297	7797806	2.18	cps
Yttrium	89-2	2265522	2292746	2251420	2269896	0.93	cps
Zinc	66-2	457	460	440	452	2.37	cps
Zirconium	90-1	650	563	500	571	13.19	cps
Zirconium	91-1	137	110	100	116	16.40	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-17	Instrumnet Name :	P7
Client Sample ID :	MYE4A4	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:31:34	DataFile Name :	115SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6193398	6248184	6195128	6212237	0.50	cps
Antimony	121-1	7172	7552	7782	7502	4.11	cps
Arsenic	75-2	20695	21175	20758	20876	1.25	cps
Barium	135-1	621049	635023	628048	628040	1.11	cps
Barium	137-1	1069854	1090696	1088260	1082937	1.05	cps
Beryllium	9-1	873	810	690	791	11.77	cps
Bismuth	209-1	3526593	3525053	3456062	3502569	1.15	cps
Bismuth	209-2	2719230	2595903	2336274	2550469	7.66	cps
Bromine	81-1	5878	5865	6435	6059	5.37	cps
Bromine	81-2	330	323	357	337	5.24	cps
Cadmium	108-1	270	283	250	268	6.26	cps
Cadmium	106-1	1570	1477	1617	1555	4.59	cps
Cadmium	111-1	1830	1722	1950	1834	6.22	cps
Calcium	43-1	536399	551194	554022	547205	1.73	cps
Calcium	44-1	8496478	8833624	8664369	8664824	1.95	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	245443	245491	245524	245486	0.02	cps
Cobalt	59-2	200283	196941	199932	199052	0.92	cps
Copper	63-2	476994	479915	481396	479435	0.47	cps
Dysprosium	156-1	34556	34923	35478	34986	1.33	cps
Dysprosium	156-2	30707	30844	31004	30852	0.48	cps
Erbium	164-1	27293	27905	28132	27777	1.56	cps
Erbium	164-2	18045	18145	18476	18222	1.24	cps
Gadolinium	160-1	32317	32381	32301	32333	0.13	cps
Gadolinium	160-2	23059	23603	23129	23264	1.27	cps
Holmium	165-1	5639484	5664380	5611842	5638569	0.47	cps
Holmium	165-2	3913996	3751198	3400363	3688519	7.12	cps
Indium	115-1	4565974	4501382	4506001	4524453	0.80	cps
Indium	115-2	1709473	1662503	1484893	1618956	7.32	cps
Iron	56-2	199993230	195926290	200197870	198705797	1.21	cps
Iron	57-2	4988442	4998853	4966591	4984628	0.33	cps
Iron	54-2	11126225	10985855	11019293	11043791	0.66	cps
Krypton	83-1	203	267	187	219	19.28	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-17	Instrumnet Name :	P7
Client Sample ID :	MYE4A4	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:31:34	DataFile Name :	115SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	108902	110068	109729	109566	0.55	cps
Lead	207-1	93183	93657	92730	93190	0.50	cps
Lead	208-1	423373	426883	424381	424879	0.43	cps
Lithium	6-1	518455	495134	480447	498012	3.85	cps
Magnesium	24-2	6904529	6936840	6972417	6937929	0.49	cps
Manganese	55-2	3741023	3700551	3754999	3732191	0.76	cps
Molybdenum	94-1	103299	104699	105443	104480	1.04	cps
Molybdenum	95-1	3237	3424	3477	3379	3.73	cps
Molybdenum	96-1	22220	22447	23012	22560	1.81	cps
Molybdenum	97-1	2084	1960	2037	2027	3.07	cps
Molybdenum	98-1	5121	5188	5488	5265	3.71	cps
Neodymium	150-1	69440	69122	69500	69354	0.29	cps
Neodymium	150-2	41959	41130	41090	41393	1.19	cps
Nickel	60-2	132093	132947	132580	132540	0.32	cps
Phosphorus	31-2	25525	24733	24747	25002	1.81	cps
Potassium	39-2	1820435	1828182	1812553	1820390	0.43	cps
Rhodium	103-1	4166902	4202624	4221748	4197091	0.66	cps
Rhodium	103-2	2853554	2828798	2517269	2733207	6.86	cps
Scandium	45-1	2536534	2573040	2602806	2570793	1.29	cps
Scandium	45-2	303177	297186	268622	289661	6.37	cps
Selenium	82-1	291	273	349	304	13.13	cps
Selenium	77-2	120	117	143	127	11.47	cps
Selenium	78-2	497	397	387	427	14.26	cps
Silicon	28-1	7285285	7334667	7279125	7299692	0.42	cps
Silver	107-1	2053	1947	1820	1940	6.02	cps
Silver	109-1	1767	1747	1560	1691	6.74	cps
Sodium	23-2	609549	606327	613594	609823	0.60	cps
Strontium	86-1	1150120	1178632	1180689	1169814	1.46	cps
Strontium	88-1	10438177	10904739	10867952	10736956	2.42	cps
Sulfur	34-1	114733	113504	112134	113457	1.15	cps
Terbium	159-1	5959838	5808646	5814204	5860896	1.46	cps
Terbium	159-2	3899363	3723761	3393210	3672112	7.00	cps
Thallium	203-1	1323	1217	1183	1241	5.89	cps
Thallium	205-1	2800	2874	2720	2798	2.74	cps
Tin	118-1	10627	10767	11191	10862	2.70	cps
Titanium	47-1	1396099	1423928	1425802	1415276	1.18	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-17	Instrumnet Name :	P7
Client Sample ID :	MYE4A4	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:31:34	DataFile Name :	115SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15219	15733	15476	15476	1.66	cps
Vanadium	51-2	435689	430695	436448	434278	0.72	cps
Yttrium	89-1	7981247	8056758	8086020	8041342	0.67	cps
Yttrium	89-2	2433351	2385879	2090350	2303193	8.07	cps
Zinc	66-2	82741	84209	83056	83335	0.93	cps
Zirconium	90-1	273034	281675	282911	279207	1.93	cps
Zirconium	91-1	60507	62847	62228	61861	1.96	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-18	Instrumnet Name :	P7
Client Sample ID :	MYE4A5	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:34:44	DataFile Name :	116SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6643187	6502118	6461836	6535714	1.46	cps
Antimony	121-1	12349	12649	13026	12675	2.68	cps
Arsenic	75-2	43620	43293	43346	43420	0.40	cps
Barium	135-1	696315	707610	704538	702821	0.83	cps
Barium	137-1	1192878	1220696	1207520	1207031	1.15	cps
Beryllium	9-1	877	940	857	891	4.88	cps
Bismuth	209-1	3541911	3476124	3472087	3496707	1.12	cps
Bismuth	209-2	2666400	2583086	2635518	2628335	1.60	cps
Bromine	81-1	7869	8166	8332	8122	2.89	cps
Bromine	81-2	743	817	740	767	5.65	cps
Cadmium	108-1	200	290	267	252	18.52	cps
Cadmium	106-1	1437	1433	1423	1431	0.49	cps
Cadmium	111-1	3296	3351	3390	3346	1.41	cps
Calcium	43-1	401897	406839	410966	406567	1.12	cps
Calcium	44-1	6418096	6439412	6339574	6399028	0.82	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	280227	274834	275923	276995	1.03	cps
Cobalt	59-2	198441	195031	195328	196267	0.96	cps
Copper	63-2	1000271	999576	988687	996178	0.65	cps
Dysprosium	156-1	42414	43390	42862	42889	1.14	cps
Dysprosium	156-2	36334	36190	36735	36419	0.78	cps
Erbium	164-1	34757	35488	35031	35092	1.05	cps
Erbium	164-2	23647	23350	23336	23444	0.75	cps
Gadolinium	160-1	41057	41134	41451	41214	0.51	cps
Gadolinium	160-2	29197	29054	29067	29106	0.27	cps
Holmium	165-1	5684872	5675722	5616341	5658979	0.66	cps
Holmium	165-2	3860963	3733755	3744030	3779583	1.87	cps
Indium	115-1	4585393	4616833	4461397	4554541	1.80	cps
Indium	115-2	1698834	1702329	1685339	1695501	0.53	cps
Iron	56-2	221692783	218320057	221735697	220582846	0.89	cps
Iron	57-2	5439951	5476415	5338118	5418161	1.32	cps
Iron	54-2	12157240	11964066	12222276	12114527	1.11	cps
Krypton	83-1	240	230	243	238	2.92	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-18	Instrumnet Name :	P7
Client Sample ID :	MYE4A5	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:34:44	DataFile Name :	116SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	289773	291319	292496	291196	0.47	cps
Lead	207-1	249878	252356	252648	251627	0.60	cps
Lead	208-1	1136011	1149202	1149093	1144769	0.66	cps
Lithium	6-1	487824	479211	482426	483154	0.90	cps
Magnesium	24-2	5098571	5012217	4968363	5026384	1.32	cps
Manganese	55-2	4857178	4807218	4907339	4857245	1.03	cps
Molybdenum	94-1	42207	43732	44441	43460	2.63	cps
Molybdenum	95-1	5008	5218	4951	5059	2.78	cps
Molybdenum	96-1	14524	14314	14247	14362	1.01	cps
Molybdenum	97-1	3247	3290	3237	3258	0.87	cps
Molybdenum	98-1	7856	8166	7949	7990	1.99	cps
Neodymium	150-1	81024	80451	81927	81134	0.92	cps
Neodymium	150-2	48175	48008	47834	48006	0.36	cps
Nickel	60-2	94633	92798	93168	93533	1.04	cps
Phosphorus	31-2	25672	25548	25762	25660	0.42	cps
Potassium	39-2	4207285	4223576	4206947	4212603	0.23	cps
Rhodium	103-1	4318070	4297051	4227205	4280775	1.11	cps
Rhodium	103-2	2826850	2832430	2794041	2817774	0.74	cps
Scandium	45-1	2653341	2643349	2588750	2628480	1.32	cps
Scandium	45-2	304528	303163	300767	302819	0.63	cps
Selenium	82-1	391	460	410	420	8.52	cps
Selenium	77-2	153	180	190	174	10.86	cps
Selenium	78-2	437	447	460	448	2.61	cps
Silicon	28-1	9028870	9227770	9309722	9188788	1.57	cps
Silver	107-1	5048	5294	5344	5229	3.04	cps
Silver	109-1	4998	4918	5091	5002	1.74	cps
Sodium	23-2	158645	157777	158564	158328	0.30	cps
Strontium	86-1	201564	204621	205046	203744	0.93	cps
Strontium	88-1	1865613	1894781	1898813	1886402	0.96	cps
Sulfur	34-1	109887	106471	104648	107002	2.49	cps
Terbium	159-1	5913572	5813077	5787616	5838088	1.14	cps
Terbium	159-2	3817646	3753766	3820106	3797173	0.99	cps
Thallium	203-1	1790	1957	1990	1912	5.60	cps
Thallium	205-1	4497	4487	4527	4504	0.46	cps
Tin	118-1	12996	12596	12486	12692	2.12	cps
Titanium	47-1	713953	729837	725902	723231	1.14	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-18	Instrumnet Name :	P7
Client Sample ID :	MYE4A5	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:34:44	DataFile Name :	116SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16507	16590	16574	16557	0.27	cps
Vanadium	51-2	436458	432459	437036	435317	0.57	cps
Yttrium	89-1	8373522	8308608	8376375	8352835	0.46	cps
Yttrium	89-2	2443490	2450892	2388748	2427710	1.40	cps
Zinc	66-2	143458	143802	141603	142954	0.83	cps
Zirconium	90-1	107399	110612	110399	109470	1.64	cps
Zirconium	91-1	24430	23826	24497	24251	1.52	cps

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On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-19	Instrumnet Name :	P7
Client Sample ID :	MYE4A6	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:37:52	DataFile Name :	117SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6352239	6317417	6326596	6332084	0.29	cps
Antimony	121-1	10607	10474	10537	10540	0.63	cps
Arsenic	75-2	33448	33835	32947	33410	1.33	cps
Barium	135-1	601257	611839	616840	609979	1.30	cps
Barium	137-1	1046425	1062518	1062381	1057108	0.88	cps
Beryllium	9-1	807	837	740	794	6.23	cps
Bismuth	209-1	3530797	3507821	3478455	3505691	0.75	cps
Bismuth	209-2	2641007	2648049	2691887	2660314	1.04	cps
Bromine	81-1	7589	7755	7695	7680	1.10	cps
Bromine	81-2	750	697	613	687	10.03	cps
Cadmium	108-1	217	220	270	236	12.69	cps
Cadmium	106-1	1423	1440	1397	1420	1.54	cps
Cadmium	111-1	2718	2858	2679	2752	3.41	cps
Calcium	43-1	311675	316958	317631	315422	1.03	cps
Calcium	44-1	4868472	5021680	5028812	4972988	1.82	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	250426	250068	248449	249648	0.42	cps
Cobalt	59-2	170443	171815	170353	170870	0.48	cps
Copper	63-2	753976	755142	750026	753048	0.36	cps
Dysprosium	156-1	38165	38165	38900	38410	1.11	cps
Dysprosium	156-2	33025	32979	33356	33120	0.62	cps
Erbium	164-1	30771	31990	32020	31593	2.26	cps
Erbium	164-2	21066	21220	20926	21070	0.70	cps
Gadolinium	160-1	37253	37547	37343	37381	0.40	cps
Gadolinium	160-2	27110	27123	27143	27125	0.06	cps
Holmium	165-1	5645088	5682718	5539307	5622371	1.32	cps
Holmium	165-2	3828460	3864985	3870876	3854774	0.60	cps
Indium	115-1	4519085	4498116	4448698	4488633	0.81	cps
Indium	115-2	1688813	1666013	1714077	1689635	1.42	cps
Iron	56-2	190967877	191307870	191490904	191255550	0.14	cps
Iron	57-2	4689214	4740997	4729588	4719933	0.58	cps
Iron	54-2	10591975	10520428	10609120	10573841	0.44	cps
Krypton	83-1	220	183	257	220	16.67	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-19	Instrumnet Name :	P7
Client Sample ID :	MYE4A6	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:37:52	DataFile Name :	117SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	228301	230231	230732	229755	0.56	cps
Lead	207-1	195998	197792	200779	198190	1.22	cps
Lead	208-1	896519	902990	905846	901785	0.53	cps
Lithium	6-1	496094	499261	493939	496432	0.54	cps
Magnesium	24-2	4591377	4518959	4491801	4534046	1.14	cps
Manganese	55-2	4234461	4151752	4254117	4213443	1.29	cps
Molybdenum	94-1	40182	42154	40940	41092	2.42	cps
Molybdenum	95-1	4584	4054	4217	4285	6.34	cps
Molybdenum	96-1	12252	12726	12472	12483	1.90	cps
Molybdenum	97-1	2687	2764	2577	2676	3.51	cps
Molybdenum	98-1	6418	6905	6545	6623	3.81	cps
Neodymium	150-1	73045	73856	74652	73851	1.09	cps
Neodymium	150-2	43260	43025	43386	43224	0.42	cps
Nickel	60-2	81611	80803	81463	81292	0.53	cps
Phosphorus	31-2	19406	18845	18448	18900	2.55	cps
Potassium	39-2	3572737	3522919	3512716	3536124	0.91	cps
Rhodium	103-1	4220099	4184272	4218801	4207724	0.48	cps
Rhodium	103-2	2799761	2858361	2839430	2832517	1.06	cps
Scandium	45-1	2606702	2624724	2532120	2587849	1.90	cps
Scandium	45-2	296579	298798	301028	298802	0.74	cps
Selenium	82-1	333	408	326	356	12.77	cps
Selenium	77-2	140	160	147	149	6.84	cps
Selenium	78-2	377	387	443	402	8.94	cps
Silicon	28-1	8065020	8259281	8280452	8201584	1.45	cps
Silver	107-1	3907	4004	4147	4019	3.00	cps
Silver	109-1	3737	3684	3901	3774	2.99	cps
Sodium	23-2	144992	145436	146007	145479	0.35	cps
Strontium	86-1	185515	187762	187028	186769	0.61	cps
Strontium	88-1	1695692	1757339	1695038	1716023	2.09	cps
Sulfur	34-1	100441	98525	97371	98779	1.57	cps
Terbium	159-1	5794920	5867324	5759244	5807163	0.95	cps
Terbium	159-2	3755513	3808764	3803206	3789161	0.77	cps
Thallium	203-1	1527	1757	1867	1717	10.11	cps
Thallium	205-1	4217	4124	4031	4124	2.26	cps
Tin	118-1	11538	11895	11545	11659	1.75	cps
Titanium	47-1	715382	729414	732011	725602	1.23	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-19	Instrumnet Name :	P7
Client Sample ID :	MYE4A6	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:37:52	DataFile Name :	117SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13894	14331	14228	14151	1.61	cps
Vanadium	51-2	380112	383400	377772	380428	0.74	cps
Yttrium	89-1	8217968	8189929	7968939	8125612	1.68	cps
Yttrium	89-2	2354139	2403176	2426683	2394666	1.55	cps
Zinc	66-2	118129	117226	117437	117597	0.40	cps
Zirconium	90-1	102868	104794	105724	104462	1.39	cps
Zirconium	91-1	23262	23192	23245	23233	0.16	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-20	Instrumnet Name :	P7
Client Sample ID :	MYE4A7	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:41:03	DataFile Name :	118SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7320628	7239220	7199047	7252965	0.85	cps
Antimony	121-1	12305	12556	12686	12516	1.54	cps
Arsenic	75-2	50663	50432	50733	50609	0.31	cps
Barium	135-1	820656	844735	845017	836803	1.67	cps
Barium	137-1	1425164	1459437	1457146	1447249	1.32	cps
Beryllium	9-1	900	1067	1000	989	8.48	cps
Bismuth	209-1	3491941	3475854	3477207	3481667	0.26	cps
Bismuth	209-2	2669867	2562790	2628083	2620247	2.06	cps
Bromine	81-1	6818	7118	7215	7051	2.93	cps
Bromine	81-2	610	513	587	570	8.85	cps
Cadmium	108-1	190	183	233	202	13.43	cps
Cadmium	106-1	1317	1363	1357	1346	1.88	cps
Cadmium	111-1	2002	2026	1986	2005	1.00	cps
Calcium	43-1	383099	392263	393454	389606	1.45	cps
Calcium	44-1	6092027	6230848	6222095	6181657	1.26	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	295796	293373	293813	294327	0.44	cps
Cobalt	59-2	226800	222465	223433	224233	1.01	cps
Copper	63-2	611821	606170	605750	607914	0.56	cps
Dysprosium	156-1	45276	45634	45861	45590	0.65	cps
Dysprosium	156-2	39830	40034	39442	39768	0.76	cps
Erbium	164-1	35642	37199	36996	36612	2.31	cps
Erbium	164-2	25043	24341	24325	24569	1.67	cps
Gadolinium	160-1	42464	44002	43374	43280	1.79	cps
Gadolinium	160-2	31365	31071	31185	31207	0.48	cps
Holmium	165-1	5689562	5719358	5623718	5677546	0.86	cps
Holmium	165-2	3812009	3780422	3791612	3794681	0.42	cps
Indium	115-1	4534262	4516313	4463360	4504645	0.82	cps
Indium	115-2	1675465	1680883	1647893	1668080	1.06	cps
Iron	56-2	259182136	256284450	255800856	257089147	0.71	cps
Iron	57-2	6448023	6337389	6275378	6353597	1.38	cps
Iron	54-2	14255706	14164063	14147557	14189109	0.41	cps
Krypton	83-1	180	207	243	210	15.14	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-20	Instrumnet Name :	P7
Client Sample ID :	MYE4A7	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:41:03	DataFile Name :	118SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	165337	166834	168487	166886	0.94	cps
Lead	207-1	139441	142105	142245	141264	1.12	cps
Lead	208-1	642545	651657	656939	650380	1.12	cps
Lithium	6-1	514499	505616	503784	507966	1.13	cps
Magnesium	24-2	5632560	5668957	5620250	5640589	0.45	cps
Manganese	55-2	6114127	6125286	6086500	6108638	0.33	cps
Molybdenum	94-1	54578	57177	56419	56058	2.38	cps
Molybdenum	95-1	6722	6775	6645	6714	0.97	cps
Molybdenum	96-1	18131	18348	18091	18190	0.76	cps
Molybdenum	97-1	3967	4144	3941	4017	2.75	cps
Molybdenum	98-1	10080	10988	9933	10334	5.53	cps
Neodymium	150-1	84441	86540	87523	86168	1.83	cps
Neodymium	150-2	51671	51791	50166	51209	1.77	cps
Nickel	60-2	104203	103263	104068	103844	0.49	cps
Phosphorus	31-2	22039	21792	21979	21937	0.59	cps
Potassium	39-2	4075284	4016613	4001064	4030987	0.97	cps
Rhodium	103-1	4267540	4202922	4175219	4215227	1.12	cps
Rhodium	103-2	2804902	2821218	2770759	2798960	0.92	cps
Scandium	45-1	2620408	2656858	2633455	2636907	0.70	cps
Scandium	45-2	298784	297214	296029	297342	0.46	cps
Selenium	82-1	410	355	341	369	9.95	cps
Selenium	77-2	160	140	177	159	11.56	cps
Selenium	78-2	467	507	517	497	5.33	cps
Silicon	28-1	8764977	8855581	8716515	8779024	0.80	cps
Silver	107-1	2240	2347	2537	2375	6.33	cps
Silver	109-1	2140	2224	2300	2221	3.60	cps
Sodium	23-2	134730	134895	134323	134649	0.22	cps
Strontium	86-1	196127	198830	197302	197420	0.69	cps
Strontium	88-1	1780466	1848676	1820979	1816707	1.89	cps
Sulfur	34-1	97133	99541	97267	97980	1.38	cps
Terbium	159-1	5924125	5940292	5827010	5897142	1.04	cps
Terbium	159-2	3769088	3806267	3899589	3824981	1.76	cps
Thallium	203-1	1897	1760	1857	1838	3.82	cps
Thallium	205-1	4541	4597	4374	4504	2.58	cps
Tin	118-1	10968	11011	11084	11021	0.54	cps
Titanium	47-1	715494	726900	728026	723473	0.96	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-20	Instrumnet Name :	P7
Client Sample ID :	MYE4A7	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:41:03	DataFile Name :	118SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17154	17799	17532	17495	1.85	cps
Vanadium	51-2	495962	489119	488226	491102	0.86	cps
Yttrium	89-1	8198488	8193173	8211725	8201128	0.12	cps
Yttrium	89-2	2452310	2406518	2421678	2426835	0.96	cps
Zinc	66-2	114844	115308	114209	114787	0.48	cps
Zirconium	90-1	137350	143753	143073	141392	2.49	cps
Zirconium	91-1	30722	32042	31721	31495	2.18	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-21	Instrumnet Name :	P7
Client Sample ID :	MYE4A8	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:44:12	DataFile Name :	119SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6098358	6071299	6013218	6060959	0.72	cps
Antimony	121-1	13086	12796	12863	12915	1.18	cps
Arsenic	75-2	45349	46609	45496	45818	1.50	cps
Barium	135-1	949295	955075	954747	953039	0.34	cps
Barium	137-1	1782953	1816026	1823737	1807572	1.20	cps
Beryllium	9-1	963	947	973	961	1.40	cps
Bismuth	209-1	3518664	3519705	3469256	3502542	0.82	cps
Bismuth	209-2	2558693	2575152	2633759	2589201	1.52	cps
Bromine	81-1	7058	7082	6885	7008	1.53	cps
Bromine	81-2	540	597	533	557	6.25	cps
Cadmium	108-1	230	243	193	222	11.65	cps
Cadmium	106-1	1307	1377	1310	1331	2.97	cps
Cadmium	111-1	2401	2430	2499	2443	2.06	cps
Calcium	43-1	485491	498867	501232	495197	1.71	cps
Calcium	44-1	7874029	7823901	7885119	7861016	0.41	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	258854	258209	255925	257663	0.60	cps
Cobalt	59-2	190949	192245	190010	191068	0.59	cps
Copper	63-2	638831	631466	625577	631958	1.05	cps
Dysprosium	156-1	36444	37500	37313	37086	1.52	cps
Dysprosium	156-2	32541	31305	32407	32084	2.11	cps
Erbium	164-1	30961	31171	30750	30961	0.68	cps
Erbium	164-2	21553	20862	20909	21108	1.83	cps
Gadolinium	160-1	35057	35983	35632	35557	1.31	cps
Gadolinium	160-2	25490	25617	25022	25376	1.23	cps
Holmium	165-1	5610012	5676618	5578749	5621793	0.89	cps
Holmium	165-2	3717361	3763379	3852766	3777835	1.82	cps
Indium	115-1	4537170	4527259	4422219	4495549	1.42	cps
Indium	115-2	1650591	1667400	1658007	1658666	0.51	cps
Iron	56-2	261223363	260194076	261409563	260942334	0.25	cps
Iron	57-2	6544061	6512350	6492860	6516424	0.40	cps
Iron	54-2	14332015	14510403	14251325	14364581	0.92	cps
Krypton	83-1	163	190	263	206	25.19	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-21	Instrumnet Name :	P7
Client Sample ID :	MYE4A8	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:44:12	DataFile Name :	119SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	247065	245223	246729	246339	0.40	cps
Lead	207-1	209449	211598	212452	211166	0.73	cps
Lead	208-1	960879	967253	965849	964661	0.35	cps
Lithium	6-1	504110	489819	494962	496297	1.46	cps
Magnesium	24-2	5174710	5103139	5095943	5124597	0.85	cps
Manganese	55-2	9247213	9349284	9243545	9280014	0.65	cps
Molybdenum	94-1	45093	46106	45999	45732	1.22	cps
Molybdenum	95-1	4307	4731	4444	4494	4.81	cps
Molybdenum	96-1	14144	14300	13880	14108	1.51	cps
Molybdenum	97-1	2717	2677	2590	2661	2.43	cps
Molybdenum	98-1	6665	6762	6872	6766	1.53	cps
Neodymium	150-1	68134	69594	68753	68827	1.06	cps
Neodymium	150-2	40261	40856	40368	40495	0.78	cps
Nickel	60-2	87624	87929	87815	87789	0.18	cps
Phosphorus	31-2	17493	17694	17540	17576	0.60	cps
Potassium	39-2	3038634	3021371	3025069	3028358	0.30	cps
Rhodium	103-1	4176535	4221274	4132427	4176745	1.06	cps
Rhodium	103-2	2776707	2779198	2758074	2771326	0.42	cps
Scandium	45-1	2604095	2560484	2598350	2587643	0.92	cps
Scandium	45-2	292106	294124	292656	292962	0.36	cps
Selenium	82-1	361	377	321	353	8.21	cps
Selenium	77-2	147	130	170	149	13.49	cps
Selenium	78-2	450	530	447	476	9.92	cps
Silicon	28-1	8831863	8817771	8959997	8869877	0.88	cps
Silver	107-1	2664	2757	2650	2690	2.16	cps
Silver	109-1	2510	2380	2604	2498	4.49	cps
Sodium	23-2	113666	114032	114284	113994	0.27	cps
Strontium	86-1	166226	166228	167502	166652	0.44	cps
Strontium	88-1	1493703	1540671	1544202	1526192	1.85	cps
Sulfur	34-1	103098	103507	105450	104019	1.21	cps
Terbium	159-1	5695796	5759507	5802919	5752741	0.94	cps
Terbium	159-2	3697942	3756508	3741130	3731860	0.81	cps
Thallium	203-1	2257	2354	2357	2322	2.45	cps
Thallium	205-1	5511	5501	5348	5453	1.68	cps
Tin	118-1	12342	12022	12449	12271	1.81	cps
Titanium	47-1	578510	584153	586907	583190	0.73	cps

Reviewed By:Mohan
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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-21	Instrumnet Name :	P7
Client Sample ID :	MYE4A8	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:44:12	DataFile Name :	119SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	12122	12352	12139	12205	1.05	cps
Vanadium	51-2	497193	495712	494824	495910	0.24	cps
Yttrium	89-1	8042168	8032142	8094367	8056225	0.41	cps
Yttrium	89-2	2360318	2403143	2326067	2363176	1.63	cps
Zinc	66-2	117511	117757	117209	117492	0.23	cps
Zirconium	90-1	116128	117728	119075	117644	1.25	cps
Zirconium	91-1	25489	26591	26447	26176	2.29	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-22	Instrumnet Name :	P7
Client Sample ID :	MYE4A9	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:47:23	DataFile Name :	120SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7599076	7594364	7663162	7618867	0.50	cps
Antimony	121-1	13256	13657	13700	13538	1.81	cps
Arsenic	75-2	71635	70315	71333	71095	0.97	cps
Barium	135-1	827398	840304	842026	836576	0.96	cps
Barium	137-1	1420387	1436327	1450806	1435840	1.06	cps
Beryllium	9-1	967	1040	947	984	4.99	cps
Bismuth	209-1	3523222	3513170	3427237	3487876	1.51	cps
Bismuth	209-2	2597317	2598024	2561799	2585714	0.80	cps
Bromine	81-1	7072	7599	7592	7421	4.07	cps
Bromine	81-2	653	587	690	643	8.14	cps
Cadmium	108-1	237	297	293	276	12.24	cps
Cadmium	106-1	1547	1567	1490	1535	2.59	cps
Cadmium	111-1	3601	3599	3705	3635	1.66	cps
Calcium	43-1	336105	338661	339667	338144	0.54	cps
Calcium	44-1	5331797	5332513	5333066	5332458	0.01	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	321442	324785	323598	323275	0.52	cps
Cobalt	59-2	227247	226536	225462	226415	0.40	cps
Copper	63-2	1043505	1033141	1035574	1037407	0.52	cps
Dysprosium	156-1	46470	47263	47390	47041	1.06	cps
Dysprosium	156-2	41017	41611	41217	41282	0.73	cps
Erbium	164-1	36497	38974	38276	37916	3.37	cps
Erbium	164-2	25233	25377	25493	25368	0.51	cps
Gadolinium	160-1	44042	44129	44815	44329	0.95	cps
Gadolinium	160-2	32598	32147	32575	32440	0.78	cps
Holmium	165-1	5664856	5613901	5504670	5594476	1.46	cps
Holmium	165-2	3826230	3787456	3718905	3777530	1.44	cps
Indium	115-1	4457898	4447636	4412302	4439279	0.54	cps
Indium	115-2	1663225	1642038	1652008	1652424	0.64	cps
Iron	56-2	246408083	241397790	243617496	243807790	1.03	cps
Iron	57-2	6049723	6040154	5952367	6014082	0.89	cps
Iron	54-2	13643003	13359296	13246659	13416319	1.52	cps
Krypton	83-1	203	213	217	211	3.29	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-22	Instrumnet Name :	P7
Client Sample ID :	MYE4A9	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:47:23	DataFile Name :	120SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	337502	340819	341537	339953	0.63	cps
Lead	207-1	287996	292146	293845	291329	1.03	cps
Lead	208-1	1318535	1332710	1342534	1331260	0.91	cps
Lithium	6-1	507203	500942	492178	500107	1.51	cps
Magnesium	24-2	5863307	5854887	5900185	5872793	0.41	cps
Manganese	55-2	5552374	5469077	5553535	5524995	0.88	cps
Molybdenum	94-1	60749	61988	61800	61512	1.09	cps
Molybdenum	95-1	4771	4611	4754	4712	1.87	cps
Molybdenum	96-1	17227	17010	17200	17146	0.69	cps
Molybdenum	97-1	2880	2880	2970	2910	1.79	cps
Molybdenum	98-1	7182	7188	7525	7299	2.69	cps
Neodymium	150-1	90002	91753	92068	91274	1.22	cps
Neodymium	150-2	53595	53862	53641	53699	0.27	cps
Nickel	60-2	117647	116976	115528	116717	0.93	cps
Phosphorus	31-2	22934	22360	22587	22627	1.28	cps
Potassium	39-2	4753630	4704690	4724530	4727617	0.52	cps
Rhodium	103-1	4195659	4127058	4132812	4151843	0.92	cps
Rhodium	103-2	2763109	2748950	2719159	2743740	0.82	cps
Scandium	45-1	2628284	2557821	2568934	2585013	1.47	cps
Scandium	45-2	295698	294367	292407	294157	0.56	cps
Selenium	82-1	451	383	388	407	9.29	cps
Selenium	77-2	180	173	147	167	10.58	cps
Selenium	78-2	500	493	497	497	0.67	cps
Silicon	28-1	10458261	10421531	10581235	10487009	0.80	cps
Silver	107-1	5338	5554	5664	5519	3.01	cps
Silver	109-1	5058	5128	5224	5137	1.63	cps
Sodium	23-2	152888	152494	151703	152361	0.40	cps
Strontium	86-1	233792	240564	242034	238797	1.84	cps
Strontium	88-1	2159526	2178133	2183484	2173714	0.58	cps
Sulfur	34-1	97904	96096	94902	96301	1.57	cps
Terbium	159-1	5754906	5737838	5730816	5741187	0.22	cps
Terbium	159-2	3743833	3804239	3787546	3778539	0.83	cps
Thallium	203-1	1903	2034	2024	1987	3.64	cps
Thallium	205-1	4851	4918	5124	4964	2.87	cps
Tin	118-1	13470	13800	13887	13719	1.60	cps
Titanium	47-1	791604	806882	813365	803950	1.39	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-22	Instrumnet Name :	P7
Client Sample ID :	MYE4A9	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 18:47:23	DataFile Name :	120SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17538	17108	17889	17512	2.23	cps
Vanadium	51-2	490517	486558	489496	488857	0.42	cps
Yttrium	89-1	8165264	8052585	8104800	8107550	0.70	cps
Yttrium	89-2	2432894	2386825	2367507	2395742	1.40	cps
Zinc	66-2	146201	145441	146339	145994	0.33	cps
Zirconium	90-1	155717	158637	160598	158317	1.55	cps
Zirconium	91-1	34945	35242	35115	35101	0.43	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 18:50:31	DataFile Name :	121SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1318746	1294730	1306876	1306784	0.92	cps
Antimony	121-1	3857	4244	4107	4070	4.82	cps
Arsenic	75-2	20127	19877	19860	19955	0.75	cps
Barium	135-1	176894	179610	178369	178291	0.76	cps
Barium	137-1	306127	311681	310362	309390	0.94	cps
Beryllium	9-1	213	223	240	226	5.97	cps
Bismuth	209-1	3511546	3496166	3527509	3511741	0.45	cps
Bismuth	209-2	2608355	2661683	2633883	2634640	1.01	cps
Bromine	81-1	5238	5484	5284	5335	2.46	cps
Bromine	81-2	150	193	170	171	12.68	cps
Cadmium	108-1	120	63	80	88	33.18	cps
Cadmium	106-1	1147	1053	1120	1107	4.34	cps
Cadmium	111-1	1462	1403	1368	1411	3.37	cps
Calcium	43-1	43148	42871	43111	43043	0.35	cps
Calcium	44-1	708810	714893	721227	714977	0.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	59025	57854	58580	58486	1.01	cps
Cobalt	59-2	47063	46632	46950	46882	0.48	cps
Copper	63-2	234085	229680	232150	231972	0.95	cps
Dysprosium	156-1	9530	9290	9413	9411	1.28	cps
Dysprosium	156-2	8286	8006	8493	8261	2.96	cps
Erbium	164-1	7422	7072	7472	7322	2.98	cps
Erbium	164-2	4808	4871	5044	4908	2.50	cps
Gadolinium	160-1	9060	8793	8950	8934	1.50	cps
Gadolinium	160-2	6735	6472	6311	6506	3.29	cps
Holmium	165-1	5560696	5524915	5504556	5530055	0.51	cps
Holmium	165-2	3728742	3860639	3734823	3774734	1.97	cps
Indium	115-1	4577084	4468136	4458741	4501321	1.46	cps
Indium	115-2	1651482	1644991	1664122	1653532	0.59	cps
Iron	56-2	50246544	50041484	50267813	50185280	0.25	cps
Iron	57-2	1263523	1246350	1253213	1254362	0.69	cps
Iron	54-2	2809096	2754968	2801094	2788386	1.05	cps
Krypton	83-1	170	170	153	164	5.85	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 18:50:31	DataFile Name :	121SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	85309	83964	85440	84904	0.96	cps
Lead	207-1	72449	73095	73387	72977	0.66	cps
Lead	208-1	331824	331978	333710	332504	0.31	cps
Lithium	6-1	497768	509085	504156	503670	1.13	cps
Magnesium	24-2	1038832	1031223	1037608	1035888	0.39	cps
Manganese	55-2	1505276	1513203	1514941	1511140	0.34	cps
Molybdenum	94-1	10781	11128	11278	11062	2.30	cps
Molybdenum	95-1	1343	1563	1497	1468	7.69	cps
Molybdenum	96-1	3681	3837	3637	3718	2.83	cps
Molybdenum	97-1	907	973	940	940	3.55	cps
Molybdenum	98-1	2217	2140	2310	2222	3.83	cps
Neodymium	150-1	17755	18068	17768	17864	0.99	cps
Neodymium	150-2	10471	10404	10951	10608	2.81	cps
Nickel	60-2	20070	20581	20608	20420	1.48	cps
Phosphorus	31-2	6415	6205	5895	6171	4.24	cps
Potassium	39-2	1087248	1072255	1074217	1077906	0.76	cps
Rhodium	103-1	4187553	4198659	4147884	4178032	0.64	cps
Rhodium	103-2	2796375	2795673	2752705	2781584	0.90	cps
Scandium	45-1	2416910	2348256	2350764	2371977	1.64	cps
Scandium	45-2	269272	268144	271501	269639	0.63	cps
Selenium	82-1	287	262	303	284	7.32	cps
Selenium	77-2	37	33	47	39	17.85	cps
Selenium	78-2	360	360	390	370	4.68	cps
Silicon	28-1	2951078	3043096	2997687	2997287	1.54	cps
Silver	107-1	1513	1397	1277	1396	8.48	cps
Silver	109-1	1390	1280	1303	1325	4.38	cps
Sodium	23-2	58102	59385	56948	58145	2.10	cps
Strontium	86-1	46440	46049	46380	46289	0.46	cps
Strontium	88-1	396829	401795	403954	400859	0.91	cps
Sulfur	34-1	89544	88135	88226	88635	0.89	cps
Terbium	159-1	5674334	5715437	5690595	5693455	0.36	cps
Terbium	159-2	3756207	3733938	3798362	3762836	0.87	cps
Thallium	203-1	480	480	507	489	3.15	cps
Thallium	205-1	1137	1150	1147	1145	0.61	cps
Tin	118-1	5751	5788	5841	5793	0.78	cps
Titanium	47-1	160009	163534	161094	161545	1.12	cps

Reviewed By:Mohan
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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 18:50:31	DataFile Name :	121SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	5294	5328	4964	5196	3.87	cps
Vanadium	51-2	94644	92930	94007	93861	0.92	cps
Yttrium	89-1	7588076	7503550	7431381	7507669	1.04	cps
Yttrium	89-2	2262913	2211643	2206459	2227005	1.40	cps
Zinc	66-2	39245	38680	37814	38580	1.87	cps
Zirconium	90-1	27145	27556	27910	27537	1.39	cps
Zirconium	91-1	6121	6111	5941	6058	1.67	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-05DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 18:53:46	DataFile Name :	122SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1309114	1293268	1298293	1300225	0.62	cps
Antimony	121-1	3961	4024	3807	3931	2.84	cps
Arsenic	75-2	17507	17334	17364	17401	0.53	cps
Barium	135-1	167250	168723	169101	168358	0.58	cps
Barium	137-1	285913	290743	292407	289688	1.16	cps
Beryllium	9-1	220	217	187	208	8.84	cps
Bismuth	209-1	3512275	3440869	3502555	3485233	1.11	cps
Bismuth	209-2	2658691	2643103	2649518	2650437	0.30	cps
Bromine	81-1	5231	5288	5328	5282	0.92	cps
Bromine	81-2	157	210	157	174	17.65	cps
Cadmium	108-1	87	73	80	80	8.34	cps
Cadmium	106-1	1070	1087	1107	1088	1.69	cps
Cadmium	111-1	1382	1429	1335	1382	3.40	cps
Calcium	43-1	41149	41998	42560	41902	1.69	cps
Calcium	44-1	686798	701266	705250	697771	1.39	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	58359	57927	57744	58010	0.54	cps
Cobalt	59-2	46000	45519	44242	45254	2.01	cps
Copper	63-2	226885	226182	226831	226633	0.17	cps
Dysprosium	156-1	8916	9246	9256	9140	2.12	cps
Dysprosium	156-2	8096	7729	8006	7943	2.41	cps
Erbium	164-1	7199	7179	7539	7305	2.77	cps
Erbium	164-2	4667	5081	4898	4882	4.24	cps
Gadolinium	160-1	8646	9016	8833	8832	2.10	cps
Gadolinium	160-2	6281	6371	6495	6383	1.68	cps
Holmium	165-1	5591712	5523313	5498761	5537929	0.87	cps
Holmium	165-2	3811570	3754725	3744793	3770363	0.96	cps
Indium	115-1	4409310	4388610	4433118	4410346	0.50	cps
Indium	115-2	1644860	1653797	1635776	1644811	0.55	cps
Iron	56-2	48857006	48586988	49023669	48822554	0.45	cps
Iron	57-2	1234536	1233939	1229868	1232781	0.21	cps
Iron	54-2	2763183	2694603	2698619	2718801	1.42	cps
Krypton	83-1	187	177	163	176	6.67	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-05DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 18:53:46	DataFile Name :	122SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	81824	81006	83390	82073	1.48	cps
Lead	207-1	70324	71584	71306	71072	0.93	cps
Lead	208-1	319489	322237	326565	322763	1.11	cps
Lithium	6-1	511062	521178	514601	515613	1.00	cps
Magnesium	24-2	1019514	1019571	1016644	1018576	0.16	cps
Manganese	55-2	1343677	1343197	1335952	1340942	0.32	cps
Molybdenum	94-1	10604	11548	11021	11058	4.28	cps
Molybdenum	95-1	1497	1303	1517	1439	8.19	cps
Molybdenum	96-1	3374	3797	3737	3636	6.30	cps
Molybdenum	97-1	907	893	913	904	1.13	cps
Molybdenum	98-1	2097	2170	2224	2164	2.94	cps
Neodymium	150-1	17324	17568	17735	17542	1.18	cps
Neodymium	150-2	10731	10341	10441	10504	1.93	cps
Nickel	60-2	19566	19880	19867	19771	0.90	cps
Phosphorus	31-2	6115	6378	5928	6140	3.68	cps
Potassium	39-2	1057870	1053621	1047955	1053149	0.47	cps
Rhodium	103-1	4192237	4170780	4090231	4151083	1.30	cps
Rhodium	103-2	2743126	2735248	2751407	2743260	0.29	cps
Scandium	45-1	2402392	2398678	2392582	2397884	0.21	cps
Scandium	45-2	265795	266008	262813	264872	0.67	cps
Selenium	82-1	275	354	285	305	14.16	cps
Selenium	77-2	37	37	27	33	17.32	cps
Selenium	78-2	323	417	353	364	13.07	cps
Silicon	28-1	2814825	2864247	2844155	2841076	0.87	cps
Silver	107-1	1300	1283	1397	1327	4.61	cps
Silver	109-1	1167	1257	1237	1220	3.87	cps
Sodium	23-2	54385	54141	54128	54218	0.27	cps
Strontium	86-1	43939	44387	45203	44509	1.44	cps
Strontium	88-1	385068	387791	390706	387855	0.73	cps
Sulfur	34-1	88032	88128	87468	87876	0.41	cps
Terbium	159-1	5750494	5661266	5700434	5704064	0.78	cps
Terbium	159-2	3701472	3738163	3689962	3709866	0.68	cps
Thallium	203-1	387	543	413	448	18.72	cps
Thallium	205-1	1163	1173	1147	1161	1.16	cps
Tin	118-1	5334	5271	5184	5263	1.43	cps
Titanium	47-1	158609	161274	161387	160423	0.98	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-05DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 18:53:46	DataFile Name :	122SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	4884	5098	4974	4985	2.15	cps
Vanadium	51-2	92001	91670	91858	91843	0.18	cps
Yttrium	89-1	7503256	7443836	7495725	7480939	0.43	cps
Yttrium	89-2	2203721	2169454	2193320	2188831	0.80	cps
Zinc	66-2	35967	36715	36150	36277	1.08	cps
Zirconium	90-1	26130	27689	27873	27231	3.52	cps
Zirconium	91-1	6168	6185	6021	6125	1.47	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYE453L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 18:56:59	DataFile Name :	123SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	249034	247037	250038	248703	0.61	cps
Antimony	121-1	843	780	963	862	10.80	cps
Arsenic	75-2	4014	3764	3674	3817	4.62	cps
Barium	135-1	33399	34091	34054	33848	1.15	cps
Barium	137-1	57740	60200	59346	59095	2.11	cps
Beryllium	9-1	57	70	70	66	11.74	cps
Bismuth	209-1	3475770	3441951	3388506	3435409	1.28	cps
Bismuth	209-2	2634071	2611819	2611635	2619175	0.49	cps
Bromine	81-1	5151	5054	5158	5121	1.13	cps
Bromine	81-2	73	53	53	60	19.25	cps
Cadmium	108-1	13	10	13	12	15.73	cps
Cadmium	106-1	977	867	957	933	6.28	cps
Cadmium	111-1	771	786	784	780	1.05	cps
Calcium	43-1	8229	8709	8489	8476	2.84	cps
Calcium	44-1	142879	144615	145443	144312	0.91	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	11631	11531	11798	11653	1.16	cps
Cobalt	59-2	8909	9160	9053	9041	1.39	cps
Copper	63-2	44108	44998	44720	44609	1.02	cps
Dysprosium	156-1	1947	1907	1900	1918	1.32	cps
Dysprosium	156-2	1493	1500	1540	1511	1.67	cps
Erbium	164-1	1407	1420	1497	1441	3.37	cps
Erbium	164-2	987	890	953	943	5.21	cps
Gadolinium	160-1	1707	1950	1653	1770	8.94	cps
Gadolinium	160-2	1340	1423	1240	1335	6.88	cps
Holmium	165-1	5555454	5502039	5498856	5518783	0.58	cps
Holmium	165-2	3712310	3652299	3769918	3711509	1.58	cps
Indium	115-1	4447701	4455468	4402060	4435076	0.65	cps
Indium	115-2	1657628	1652266	1625213	1645036	1.06	cps
Iron	56-2	9571621	9560013	9599590	9577074	0.21	cps
Iron	57-2	243111	242857	242969	242979	0.05	cps
Iron	54-2	542694	538391	541767	540951	0.42	cps
Krypton	83-1	147	123	117	129	12.22	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYE453L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 18:56:59	DataFile Name :	123SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	16470	16196	16754	16473	1.69	cps
Lead	207-1	14164	14364	14054	14194	1.11	cps
Lead	208-1	64974	64587	65378	64980	0.61	cps
Lithium	6-1	514765	519499	510870	515045	0.84	cps
Magnesium	24-2	199450	196621	198096	198056	0.71	cps
Manganese	55-2	284473	282355	284850	283893	0.47	cps
Molybdenum	94-1	2084	2177	2280	2180	4.51	cps
Molybdenum	95-1	307	250	323	293	13.11	cps
Molybdenum	96-1	830	683	823	779	10.63	cps
Molybdenum	97-1	150	180	143	158	12.38	cps
Molybdenum	98-1	413	490	453	452	8.48	cps
Neodymium	150-1	3260	3617	3270	3383	6.01	cps
Neodymium	150-2	2057	2034	2030	2040	0.71	cps
Nickel	60-2	3907	3961	4071	3979	2.09	cps
Phosphorus	31-2	1417	1233	1367	1339	7.08	cps
Potassium	39-2	263349	264535	263159	263681	0.28	cps
Rhodium	103-1	4217379	4179184	4068703	4155089	1.86	cps
Rhodium	103-2	2792515	2753425	2739985	2761975	0.99	cps
Scandium	45-1	2378834	2339091	2327067	2348331	1.15	cps
Scandium	45-2	265641	264264	263414	264440	0.43	cps
Selenium	82-1	267	284	313	288	8.08	cps
Selenium	77-2	13	3	3	7	86.65	cps
Selenium	78-2	320	370	340	343	7.33	cps
Silicon	28-1	713574	718282	722595	718150	0.63	cps
Silver	107-1	290	310	313	304	4.14	cps
Silver	109-1	280	260	253	264	5.25	cps
Sodium	23-2	35143	36055	36276	35825	1.68	cps
Strontium	86-1	8589	8996	9163	8916	3.31	cps
Strontium	88-1	75251	77298	77091	76547	1.47	cps
Sulfur	34-1	85581	86094	87629	86435	1.23	cps
Terbium	159-1	5706255	5579097	5491183	5592178	1.93	cps
Terbium	159-2	3754705	3653816	3703932	3704151	1.36	cps
Thallium	203-1	173	173	167	171	2.25	cps
Thallium	205-1	317	283	350	317	10.53	cps
Tin	118-1	4361	4471	4527	4453	1.90	cps
Titanium	47-1	31042	30761	31292	31032	0.86	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYE453L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 18:56:59	DataFile Name :	123SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	813	940	883	879	7.22	cps
Vanadium	51-2	17734	18231	17784	17916	1.53	cps
Yttrium	89-1	7344393	7319679	7222340	7295471	0.88	cps
Yttrium	89-2	2166291	2137404	2196613	2166769	1.37	cps
Zinc	66-2	7986	8119	7719	7941	2.57	cps
Zirconium	90-1	5718	5614	5451	5594	2.40	cps
Zirconium	91-1	1173	1393	1303	1290	8.57	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-06DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:00:17	DataFile Name :	124SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1336423	1342289	1341054	1339922	0.23	cps
Antimony	121-1	95629	96303	95598	95843	0.42	cps
Arsenic	75-2	22020	21916	21953	21963	0.24	cps
Barium	135-1	626285	637795	645078	636386	1.49	cps
Barium	137-1	1085415	1103595	1109493	1099501	1.14	cps
Beryllium	9-1	5328	5864	5538	5577	4.85	cps
Bismuth	209-1	3542078	3449027	3450650	3480585	1.53	cps
Bismuth	209-2	2707274	2702989	2684839	2698367	0.44	cps
Bromine	81-1	5288	5438	5184	5303	2.40	cps
Bromine	81-2	200	163	153	172	14.26	cps
Cadmium	108-1	763	797	760	773	2.62	cps
Cadmium	106-1	2030	2127	2140	2099	2.86	cps
Cadmium	111-1	11698	12219	12461	12126	3.22	cps
Calcium	43-1	41921	43248	42824	42664	1.59	cps
Calcium	44-1	695832	701642	710721	702731	1.07	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	155018	154058	153936	154337	0.38	cps
Cobalt	59-2	402222	401961	402803	402329	0.11	cps
Copper	63-2	353636	350211	350166	351338	0.57	cps
Dysprosium	156-1	9130	9650	9350	9377	2.79	cps
Dysprosium	156-2	8403	8496	8149	8349	2.15	cps
Erbium	164-1	7045	7425	7355	7275	2.78	cps
Erbium	164-2	4681	5098	5081	4953	4.76	cps
Gadolinium	160-1	9036	9136	9196	9123	0.89	cps
Gadolinium	160-2	6485	6418	6615	6506	1.54	cps
Holmium	165-1	5508101	5530977	5503431	5514170	0.27	cps
Holmium	165-2	3788199	3808883	3713739	3770274	1.33	cps
Indium	115-1	4386286	4416819	4426529	4409878	0.48	cps
Indium	115-2	1651628	1643571	1648353	1647851	0.25	cps
Iron	56-2	50359233	50286211	50246218	50297220	0.11	cps
Iron	57-2	1272762	1256001	1261511	1263425	0.68	cps
Iron	54-2	2810754	2813690	2789425	2804623	0.47	cps
Krypton	83-1	207	220	180	202	10.07	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-06DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:00:17	DataFile Name :	124SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	97366	96953	96959	97093	0.24	cps
Lead	207-1	82167	85252	85578	84332	2.23	cps
Lead	208-1	379120	385061	382802	382328	0.78	cps
Lithium	6-1	531043	531969	524168	529060	0.81	cps
Magnesium	24-2	1037509	1026274	1033004	1032262	0.55	cps
Manganese	55-2	1641780	1628751	1648551	1639694	0.61	cps
Molybdenum	94-1	10931	10814	11011	10919	0.91	cps
Molybdenum	95-1	1293	1447	1450	1397	6.41	cps
Molybdenum	96-1	3504	3450	3837	3597	5.83	cps
Molybdenum	97-1	893	870	903	889	1.92	cps
Molybdenum	98-1	2094	2247	2030	2124	5.25	cps
Neodymium	150-1	17708	18466	18202	18125	2.12	cps
Neodymium	150-2	10858	10651	10808	10772	1.00	cps
Nickel	60-2	111786	110370	111273	111143	0.65	cps
Phosphorus	31-2	6548	6531	6448	6509	0.82	cps
Potassium	39-2	1073737	1067114	1067724	1069525	0.34	cps
Rhodium	103-1	4175289	4157709	4090476	4141158	1.08	cps
Rhodium	103-2	2791866	2767215	2746073	2768385	0.83	cps
Scandium	45-1	2386318	2383837	2405741	2391966	0.50	cps
Scandium	45-2	270974	267470	267279	268574	0.77	cps
Selenium	82-1	1768	1633	1744	1715	4.18	cps
Selenium	77-2	253	173	207	211	19.03	cps
Selenium	78-2	957	717	930	868	15.16	cps
Silicon	28-1	2956131	2975742	3005046	2978973	0.83	cps
Silver	107-1	48263	49534	50384	49394	2.16	cps
Silver	109-1	45441	47387	47337	46722	2.37	cps
Sodium	23-2	52747	51710	52951	52469	1.27	cps
Strontium	86-1	44744	45323	45330	45132	0.74	cps
Strontium	88-1	394270	403652	398505	398809	1.18	cps
Sulfur	34-1	89339	88769	88782	88964	0.37	cps
Terbium	159-1	5662355	5702143	5636217	5666905	0.59	cps
Terbium	159-2	3757127	3812332	3786382	3785280	0.73	cps
Thallium	203-1	37167	37819	38314	37767	1.52	cps
Thallium	205-1	90015	90418	90092	90175	0.24	cps
Tin	118-1	5478	5501	5855	5611	3.76	cps
Titanium	47-1	159354	162229	162613	161399	1.10	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-06DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:00:17	DataFile Name :	124SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	5201	5051	5011	5088	1.97	cps
Vanadium	51-2	305321	303583	304746	304550	0.29	cps
Yttrium	89-1	7460447	7494844	7397049	7450780	0.67	cps
Yttrium	89-2	2258984	2209622	2185511	2218039	1.69	cps
Zinc	66-2	77077	77476	78501	77685	0.95	cps
Zirconium	90-1	26878	28157	27549	27528	2.32	cps
Zirconium	91-1	6278	6338	5981	6199	3.08	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:03:29	DataFile Name :	125SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1410996	1438178	1421207	1423460	0.96	cps
Antimony	121-1	376268	384778	383228	381425	1.19	cps
Arsenic	75-2	27736	28544	28788	28356	1.94	cps
Barium	135-1	2075127	2135590	2172282	2127666	2.31	cps
Barium	137-1	3666888	3708473	3639177	3671513	0.95	cps
Beryllium	9-1	20116	20340	20824	20427	1.77	cps
Bismuth	209-1	3501432	3542140	3510589	3518053	0.61	cps
Bismuth	209-2	2666829	2655237	2306789	2542952	8.05	cps
Bromine	81-1	5404	5371	5381	5385	0.32	cps
Bromine	81-2	160	133	117	137	15.99	cps
Cadmium	108-1	3144	3057	3060	3087	1.59	cps
Cadmium	106-1	5074	5024	5081	5060	0.61	cps
Cadmium	111-1	46074	46066	46625	46255	0.69	cps
Calcium	43-1	39836	41440	42212	41162	2.94	cps
Calcium	44-1	674491	690015	687459	683988	1.22	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	414336	418064	420544	417648	0.75	cps
Cobalt	59-2	1389162	1397916	1432236	1406438	1.62	cps
Copper	63-2	680114	684033	688129	684092	0.59	cps
Dysprosium	156-1	9073	9370	9160	9201	1.66	cps
Dysprosium	156-2	7849	7979	8269	8032	2.68	cps
Erbium	164-1	7319	7312	7499	7376	1.44	cps
Erbium	164-2	4784	5018	4934	4912	2.41	cps
Gadolinium	160-1	8299	8820	8920	8679	3.84	cps
Gadolinium	160-2	6218	6555	6258	6344	2.90	cps
Holmium	165-1	5546513	5589424	5647700	5594546	0.91	cps
Holmium	165-2	3858809	3725139	3320450	3634799	7.71	cps
Indium	115-1	4473065	4406065	4376855	4418662	1.12	cps
Indium	115-2	1623287	1650159	1410781	1561409	8.40	cps
Iron	56-2	49175926	49519629	49702154	49465903	0.54	cps
Iron	57-2	1243947	1244275	1256512	1248245	0.57	cps
Iron	54-2	2791661	2750799	2761342	2767934	0.77	cps
Krypton	83-1	153	147	157	152	3.35	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:03:29	DataFile Name :	125SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	131039	134979	134659	133559	1.64	cps
Lead	207-1	115738	117005	116051	116265	0.57	cps
Lead	208-1	521400	532728	531478	528535	1.18	cps
Lithium	6-1	530211	539057	538570	535946	0.93	cps
Magnesium	24-2	997028	1005646	1001587	1001420	0.43	cps
Manganese	55-2	2075899	2045874	2057574	2059782	0.73	cps
Molybdenum	94-1	10724	10410	11034	10723	2.91	cps
Molybdenum	95-1	1490	1353	1453	1432	4.94	cps
Molybdenum	96-1	3417	3457	3644	3506	3.45	cps
Molybdenum	97-1	833	800	893	842	5.62	cps
Molybdenum	98-1	2220	2330	2237	2262	2.62	cps
Neodymium	150-1	17321	17641	17548	17503	0.94	cps
Neodymium	150-2	10414	10537	10060	10337	2.40	cps
Nickel	60-2	362226	364338	365587	364051	0.47	cps
Phosphorus	31-2	5845	5995	6145	5995	2.50	cps
Potassium	39-2	1028612	1035829	1038956	1034466	0.51	cps
Rhodium	103-1	4114074	4120496	4054913	4096494	0.88	cps
Rhodium	103-2	2774233	2723598	2371154	2622995	8.37	cps
Scandium	45-1	2413099	2429047	2365409	2402518	1.38	cps
Scandium	45-2	263831	264272	233327	253810	6.99	cps
Selenium	82-1	6153	6203	6297	6217	1.17	cps
Selenium	77-2	753	600	703	686	11.41	cps
Selenium	78-2	2617	2624	2594	2611	0.60	cps
Silicon	28-1	2866247	2946759	2933987	2915664	1.48	cps
Silver	107-1	146989	143504	157364	149286	4.83	cps
Silver	109-1	173615	134125	147564	151768	13.23	cps
Sodium	23-2	60970	61720	61301	61330	0.61	cps
Strontium	86-1	44367	44113	44377	44285	0.34	cps
Strontium	88-1	384078	388254	389066	387133	0.69	cps
Sulfur	34-1	88880	87998	86992	87957	1.07	cps
Terbium	159-1	5690313	5685769	5606061	5660715	0.84	cps
Terbium	159-2	3776562	3757296	3327998	3620619	7.00	cps
Thallium	203-1	156952	154752	156282	155995	0.72	cps
Thallium	205-1	364417	374909	372885	370737	1.50	cps
Tin	118-1	5121	5284	5504	5303	3.63	cps
Titanium	47-1	156678	157978	161057	158571	1.42	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYE453SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:03:29	DataFile Name :	125SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	5261	4918	4954	5044	3.74	cps
Vanadium	51-2	890334	888624	895186	891382	0.38	cps
Yttrium	89-1	7465028	7521743	7479814	7488862	0.39	cps
Yttrium	89-2	2197885	2196173	1894488	2096182	8.33	cps
Zinc	66-2	191728	192197	193244	192390	0.40	cps
Zirconium	90-1	26531	27032	26915	26826	0.98	cps
Zirconium	91-1	6005	5915	5998	5972	0.84	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:06:41	DataFile Name :	126SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1583460	1607945	1598659	1596688	0.77	cps
Antimony	121-1	2647	2637	2717	2667	1.63	cps
Arsenic	75-2	10514	11064	11258	10945	3.53	cps
Barium	135-1	174390	177964	178888	177081	1.34	cps
Barium	137-1	302641	303867	306595	304368	0.66	cps
Beryllium	9-1	293	247	200	247	18.92	cps
Bismuth	209-1	3526926	3518435	3465323	3503561	0.95	cps
Bismuth	209-2	2608219	2649264	2660213	2639232	1.04	cps
Bromine	81-1	5344	4948	5501	5264	5.42	cps
Bromine	81-2	160	137	133	143	10.13	cps
Cadmium	108-1	60	70	53	61	13.73	cps
Cadmium	106-1	1017	1090	1117	1074	4.82	cps
Cadmium	111-1	1253	1281	1371	1302	4.74	cps
Calcium	43-1	73189	74066	74083	73779	0.69	cps
Calcium	44-1	1205955	1216115	1226243	1216104	0.83	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	68448	67560	67410	67806	0.83	cps
Cobalt	59-2	47602	46669	47682	47318	1.19	cps
Copper	63-2	205410	203518	204718	204548	0.47	cps
Dysprosium	156-1	10090	9974	9563	9876	2.80	cps
Dysprosium	156-2	8329	8739	8062	8377	4.07	cps
Erbium	164-1	7819	8112	8152	8028	2.27	cps
Erbium	164-2	5538	5481	5571	5530	0.82	cps
Gadolinium	160-1	9503	9310	9063	9292	2.37	cps
Gadolinium	160-2	6732	6802	6985	6840	1.91	cps
Holmium	165-1	5477200	5515135	5518986	5503774	0.42	cps
Holmium	165-2	3810884	3749711	3786808	3782468	0.81	cps
Indium	115-1	4358146	4416877	4391981	4389001	0.67	cps
Indium	115-2	1684453	1669845	1631712	1662003	1.64	cps
Iron	56-2	50416153	49840148	49891926	50049409	0.64	cps
Iron	57-2	1265930	1259227	1258296	1261151	0.33	cps
Iron	54-2	2793061	2763974	2752260	2769765	0.76	cps
Krypton	83-1	203	167	187	186	9.89	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:06:41	DataFile Name :	126SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	68250	69376	68655	68760	0.83	cps
Lead	207-1	59329	60042	59717	59696	0.60	cps
Lead	208-1	267781	272712	271283	270592	0.94	cps
Lithium	6-1	540956	550438	543802	545065	0.89	cps
Magnesium	24-2	1189795	1185586	1190838	1188739	0.23	cps
Manganese	55-2	1441186	1442903	1445545	1443211	0.15	cps
Molybdenum	94-1	13873	13600	14310	13928	2.57	cps
Molybdenum	95-1	907	1023	907	946	7.12	cps
Molybdenum	96-1	3637	3867	3807	3771	3.16	cps
Molybdenum	97-1	560	603	493	552	10.03	cps
Molybdenum	98-1	1440	1490	1383	1438	3.71	cps
Neodymium	150-1	18108	19193	19196	18833	3.33	cps
Neodymium	150-2	11265	11301	11168	11245	0.61	cps
Nickel	60-2	23542	23031	23001	23191	1.31	cps
Phosphorus	31-2	4117	4151	4257	4175	1.75	cps
Potassium	39-2	886478	886356	881391	884741	0.33	cps
Rhodium	103-1	4053035	4140953	4187518	4127169	1.65	cps
Rhodium	103-2	2770741	2766478	2712229	2749816	1.19	cps
Scandium	45-1	2359173	2368254	2363013	2363480	0.19	cps
Scandium	45-2	266506	268047	264749	266434	0.62	cps
Selenium	82-1	241	280	264	262	7.51	cps
Selenium	77-2	30	30	40	33	17.32	cps
Selenium	78-2	367	303	243	304	20.26	cps
Silicon	28-1	3034497	3041189	3050655	3042114	0.27	cps
Silver	107-1	1323	1313	1330	1322	0.63	cps
Silver	109-1	1413	1307	1160	1293	9.83	cps
Sodium	23-2	55292	54396	54195	54628	1.07	cps
Strontium	86-1	40205	40709	41184	40699	1.20	cps
Strontium	88-1	349372	360431	358383	356062	1.65	cps
Sulfur	34-1	89570	88041	87663	88425	1.14	cps
Terbium	159-1	5668495	5667800	5676719	5671004	0.09	cps
Terbium	159-2	3764601	3739740	3701566	3735302	0.85	cps
Thallium	203-1	563	647	513	574	11.73	cps
Thallium	205-1	1330	1327	1257	1305	3.17	cps
Tin	118-1	5358	5418	5354	5377	0.66	cps
Titanium	47-1	174218	178149	175070	175812	1.18	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:06:41	DataFile Name :	126SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3400	3647	3677	3575	4.25	cps
Vanadium	51-2	96704	95661	95657	96007	0.63	cps
Yttrium	89-1	7373916	7387382	7389273	7383524	0.11	cps
Yttrium	89-2	2215262	2209866	2137664	2187598	1.98	cps
Zinc	66-2	29954	29880	29710	29848	0.42	cps
Zirconium	90-1	36295	36903	36535	36578	0.84	cps
Zirconium	91-1	8046	8149	7966	8053	1.14	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-13DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:09:53	DataFile Name :	127SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1671427	1660558	1647290	1659758	0.73	cps
Antimony	121-1	2547	2524	2694	2588	3.56	cps
Arsenic	75-2	11124	11221	10907	11084	1.45	cps
Barium	135-1	178686	177798	178577	178354	0.27	cps
Barium	137-1	307309	317019	311313	311880	1.56	cps
Beryllium	9-1	250	250	257	252	1.53	cps
Bismuth	209-1	3434480	3440452	3358745	3411226	1.34	cps
Bismuth	209-2	2642167	2686579	2662134	2663627	0.84	cps
Bromine	81-1	5328	5431	5318	5359	1.17	cps
Bromine	81-2	147	153	187	162	13.21	cps
Cadmium	108-1	73	57	63	64	13.01	cps
Cadmium	106-1	1063	1087	1097	1082	1.58	cps
Cadmium	111-1	1240	1398	1330	1323	5.99	cps
Calcium	43-1	75992	76170	78238	76800	1.63	cps
Calcium	44-1	1202160	1219709	1224859	1215576	0.98	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	70661	70621	70952	70745	0.26	cps
Cobalt	59-2	49304	49123	49077	49168	0.24	cps
Copper	63-2	212238	210602	210092	210977	0.53	cps
Dysprosium	156-1	10174	10304	10040	10173	1.30	cps
Dysprosium	156-2	8910	9273	9163	9115	2.05	cps
Erbium	164-1	8233	8056	8306	8198	1.57	cps
Erbium	164-2	5668	5678	5621	5656	0.53	cps
Gadolinium	160-1	9343	9867	9997	9736	3.55	cps
Gadolinium	160-2	7162	6792	7225	7060	3.32	cps
Holmium	165-1	5634794	5440809	5473025	5516209	1.88	cps
Holmium	165-2	3771119	3751122	3768202	3763481	0.29	cps
Indium	115-1	4409086	4359351	4362578	4377005	0.64	cps
Indium	115-2	1683891	1654849	1638567	1659102	1.38	cps
Iron	56-2	51986726	51818218	52121983	51975642	0.29	cps
Iron	57-2	1299795	1311979	1307228	1306334	0.47	cps
Iron	54-2	2855541	2889344	2873857	2872914	0.59	cps
Krypton	83-1	223	180	160	188	17.24	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-13DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:09:53	DataFile Name :	127SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	71202	70790	70260	70751	0.67	cps
Lead	207-1	61191	63782	61240	62071	2.39	cps
Lead	208-1	277691	284339	282676	281569	1.23	cps
Lithium	6-1	527363	530164	526380	527969	0.37	cps
Magnesium	24-2	1255761	1226714	1232523	1238333	1.24	cps
Manganese	55-2	1473402	1456356	1456397	1462052	0.67	cps
Molybdenum	94-1	13373	13730	14327	13810	3.49	cps
Molybdenum	95-1	1140	1060	1007	1069	6.28	cps
Molybdenum	96-1	3674	3824	4037	3845	4.75	cps
Molybdenum	97-1	557	577	687	607	11.54	cps
Molybdenum	98-1	1333	1390	1503	1409	6.14	cps
Neodymium	150-1	18956	19290	19320	19189	1.05	cps
Neodymium	150-2	11655	11295	11785	11578	2.19	cps
Nickel	60-2	24069	23629	23508	23736	1.24	cps
Phosphorus	31-2	4491	4117	4407	4338	4.52	cps
Potassium	39-2	924689	918569	923871	922376	0.36	cps
Rhodium	103-1	4115513	4078984	4054018	4082838	0.76	cps
Rhodium	103-2	2744442	2748758	2751933	2748377	0.14	cps
Scandium	45-1	2378947	2390172	2362410	2377176	0.59	cps
Scandium	45-2	268149	268337	267894	268127	0.08	cps
Selenium	82-1	232	232	301	255	15.44	cps
Selenium	77-2	40	43	40	41	4.68	cps
Selenium	78-2	390	320	363	358	9.87	cps
Silicon	28-1	2906243	2873793	2857687	2879241	0.86	cps
Silver	107-1	1350	1167	1233	1250	7.42	cps
Silver	109-1	1070	1240	1180	1163	7.41	cps
Sodium	23-2	55653	54486	55948	55362	1.40	cps
Strontium	86-1	42411	42819	42889	42706	0.60	cps
Strontium	88-1	364869	371440	376479	370929	1.57	cps
Sulfur	34-1	89343	89044	87636	88674	1.03	cps
Terbium	159-1	5753217	5675029	5542520	5656922	1.88	cps
Terbium	159-2	3759061	3815017	3750218	3774765	0.93	cps
Thallium	203-1	560	493	523	526	6.35	cps
Thallium	205-1	1193	1200	1323	1239	5.91	cps
Tin	118-1	5471	5324	5361	5385	1.42	cps
Titanium	47-1	180032	178771	182041	180281	0.91	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-13DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:09:53	DataFile Name :	127SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3627	3917	3697	3747	4.04	cps
Vanadium	51-2	100743	99938	100076	100252	0.43	cps
Yttrium	89-1	7402314	7395549	7248961	7348941	1.18	cps
Yttrium	89-2	2250605	2198341	2183082	2210676	1.60	cps
Zinc	66-2	31750	30772	30698	31073	1.89	cps
Zirconium	90-1	36349	36816	36803	36656	0.73	cps
Zirconium	91-1	8132	8209	8242	8195	0.69	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYE481L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 19:13:05	DataFile Name :	128SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	304322	301363	303292	302992	0.50	cps
Antimony	121-1	543	387	517	482	17.38	cps
Arsenic	75-2	2150	2013	1960	2041	4.80	cps
Barium	135-1	33392	33910	32761	33355	1.73	cps
Barium	137-1	56753	58185	58536	57825	1.63	cps
Beryllium	9-1	47	73	47	56	27.71	cps
Bismuth	209-1	3441805	3482638	3488237	3470894	0.73	cps
Bismuth	209-2	2603338	2646904	2658355	2636199	1.10	cps
Bromine	81-1	4868	5128	4978	4991	2.62	cps
Bromine	81-2	63	63	73	67	8.66	cps
Cadmium	108-1	20	17	13	17	20.01	cps
Cadmium	106-1	937	940	840	906	6.27	cps
Cadmium	111-1	748	733	709	730	2.74	cps
Calcium	43-1	14140	14240	14824	14401	2.57	cps
Calcium	44-1	238125	238748	240412	239095	0.49	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	13253	13062	13199	13171	0.74	cps
Cobalt	59-2	9170	9200	9140	9170	0.33	cps
Copper	63-2	38844	39405	38657	38968	1.00	cps
Dysprosium	156-1	1850	1847	1817	1838	1.00	cps
Dysprosium	156-2	1510	1720	1687	1639	6.89	cps
Erbium	164-1	1637	1500	1600	1579	4.48	cps
Erbium	164-2	993	1030	910	978	6.29	cps
Gadolinium	160-1	1847	1773	1777	1799	2.30	cps
Gadolinium	160-2	1327	1300	1393	1340	3.59	cps
Holmium	165-1	5492508	5478401	5436482	5469130	0.53	cps
Holmium	165-2	3690997	3758633	3696887	3715506	1.01	cps
Indium	115-1	4481367	4388619	4386285	4418757	1.23	cps
Indium	115-2	1623596	1637398	1646613	1635869	0.71	cps
Iron	56-2	9403207	9442340	9578628	9474725	0.97	cps
Iron	57-2	239159	240703	239640	239834	0.33	cps
Iron	54-2	533322	532985	531391	532566	0.19	cps
Krypton	83-1	210	153	127	163	26.05	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYE481L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 19:13:05	DataFile Name :	128SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13410	13220	13267	13299	0.75	cps
Lead	207-1	11178	11588	11698	11488	2.39	cps
Lead	208-1	52170	51979	52740	52296	0.76	cps
Lithium	6-1	512938	539801	524403	525714	2.56	cps
Magnesium	24-2	227422	225288	227096	226602	0.51	cps
Manganese	55-2	271490	273491	269955	271645	0.65	cps
Molybdenum	94-1	2770	2674	2650	2698	2.36	cps
Molybdenum	95-1	220	217	177	204	11.79	cps
Molybdenum	96-1	780	713	777	757	4.96	cps
Molybdenum	97-1	120	127	157	134	14.53	cps
Molybdenum	98-1	273	290	290	284	3.38	cps
Neodymium	150-1	3364	3714	3560	3546	4.95	cps
Neodymium	150-2	1973	1994	2137	2035	4.38	cps
Nickel	60-2	4484	4507	4407	4466	1.17	cps
Phosphorus	31-2	920	783	867	857	8.04	cps
Potassium	39-2	223189	224881	222699	223590	0.51	cps
Rhodium	103-1	4094687	4072177	4153533	4106799	1.02	cps
Rhodium	103-2	2730564	2744529	2765109	2746734	0.63	cps
Scandium	45-1	2366432	2380628	2333485	2360182	1.02	cps
Scandium	45-2	260139	260233	262013	260795	0.40	cps
Selenium	82-1	191	271	330	264	26.38	cps
Selenium	77-2	13	3	20	12	68.66	cps
Selenium	78-2	327	273	317	306	9.28	cps
Silicon	28-1	713664	725177	726101	721647	0.96	cps
Silver	107-1	273	300	273	282	5.46	cps
Silver	109-1	207	240	180	209	14.39	cps
Sodium	23-2	32588	32625	33192	32802	1.03	cps
Strontium	86-1	7825	8012	8192	8010	2.29	cps
Strontium	88-1	67417	68961	69185	68521	1.41	cps
Sulfur	34-1	89768	88035	87834	88546	1.20	cps
Terbium	159-1	5606662	5601498	5642620	5616927	0.40	cps
Terbium	159-2	3681212	3666848	3679147	3675735	0.21	cps
Thallium	203-1	177	180	167	174	3.98	cps
Thallium	205-1	357	337	353	349	3.07	cps
Tin	118-1	4507	4471	4457	4479	0.58	cps
Titanium	47-1	32792	33103	33350	33082	0.84	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYE481L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 19:13:05	DataFile Name :	128SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	690	647	660	666	3.33	cps
Vanadium	51-2	18829	18308	17987	18375	2.31	cps
Yttrium	89-1	7299253	7288641	7254455	7280783	0.32	cps
Yttrium	89-2	2154016	2167987	2198048	2173350	1.04	cps
Zinc	66-2	6582	6181	6632	6465	3.82	cps
Zirconium	90-1	6878	7289	7045	7071	2.92	cps
Zirconium	91-1	1590	1637	1557	1595	2.52	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-14DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:16:21	DataFile Name :	129SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1635516	1635876	1626063	1632485	0.34	cps
Antimony	121-1	83775	86015	86551	85447	1.72	cps
Arsenic	75-2	13056	12749	13119	12975	1.53	cps
Barium	135-1	561953	569194	571065	567404	0.85	cps
Barium	137-1	974325	990424	995942	986897	1.14	cps
Beryllium	9-1	4681	4944	4797	4807	2.75	cps
Bismuth	209-1	3457664	3558685	3513232	3509861	1.44	cps
Bismuth	209-2	2638982	2688744	2645693	2657807	1.02	cps
Bromine	81-1	5188	5318	5348	5284	1.61	cps
Bromine	81-2	163	167	157	162	3.14	cps
Cadmium	108-1	757	750	750	752	0.51	cps
Cadmium	106-1	2007	1947	1867	1940	3.62	cps
Cadmium	111-1	11122	11308	11663	11364	2.42	cps
Calcium	43-1	70161	73015	72539	71905	2.13	cps
Calcium	44-1	1174579	1203932	1210272	1196261	1.59	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	149105	149627	149492	149408	0.18	cps
Cobalt	59-2	351195	353067	351258	351840	0.30	cps
Copper	63-2	306613	305283	302259	304719	0.73	cps
Dysprosium	156-1	9340	9723	9573	9546	2.02	cps
Dysprosium	156-2	8459	8449	8606	8505	1.03	cps
Erbium	164-1	7549	7866	7772	7729	2.11	cps
Erbium	164-2	5418	4978	5818	5404	7.78	cps
Gadolinium	160-1	9043	8850	9270	9054	2.32	cps
Gadolinium	160-2	6522	6562	6865	6649	2.82	cps
Holmium	165-1	5518128	5445022	5515155	5492768	0.75	cps
Holmium	165-2	3756936	3793899	3761664	3770833	0.53	cps
Indium	115-1	4417459	4382110	4395041	4398203	0.41	cps
Indium	115-2	1635403	1661164	1653502	1650023	0.80	cps
Iron	56-2	49487144	49438168	49809988	49578433	0.41	cps
Iron	57-2	1248546	1248079	1248776	1248467	0.03	cps
Iron	54-2	2755744	2759395	2789821	2768320	0.68	cps
Krypton	83-1	203	157	217	192	16.39	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-14DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:16:21	DataFile Name :	129SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	76819	78039	79776	78211	1.90	cps
Lead	207-1	67520	68964	67979	68154	1.08	cps
Lead	208-1	304209	308576	310323	307702	1.02	cps
Lithium	6-1	532631	539317	544083	538677	1.07	cps
Magnesium	24-2	1173088	1161488	1157596	1164057	0.69	cps
Manganese	55-2	1560547	1587405	1598476	1582143	1.23	cps
Molybdenum	94-1	13003	13780	13653	13479	3.09	cps
Molybdenum	95-1	973	933	850	919	6.85	cps
Molybdenum	96-1	3414	3600	3547	3520	2.73	cps
Molybdenum	97-1	610	607	533	583	7.43	cps
Molybdenum	98-1	1287	1450	1543	1427	9.11	cps
Neodymium	150-1	17624	18222	18302	18049	2.05	cps
Neodymium	150-2	10761	10968	11328	11019	2.60	cps
Nickel	60-2	99876	100212	101564	100551	0.89	cps
Phosphorus	31-2	4197	4114	4094	4135	1.33	cps
Potassium	39-2	869963	873430	871565	871653	0.20	cps
Rhodium	103-1	4092512	4117162	4113408	4107694	0.32	cps
Rhodium	103-2	2777514	2720036	2764495	2754015	1.09	cps
Scandium	45-1	2391153	2363587	2391671	2382137	0.67	cps
Scandium	45-2	266877	266279	268093	267083	0.35	cps
Selenium	82-1	1520	1561	1598	1560	2.50	cps
Selenium	77-2	203	177	193	191	7.05	cps
Selenium	78-2	823	880	970	891	8.30	cps
Silicon	28-1	2953865	2981555	3019058	2984826	1.10	cps
Silver	107-1	41873	43599	44130	43201	2.73	cps
Silver	109-1	40804	41075	41402	41094	0.73	cps
Sodium	23-2	53078	53289	53051	53139	0.24	cps
Strontium	86-1	39724	40298	40783	40268	1.32	cps
Strontium	88-1	346715	354249	355098	352020	1.31	cps
Sulfur	34-1	90640	88038	87790	88823	1.78	cps
Terbium	159-1	5655050	5730778	5681019	5688949	0.68	cps
Terbium	159-2	3761296	3701303	3754874	3739158	0.88	cps
Thallium	203-1	34738	35139	34992	34956	0.58	cps
Thallium	205-1	81938	82827	82981	82582	0.68	cps
Tin	118-1	5464	5468	5508	5480	0.44	cps
Titanium	47-1	170792	174949	173556	173099	1.22	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-14DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:16:21	DataFile Name :	129SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3414	3741	3604	3586	4.58	cps
Vanadium	51-2	276336	277112	277797	277082	0.26	cps
Yttrium	89-1	7307534	7322011	7375155	7334900	0.49	cps
Yttrium	89-2	2185711	2212670	2191720	2196701	0.64	cps
Zinc	66-2	64294	64716	66417	65142	1.73	cps
Zirconium	90-1	34681	36161	36713	35852	2.93	cps
Zirconium	91-1	7709	7892	8242	7948	3.41	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:19:35	DataFile Name :	130SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1710421	1746413	1715950	1724261	1.12	cps
Antimony	121-1	371099	377162	378973	375745	1.10	cps
Arsenic	75-2	20648	20618	19877	20381	2.14	cps
Barium	135-1	2035403	2034236	2086226	2051955	1.45	cps
Barium	137-1	3535942	3585137	3571447	3564175	0.71	cps
Beryllium	9-1	19806	19940	20404	20050	1.56	cps
Bismuth	209-1	3635523	3504491	3479517	3539844	2.37	cps
Bismuth	209-2	2724083	2646724	2645886	2672231	1.68	cps
Bromine	81-1	5468	5291	5118	5292	3.31	cps
Bromine	81-2	133	140	180	151	16.70	cps
Cadmium	108-1	2990	2934	3177	3034	4.20	cps
Cadmium	106-1	5114	4918	5141	5058	2.41	cps
Cadmium	111-1	44902	46452	45813	45722	1.70	cps
Calcium	43-1	70510	71939	71665	71371	1.06	cps
Calcium	44-1	1159174	1188036	1193112	1180107	1.55	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	418152	419324	419536	419004	0.18	cps
Cobalt	59-2	1352468	1360173	1357611	1356751	0.29	cps
Copper	63-2	641257	641909	644356	642508	0.25	cps
Dysprosium	156-1	9220	9780	9163	9388	3.63	cps
Dysprosium	156-2	8393	8272	8453	8373	1.10	cps
Erbium	164-1	7769	7829	7776	7791	0.42	cps
Erbium	164-2	5251	5358	5451	5353	1.87	cps
Gadolinium	160-1	9080	8920	9060	9020	0.97	cps
Gadolinium	160-2	6748	6648	6748	6715	0.86	cps
Holmium	165-1	5737734	5561573	5466144	5588484	2.47	cps
Holmium	165-2	3826402	3797635	3753848	3792628	0.96	cps
Indium	115-1	4553149	4387654	4465267	4468690	1.85	cps
Indium	115-2	1659481	1649267	1629026	1645925	0.94	cps
Iron	56-2	50135339	50249319	50058181	50147613	0.19	cps
Iron	57-2	1258589	1263250	1259828	1260556	0.19	cps
Iron	54-2	2791007	2782853	2802889	2792250	0.36	cps
Krypton	83-1	213	197	193	201	5.33	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:19:35	DataFile Name :	130SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	117788	117832	117761	117794	0.03	cps
Lead	207-1	101149	100398	101667	101071	0.63	cps
Lead	208-1	460080	463872	465683	463212	0.62	cps
Lithium	6-1	556432	542436	540117	546328	1.62	cps
Magnesium	24-2	1145478	1144153	1144706	1144779	0.06	cps
Manganese	55-2	2008063	2007831	2031016	2015637	0.66	cps
Molybdenum	94-1	12959	13726	13690	13458	3.22	cps
Molybdenum	95-1	1110	940	987	1012	8.68	cps
Molybdenum	96-1	3390	3420	3554	3455	2.52	cps
Molybdenum	97-1	550	600	520	557	7.26	cps
Molybdenum	98-1	1483	1493	1443	1473	1.80	cps
Neodymium	150-1	18342	18242	18152	18245	0.52	cps
Neodymium	150-2	10988	10748	11168	10968	1.92	cps
Nickel	60-2	358194	355734	357531	357153	0.36	cps
Phosphorus	31-2	3881	3911	4057	3949	2.39	cps
Potassium	39-2	857587	860070	859622	859093	0.15	cps
Rhodium	103-1	4335036	4115566	4077897	4176166	3.33	cps
Rhodium	103-2	2737353	2737248	2708895	2727832	0.60	cps
Scandium	45-1	2455687	2377727	2372570	2401995	1.94	cps
Scandium	45-2	266004	267505	264980	266163	0.48	cps
Selenium	82-1	6182	6095	6367	6215	2.24	cps
Selenium	77-2	817	753	763	778	4.38	cps
Selenium	78-2	2790	2627	2800	2739	3.55	cps
Silicon	28-1	2863314	2894924	2862367	2873535	0.64	cps
Silver	107-1	166320	142509	163285	157371	8.24	cps
Silver	109-1	159230	142455	138324	146670	7.55	cps
Sodium	23-2	51877	53198	52843	52639	1.30	cps
Strontium	86-1	38530	39022	40038	39197	1.96	cps
Strontium	88-1	341821	350345	349142	347103	1.33	cps
Sulfur	34-1	90549	88541	88574	89222	1.29	cps
Terbium	159-1	5852397	5678803	5690539	5740579	1.69	cps
Terbium	159-2	3735834	3795320	3775829	3768994	0.80	cps
Thallium	203-1	151489	153231	156445	153722	1.64	cps
Thallium	205-1	364404	367577	367298	366426	0.48	cps
Tin	118-1	5354	5468	5428	5417	1.06	cps
Titanium	47-1	167217	170081	171139	169479	1.20	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYE481SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:19:35	DataFile Name :	130SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3470	3227	3330	3343	3.65	cps
Vanadium	51-2	877560	876340	872784	875562	0.28	cps
Yttrium	89-1	7604899	7415372	7387219	7469163	1.59	cps
Yttrium	89-2	2158320	2174752	2201683	2178251	1.01	cps
Zinc	66-2	181264	182072	182329	181888	0.31	cps
Zirconium	90-1	34320	35369	36078	35256	2.51	cps
Zirconium	91-1	7515	8039	8002	7852	3.72	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:22:44	DataFile Name :	131SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1658359	1646318	1681033	1661903	1.06	cps
Antimony	121-1	2810	2754	2794	2786	1.05	cps
Arsenic	75-2	9029	9323	9066	9140	1.75	cps
Barium	135-1	192097	195580	193777	193818	0.90	cps
Barium	137-1	331699	334055	334444	333400	0.45	cps
Beryllium	9-1	250	287	193	243	19.32	cps
Bismuth	209-1	3393792	3479891	3629842	3501175	3.41	cps
Bismuth	209-2	2601479	2666374	2663066	2643640	1.38	cps
Bromine	81-1	5311	5371	5251	5311	1.13	cps
Bromine	81-2	173	183	150	169	10.13	cps
Cadmium	108-1	60	40	40	47	24.74	cps
Cadmium	106-1	1050	1087	1150	1096	4.62	cps
Cadmium	111-1	990	979	1040	1003	3.26	cps
Calcium	43-1	89677	92376	94354	92136	2.55	cps
Calcium	44-1	1432672	1435722	1466877	1445090	1.31	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	60236	59955	60159	60117	0.24	cps
Cobalt	59-2	43637	44536	43837	44003	1.07	cps
Copper	63-2	122184	120964	121485	121544	0.50	cps
Dysprosium	156-1	9070	9547	9707	9441	3.51	cps
Dysprosium	156-2	8676	8146	8376	8399	3.17	cps
Erbium	164-1	7212	7225	7819	7419	4.67	cps
Erbium	164-2	4871	5091	4964	4975	2.22	cps
Gadolinium	160-1	8903	8970	8873	8915	0.56	cps
Gadolinium	160-2	6535	6652	6418	6535	1.79	cps
Holmium	165-1	5520530	5562278	5449292	5510700	1.04	cps
Holmium	165-2	3728056	3770223	3768298	3755525	0.63	cps
Indium	115-1	4441304	4455998	4352755	4416686	1.26	cps
Indium	115-2	1647730	1623463	1649746	1640313	0.89	cps
Iron	56-2	51004538	51220438	50855453	51026809	0.36	cps
Iron	57-2	1289063	1290471	1292738	1290758	0.14	cps
Iron	54-2	2812549	2867042	2849334	2842975	0.98	cps
Krypton	83-1	163	230	137	177	27.21	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:22:44	DataFile Name :	131SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	37889	39454	38682	38675	2.02	cps
Lead	207-1	32769	33742	33067	33193	1.50	cps
Lead	208-1	150951	151962	153368	152094	0.80	cps
Lithium	6-1	522573	531377	552219	535390	2.84	cps
Magnesium	24-2	1246803	1244891	1256606	1249433	0.50	cps
Manganese	55-2	878551	885708	898065	887441	1.11	cps
Molybdenum	94-1	15101	15418	15465	15328	1.29	cps
Molybdenum	95-1	900	740	800	813	9.94	cps
Molybdenum	96-1	3527	3754	3751	3677	3.53	cps
Molybdenum	97-1	447	550	490	496	10.47	cps
Molybdenum	98-1	1297	1220	1180	1232	4.81	cps
Neodymium	150-1	18773	18716	19450	18980	2.15	cps
Neodymium	150-2	11622	11315	11575	11504	1.44	cps
Nickel	60-2	24984	24817	25235	25012	0.84	cps
Phosphorus	31-2	4908	5018	5228	5051	3.22	cps
Potassium	39-2	814274	817384	824533	818730	0.64	cps
Rhodium	103-1	3991610	4287103	4103214	4127309	3.62	cps
Rhodium	103-2	2720633	2758144	2731528	2736769	0.71	cps
Scandium	45-1	2385911	2364078	2415145	2388378	1.07	cps
Scandium	45-2	264478	264879	265713	265023	0.24	cps
Selenium	82-1	290	207	281	259	17.50	cps
Selenium	77-2	47	40	40	42	9.12	cps
Selenium	78-2	360	333	380	358	6.54	cps
Silicon	28-1	2236390	2309182	2248215	2264596	1.72	cps
Silver	107-1	820	713	537	690	20.74	cps
Silver	109-1	773	587	567	642	17.75	cps
Sodium	23-2	67333	67541	68421	67765	0.85	cps
Strontium	86-1	92139	95014	94246	93800	1.59	cps
Strontium	88-1	819719	820365	828705	822930	0.61	cps
Sulfur	34-1	89024	89832	91250	90035	1.25	cps
Terbium	159-1	5622848	5665077	5537525	5608483	1.16	cps
Terbium	159-2	3689042	3691596	3784035	3721558	1.45	cps
Thallium	203-1	383	467	443	431	9.97	cps
Thallium	205-1	917	953	1053	974	7.26	cps
Tin	118-1	5838	6038	5655	5843	3.28	cps
Titanium	47-1	178739	184157	182156	181684	1.51	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:22:44	DataFile Name :	131SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3921	3757	3787	3822	2.28	cps
Vanadium	51-2	101089	102156	101133	101460	0.60	cps
Yttrium	89-1	7240272	7203870	7551673	7331939	2.61	cps
Yttrium	89-2	2171557	2151945	2200036	2174513	1.11	cps
Zinc	66-2	23208	22981	22514	22901	1.55	cps
Zirconium	90-1	39780	40385	40259	40141	0.79	cps
Zirconium	91-1	8993	8933	9093	9006	0.90	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-06DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:25:58	DataFile Name :	132SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1753372	1778116	1747045	1759511	0.93	cps
Antimony	121-1	2694	2750	2844	2763	2.74	cps
Arsenic	75-2	9797	9403	9600	9600	2.05	cps
Barium	135-1	200724	204379	211409	205504	2.64	cps
Barium	137-1	356303	363732	353377	357804	1.49	cps
Beryllium	9-1	263	167	213	214	22.54	cps
Bismuth	209-1	3495355	3436353	3414021	3448576	1.22	cps
Bismuth	209-2	2665726	2598721	2631338	2631928	1.27	cps
Bromine	81-1	5341	5204	5214	5253	1.45	cps
Bromine	81-2	180	193	180	184	4.18	cps
Cadmium	108-1	17	63	60	47	55.78	cps
Cadmium	106-1	1093	1090	1027	1070	3.51	cps
Cadmium	111-1	1037	1005	960	1001	3.87	cps
Calcium	43-1	93385	95193	96588	95055	1.69	cps
Calcium	44-1	1481876	1522777	1532017	1512223	1.76	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	65163	64521	64280	64655	0.71	cps
Cobalt	59-2	45332	46402	45114	45616	1.51	cps
Copper	63-2	128883	128815	126876	128191	0.89	cps
Dysprosium	156-1	9980	10087	10247	10105	1.33	cps
Dysprosium	156-2	8830	8896	8906	8877	0.47	cps
Erbium	164-1	7625	7626	7899	7717	2.05	cps
Erbium	164-2	5531	5384	5318	5411	2.02	cps
Gadolinium	160-1	9437	9737	9196	9457	2.86	cps
Gadolinium	160-2	7022	6885	6972	6960	0.99	cps
Holmium	165-1	5532216	5447938	5644383	5541512	1.78	cps
Holmium	165-2	3808501	3700033	3737282	3748605	1.47	cps
Indium	115-1	4438602	4341328	4503889	4427940	1.85	cps
Indium	115-2	1645777	1635879	1627500	1636385	0.56	cps
Iron	56-2	54792963	54227253	54121203	54380473	0.66	cps
Iron	57-2	1371202	1332587	1332071	1345287	1.67	cps
Iron	54-2	3030567	2976317	3041855	3016246	1.16	cps
Krypton	83-1	113	187	173	158	24.76	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-06DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:25:58	DataFile Name :	132SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	39644	40554	41928	40709	2.82	cps
Lead	207-1	34380	35162	35216	34919	1.34	cps
Lead	208-1	156452	157386	160169	158002	1.22	cps
Lithium	6-1	519175	524837	525960	523324	0.69	cps
Magnesium	24-2	1337534	1317293	1323506	1326111	0.78	cps
Manganese	55-2	943925	931667	932522	936038	0.73	cps
Molybdenum	94-1	15779	16199	16119	16032	1.39	cps
Molybdenum	95-1	800	860	893	851	5.56	cps
Molybdenum	96-1	4051	4207	4231	4163	2.35	cps
Molybdenum	97-1	430	527	463	473	10.37	cps
Molybdenum	98-1	1237	1323	1313	1291	3.67	cps
Neodymium	150-1	20101	19494	20355	19983	2.21	cps
Neodymium	150-2	12406	12492	12252	12383	0.98	cps
Nickel	60-2	26433	26801	26196	26477	1.15	cps
Phosphorus	31-2	5318	5318	5241	5292	0.84	cps
Potassium	39-2	868554	870521	872133	870403	0.21	cps
Rhodium	103-1	4232854	4218818	4108793	4186822	1.62	cps
Rhodium	103-2	2742827	2747179	2787550	2759185	0.89	cps
Scandium	45-1	2397039	2388308	2418200	2401182	0.64	cps
Scandium	45-2	268277	264748	268213	267079	0.76	cps
Selenium	82-1	346	333	283	321	10.28	cps
Selenium	77-2	43	30	23	32	31.61	cps
Selenium	78-2	443	393	367	401	9.70	cps
Silicon	28-1	2278145	2279839	2295424	2284469	0.42	cps
Silver	107-1	487	520	487	498	3.87	cps
Silver	109-1	497	497	457	483	4.78	cps
Sodium	23-2	69252	68545	69590	69129	0.77	cps
Strontium	86-1	99658	101715	101289	100887	1.08	cps
Strontium	88-1	858398	877826	876082	870769	1.23	cps
Sulfur	34-1	91974	91606	91978	91852	0.23	cps
Terbium	159-1	5830371	5845111	5484499	5719994	3.57	cps
Terbium	159-2	3760751	3769539	3745223	3758504	0.33	cps
Thallium	203-1	380	390	410	393	3.88	cps
Thallium	205-1	900	887	837	874	3.82	cps
Tin	118-1	5901	5935	6248	6028	3.17	cps
Titanium	47-1	191391	193344	196838	193858	1.42	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-06DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:25:58	DataFile Name :	132SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3831	3877	4027	3912	2.63	cps
Vanadium	51-2	109501	109085	109511	109365	0.22	cps
Yttrium	89-1	7364836	7375074	7331710	7357207	0.31	cps
Yttrium	89-2	2196825	2238102	2207747	2214225	0.97	cps
Zinc	66-2	24273	23776	24009	24019	1.04	cps
Zirconium	90-1	43210	43521	44427	43719	1.45	cps
Zirconium	91-1	9463	9650	9687	9600	1.25	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYE494L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 19:29:09	DataFile Name :	133SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	331099	328496	329095	329563	0.41	cps
Antimony	121-1	487	550	527	521	6.15	cps
Arsenic	75-2	1793	1797	1660	1750	4.46	cps
Barium	135-1	38074	38392	38315	38260	0.43	cps
Barium	137-1	65393	66411	66364	66056	0.87	cps
Beryllium	9-1	43	43	53	47	12.37	cps
Bismuth	209-1	3461035	3453106	3420410	3444851	0.63	cps
Bismuth	209-2	2576863	2658641	2661709	2632404	1.83	cps
Bromine	81-1	4778	4871	4914	4854	1.44	cps
Bromine	81-2	107	57	73	79	32.27	cps
Cadmium	108-1	3	27	7	12	103.26	cps
Cadmium	106-1	1077	873	827	926	14.36	cps
Cadmium	111-1	831	639	617	696	16.91	cps
Calcium	43-1	18341	19156	18401	18633	2.44	cps
Calcium	44-1	305024	306972	310785	307594	0.95	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12782	12839	12792	12804	0.24	cps
Cobalt	59-2	8446	8446	8286	8392	1.10	cps
Copper	63-2	25168	24403	25054	24875	1.66	cps
Dysprosium	156-1	2027	1857	2114	1999	6.53	cps
Dysprosium	156-2	1650	1700	1683	1678	1.52	cps
Erbium	164-1	1370	1530	1450	1450	5.52	cps
Erbium	164-2	963	957	970	963	0.69	cps
Gadolinium	160-1	1697	1797	1950	1815	7.03	cps
Gadolinium	160-2	1487	1330	1437	1418	5.64	cps
Holmium	165-1	5424415	5526936	5418200	5456517	1.12	cps
Holmium	165-2	3590630	3706724	3704246	3667200	1.81	cps
Indium	115-1	4456804	4436426	4364940	4419390	1.09	cps
Indium	115-2	1610889	1637266	1640516	1629557	1.00	cps
Iron	56-2	10244001	10262939	10148424	10218455	0.60	cps
Iron	57-2	262389	259924	258369	260227	0.78	cps
Iron	54-2	579670	578037	574084	577264	0.50	cps
Krypton	83-1	113	180	160	151	22.64	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYE494L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 19:29:09	DataFile Name :	133SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8069	7909	8092	8024	1.24	cps
Lead	207-1	6532	6692	6688	6637	1.38	cps
Lead	208-1	30650	30510	31408	30856	1.57	cps
Lithium	6-1	518646	530766	519389	522933	1.30	cps
Magnesium	24-2	252904	249135	250188	250742	0.78	cps
Manganese	55-2	178013	176610	177527	177383	0.40	cps
Molybdenum	94-1	2900	3197	3204	3100	5.59	cps
Molybdenum	95-1	197	157	193	182	12.18	cps
Molybdenum	96-1	773	733	837	781	6.67	cps
Molybdenum	97-1	80	100	123	101	21.45	cps
Molybdenum	98-1	290	260	290	280	6.19	cps
Neodymium	150-1	3807	3794	3681	3761	1.85	cps
Neodymium	150-2	2254	2167	2300	2240	3.02	cps
Nickel	60-2	5061	5214	4757	5011	4.64	cps
Phosphorus	31-2	1137	1043	1140	1107	4.96	cps
Potassium	39-2	217783	218245	219195	218408	0.33	cps
Rhodium	103-1	4100582	4073949	4096319	4090283	0.35	cps
Rhodium	103-2	2677806	2713650	2720545	2704000	0.85	cps
Scandium	45-1	2407297	2360406	2349391	2372365	1.30	cps
Scandium	45-2	255538	260189	259434	258387	0.97	cps
Selenium	82-1	319	237	255	270	15.87	cps
Selenium	77-2	20	7	17	14	48.02	cps
Selenium	78-2	330	297	317	314	5.34	cps
Silicon	28-1	570615	582849	583601	579022	1.26	cps
Silver	107-1	117	120	140	126	10.05	cps
Silver	109-1	107	90	130	109	18.45	cps
Sodium	23-2	34910	34111	34809	34610	1.26	cps
Strontium	86-1	18478	18825	18942	18749	1.29	cps
Strontium	88-1	161824	165467	166634	164642	1.52	cps
Sulfur	34-1	89842	90194	88135	89390	1.23	cps
Terbium	159-1	5583735	5612671	5558255	5584887	0.49	cps
Terbium	159-2	3584924	3620112	3724437	3643157	1.99	cps
Thallium	203-1	137	97	123	119	17.13	cps
Thallium	205-1	290	277	270	279	3.65	cps
Tin	118-1	4344	4454	4561	4453	2.43	cps
Titanium	47-1	35452	36461	36163	36025	1.44	cps

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Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYE494L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 19:29:09	DataFile Name :	133SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	717	753	757	742	2.99	cps
Vanadium	51-2	20130	19960	20147	20079	0.52	cps
Yttrium	89-1	7260568	7303378	7299481	7287809	0.32	cps
Yttrium	89-2	2118918	2146550	2154684	2140050	0.88	cps
Zinc	66-2	5118	5311	4991	5140	3.14	cps
Zirconium	90-1	8082	8239	8276	8199	1.25	cps
Zirconium	91-1	1873	1807	1873	1851	2.08	cps

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On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-07DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:32:27	DataFile Name :	134SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1763368	1749041	1746808	1753072	0.51	cps
Antimony	121-1	88745	88212	89161	88706	0.54	cps
Arsenic	75-2	11351	11828	11214	11465	2.81	cps
Barium	135-1	601718	607898	619955	609857	1.52	cps
Barium	137-1	1038734	1079705	1097211	1071883	2.80	cps
Beryllium	9-1	4714	5231	4807	4917	5.60	cps
Bismuth	209-1	3578686	3447071	3281428	3435728	4.34	cps
Bismuth	209-2	2639039	2668655	2637068	2648254	0.67	cps
Bromine	81-1	5458	5294	5478	5410	1.86	cps
Bromine	81-2	130	223	187	180	26.12	cps
Cadmium	108-1	650	747	713	703	6.98	cps
Cadmium	106-1	1857	1960	1827	1881	3.72	cps
Cadmium	111-1	11132	11187	11000	11106	0.86	cps
Calcium	43-1	93939	92778	93818	93512	0.68	cps
Calcium	44-1	1469858	1449743	1453840	1457814	0.73	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	148028	149701	147914	148548	0.67	cps
Cobalt	59-2	363020	365976	364819	364605	0.41	cps
Copper	63-2	231694	233173	231681	232183	0.37	cps
Dysprosium	156-1	9390	9503	9717	9537	1.74	cps
Dysprosium	156-2	8356	8266	8356	8326	0.62	cps
Erbium	164-1	7372	7422	7442	7412	0.49	cps
Erbium	164-2	5248	5234	5048	5177	2.16	cps
Gadolinium	160-1	8936	9186	9236	9120	1.76	cps
Gadolinium	160-2	6805	6808	6905	6840	0.83	cps
Holmium	165-1	5477562	5427751	5070930	5325414	4.16	cps
Holmium	165-2	3774455	3850345	3780555	3801785	1.11	cps
Indium	115-1	4344333	4439455	4155714	4313167	3.35	cps
Indium	115-2	1672967	1654994	1668361	1665441	0.56	cps
Iron	56-2	52432441	52611491	52548129	52530687	0.17	cps
Iron	57-2	1328339	1331589	1331675	1330534	0.14	cps
Iron	54-2	2948812	2970095	2962975	2960627	0.37	cps
Krypton	83-1	243	193	153	197	22.93	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-07DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:32:27	DataFile Name :	134SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	49349	49841	50125	49772	0.79	cps
Lead	207-1	41968	43433	44238	43213	2.66	cps
Lead	208-1	197266	198723	198674	198221	0.42	cps
Lithium	6-1	544420	516726	491141	517429	5.15	cps
Magnesium	24-2	1265106	1282858	1278077	1275347	0.72	cps
Manganese	55-2	1058819	1058505	1052673	1056665	0.33	cps
Molybdenum	94-1	15792	15255	15702	15583	1.85	cps
Molybdenum	95-1	683	773	740	732	6.21	cps
Molybdenum	96-1	3917	4104	4001	4007	2.33	cps
Molybdenum	97-1	460	447	480	462	3.63	cps
Molybdenum	98-1	1077	1257	1183	1172	7.72	cps
Neodymium	150-1	19640	19353	19430	19475	0.76	cps
Neodymium	150-2	11305	11488	11642	11478	1.47	cps
Nickel	60-2	107341	106505	106085	106644	0.60	cps
Phosphorus	31-2	5018	5244	5351	5204	3.27	cps
Potassium	39-2	842945	841444	843045	842478	0.11	cps
Rhodium	103-1	4185711	4096845	3956608	4079721	2.83	cps
Rhodium	103-2	2740529	2742108	2745845	2742827	0.10	cps
Scandium	45-1	2408334	2405643	2258566	2357514	3.64	cps
Scandium	45-2	270092	269240	267871	269068	0.42	cps
Selenium	82-1	1446	1635	1762	1614	9.85	cps
Selenium	77-2	203	200	207	203	1.64	cps
Selenium	78-2	890	833	913	879	4.68	cps
Silicon	28-1	2256174	2249748	2291984	2265969	1.00	cps
Silver	107-1	44093	44056	45411	44520	1.73	cps
Silver	109-1	40232	43696	42947	42292	4.31	cps
Sodium	23-2	66978	68475	67825	67759	1.11	cps
Strontium	86-1	93347	97060	97886	96098	2.52	cps
Strontium	88-1	838643	850855	854653	848050	0.99	cps
Sulfur	34-1	92746	91133	90834	91571	1.12	cps
Terbium	159-1	5686539	5754906	5461816	5634421	2.72	cps
Terbium	159-2	3827166	3760714	3700646	3762842	1.68	cps
Thallium	203-1	34921	35463	35911	35432	1.40	cps
Thallium	205-1	84236	82931	82968	83378	0.89	cps
Tin	118-1	6071	6035	6071	6059	0.35	cps
Titanium	47-1	181563	185853	186105	184507	1.38	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-07DLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:32:27	DataFile Name :	134SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3761	3904	4224	3963	5.99	cps
Vanadium	51-2	295058	297173	295116	295782	0.41	cps
Yttrium	89-1	7655126	7479732	6965241	7366700	4.87	cps
Yttrium	89-2	2215817	2214382	2197754	2209318	0.45	cps
Zinc	66-2	59793	59933	59511	59746	0.36	cps
Zirconium	90-1	40696	41034	40837	40856	0.42	cps
Zirconium	91-1	8859	9863	9943	9555	6.32	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:35:39	DataFile Name :	135SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1814667	1809914	1786913	1803831	0.82	cps
Antimony	121-1	365750	377402	376991	373381	1.77	cps
Arsenic	75-2	18682	18478	18351	18504	0.90	cps
Barium	135-1	2154171	2137540	2122617	2138110	0.74	cps
Barium	137-1	3662485	3771524	3832990	3755666	2.30	cps
Beryllium	9-1	20070	20510	20467	20349	1.19	cps
Bismuth	209-1	3536791	3482326	3517270	3512129	0.79	cps
Bismuth	209-2	2606262	2684998	2669097	2653452	1.57	cps
Bromine	81-1	5378	5538	5384	5433	1.67	cps
Bromine	81-2	190	210	183	194	7.14	cps
Cadmium	108-1	2910	3024	3060	2998	2.61	cps
Cadmium	106-1	4924	4958	5004	4962	0.81	cps
Cadmium	111-1	44815	45220	45551	45195	0.82	cps
Calcium	43-1	88500	90045	90719	89755	1.27	cps
Calcium	44-1	1415864	1438311	1465667	1439948	1.73	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	423871	425401	422053	423775	0.40	cps
Cobalt	59-2	1427007	1394765	1450470	1424081	1.96	cps
Copper	63-2	582756	582141	574412	579770	0.80	cps
Dysprosium	156-1	8950	9417	9297	9221	2.63	cps
Dysprosium	156-2	8082	8069	8202	8118	0.91	cps
Erbium	164-1	7212	7325	7245	7261	0.80	cps
Erbium	164-2	4768	4918	5018	4901	2.57	cps
Gadolinium	160-1	8586	8910	8810	8768	1.89	cps
Gadolinium	160-2	6432	6402	6445	6426	0.35	cps
Holmium	165-1	5527431	5602025	5604960	5578139	0.79	cps
Holmium	165-2	3763722	3771595	3775637	3770318	0.16	cps
Indium	115-1	4418415	4429716	4451494	4433208	0.38	cps
Indium	115-2	1647618	1636912	1670560	1651697	1.04	cps
Iron	56-2	52146593	52147773	51119739	51804701	1.15	cps
Iron	57-2	1311240	1303679	1304105	1306342	0.33	cps
Iron	54-2	2893071	2862615	2878786	2878158	0.53	cps
Krypton	83-1	220	193	200	204	6.79	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:35:39	DataFile Name :	135SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	87040	89190	87861	88030	1.23	cps
Lead	207-1	74845	75334	76997	75725	1.49	cps
Lead	208-1	341156	348197	345255	344869	1.03	cps
Lithium	6-1	526266	533074	527320	528887	0.69	cps
Magnesium	24-2	1213875	1220886	1204397	1213052	0.68	cps
Manganese	55-2	1518683	1517773	1490663	1509040	1.06	cps
Molybdenum	94-1	15138	15405	15572	15372	1.42	cps
Molybdenum	95-1	783	817	893	831	6.79	cps
Molybdenum	96-1	3804	3557	3884	3748	4.54	cps
Molybdenum	97-1	427	447	437	437	2.29	cps
Molybdenum	98-1	1263	1140	1183	1196	5.23	cps
Neodymium	150-1	18606	19120	18980	18902	1.41	cps
Neodymium	150-2	11104	10981	11088	11058	0.61	cps
Nickel	60-2	367116	369849	366386	367784	0.50	cps
Phosphorus	31-2	4894	5111	5118	5041	2.52	cps
Potassium	39-2	806065	805764	798398	803409	0.54	cps
Rhodium	103-1	4129163	4127777	4127812	4128251	0.02	cps
Rhodium	103-2	2745231	2716633	2790076	2750647	1.35	cps
Scandium	45-1	2395455	2462316	2437833	2431868	1.39	cps
Scandium	45-2	266797	267480	265301	266526	0.42	cps
Selenium	82-1	6074	6176	6187	6145	1.01	cps
Selenium	77-2	717	837	727	760	8.76	cps
Selenium	78-2	2557	2630	2724	2637	3.17	cps
Silicon	28-1	2161784	2212392	2244855	2206344	1.90	cps
Silver	107-1	151436	150930	151912	151426	0.32	cps
Silver	109-1	140029	165155	149278	151487	8.39	cps
Sodium	23-2	66111	66021	65445	65859	0.55	cps
Strontium	86-1	92532	92918	93800	93083	0.70	cps
Strontium	88-1	798725	821257	812726	810903	1.40	cps
Sulfur	34-1	91196	89392	89956	90182	1.02	cps
Terbium	159-1	5636386	5768294	5585763	5663481	1.66	cps
Terbium	159-2	3696797	3777763	3786006	3753522	1.31	cps
Thallium	203-1	151597	152597	152736	152310	0.41	cps
Thallium	205-1	353843	363009	359618	358823	1.29	cps
Tin	118-1	5768	5998	5995	5920	2.23	cps
Titanium	47-1	174501	180041	179603	178048	1.73	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYE494SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 19:35:39	DataFile Name :	135SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3617	3684	3674	3658	0.98	cps
Vanadium	51-2	907322	906673	904072	906022	0.19	cps
Yttrium	89-1	7415894	7519134	7346692	7427240	1.17	cps
Yttrium	89-2	2228891	2165052	2234434	2209459	1.75	cps
Zinc	66-2	180298	179334	180251	179961	0.30	cps
Zirconium	90-1	39717	40362	40175	40085	0.83	cps
Zirconium	91-1	8859	9073	8923	8952	1.22	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04A	Instrumnet Name :	P7
Client Sample ID :	MYE453ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:38:49	DataFile Name :	136SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5096073	5059033	5057085	5070730	0.43	cps
Antimony	121-1	14170	14507	14851	14510	2.35	cps
Arsenic	75-2	76867	76844	76094	76602	0.57	cps
Barium	135-1	690519	705371	707786	701225	1.33	cps
Barium	137-1	1194640	1216613	1222873	1211375	1.22	cps
Beryllium	9-1	867	843	863	858	1.47	cps
Bismuth	209-1	3433002	3576209	3527010	3512074	2.07	cps
Bismuth	209-2	2683957	2670679	2660413	2671683	0.44	cps
Bromine	81-1	6632	6902	6848	6794	2.11	cps
Bromine	81-2	497	510	590	532	9.49	cps
Cadmium	108-1	233	290	267	263	10.82	cps
Cadmium	106-1	1450	1513	1470	1478	2.19	cps
Cadmium	111-1	3572	3570	3696	3613	2.00	cps
Calcium	43-1	163427	167211	167453	166031	1.36	cps
Calcium	44-1	2595859	2636532	2671761	2634717	1.44	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	225915	223911	224392	224739	0.47	cps
Cobalt	59-2	182482	181693	182205	182127	0.22	cps
Copper	63-2	892831	892658	893722	893070	0.06	cps
Dysprosium	156-1	35679	37025	37269	36658	2.34	cps
Dysprosium	156-2	32250	32581	32314	32382	0.54	cps
Erbium	164-1	28245	29291	29842	29126	2.78	cps
Erbium	164-2	20105	19844	20388	20112	1.35	cps
Gadolinium	160-1	34034	35231	35615	34960	2.36	cps
Gadolinium	160-2	25590	25477	25470	25512	0.26	cps
Holmium	165-1	5492355	5656888	5595867	5581704	1.49	cps
Holmium	165-2	3843577	3852499	3817175	3837750	0.48	cps
Indium	115-1	4370765	4433349	4424302	4409472	0.77	cps
Indium	115-2	1689657	1628836	1648516	1655670	1.87	cps
Iron	56-2	195876897	194959577	194777197	195204557	0.30	cps
Iron	57-2	4874203	4766574	4798668	4813148	1.15	cps
Iron	54-2	10826712	10707989	10725043	10753248	0.60	cps
Krypton	83-1	223	203	237	221	7.59	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04A	Instrumnet Name :	P7
Client Sample ID :	MYE453ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:38:49	DataFile Name :	136SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	328562	338680	335459	334234	1.55	cps
Lead	207-1	285537	290238	292122	289299	1.17	cps
Lead	208-1	1297017	1328887	1326447	1317450	1.35	cps
Lithium	6-1	530117	537033	532425	533192	0.66	cps
Magnesium	24-2	3994900	3958620	4005557	3986359	0.62	cps
Manganese	55-2	5820575	5882808	5839348	5847577	0.55	cps
Molybdenum	94-1	43324	45673	44594	44530	2.64	cps
Molybdenum	95-1	5324	5348	5501	5391	1.78	cps
Molybdenum	96-1	14227	14214	14204	14215	0.08	cps
Molybdenum	97-1	3320	3444	3364	3376	1.85	cps
Molybdenum	98-1	8059	8839	8446	8448	4.62	cps
Neodymium	150-1	69892	72471	71718	71360	1.86	cps
Neodymium	150-2	42507	42079	42507	42365	0.58	cps
Nickel	60-2	77790	79439	78420	78550	1.06	cps
Phosphorus	31-2	24199	24520	24897	24539	1.42	cps
Potassium	39-2	3796800	3810595	3784707	3797367	0.34	cps
Rhodium	103-1	4036245	4101793	4037613	4058550	0.92	cps
Rhodium	103-2	2763881	2719335	2734283	2739166	0.83	cps
Scandium	45-1	2463998	2515219	2483995	2487737	1.04	cps
Scandium	45-2	279372	278061	279183	278872	0.25	cps
Selenium	82-1	368	378	368	371	1.55	cps
Selenium	77-2	160	160	137	152	8.85	cps
Selenium	78-2	480	433	387	433	10.77	cps
Silicon	28-1	12007106	12141639	12337446	12162063	1.37	cps
Silver	107-1	12002	11962	12112	12025	0.65	cps
Silver	109-1	11445	10921	11458	11274	2.72	cps
Sodium	23-2	113306	113747	114374	113809	0.47	cps
Strontium	86-1	176027	178433	178284	177581	0.76	cps
Strontium	88-1	1626438	1638346	1621682	1628822	0.53	cps
Sulfur	34-1	96260	94664	93879	94934	1.28	cps
Terbium	159-1	5626828	5753254	5711606	5697230	1.13	cps
Terbium	159-2	3856214	3797798	3821645	3825219	0.77	cps
Thallium	203-1	1620	1763	1813	1732	5.79	cps
Thallium	205-1	4431	4297	4341	4356	1.56	cps
Tin	118-1	10807	11278	11281	11122	2.45	cps
Titanium	47-1	630703	647028	647772	641835	1.50	cps

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On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4477-04A	Instrumnet Name :	P7
Client Sample ID :	MYE453ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:38:49	DataFile Name :	136SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	20793	20459	20379	20544	1.07	cps
Vanadium	51-2	368517	367517	368758	368264	0.18	cps
Yttrium	89-1	7752351	7881772	7612447	7748857	1.74	cps
Yttrium	89-2	2342418	2281954	2321291	2315221	1.33	cps
Zinc	66-2	139343	140457	138825	139542	0.60	cps
Zirconium	90-1	109767	111345	112158	111090	1.09	cps
Zirconium	91-1	24571	24634	24607	24604	0.13	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12A	Instrumnet Name :	P7
Client Sample ID :	MYE481ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:41:58	DataFile Name :	137SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6608421	6600086	6603831	6604113	0.06	cps
Antimony	121-1	7946	8339	8456	8247	3.24	cps
Arsenic	75-2	44650	44336	44948	44645	0.69	cps
Barium	135-1	725784	734427	741027	733746	1.04	cps
Barium	137-1	1262895	1281053	1279452	1274467	0.79	cps
Beryllium	9-1	847	943	910	900	5.46	cps
Bismuth	209-1	3540746	3530693	3412731	3494723	2.04	cps
Bismuth	209-2	2646793	2679378	2668113	2664761	0.62	cps
Bromine	81-1	6968	6678	6662	6769	2.55	cps
Bromine	81-2	503	510	530	514	2.70	cps
Cadmium	108-1	293	243	283	273	9.68	cps
Cadmium	106-1	1503	1503	1303	1437	8.04	cps
Cadmium	111-1	3074	3022	2978	3025	1.59	cps
Calcium	43-1	298037	302008	304106	301384	1.02	cps
Calcium	44-1	4743456	4749278	4794300	4762344	0.58	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	281738	279855	280182	280592	0.36	cps
Cobalt	59-2	196266	196466	196426	196386	0.05	cps
Copper	63-2	837018	835906	835947	836290	0.08	cps
Dysprosium	156-1	40465	40040	40104	40203	0.57	cps
Dysprosium	156-2	35094	35685	35522	35434	0.86	cps
Erbium	164-1	33016	33644	32952	33204	1.15	cps
Erbium	164-2	22435	22411	22665	22504	0.62	cps
Gadolinium	160-1	38904	39115	39268	39096	0.47	cps
Gadolinium	160-2	27674	27654	28897	28075	2.53	cps
Holmium	165-1	5607038	5647490	5580178	5611569	0.60	cps
Holmium	165-2	3815574	3867959	3743153	3808895	1.65	cps
Indium	115-1	4448894	4443465	4357983	4416781	1.15	cps
Indium	115-2	1660782	1677384	1668866	1669011	0.50	cps
Iron	56-2	207685564	205264257	208181530	207043784	0.75	cps
Iron	57-2	5118888	5114073	5140601	5124521	0.28	cps
Iron	54-2	11443081	11330521	11494745	11422782	0.74	cps
Krypton	83-1	133	187	197	172	19.77	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12A	Instrumnet Name :	P7
Client Sample ID :	MYE481ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:41:58	DataFile Name :	137SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	281862	283857	285394	283704	0.62	cps
Lead	207-1	244272	245368	246735	245458	0.50	cps
Lead	208-1	1112306	1121511	1122102	1118640	0.49	cps
Lithium	6-1	529429	522451	532001	527960	0.94	cps
Magnesium	24-2	4944810	4883844	4848943	4892532	0.99	cps
Manganese	55-2	6024608	5905404	6064786	5998266	1.38	cps
Molybdenum	94-1	58684	59504	60702	59630	1.70	cps
Molybdenum	95-1	3797	3724	3857	3793	1.76	cps
Molybdenum	96-1	15168	15665	15358	15397	1.63	cps
Molybdenum	97-1	2060	2330	2227	2206	6.18	cps
Molybdenum	98-1	5765	5825	5765	5785	0.60	cps
Neodymium	150-1	76513	78480	78152	77715	1.36	cps
Neodymium	150-2	46794	45754	45593	46047	1.42	cps
Nickel	60-2	95666	93969	95586	95074	1.01	cps
Phosphorus	31-2	16512	17103	16089	16568	3.08	cps
Potassium	39-2	3273157	3341304	3269378	3294613	1.23	cps
Rhodium	103-1	4134216	4079756	4110969	4108314	0.67	cps
Rhodium	103-2	2818148	2778742	2752126	2783005	1.19	cps
Scandium	45-1	2579795	2572088	2564338	2572073	0.30	cps
Scandium	45-2	285199	283356	282733	283763	0.45	cps
Selenium	82-1	430	392	407	410	4.58	cps
Selenium	77-2	170	127	87	128	32.62	cps
Selenium	78-2	460	477	440	459	4.00	cps
Silicon	28-1	13412872	13655821	13619651	13562781	0.97	cps
Silver	107-1	11304	11711	11405	11474	1.85	cps
Silver	109-1	10657	10787	10891	10779	1.09	cps
Sodium	23-2	131590	131509	131933	131677	0.17	cps
Strontium	86-1	168093	170298	170847	169746	0.86	cps
Strontium	88-1	1539370	1579176	1573120	1563889	1.37	cps
Sulfur	34-1	91713	91016	92279	91669	0.69	cps
Terbium	159-1	5792554	5858142	5742814	5797837	1.00	cps
Terbium	159-2	3835033	3784579	3799695	3806436	0.68	cps
Thallium	203-1	1780	1957	1850	1862	4.78	cps
Thallium	205-1	4501	4594	4758	4617	2.81	cps
Tin	118-1	11681	11468	11775	11641	1.35	cps
Titanium	47-1	736298	746823	752710	745277	1.12	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4479-12A	Instrumnet Name :	P7
Client Sample ID :	MYE481ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:41:58	DataFile Name :	137SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14561	14735	14344	14547	1.34	cps
Vanadium	51-2	402565	404559	404115	403746	0.26	cps
Yttrium	89-1	7841474	7819776	7928168	7863139	0.73	cps
Yttrium	89-2	2340739	2336973	2337805	2338506	0.08	cps
Zinc	66-2	122007	121829	121019	121618	0.43	cps
Zirconium	90-1	152048	158202	157455	155902	2.15	cps
Zirconium	91-1	33999	34781	34898	34560	1.41	cps

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LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05A	Instrumnet Name :	P7
Client Sample ID :	MYE494ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:45:09	DataFile Name :	138SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6690169	6731554	6741332	6721019	0.40	cps
Antimony	121-1	8646	9103	8503	8751	3.58	cps
Arsenic	75-2	36812	36809	37861	37161	1.63	cps
Barium	135-1	779747	794673	787680	787366	0.95	cps
Barium	137-1	1338737	1367950	1376876	1361187	1.47	cps
Beryllium	9-1	823	903	873	867	4.66	cps
Bismuth	209-1	3486551	3480474	3416560	3461195	1.12	cps
Bismuth	209-2	2610740	2687121	2614113	2637325	1.64	cps
Bromine	81-1	6758	6955	7232	6982	3.41	cps
Bromine	81-2	583	633	580	599	4.99	cps
Cadmium	108-1	233	187	230	217	12.02	cps
Cadmium	106-1	1250	1267	1220	1246	1.90	cps
Cadmium	111-1	1738	1766	1703	1736	1.82	cps
Calcium	43-1	364392	370158	369292	367947	0.85	cps
Calcium	44-1	5750963	5801497	5866848	5806436	1.00	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	247059	245905	248653	247205	0.56	cps
Cobalt	59-2	176478	174415	176515	175803	0.68	cps
Copper	63-2	488143	485220	488000	487121	0.34	cps
Dysprosium	156-1	38138	37898	38051	38029	0.32	cps
Dysprosium	156-2	33323	34202	33714	33746	1.30	cps
Erbium	164-1	29939	30396	30644	30326	1.18	cps
Erbium	164-2	20084	20215	20335	20211	0.62	cps
Gadolinium	160-1	35886	36534	37326	36582	1.97	cps
Gadolinium	160-2	25737	25944	25884	25855	0.41	cps
Holmium	165-1	5611671	5655687	5581322	5616227	0.67	cps
Holmium	165-2	3813401	3844855	3847256	3835171	0.49	cps
Indium	115-1	4342659	4469641	4408002	4406767	1.44	cps
Indium	115-2	1649187	1653905	1648967	1650686	0.17	cps
Iron	56-2	207471230	209686470	209417804	208858501	0.58	cps
Iron	57-2	5169505	5242924	5158434	5190288	0.88	cps
Iron	54-2	11537859	11630064	11597281	11588401	0.40	cps
Krypton	83-1	233	213	287	244	15.51	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05A	Instrumnet Name :	P7
Client Sample ID :	MYE494ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:45:09	DataFile Name :	138SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	154420	155495	156604	155506	0.70	cps
Lead	207-1	130917	133327	133913	132719	1.20	cps
Lead	208-1	601167	609093	611373	607211	0.88	cps
Lithium	6-1	507387	509274	509396	508686	0.22	cps
Magnesium	24-2	5097309	5002145	5113432	5070962	1.19	cps
Manganese	55-2	3614390	3710812	3623800	3649667	1.46	cps
Molybdenum	94-1	63430	64247	64806	64161	1.08	cps
Molybdenum	95-1	2794	3010	2874	2893	3.79	cps
Molybdenum	96-1	15041	15358	15855	15418	2.66	cps
Molybdenum	97-1	1860	1837	1907	1868	1.91	cps
Molybdenum	98-1	4734	4557	4744	4679	2.25	cps
Neodymium	150-1	76439	77883	78329	77551	1.27	cps
Neodymium	150-2	45503	45888	46292	45894	0.86	cps
Nickel	60-2	100525	101017	101944	101162	0.71	cps
Phosphorus	31-2	20253	20190	20494	20312	0.79	cps
Potassium	39-2	3001652	3006214	3034922	3014262	0.60	cps
Rhodium	103-1	4064352	4103074	4123549	4096991	0.73	cps
Rhodium	103-2	2740459	2777145	2712229	2743278	1.19	cps
Scandium	45-1	2508534	2538888	2548768	2532063	0.83	cps
Scandium	45-2	287930	284797	288528	287085	0.70	cps
Selenium	82-1	333	337	248	306	16.49	cps
Selenium	77-2	130	193	130	151	24.20	cps
Selenium	78-2	457	483	410	450	8.25	cps
Silicon	28-1	10346845	10672146	10541639	10520210	1.56	cps
Silver	107-1	7986	8362	8186	8178	2.31	cps
Silver	109-1	7755	8039	7752	7849	2.10	cps
Sodium	23-2	199765	199641	199888	199765	0.06	cps
Strontium	86-1	375347	383942	387435	382241	1.63	cps
Strontium	88-1	3523656	3563597	3546537	3544597	0.57	cps
Sulfur	34-1	93500	94654	94473	94209	0.66	cps
Terbium	159-1	5741068	5773796	5767299	5760721	0.30	cps
Terbium	159-2	3842844	3797160	3855125	3831710	0.80	cps
Thallium	203-1	1337	1320	1307	1321	1.14	cps
Thallium	205-1	3120	3160	3230	3170	1.76	cps
Tin	118-1	13443	13580	13206	13410	1.41	cps
Titanium	47-1	740731	759254	761416	753800	1.51	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	P4480-05A	Instrumnet Name :	P7
Client Sample ID :	MYE494ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:45:09	DataFile Name :	138SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14905	15322	15275	15168	1.51	cps
Vanadium	51-2	417225	419552	417711	418162	0.29	cps
Yttrium	89-1	7800458	7884691	7801110	7828753	0.62	cps
Yttrium	89-2	2299756	2355720	2308722	2321399	1.29	cps
Zinc	66-2	89965	89667	90703	90112	0.59	cps
Zirconium	90-1	167798	170330	171854	169994	1.21	cps
Zirconium	91-1	37214	38738	38257	38069	2.05	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164430BL	Instrumnet Name :	P7
Client Sample ID :	PBS430	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:54:32	DataFile Name :	139CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	643	757	787	729	10.37	cps
Antimony	121-1	53	43	63	53	18.75	cps
Arsenic	75-2	7	7	7	7	0.00	cps
Barium	135-1	100	137	137	124	17.01	cps
Barium	137-1	167	173	207	182	11.76	cps
Beryllium	9-1	10	10	3	8	49.52	cps
Bismuth	209-1	3511192	3501182	3501536	3504637	0.16	cps
Bismuth	209-2	2601096	2741627	2751784	2698169	3.12	cps
Bromine	81-1	5271	5114	5011	5132	2.55	cps
Bromine	81-2	63	73	23	53	49.61	cps
Cadmium	108-1	3	7	3	4	43.40	cps
Cadmium	106-1	900	830	860	863	4.07	cps
Cadmium	111-1	638	583	600	607	4.62	cps
Calcium	43-1	207	183	173	188	9.11	cps
Calcium	44-1	9413	9040	9500	9318	2.63	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	570	517	630	572	9.91	cps
Cobalt	59-2	53	60	67	60	11.12	cps
Copper	63-2	747	613	587	649	13.21	cps
Dysprosium	156-1	70	60	43	58	23.32	cps
Dysprosium	156-2	10	20	30	20	50.00	cps
Erbium	164-1	40	27	37	34	20.14	cps
Erbium	164-2	27	23	23	24	7.89	cps
Gadolinium	160-1	40	20	13	24	56.78	cps
Gadolinium	160-2	173	143	103	140	25.09	cps
Holmium	165-1	5593961	5536963	5448949	5526624	1.32	cps
Holmium	165-2	3758289	3794738	3773349	3775459	0.49	cps
Indium	115-1	4701856	4606411	4573603	4627290	1.44	cps
Indium	115-2	1751607	1726315	1702463	1726795	1.42	cps
Iron	56-2	24123	24597	25428	24716	2.67	cps
Iron	57-2	2767	2804	2864	2811	1.74	cps
Iron	54-2	2097	2187	1887	2057	7.49	cps
Krypton	83-1	240	137	183	187	27.72	cps

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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164430BL	Instrumnet Name :	P7
Client Sample ID :	PBS430	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:54:32	DataFile Name :	139CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	297	273	240	270	10.55	cps
Lead	207-1	283	230	237	250	11.62	cps
Lead	208-1	1103	1093	1020	1072	4.24	cps
Lithium	6-1	522391	525229	512966	520195	1.23	cps
Magnesium	24-2	693	713	720	709	1.96	cps
Manganese	55-2	483	633	537	551	13.80	cps
Molybdenum	94-1	107	120	120	116	6.66	cps
Molybdenum	95-1	50	20	37	36	42.27	cps
Molybdenum	96-1	67	77	63	69	10.08	cps
Molybdenum	97-1	20	20	30	23	24.74	cps
Molybdenum	98-1	47	67	47	53	21.65	cps
Neodymium	150-1	7	7	23	12	78.69	cps
Neodymium	150-2	3	3	3	3	0.00	cps
Nickel	60-2	93	93	60	82	23.40	cps
Phosphorus	31-2	137	67	150	118	38.00	cps
Potassium	39-2	71795	70606	71048	71150	0.84	cps
Rhodium	103-1	4407602	4358617	4348581	4371600	0.72	cps
Rhodium	103-2	2872994	2923102	2844062	2880053	1.39	cps
Scandium	45-1	2515443	2494478	2464894	2491605	1.02	cps
Scandium	45-2	273774	272899	274836	273836	0.35	cps
Selenium	82-1	202	292	213	236	20.78	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	347	380	337	354	6.40	cps
Silicon	28-1	172107	168311	170384	170267	1.12	cps
Silver	107-1	43	40	43	42	4.55	cps
Silver	109-1	23	17	23	21	18.21	cps
Sodium	23-2	28009	27207	27491	27569	1.47	cps
Strontium	86-1	337	277	353	322	12.51	cps
Strontium	88-1	300	333	380	338	11.90	cps
Sulfur	34-1	92645	90979	93242	92288	1.27	cps
Terbium	159-1	5833507	5761741	5677489	5757579	1.36	cps
Terbium	159-2	3744866	3755419	3730727	3743671	0.33	cps
Thallium	203-1	70	57	90	72	23.23	cps
Thallium	205-1	183	173	117	158	22.79	cps
Tin	118-1	1137	1020	1404	1187	16.56	cps
Titanium	47-1	143	130	147	140	6.30	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164430BL	Instrumnet Name :	P7
Client Sample ID :	PBS430	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:54:32	DataFile Name :	139CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7	7	7	7	0.00	cps
Vanadium	51-2	23	40	50	38	35.67	cps
Yttrium	89-1	7712753	7817445	7619114	7716438	1.29	cps
Yttrium	89-2	2230293	2272010	2284611	2262305	1.26	cps
Zinc	66-2	420	360	343	374	10.77	cps
Zirconium	90-1	247	267	230	248	7.41	cps
Zirconium	91-1	73	53	40	56	30.20	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164430BS	Instrumnet Name :	P7
Client Sample ID :	LCS430	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:57:49	DataFile Name :	140LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4994	5181	5091	5089	1.84	cps
Antimony	121-1	20067	20541	20201	20270	1.21	cps
Arsenic	75-2	740	657	747	714	7.02	cps
Barium	135-1	23823	23706	23216	23582	1.37	cps
Barium	137-1	40852	41156	40815	40941	0.46	cps
Beryllium	9-1	1093	1010	1093	1066	4.52	cps
Bismuth	209-1	3663016	3554710	3472316	3563347	2.68	cps
Bismuth	209-2	2403510	2675070	2683374	2587318	6.15	cps
Bromine	81-1	5231	5128	5168	5175	1.01	cps
Bromine	81-2	23	50	50	41	37.46	cps
Cadmium	108-1	180	203	210	198	7.97	cps
Cadmium	106-1	1393	1153	1253	1267	9.52	cps
Cadmium	111-1	3370	3192	3381	3314	3.20	cps
Calcium	43-1	12305	12522	12579	12469	1.16	cps
Calcium	44-1	211791	210512	209173	210492	0.62	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	11878	10847	11211	11312	4.62	cps
Cobalt	59-2	7669	7535	7395	7533	1.82	cps
Copper	63-2	11715	11464	11631	11603	1.10	cps
Dysprosium	156-1	57	77	70	68	15.02	cps
Dysprosium	156-2	20	30	17	22	31.22	cps
Erbium	164-1	53	40	53	49	15.74	cps
Erbium	164-2	20	23	50	31	52.86	cps
Gadolinium	160-1	17	17	27	20	28.86	cps
Gadolinium	160-2	130	127	120	126	4.06	cps
Holmium	165-1	5767701	5540928	5624862	5644497	2.03	cps
Holmium	165-2	3429853	3755583	3744087	3643174	5.07	cps
Indium	115-1	4729700	4613279	4557704	4633561	1.89	cps
Indium	115-2	1540655	1724869	1724519	1663347	6.39	cps
Iron	56-2	895749	889852	881973	889192	0.78	cps
Iron	57-2	24614	24634	24574	24607	0.12	cps
Iron	54-2	51053	49999	49340	50131	1.72	cps
Krypton	83-1	160	147	133	147	9.09	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164430BS	Instrumnet Name :	P7
Client Sample ID :	LCS430	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:57:49	DataFile Name :	140LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	7159	6708	7002	6956	3.29	cps
Lead	207-1	5798	6208	5948	5985	3.47	cps
Lead	208-1	27775	27328	27381	27494	0.89	cps
Lithium	6-1	519148	520405	519981	519845	0.12	cps
Magnesium	24-2	223100	223404	219643	222049	0.94	cps
Manganese	55-2	3967	4091	3971	4009	1.75	cps
Molybdenum	94-1	21032	20751	20768	20850	0.75	cps
Molybdenum	95-1	24698	24875	24441	24671	0.88	cps
Molybdenum	96-1	27917	28485	27690	28030	1.46	cps
Molybdenum	97-1	15779	15819	15845	15814	0.21	cps
Molybdenum	98-1	39914	39483	39293	39563	0.80	cps
Neodymium	150-1	10	0	10	7	86.60	cps
Neodymium	150-2	7	0	3	3	100.05	cps
Nickel	60-2	2077	2247	2097	2140	4.34	cps
Phosphorus	31-2	100	127	117	114	11.77	cps
Potassium	39-2	367231	366599	363391	365740	0.56	cps
Rhodium	103-1	4404830	4362494	4335352	4367559	0.80	cps
Rhodium	103-2	2582801	2784058	2841693	2736184	4.97	cps
Scandium	45-1	2517825	2435129	2470514	2474489	1.68	cps
Scandium	45-2	246372	273220	273482	264358	5.89	cps
Selenium	82-1	1040	985	1037	1021	3.01	cps
Selenium	77-2	107	87	73	89	18.88	cps
Selenium	78-2	657	597	633	629	4.81	cps
Silicon	28-1	211723	210540	209980	210748	0.42	cps
Silver	107-1	11628	11488	11815	11644	1.41	cps
Silver	109-1	10754	10404	10544	10567	1.67	cps
Sodium	23-2	388557	387401	380691	385550	1.10	cps
Strontium	86-1	3270	3317	3457	3348	2.90	cps
Strontium	88-1	27883	28608	27943	28145	1.43	cps
Sulfur	34-1	97049	98421	99669	98379	1.33	cps
Terbium	159-1	5949211	5816101	5769872	5845061	1.59	cps
Terbium	159-2	3475717	3778721	3798981	3684473	4.91	cps
Thallium	203-1	8279	8016	8006	8100	1.91	cps
Thallium	205-1	19033	19154	18997	19061	0.43	cps
Tin	118-1	1380	1263	1210	1285	6.77	cps
Titanium	47-1	6966	6141	6108	6405	7.59	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	PB164430BS	Instrumnet Name :	P7
Client Sample ID :	LCS430	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 19:57:49	DataFile Name :	140LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	24389	24509	24219	24372	0.60	cps
Vanadium	51-2	22854	22243	21929	22342	2.10	cps
Yttrium	89-1	7928363	7730979	7493557	7717633	2.82	cps
Yttrium	89-2	2041280	2228157	2267478	2178972	5.55	cps
Zinc	66-2	4944	4734	4821	4833	2.18	cps
Zirconium	90-1	17898	17260	17257	17472	2.11	cps
Zirconium	91-1	3787	4154	3844	3928	5.03	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV040	Instrumnet Name :	P7
Client Sample ID :	CCV040	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 20:01:09	DataFile Name :	141CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6303118	6300109	6208242	6270490	0.86	cps
Antimony	121-1	2709339	2729558	2743603	2727500	0.63	cps
Arsenic	75-2	178941	179255	179342	179180	0.12	cps
Barium	135-1	3387455	3440906	3421412	3416591	0.79	cps
Barium	137-1	5891744	6023722	5943352	5952939	1.12	cps
Beryllium	9-1	283939	292044	295239	290407	2.01	cps
Bismuth	209-1	3452794	3533628	3447841	3478088	1.38	cps
Bismuth	209-2	2639726	2626891	2616419	2627679	0.44	cps
Bromine	81-1	5194	5324	5151	5223	1.73	cps
Bromine	81-2	43	50	47	47	7.15	cps
Cadmium	108-1	44739	45705	45133	45192	1.08	cps
Cadmium	106-1	63384	64680	64851	64305	1.25	cps
Cadmium	111-1	617128	628457	627955	624514	1.02	cps
Calcium	43-1	3214701	3232532	3154753	3200662	1.27	cps
Calcium	44-1	51180771	52045436	51182946	51469718	0.97	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1237201	1221976	1228942	1229373	0.62	cps
Cobalt	59-2	1986651	1978063	1976342	1980352	0.28	cps
Copper	63-2	13750254	14001369	13944479	13898701	0.95	cps
Dysprosium	156-1	230	140	170	180	25.46	cps
Dysprosium	156-2	230	210	260	233	10.79	cps
Erbium	164-1	173	177	190	180	4.90	cps
Erbium	164-2	147	100	107	118	21.43	cps
Gadolinium	160-1	150	130	137	139	7.33	cps
Gadolinium	160-2	260	247	257	254	2.73	cps
Holmium	165-1	5824890	5675303	5872586	5790926	1.78	cps
Holmium	165-2	3926082	4010302	3946289	3960891	1.11	cps
Indium	115-1	4439521	4500978	4473906	4471468	0.69	cps
Indium	115-2	1625652	1654984	1656628	1645755	1.06	cps
Iron	56-2	263308423	262467136	263227023	263000861	0.18	cps
Iron	57-2	6563657	6551436	6572030	6562374	0.16	cps
Iron	54-2	14530012	14547370	14550291	14542558	0.08	cps
Krypton	83-1	113	143	173	143	20.93	cps

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV040	Instrumnet Name :	P7
Client Sample ID :	CCV040	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 20:01:09	DataFile Name :	141CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9668912	9927518	10038773	9878401	1.92	cps
Lead	207-1	8490443	8635492	8786605	8637513	1.71	cps
Lead	208-1	38314274	39501077	39798957	39204769	2.00	cps
Lithium	6-1	553418	567719	577453	566197	2.14	cps
Magnesium	24-2	54726421	53679766	53988413	54131533	0.99	cps
Manganese	55-2	8831965	8883535	8874357	8863286	0.31	cps
Molybdenum	94-1	9996295	10178471	10049120	10074629	0.93	cps
Molybdenum	95-1	14497873	14650496	14606260	14584876	0.54	cps
Molybdenum	96-1	15738698	16017800	15978198	15911565	0.95	cps
Molybdenum	97-1	8937795	9241302	9094677	9091258	1.67	cps
Molybdenum	98-1	23242360	23834147	23508262	23528256	1.26	cps
Neodymium	150-1	180	170	180	177	3.27	cps
Neodymium	150-2	40	67	87	64	36.33	cps
Nickel	60-2	473886	471809	475197	473631	0.36	cps
Phosphorus	31-2	74145	73994	73642	73927	0.35	cps
Potassium	39-2	35624185	35170779	35259832	35351599	0.68	cps
Rhodium	103-1	4120934	4148954	4066159	4112016	1.02	cps
Rhodium	103-2	2639136	2679788	2688210	2669045	0.98	cps
Scandium	45-1	2474956	2480408	2462092	2472485	0.38	cps
Scandium	45-2	274209	272776	273199	273395	0.27	cps
Selenium	82-1	38612	38596	38844	38684	0.36	cps
Selenium	77-2	4614	4444	4474	4511	2.01	cps
Selenium	78-2	15135	15188	15021	15114	0.56	cps
Silicon	28-1	16887297	16934853	17515861	17112670	2.05	cps
Silver	107-1	3284459	3306606	3293819	3294961	0.34	cps
Silver	109-1	3128461	3119202	3155811	3134491	0.61	cps
Sodium	23-2	90913959	89729185	89688572	90110572	0.77	cps
Strontium	86-1	20960966	21091543	20738630	20930380	0.85	cps
Strontium	88-1	179501217	184014571	185296504	182937431	1.66	cps
Sulfur	34-1	278178	277589	277837	277868	0.11	cps
Terbium	159-1	5891359	6009729	5952684	5951257	0.99	cps
Terbium	159-2	3885449	3928843	3975316	3929870	1.14	cps
Thallium	203-1	2442380	2479061	2497883	2473108	1.14	cps
Thallium	205-1	5657033	5870585	5959267	5828961	2.67	cps
Tin	118-1	2110265	2156189	2162736	2143063	1.33	cps
Titanium	47-1	3415040	3474829	3413950	3434606	1.01	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCV040	Instrumnet Name :	P7
Client Sample ID :	CCV040	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 20:01:09	DataFile Name :	141CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7667829	7918689	7945211	7843910	1.95	cps
Vanadium	51-2	1128211	1125434	1116610	1123418	0.54	cps
Yttrium	89-1	7841392	7696158	7699712	7745754	1.07	cps
Yttrium	89-2	2238542	2216990	2257273	2237602	0.90	cps
Zinc	66-2	2317155	2339314	2275332	2310600	1.41	cps
Zirconium	90-1	4594715	4655447	4605868	4618677	0.70	cps
Zirconium	91-1	978901	996288	988331	987840	0.88	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB040	Instrumnet Name :	P7
Client Sample ID :	CCB040	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 20:03:55	DataFile Name :	142CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	827	847	1030	901	12.44	cps
Antimony	121-1	2034	1817	1953	1935	5.66	cps
Arsenic	75-2	17	47	20	28	59.19	cps
Barium	135-1	480	313	403	399	20.91	cps
Barium	137-1	743	727	637	702	8.17	cps
Beryllium	9-1	43	80	47	57	35.78	cps
Bismuth	209-1	3823747	3701393	3703266	3742802	1.87	cps
Bismuth	209-2	2818098	2841624	2764672	2808131	1.40	cps
Bromine	81-1	5061	4921	4914	4965	1.67	cps
Bromine	81-2	40	57	53	50	17.64	cps
Cadmium	108-1	13	3	10	9	57.30	cps
Cadmium	106-1	1117	1040	1100	1086	3.71	cps
Cadmium	111-1	902	806	896	868	6.24	cps
Calcium	43-1	597	543	413	518	18.21	cps
Calcium	44-1	16089	14471	14230	14930	6.77	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	690	697	693	693	0.48	cps
Cobalt	59-2	217	223	197	212	6.54	cps
Copper	63-2	1867	1910	1803	1860	2.88	cps
Dysprosium	156-1	53	47	27	42	32.86	cps
Dysprosium	156-2	20	20	23	21	9.11	cps
Erbium	164-1	63	33	37	44	36.99	cps
Erbium	164-2	20	30	23	24	20.83	cps
Gadolinium	160-1	20	20	17	19	10.18	cps
Gadolinium	160-2	140	127	160	142	11.80	cps
Holmium	165-1	5935818	5880421	5805351	5873863	1.11	cps
Holmium	165-2	3912909	3858580	3869350	3880280	0.74	cps
Indium	115-1	4741241	4705220	4685031	4710497	0.60	cps
Indium	115-2	1735811	1750710	1727601	1738041	0.67	cps
Iron	56-2	35555	35786	35853	35732	0.44	cps
Iron	57-2	3047	3047	3190	3095	2.67	cps
Iron	54-2	2644	2510	2560	2571	2.62	cps
Krypton	83-1	160	163	183	169	7.47	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB040	Instrumnet Name :	P7
Client Sample ID :	CCB040	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 20:03:55	DataFile Name :	142CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1477	1350	1173	1333	11.43	cps
Lead	207-1	1270	1157	1010	1146	11.38	cps
Lead	208-1	5787	5204	4864	5285	8.84	cps
Lithium	6-1	587864	578390	581993	582749	0.82	cps
Magnesium	24-2	5451	5321	5401	5391	1.22	cps
Manganese	55-2	1097	1090	1063	1083	1.63	cps
Molybdenum	94-1	1480	1283	1230	1331	9.89	cps
Molybdenum	95-1	2200	1830	1747	1926	12.53	cps
Molybdenum	96-1	2267	2027	1863	2052	9.89	cps
Molybdenum	97-1	1227	1120	977	1108	11.32	cps
Molybdenum	98-1	3354	2807	2710	2957	11.73	cps
Neodymium	150-1	7	7	0	4	86.60	cps
Neodymium	150-2	3	10	0	4	114.60	cps
Nickel	60-2	320	333	217	290	22.02	cps
Phosphorus	31-2	113	103	80	99	17.30	cps
Potassium	39-2	75017	75751	75141	75303	0.52	cps
Rhodium	103-1	4460114	4393215	4313421	4388917	1.67	cps
Rhodium	103-2	2905470	2853940	2830465	2863291	1.34	cps
Scandium	45-1	2511785	2493763	2456766	2487438	1.13	cps
Scandium	45-2	269057	270590	271265	270304	0.42	cps
Selenium	82-1	293	308	218	273	17.72	cps
Selenium	77-2	7	0	0	2	173.21	cps
Selenium	78-2	293	273	320	296	7.92	cps
Silicon	28-1	180619	176151	175464	177411	1.58	cps
Silver	107-1	660	457	427	514	24.68	cps
Silver	109-1	540	440	383	454	17.46	cps
Sodium	23-2	41409	41071	40998	41159	0.53	cps
Strontium	86-1	2790	2284	1887	2320	19.52	cps
Strontium	88-1	20741	17223	15762	17909	14.29	cps
Sulfur	34-1	121968	121102	122153	121741	0.46	cps
Terbium	159-1	6136098	5982221	5861860	5993393	2.29	cps
Terbium	159-2	3955394	3922534	3911981	3929970	0.58	cps
Thallium	203-1	580	550	490	540	8.49	cps
Thallium	205-1	1447	1170	1147	1255	13.30	cps
Tin	118-1	1540	1440	1387	1456	5.35	cps
Titanium	47-1	540	460	427	476	12.25	cps

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

LB Number :	LB133210	Operator :	Jaswal
Lab Sample ID :	CCB040	Instrumnet Name :	P7
Client Sample ID :	CCB040	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 20:03:55	DataFile Name :	142CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	930	633	637	733	23.23	cps
Vanadium	51-2	100	123	113	112	10.43	cps
Yttrium	89-1	7742831	7672829	7596292	7670651	0.96	cps
Yttrium	89-2	2241183	2235787	2245291	2240753	0.21	cps
Zinc	66-2	730	770	840	780	7.14	cps
Zirconium	90-1	853	843	953	883	6.89	cps
Zirconium	91-1	180	220	223	208	11.61	cps

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Prep Standard - Chemical Standard Summary

Order ID : P4477

Test : Metals CLP MS FULL

Prepbatch ID : PB164345,

Sequence ID/Qc Batch ID: LB133210,

Standard ID :
MP81119,MP82127,MP82568,MP82569,MP82570,MP82571,MP82572,MP82573,MP82574,MP82575,MP82576,MP82577,MP82578,MP82579,MP82580,MP82581,MP82583,MP82585,MP82586,MP82587,MP82908,

Chemical ID :
M5192,M5288,M5289,M5295,M5304,M5390,M5473,M5476,M5498,M5513,M5515,M5519,M5565,M5634,M5657,M5658,M5697,M5698,M5739,M5768,M5769,M5798,M5799,M5800,M5801,M5802,M5806,M5815,M5816,M5817,M5818,M5819,M5820,M5873,M5874,M5935,M5961,M5962,M5976,M5978,M5981,M5982,M5983,M6021,M6023,M6025,M6028,M6030,M6033,M6037,M6040,M6055,M6096,W2606,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	MP81119	06/21/2024	04/24/2025	Al-Terek Isaac	METALS_SCALE_2 (M SC-2)	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 06/21/2024

FROM 1250.00000ml of M5935 + 1250.00000ml of W2606 = Final Quantity: 2500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
170	1:1HCL	MP82127	09/03/2024	02/08/2025	Janvi Patel	None	None	Sarabjit Jaswal 09/03/2024

FROM 1250.00000ml of M6040 + 1250.00000ml of W3112 = Final Quantity: 2500.000 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
1122	ICPMS CALIB BLANK(S0/ICB/CCB)	MP82568	09/28/2024	10/31/2024	Sarabjit Jaswal	None	None	Mohan Bera 09/30/2024

FROM 25.00000ml of M6040 + 4925.00000ml of W3112 + 50.00000ml of M6037 = Final Quantity: 5000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2902	S8 ICPMS	MP82569	09/28/2024	10/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 1.00000ml of M6033 + 2.50000ml of M5288 + 2.50000ml of M5515 + 5.00000ml of M5498 + 5.00000ml of M5768 + 5.00000ml of M5806 + 79.00000ml of MP82568 = 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
3947	S7(SFAM,6020,200.8)	MP82570	09/28/2024	10/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 1.00000ml of M5818 + 1.00000ml of M5981 + 1.00000ml of M5983 + 1.90000ml of M6033 + 10.00000ml of M5976 + 10.00000ml of M5978 + 10.00000ml of M6037 + 2.00000ml of M5815 + 2.00000ml of M5817 + 2.50000ml of M5476 + 4.00000ml of M5390 + 4.00000ml of M6025 + 4.90000ml of M5515 + 4.90000ml of M5519 + 5.00000ml of M6040 + 50.00000ml of M5304 + 829.10000ml of W3112 + 9.00000ml of M5697 + 9.00000ml of M5698 + 9.00000ml of M5819 + 9.90000ml of M5498 + 9.90000ml of M5768 + 9.90000ml of M5806 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3948	S6(SFAM,6020,200.8)	MP82571	09/28/2024	10/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.50000ml of M6040 + 1.00000ml of M6037 + 88.50000ml of W3112 + 25.00000ml of MP82570 = 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
3949	S5(SFAM,6020,200.8)	MP82572	09/28/2024	10/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.50000ml of M6040 + 1.00000ml of M6037 + 73.50000ml of W3112 + 25.00000ml of MP82570 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3954	S4(SFAM,6020,200.8)	MP82573	09/28/2024	10/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.50000ml of M6040 + 1.00000ml of M6037 + 88.50000ml of W3112 + 12.50000ml of MP82570 = 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
3951	S3(SFAM, 6020,200.8)	MP82574	09/28/2024	10/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.50000ml of M6040 + 1.00000ml of M6037 + 88.50000ml of W3112 + 10.00000ml of MP82571 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3955	S2CONC(SFAM,6020,200.8)	MP82575	09/28/2024	10/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.05000ml of M5698 + 0.05000ml of M5798 + 0.05000ml of M5800 + 0.05000ml of M5801 + 0.05000ml of M5961 + 0.05000ml of M5981 + 0.05000ml of M5982 + 0.05000ml of M5983 + 0.05000ml of M6023 + 0.05000ml of M6025 + 0.05000ml of M6028 + 0.05000ml of M6030 + 0.10000ml of M5658 + 0.10000ml of M5697 + 0.10000ml of M5802 + 0.10000ml of M6033 + 0.25000ml of M5515 + 0.25000ml of M5799 + 0.25000ml of M5819 + 0.25000ml of M5962 + 0.25000ml of M5976 + 0.25000ml of M5978 + 0.25000ml of M6021 + 0.50000ml of M5390 + 0.50000ml of M5818 + 1.25000ml of M5815 + 1.25000ml of M5817 + 2.50000ml of M5498 + 2.50000ml of M5519 + 2.50000ml of M5769 + 2.50000ml of M5806 + 2.50000ml of M6040 + 226.25000ml of W3112 + 5.00000ml of M6037 = 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
3956	S2(SFAM,6020,200.8)	MP82576	09/28/2024	10/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.50000ml of M6040 + 1.00000ml of M6037 + 88.50000ml of W3112 + 0.50000ml of MP82575 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3957	S1(SFAM,6020,200.8)	MP82577	09/28/2024	10/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.50000ml of M6040 + 1.00000ml of M6037 + 88.50000ml of W3112 + 10.00000ml of MP82576 = 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
3958	ICV(SFAM)	MP82578	09/28/2024	10/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 2.00000ml of M5295 + 98.00000ml of MP82568 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3961	CCV	MP82579	09/28/2024	10/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.20000ml of M5513 + 0.50000ml of M5799 + 0.50000ml of M5818 + 0.50000ml of M5981 + 0.50000ml of M5983 + 1.00000ml of M5815 + 1.00000ml of M5817 + 1.25000ml of M5473 + 10.00000ml of M6037 + 12.45000ml of M5515 + 12.45000ml of M5519 + 2.00000ml of M5390 + 24.95000ml of M5498 + 24.95000ml of M5769 + 24.95000ml of M5806 + 25.00000ml of M5304 + 4.50000ml of M5697 + 4.50000ml of M5698 + 4.50000ml of M5819 + 4.95000ml of M6033 + 5.00000ml of M5976 + 5.00000ml of M5978 + 5.00000ml of M6040 + 824.35000ml of W3112 = Final Quantity: 1000.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1142	ICSA ICPMS	MP82580	09/28/2024	10/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 10.00000ml of M5873 + 90.00000ml of MP82568 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1143	ICSAB ICPMS	MP82581	09/28/2024	10/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 10.00000ml of M5873 + 10.00000ml of M5874 + 80.00000ml of MP82568 = 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
3964	CONC.LCSS SPIKE	MP82583	09/28/2024	10/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.25000ml of M5698 + 0.25000ml of M5798 + 0.25000ml of M5800 + 0.25000ml of M5801 + 0.25000ml of M5961 + 0.25000ml of M5981 + 0.25000ml of M5982 + 0.25000ml of M5983 + 0.25000ml of M6023 + 0.25000ml of M6025 + 0.25000ml of M6028 + 0.25000ml of M6030 + 0.50000ml of M5289 + 0.50000ml of M5658 + 0.50000ml of M5697 + 0.50000ml of M5802 + 1.25000ml of M5192 + 1.25000ml of M5799 + 1.25000ml of M5819 + 1.25000ml of M5962 + 1.25000ml of M6021 + 12.50000ml of M5498 + 12.50000ml of M5519 + 12.50000ml of M5769 + 12.50000ml of M5806 + 158.75000ml of W3112 + 2.50000ml of M5390 + 2.50000ml of M5818 + 2.50000ml of M6040 + 5.00000ml of M5515 + 5.00000ml of M6037 + 6.25000ml of M5816 + 6.25000ml of M5820 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3962	MG 10PPM FOR TUNE	MP82585	09/28/2024	10/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.01000ml of M5768 + 9.99000ml of MP82568 = 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
3894	TUNE 200PPB	MP82586	09/28/2024	10/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 2.00000ml of M6055 + 2.00000ml of MP82585 + 96.00000ml of MP82568 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3903	ISS 3PPM	MP82587	09/28/2024	10/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 5.00000ml of M6037 + 75.00000ml of M5739 + 170.00000ml of MP82568 = 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
1060	AG 1.0PPM	MP82908	10/24/2024	10/30/2024	Sarabjit Jaswal	None	None	Mohan Bera 10/25/2024

FROM 0.01000ml of M6030 + 9.99000ml of MP82568 = Final Quantity: 10.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57042 / Mo, 1000 PPM, 125 ml	051722	05/17/2025	07/01/2022 / bin	06/17/2022 / jaswal	M5192

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58119 / K, 10000 PPM, 500 ml	071122	07/11/2025	09/01/2022 / jaswal	07/21/2022 / jaswal	M5288

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	02/20/2020 / bin	M5295

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	6020CAL-1 / Calibration Standard Method 6020	S2-MEB711244	10/20/2026	08/07/2024 / jaswal	04/01/2022 / jaswal	M5304

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

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CHEMICAL RECEIPT LOG BOOK

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	08/09/2025	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.	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

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CHEMICAL RECEIPT LOG BOOK

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	05/30/2023 / jaswal	05/26/2023 / jaswal	M5565

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	02/03/2025	04/18/2024 / jaswal	08/03/2022 / Al-Terek	M5634

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-SPK-4 / SOIL/WATER SPIKE SOLN 4, 125mL	T2-MEB721144	07/07/2027	08/23/2023 / jaswal	08/29/2023 / jaswal	M5657

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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	6020ISS / 6020ISS, 10 ug/ml, Bi, Ho, In, 6Li, Rh, Sc, TB, Y	T2-MEB709511	09/03/2026	08/07/2024 / jaswal	04/11/2022 / jaswal	M5739

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

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

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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

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

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CHEMICAL RECEIPT LOG BOOK

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 #
EPA	PART A / ICSA (ICPMS) STOCK SOLN	CP-MS ICSA-0803	04/30/2025	04/17/2024 / jaswal	07/14/2022 / jaswal	M5873

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART B / ICSB (ICPMS) STOCK SOLUTION	CP-MS ICSB-0803	04/30/2025	04/17/2024 / jaswal	07/14/2022 / jaswal	M5874

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	12/08/2024	06/21/2024 / Al-Terek	06/07/2024 / Al-Terek	M5935

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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	07/02/2024 / Jaswal	06/11/2024 / Jaswal	M5961

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 #
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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57092 / U, 1000 PPM, 125 ml	060724	06/07/2027	07/29/2024 / Jaswal	06/11/2024 / Jaswal	M5981

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

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57040 / Zr, 1000 PPM, 125 ml	071423	07/14/2026	07/29/2024 / Jaswal	06/11/2024 / Jaswal	M5983

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

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	06/12/2027	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	01/25/2019 / 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

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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-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	02/02/2025	08/24/2024 / Janvi	08/01/2024 / Janvi	M6037

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)	24D1562005	02/08/2025	08/09/2024 / jaswal	08/01/2024 / Janvi	M6040

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	IV-STOCK-12 / ICP-MS TUNING SOLUTION, 125mL	U2-MEB734294	06/21/2028	08/21/2024 / Jaswal	08/19/2024 / Jaswal	M6055

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	03/25/2029	10/22/2024 / Janvi	09/21/2024 / Janvi	M6096

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	10/24/2024	10/24/2019 / apatel	10/24/2019 / apatel	W2606

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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 8/5/24

1251

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		

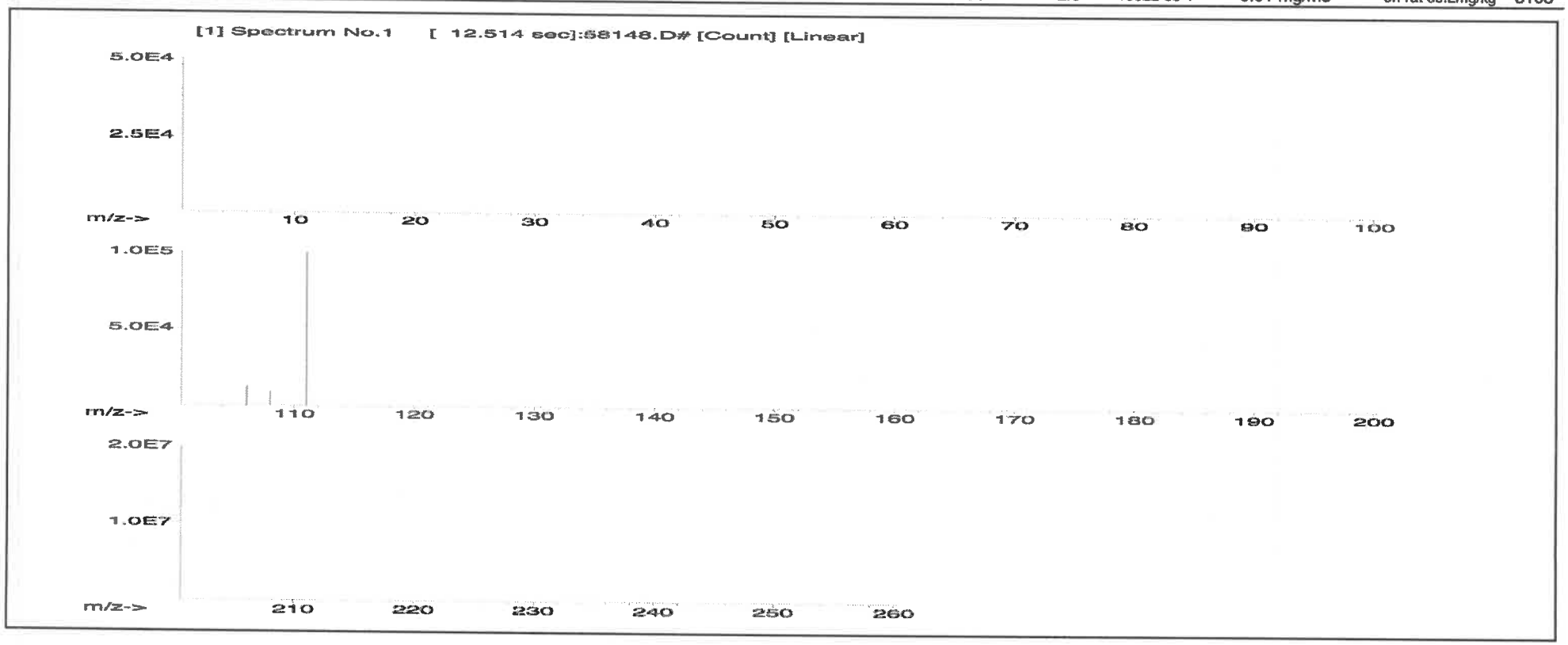
Aleah O'Brady

Formulated By:	Aleah O'Brady	070124

Pedro Rentas

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



1252

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).

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R: 8/5/24

1253

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

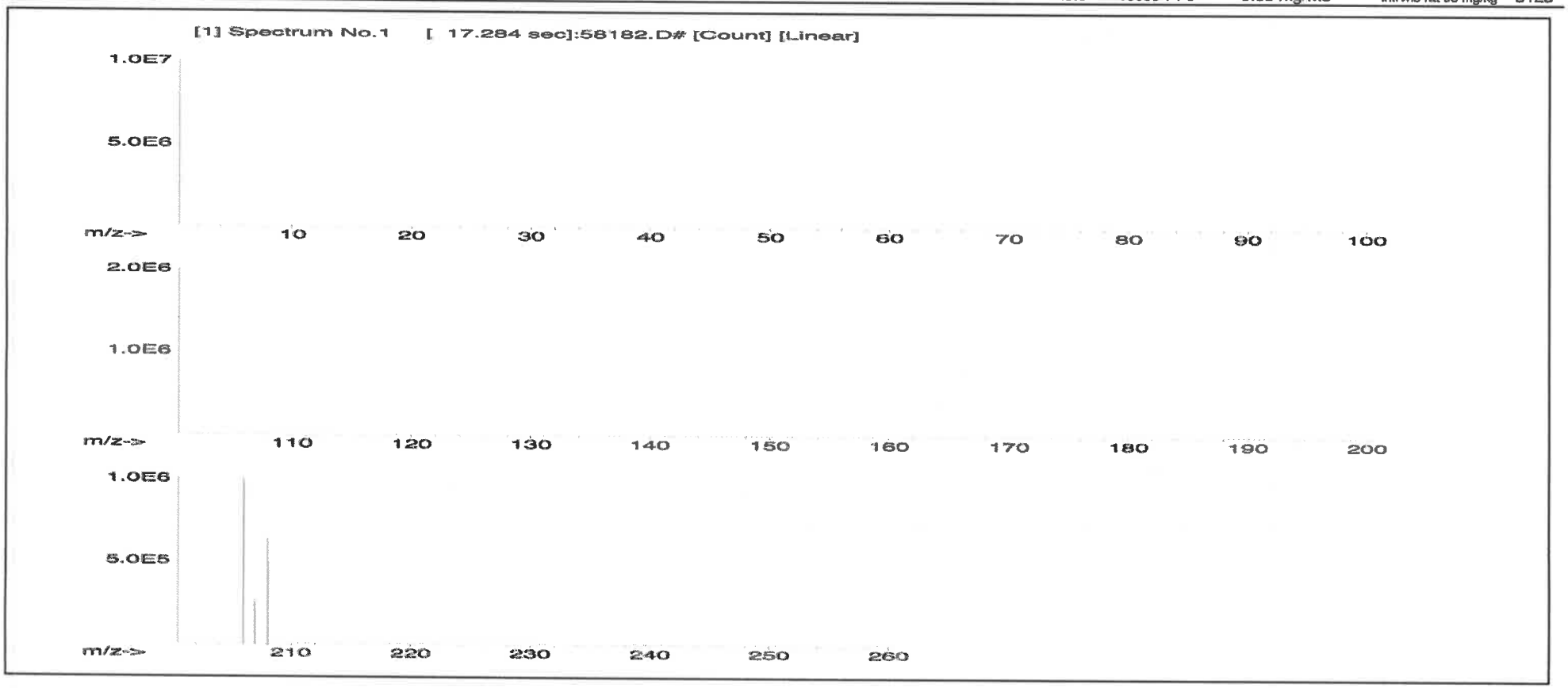
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

		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



1254

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.
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M5192 R: 06/17/22

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1255

CERTIFIED WEIGHT REPORT:

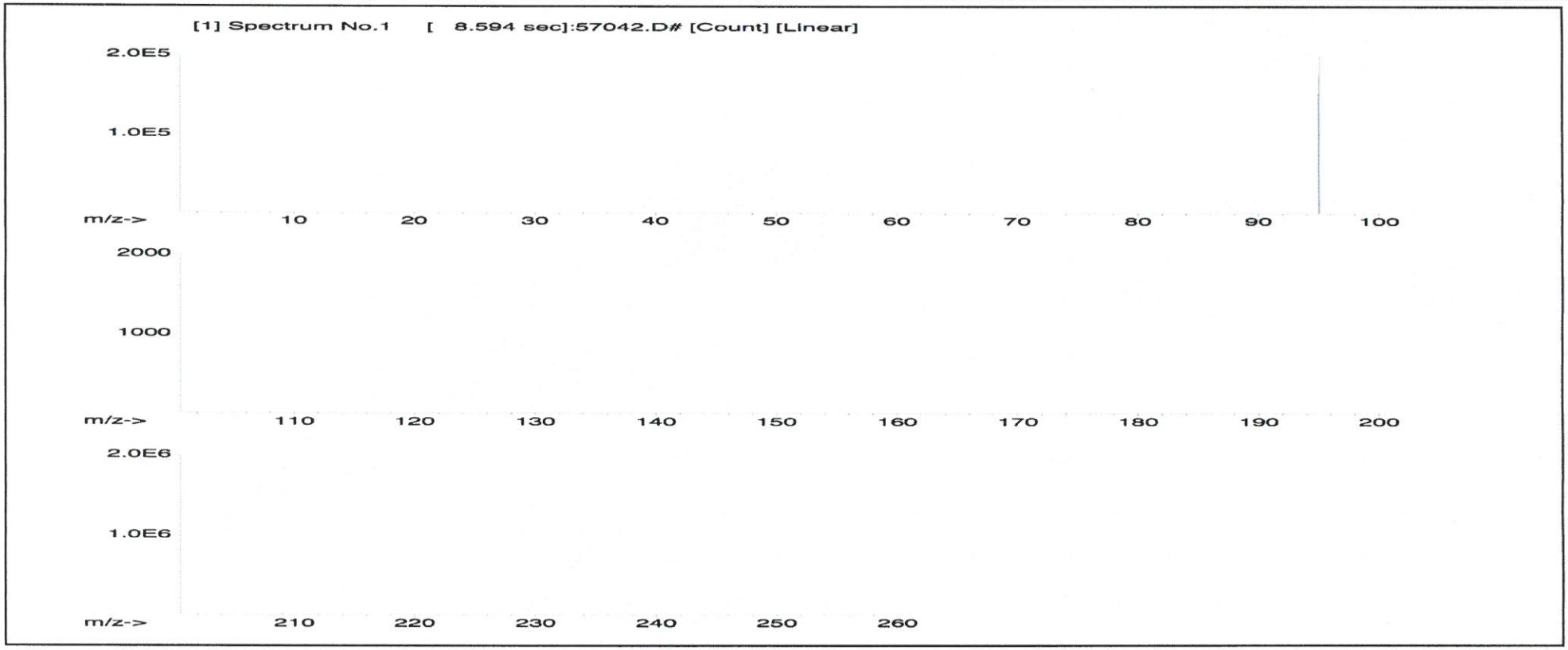
Part Number: 57042
Lot Number: 051722
Description: Molybdenum (Mo)
Expiration Date: 051725
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Volume shown below was diluted to (mL): 3000.41

Lot #	Solvent:		
MKBQ8597V	Ammonium hydroxide		
0.5%	15.0 (mL)	Ammonium hydroxide	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By: Lawrence Barry 051722
Reviewed By: Pedro L. Rentas 051722

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 molybdate (Mo)	58142	022222	0.1000	300.0	0.084	1000	10001.0	**1000.0**	**2.1**	13106-76-8	5 mg(Mo)/m3	orl-rat 333 mg/kg	3134



12566

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	<0.02	Ge	<0.02	La	<0.02	Mo	T	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.
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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).

V15200 R: 04/24/22 (BP)

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1257

CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 071122
Description: Potassium (K)

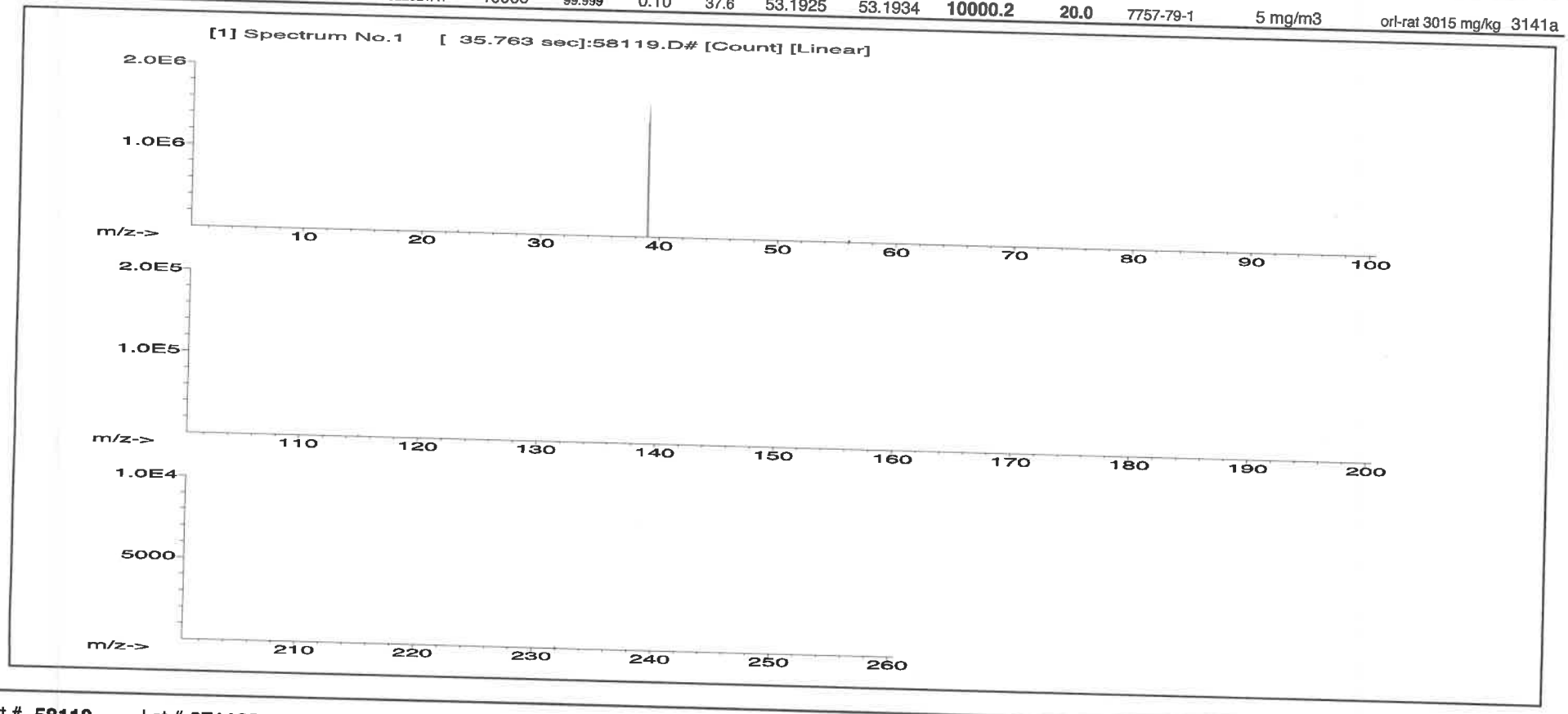
Expiration Date: 071125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

	Lot #		
Solvent:	20510011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	
5E-05	Balance Uncertainty		
0.058	Flask Uncertainty		

Formulated By: Lawrence Barry 071122

Reviewed By: Pedro L. Rentas 071122

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	53.1925	53.1934	**10000.2**	**20.0**	7757-79-1	5 mg/m3	orl-rat 3015 mg/kg	3141a



1258

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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* 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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M5289 R: 07/12/22 (BH)

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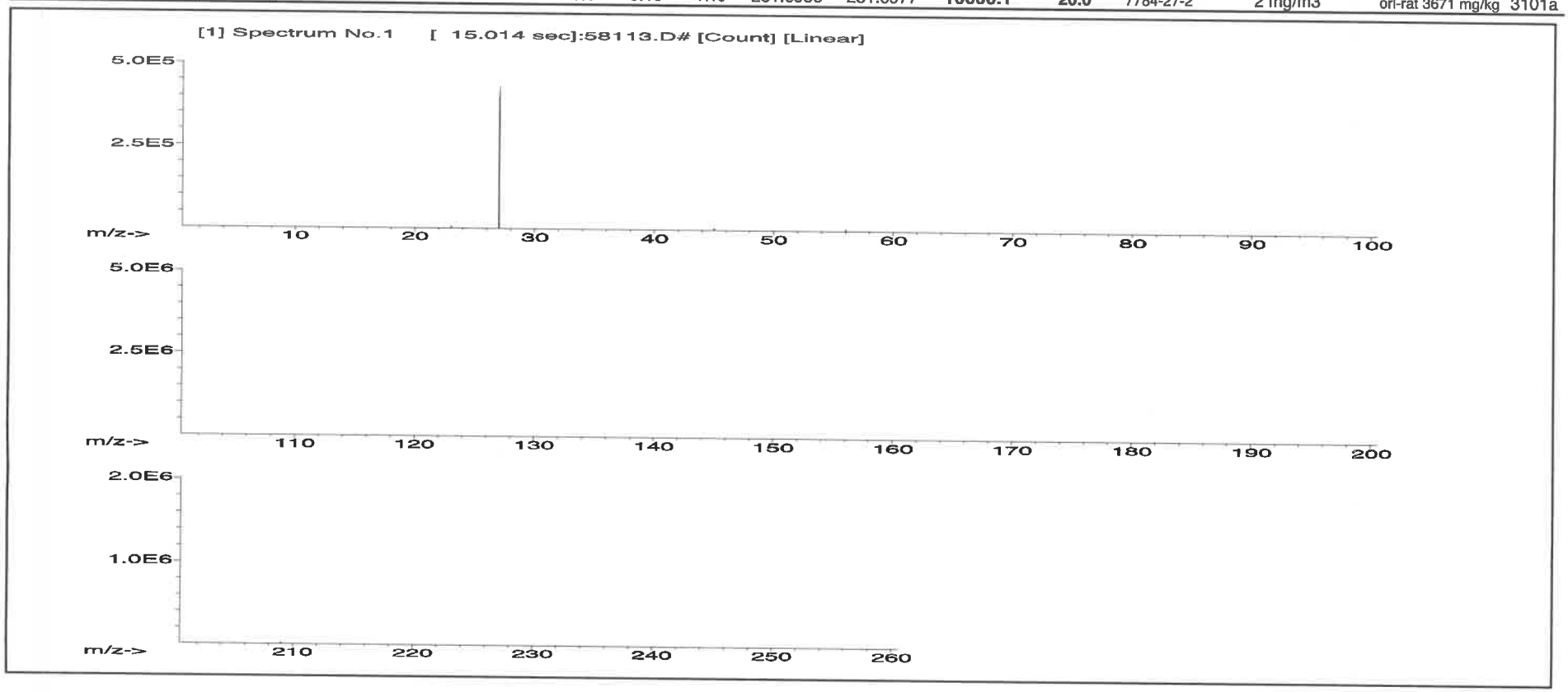
1259

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



1260

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

INORGANIC VENTURES™
Refine your results. Redefine your industry.

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:	6020CAL-1
Lot Number:	S2-MEB711244
Matrix:	5% (v/v) HNO3 tr. HF
Value / Analyte(s):	20 µg/mL ea:

Silver, Aluminum,
Arsenic, Barium,
Beryllium, Calcium,
Cadmium, Cobalt,
Chromium, Copper,
Iron, Potassium,
Magnesium, Manganese,
Sodium, Nickel,
Lead, Antimony,
Selenium, Thallium,
Vanadium, Zinc

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	**20.01 ± 0.08 µg/mL**	**Antimony, Sb**	**20.01 ± 0.12 µg/mL**
Arsenic, As	**20.01 ± 0.18 µg/mL**	**Barium, Ba**	**20.01 ± 0.11 µg/mL**
Beryllium, Be	**20.01 ± 0.14 µg/mL**	**Cadmium, Cd**	**20.01 ± 0.11 µg/mL**
Calcium, Ca	**20.01 ± 0.10 µg/mL**	**Chromium, Cr**	**20.01 ± 0.16 µg/mL**
Cobalt, Co	**20.01 ± 0.11 µg/mL**	**Copper, Cu**	**20.01 ± 0.10 µg/mL**
Iron, Fe	**20.01 ± 0.09 µg/mL**	**Lead, Pb**	**20.01 ± 0.11 µg/mL**
Magnesium, Mg	**19.99 ± 0.10 µg/mL**	**Manganese, Mn**	**20.01 ± 0.10 µg/mL**
Nickel, Ni	**20.01 ± 0.11 µg/mL**	**Potassium, K**	**20.01 ± 0.10 µg/mL**
Selenium, Se	**20.02 ± 0.14 µg/mL**	**Silver, Ag**	**20.02 ± 0.09 µg/mL**
Sodium, Na	**20.01 ± 0.10 µg/mL**	**Thallium, Tl**	**20.01 ± 0.13 µg/mL**
Vanadium, V	**20.01 ± 0.11 µg/mL**	**Zinc, Zn**	**20.01 ± 0.11 µg/mL**

Density: 1.026 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
As	ICP Assay	3103a	100818
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
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
Fe	Calculated		See Sec. 4.2
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
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2
V	ICP 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 (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

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)

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.

Low Silver Note: This solution contains “LOW” levels of Silver. Please store this entire bottle inside a sealed glass jar.

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

October 20, 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

- **October 20, 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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

R:09/08/22 (BH)

Certified Reference Material CRM

M5387 . M5389 . M5390 . M5391 . M5392

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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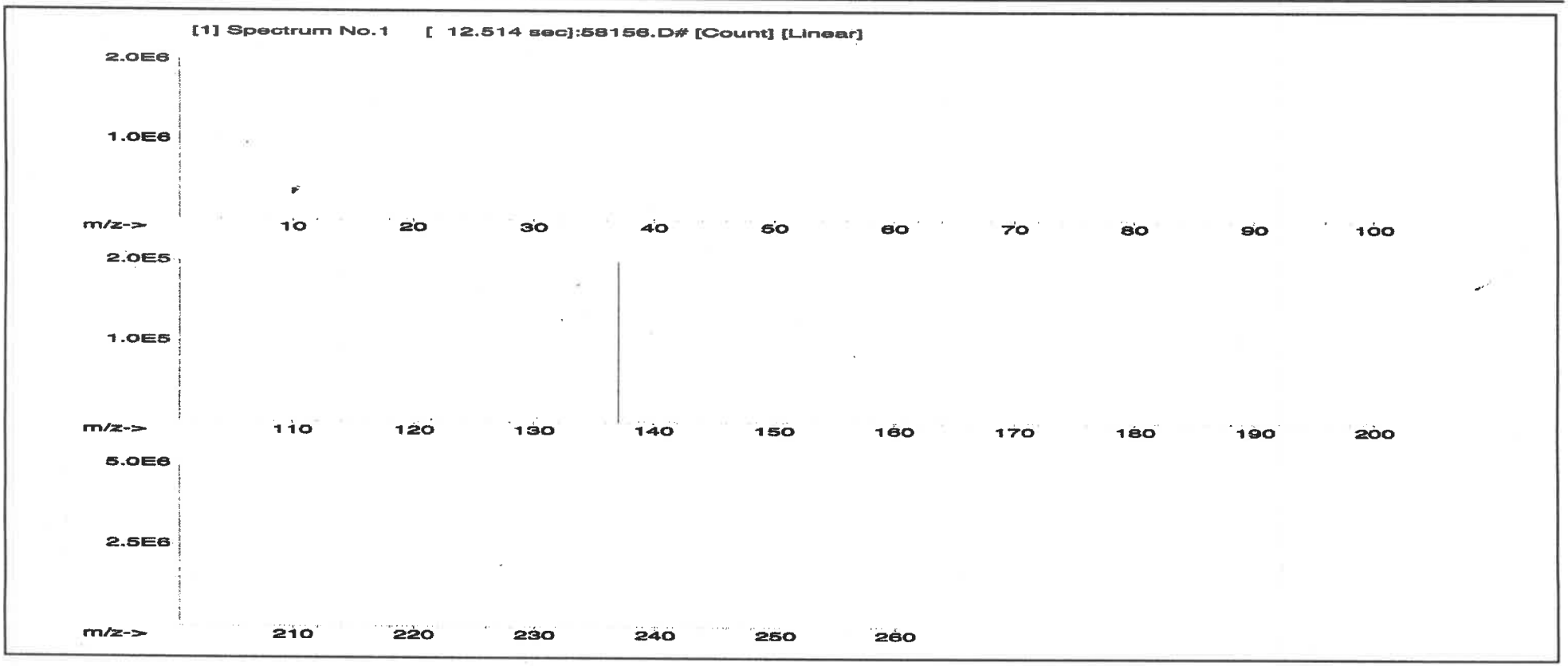
CERTIFIED WEIGHT REPORT:

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).

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Certified Reference Material CRM

IN5497 - IN5498 R: 03/17/23 BH

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58120
Lot Number: 031523
Description: Calcium (Ca)

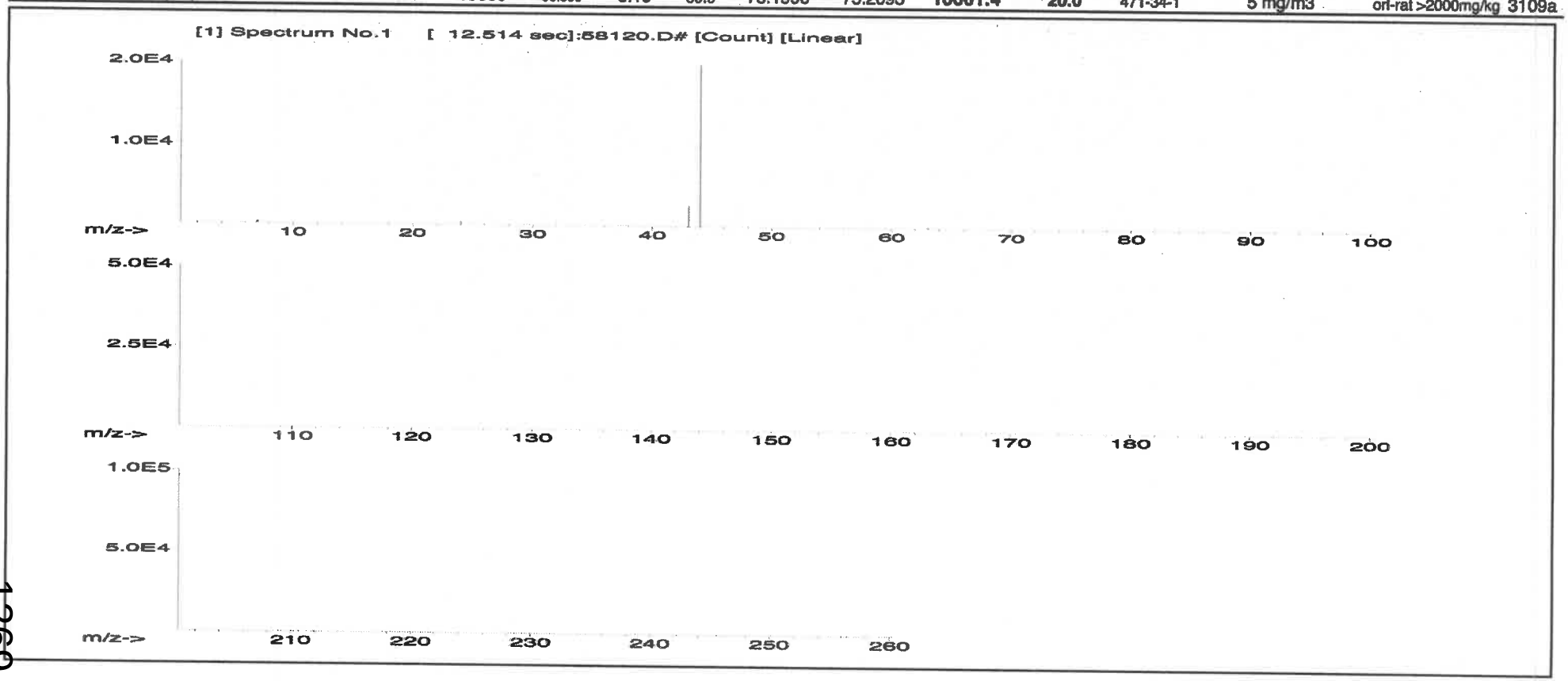
Expiration Date: 031526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41

Lot #			
Solvent:	21110221	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.058	Flask Uncertainty	

Giovanni Esposito

Formulated By:	Giovanni Esposito	031523
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



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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	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.
* 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

M 5513 R: 03/17/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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

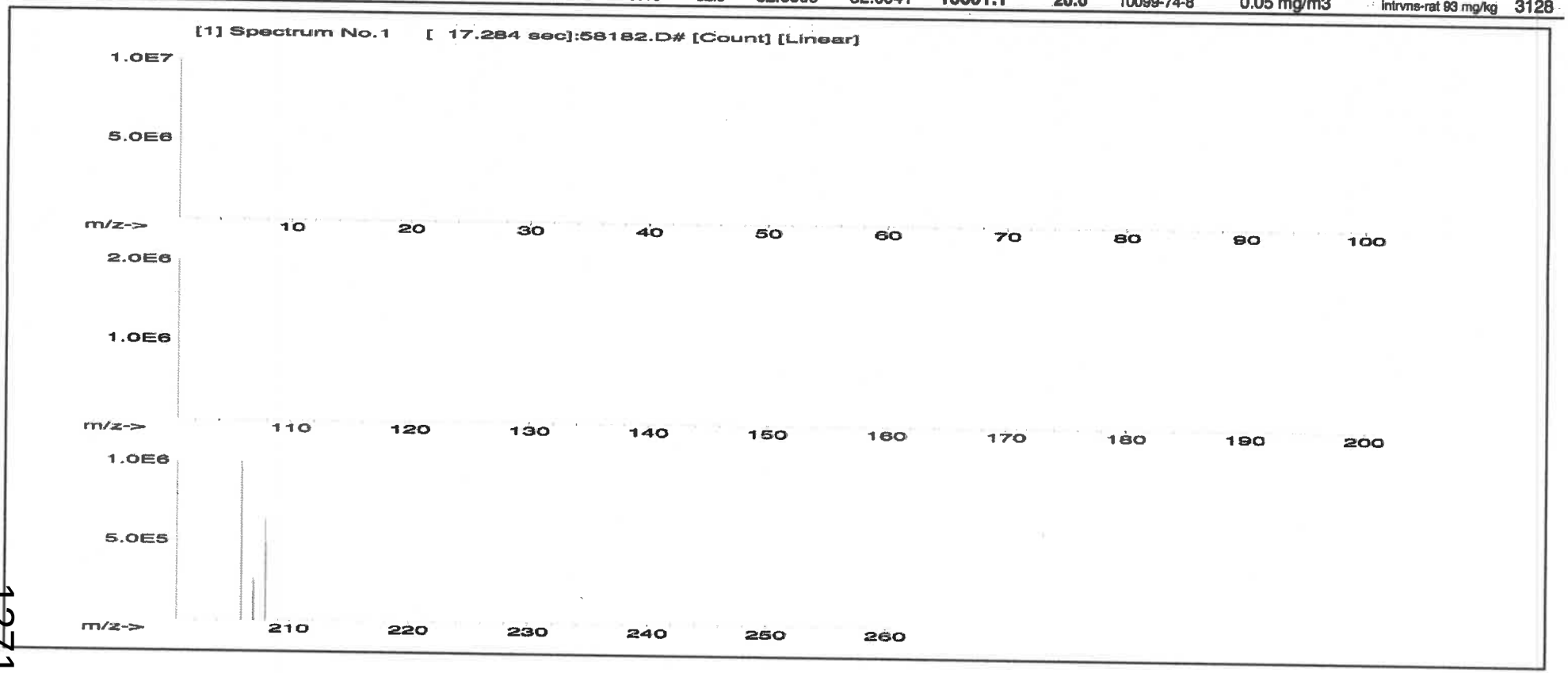
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

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



1271

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).

1272

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

MS514 - MS515 R: 03/17/22

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58126
Lot Number: 092122
Description: Iron (Fe)

Expiration Date: 092125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

Weight shown below was diluted to (mL): 5000.1 ± 0.12 Flask Uncertainty

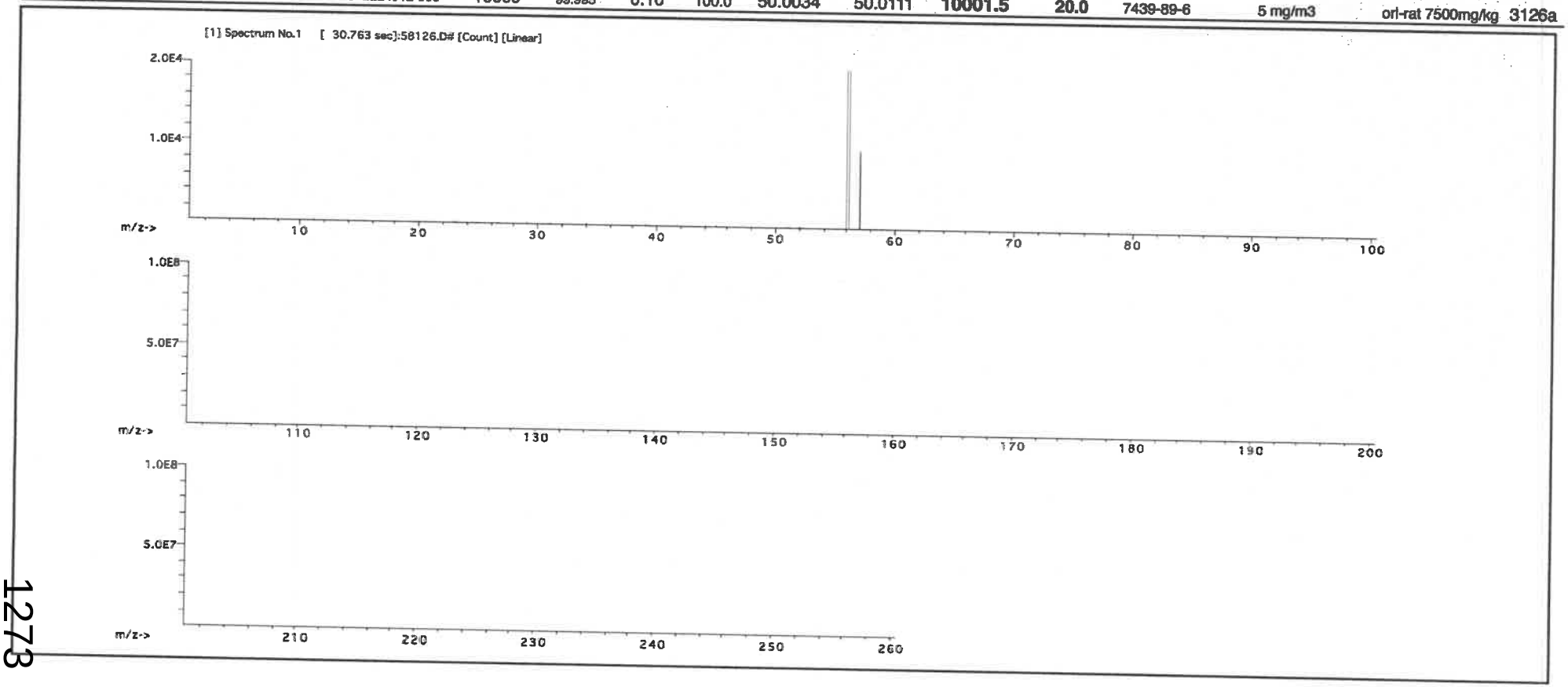
	Lot #		
Solvent:	20510011	Nitric Acid	
7.0%	350.0 (mL)	Nitric Acid	

5E-05 Balance 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



1273

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:

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).

1274

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5519. M5520 (BH) R:03/17/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

1275

CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 120822
Description: Potassium (K)

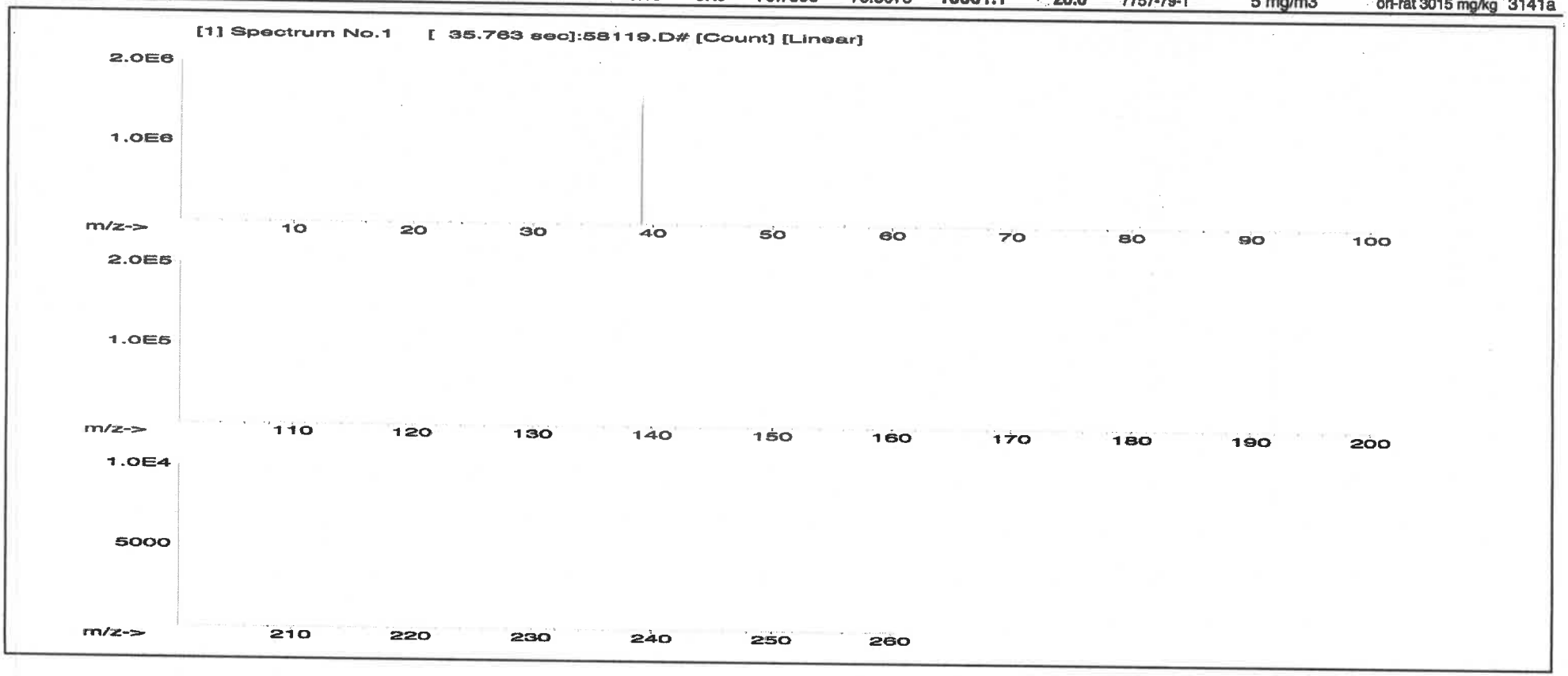
Expiration Date: 120825
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.4

	Lot #		
Solvent:	20510011	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.06	Flask 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



12776

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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Certificate of Analysis

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F: 540-585-3012
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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).

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 (t) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

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 (t) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

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

CORCO CHEMICAL CORPORATION

Manufacturers of ACS Reagents and Semiconductor Grade Chemicals

CERTIFICATE OF ANALYSIS

Date: 8/3/2022 MS631 MS632 MS633 MS634 **Lot No 820803**

Hydrogen Peroxide, ACS
Reagent Grade

TEST	MAXIMUM LIMITS	RESULT
Appearance	Colorless and free from suspended matter or sediment	Pass
Assay	29-32%	31.4%
Color (APHA)	10	5
Residue after Evaporation	0.002%	.0001%
Titratable Acid	0.0006 meq/g	< .0006 meq/g
Chloride (Cl)	2 ppm	< 1 ppm
Nitrate (NO_3)	2 ppm	< 1 ppm
Phosphate	2 ppm	< 1 ppm
Sulfate (SO_4)	5 ppm	< .5 ppm
Ammonium (NH_4)	5 ppm	< 1 ppm
Heavy Metals (as Pb)	1 ppm	< .1 ppm
Iron (Fe)	0.5 ppm	< .1 ppm
Sodium Stannate	200 – 300 ppb	Pass

***Our Hydrogen Peroxide is considered un-stabilized because it is very slightly stabilized with Sodium Stannate, 500 ppb maximum, just for safety purposes.

Date of MFG: 8/2022
Retest date: 8/2024

Gina M. Rambo
Office Manager

CORCO CHEMICAL CORPORATION. 299 CEDAR LANE. FAIRLESS HILLS, PA 19030. 215-295-5006. FAX 215-295-0781

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inorganicventures.com

M5657 A: 8/29/22

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-4
Lot Number:	T2-MEB721144
Matrix:	3% (v/v) HNO3
Value / Analyte(s):	100 µg/mL ea: Antimony,
	50 µg/mL ea: Cadmium, Thallium,
	40 µg/mL ea: Arsenic,
	20 µg/mL ea: Lead,
	10 µg/mL ea: Selenium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	99.9 ± 0.8 µg/mL	Arsenic, As	40.00 ± 0.25 µg/mL
Cadmium, Cd	49.96 ± 0.22 µg/mL	Lead, Pb	19.99 ± 0.10 µg/mL
Selenium, Se	10.00 ± 0.06 µg/mL	Thallium, Tl	49.96 ± 0.32 µg/mL

Density: 1.014 g/mL (measured at 20 ± 4 °C)

Assay Information:

1282

ANALYTE	METHOD	NIST SRM#	SRM LOT#
As	ICP Assay	traceable to 3103a	R2-AS691113
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

- 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**

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

July 07, 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 07, 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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Certified Reference Material CRM

M5658 R ! 8/25/23

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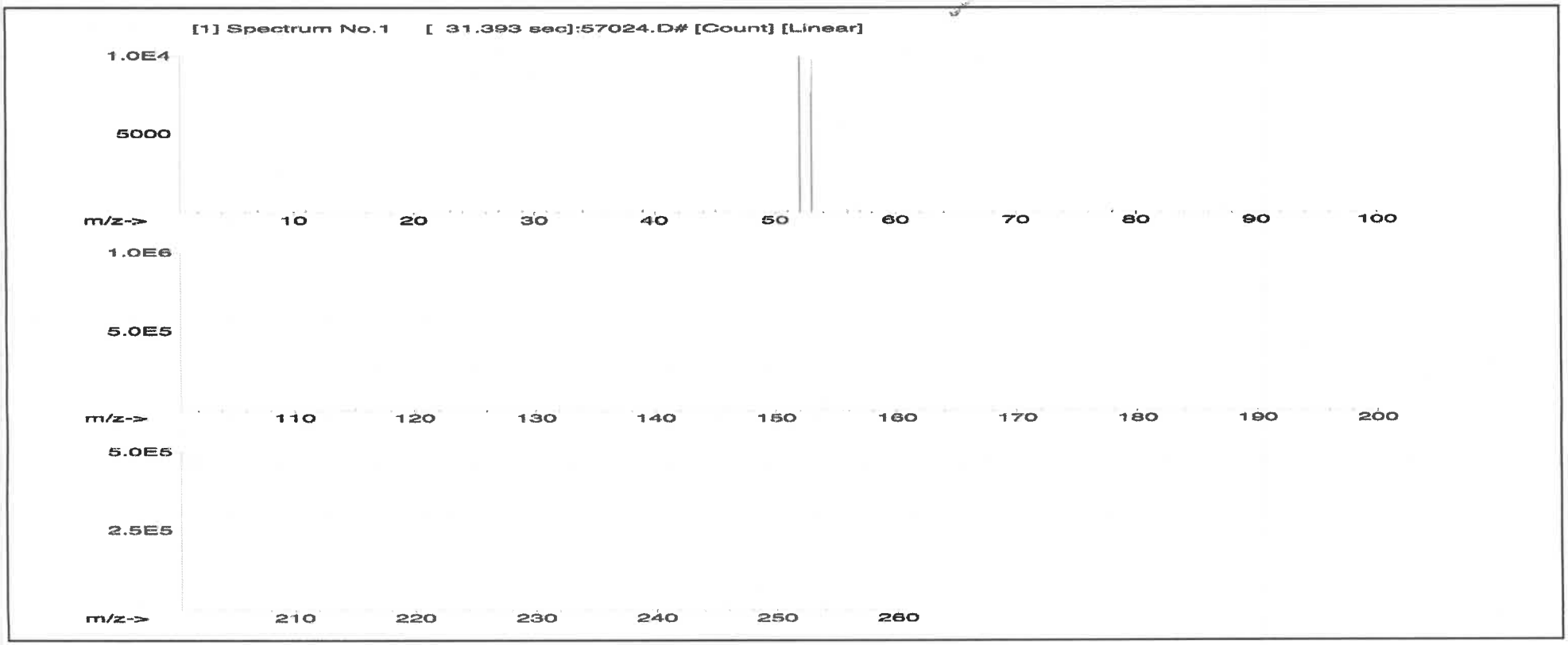
1286

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



1287

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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Certified Reference Material CRM

M5697 R: 10/27/23

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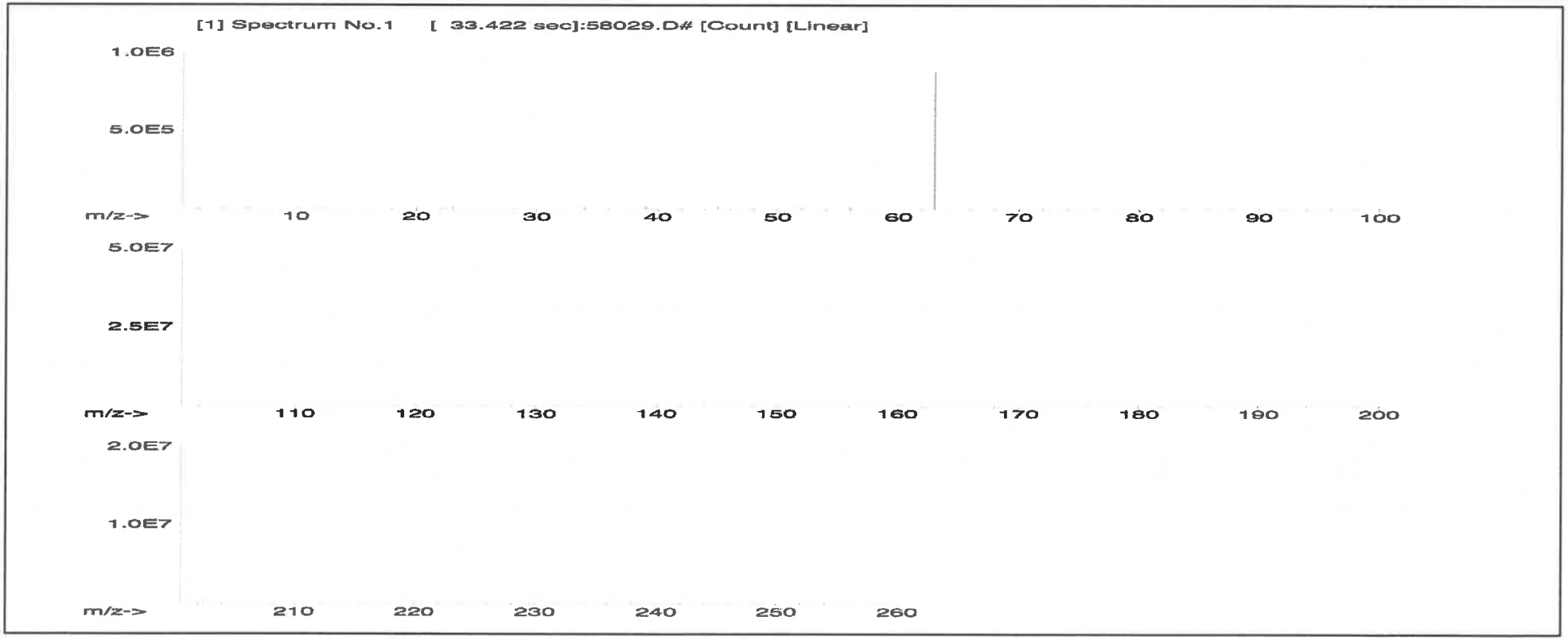
1288

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).
* 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

M5648 R: 10/27/23

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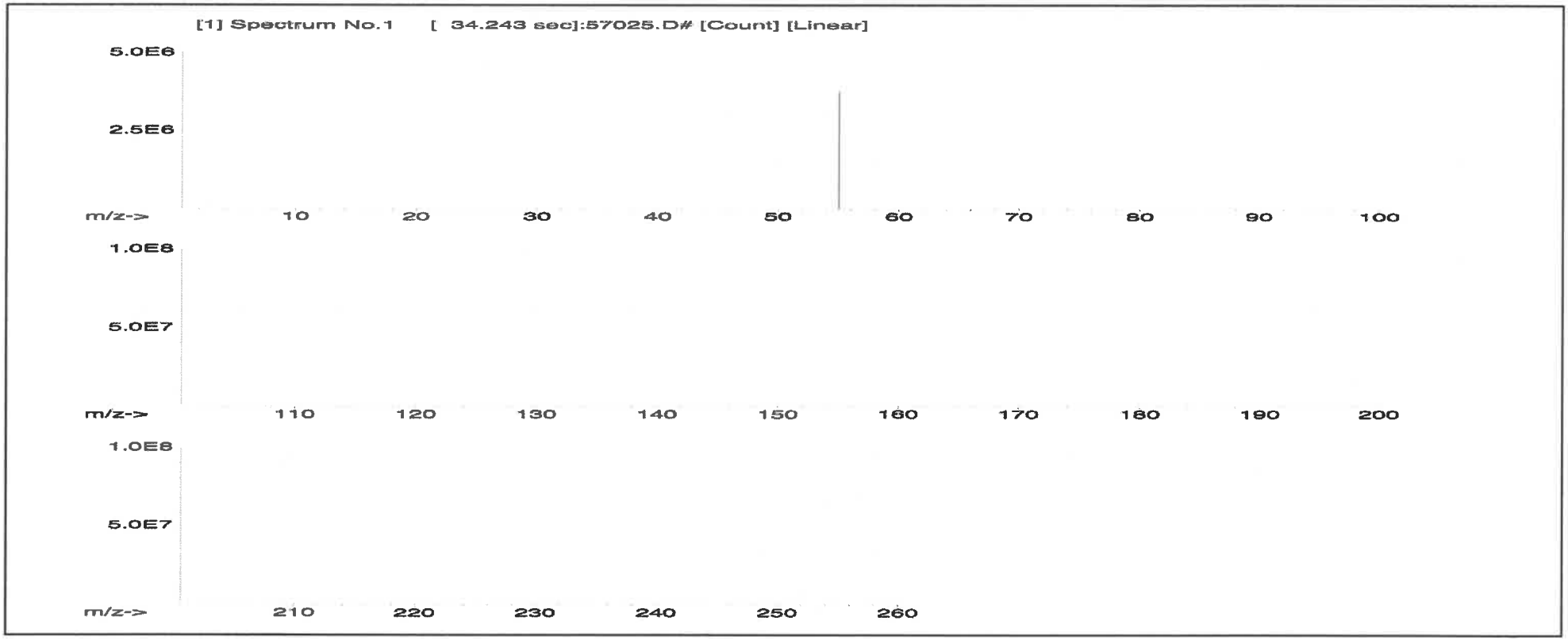
1290

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



1291

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:

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 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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M5768 M5769 (BP) R:1/3/24

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1292

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

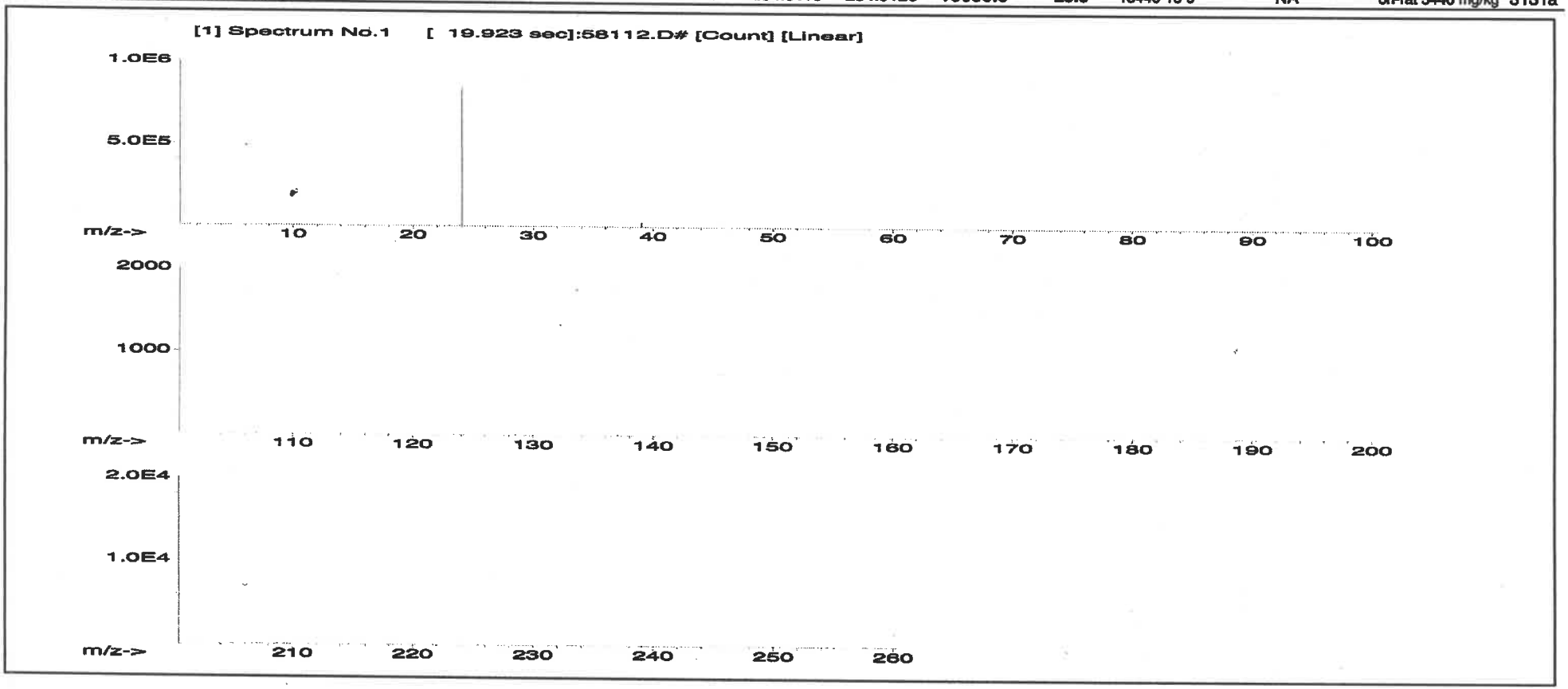
5E-05 Balance Uncertainty

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



1293

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.

* 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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M5768 M5769 (BP) R:1/3/24

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1294

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

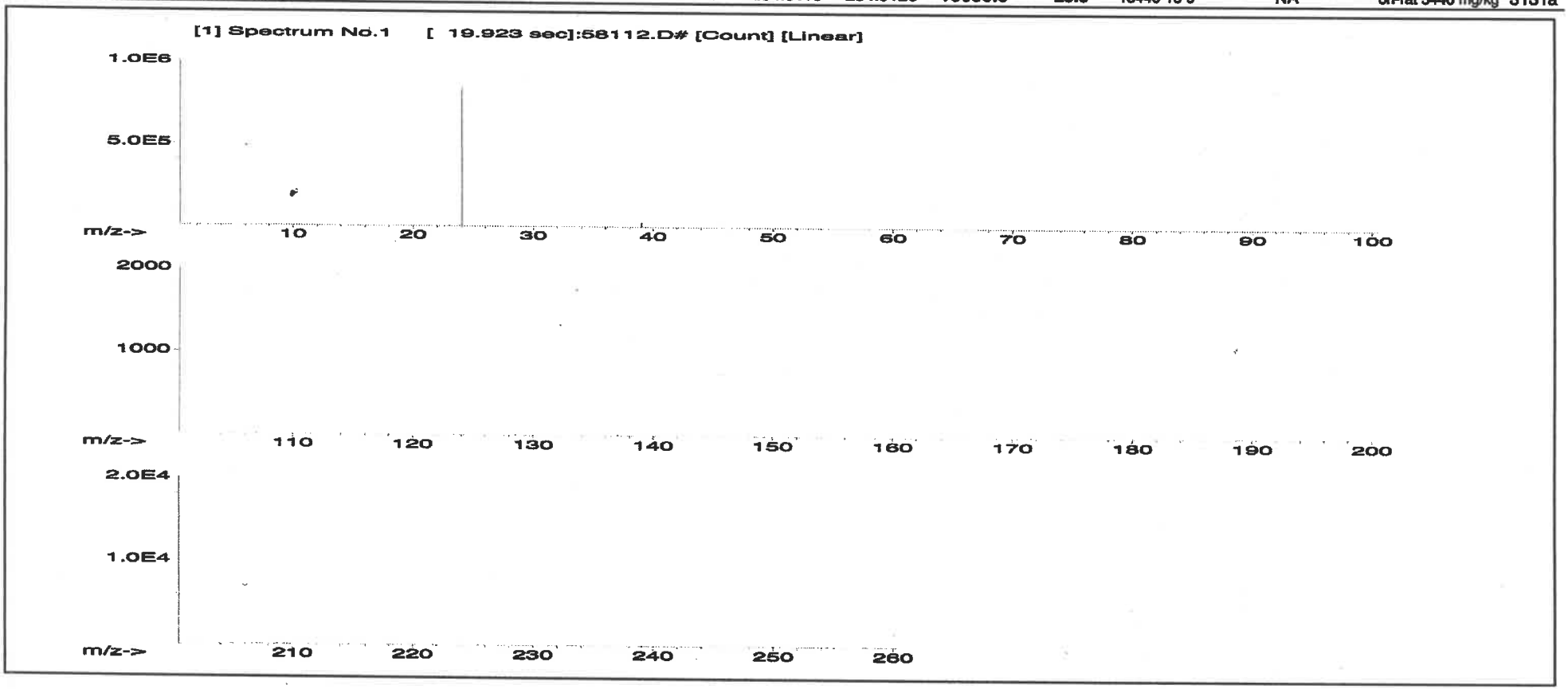
	Lot #		
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

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	orl-rat 5440 mg/kg	3131a



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.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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* All standard containers are meticulously cleaned prior to use.
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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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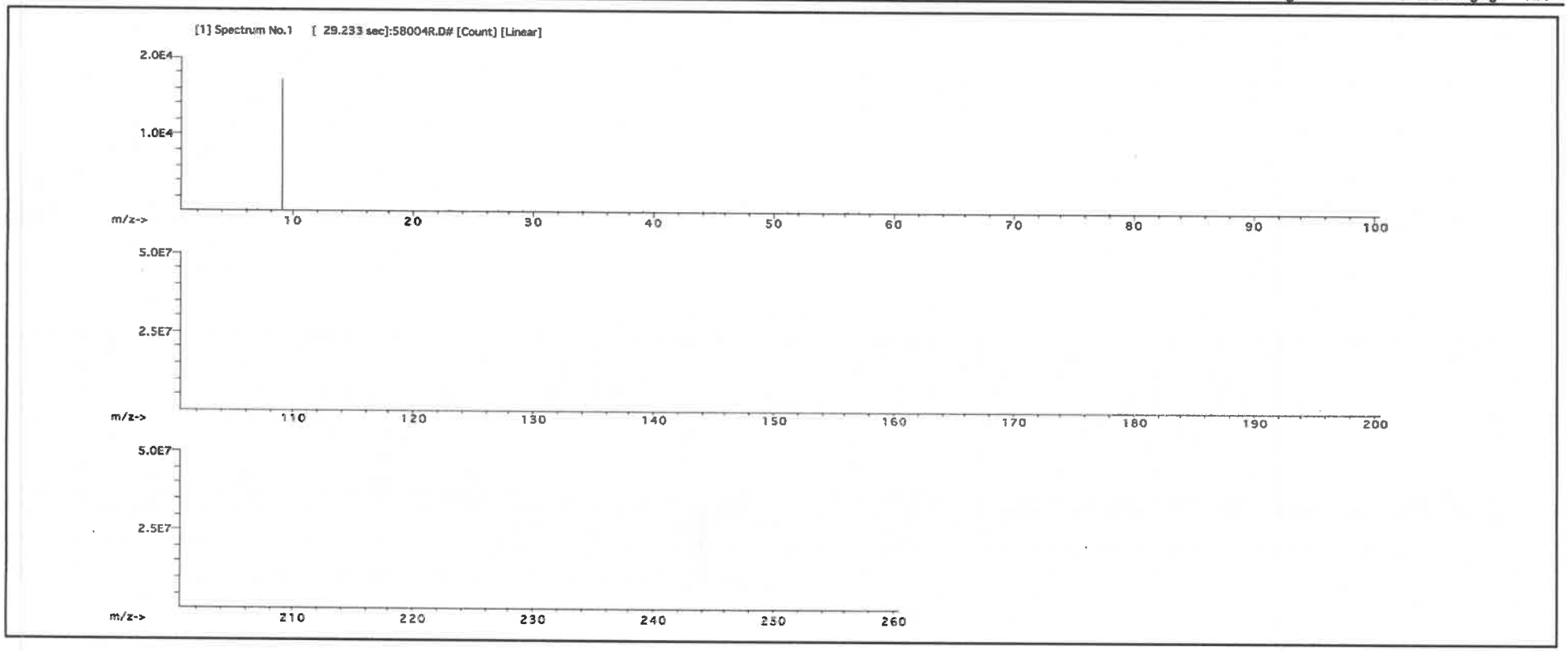
1296

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.
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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).

1297

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1298

CERTIFIED WEIGHT REPORT:

Part Number: 57050
Lot Number: 071123
Description: Tin (Sn)

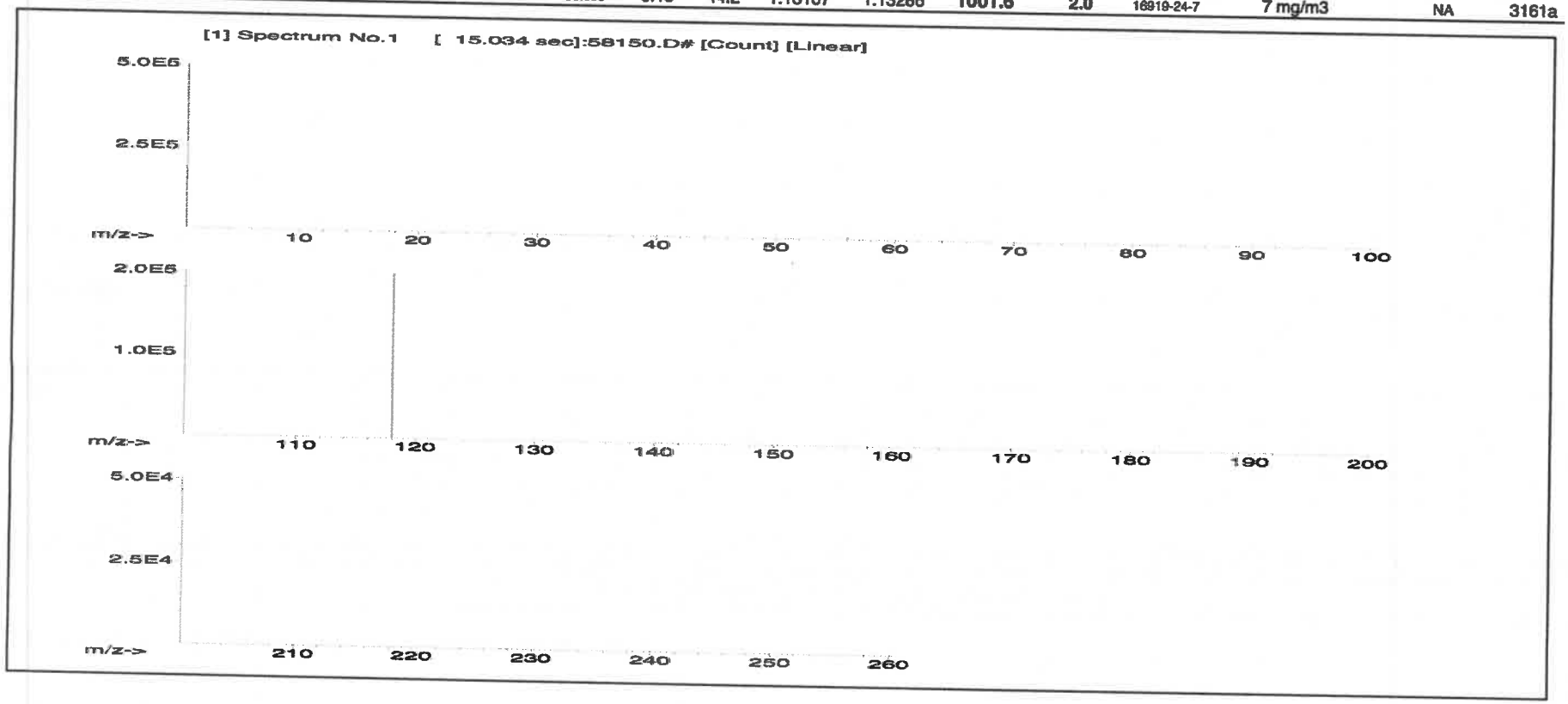
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93

	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



1299

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.
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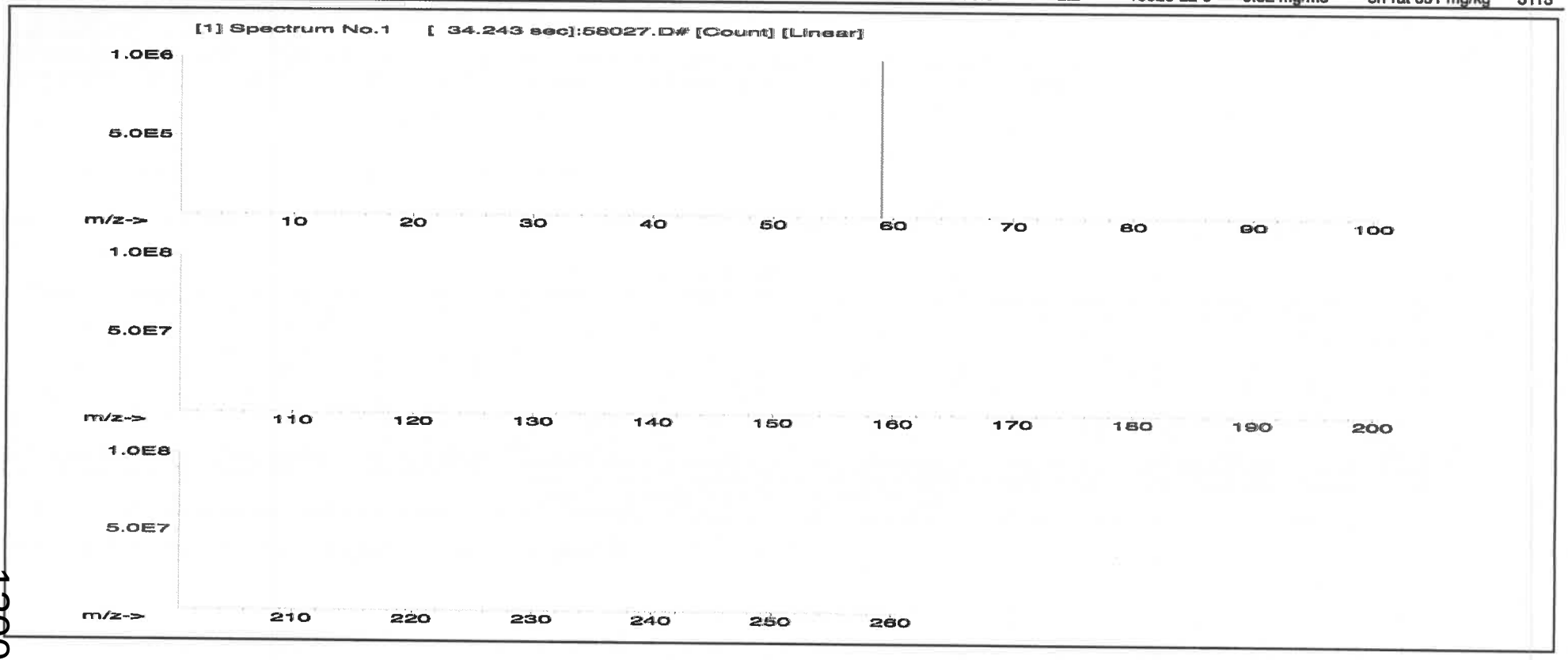
CERTIFIED WEIGHT REPORT:

		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



1300

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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1301

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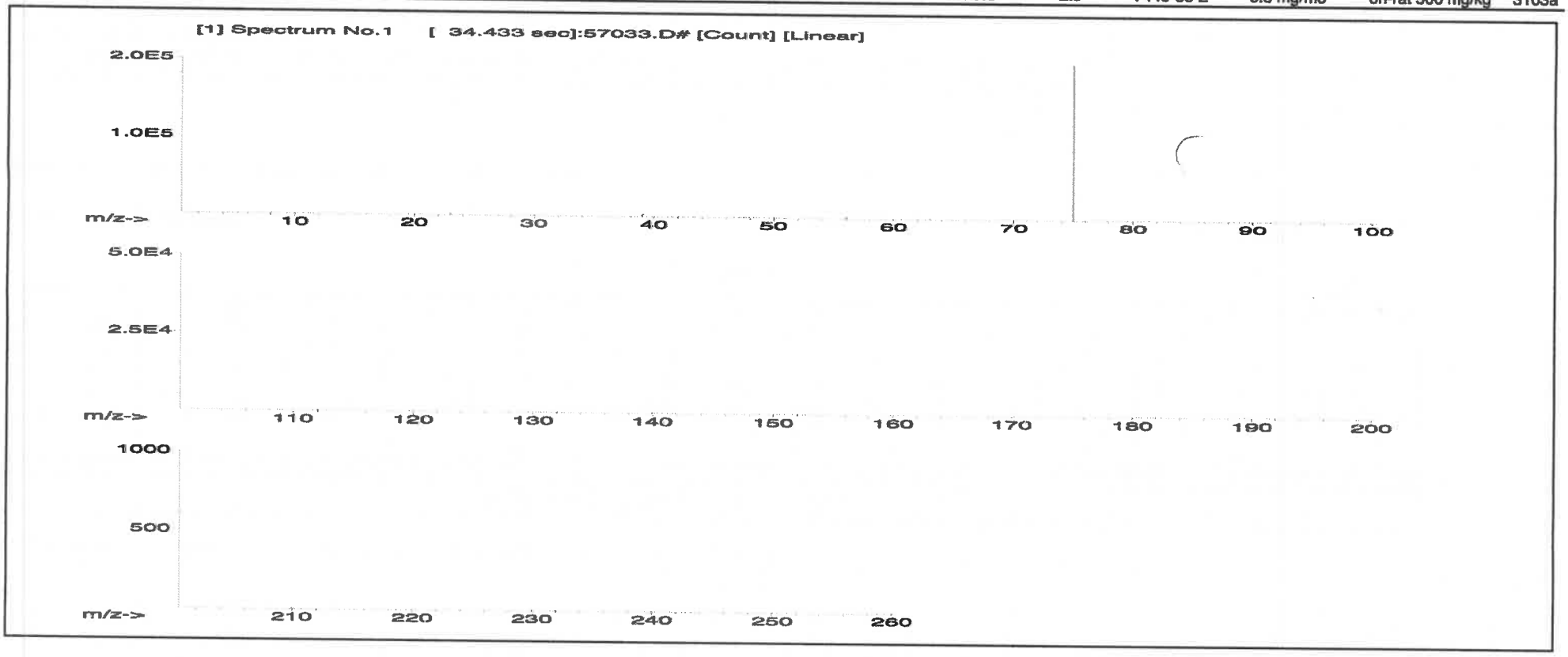
1302

CERTIFIED **WEIGHT** REPORT:

		Lot #	Solvent:		
Part Number:	**57033**	24002546	Nitric Acid		
Lot Number:	**111323**				
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



13033

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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* 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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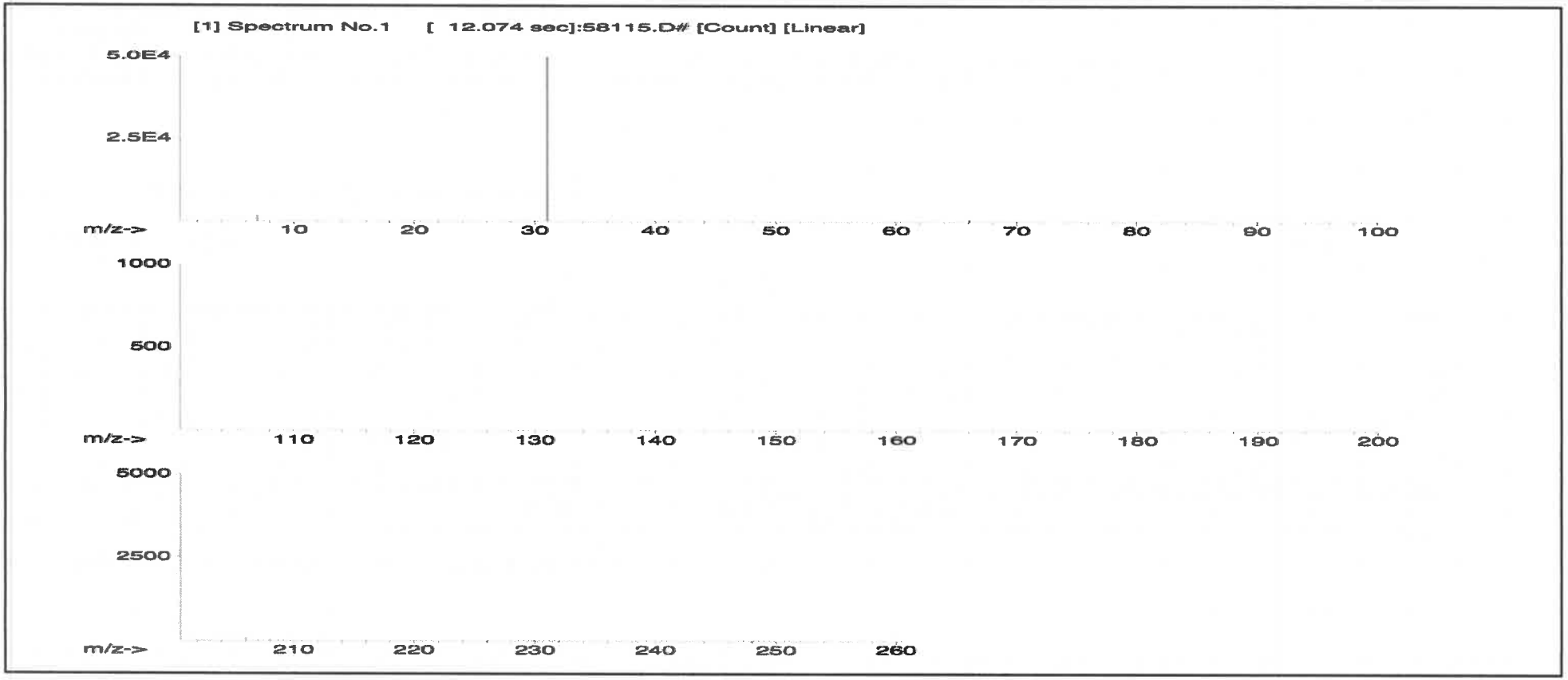
1304

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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* 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).

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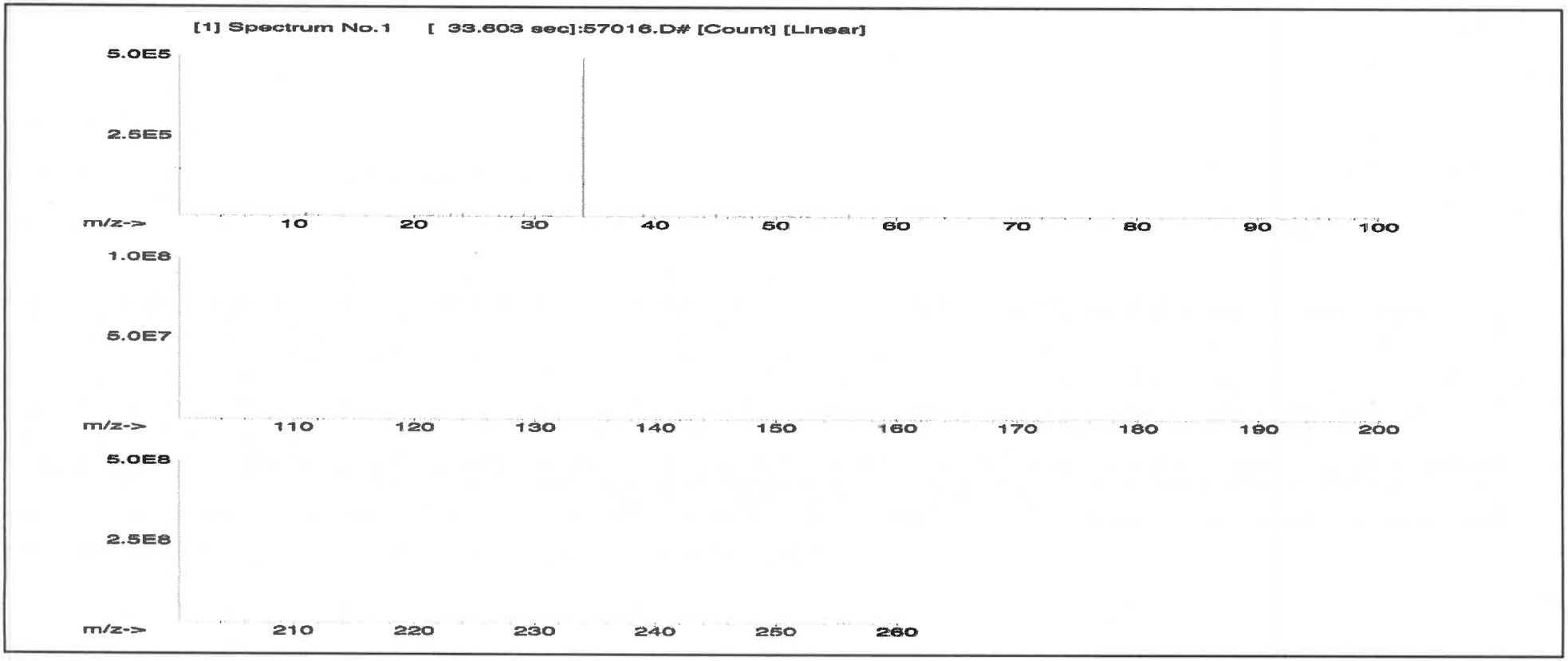
1306

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



1307

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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1308

CERTIFIED WEIGHT REPORT:

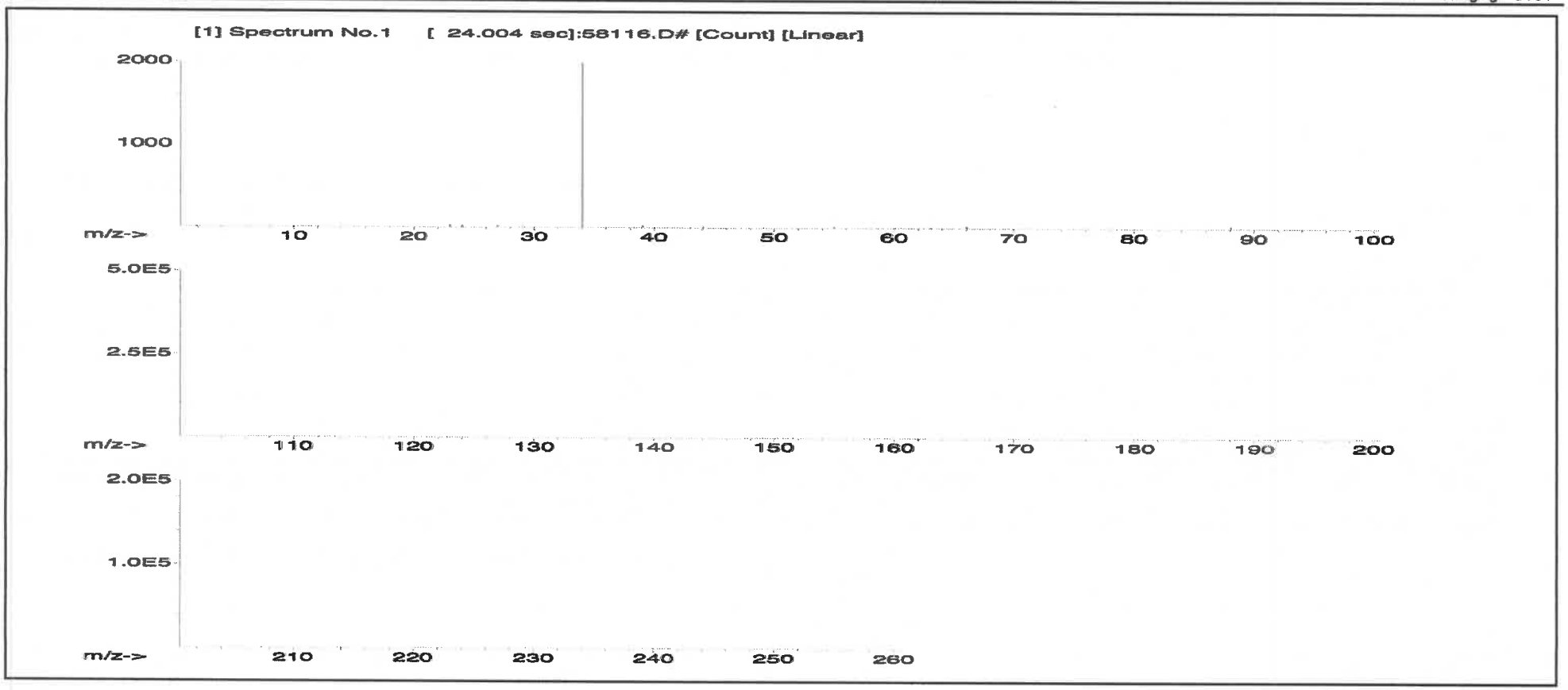
Part Number: 57116
Lot Number: 071123
Description: Sulfur (S)

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



13099

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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1310

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

Solvent: 24002546 Nitric Acid

2% 40.0 (mL) Nitric Acid

5E-05 Balance Uncertainty

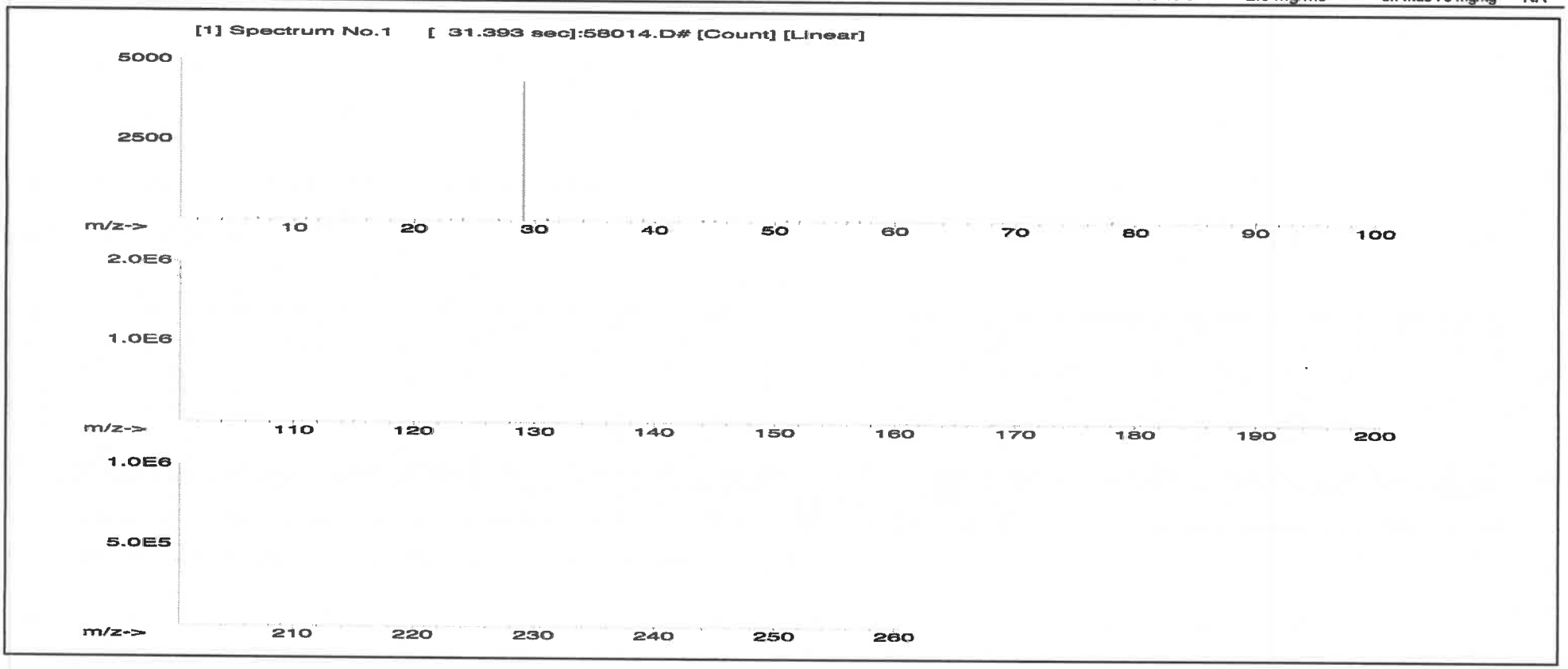
Aleah O'Brady

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



1311

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:

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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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1312

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

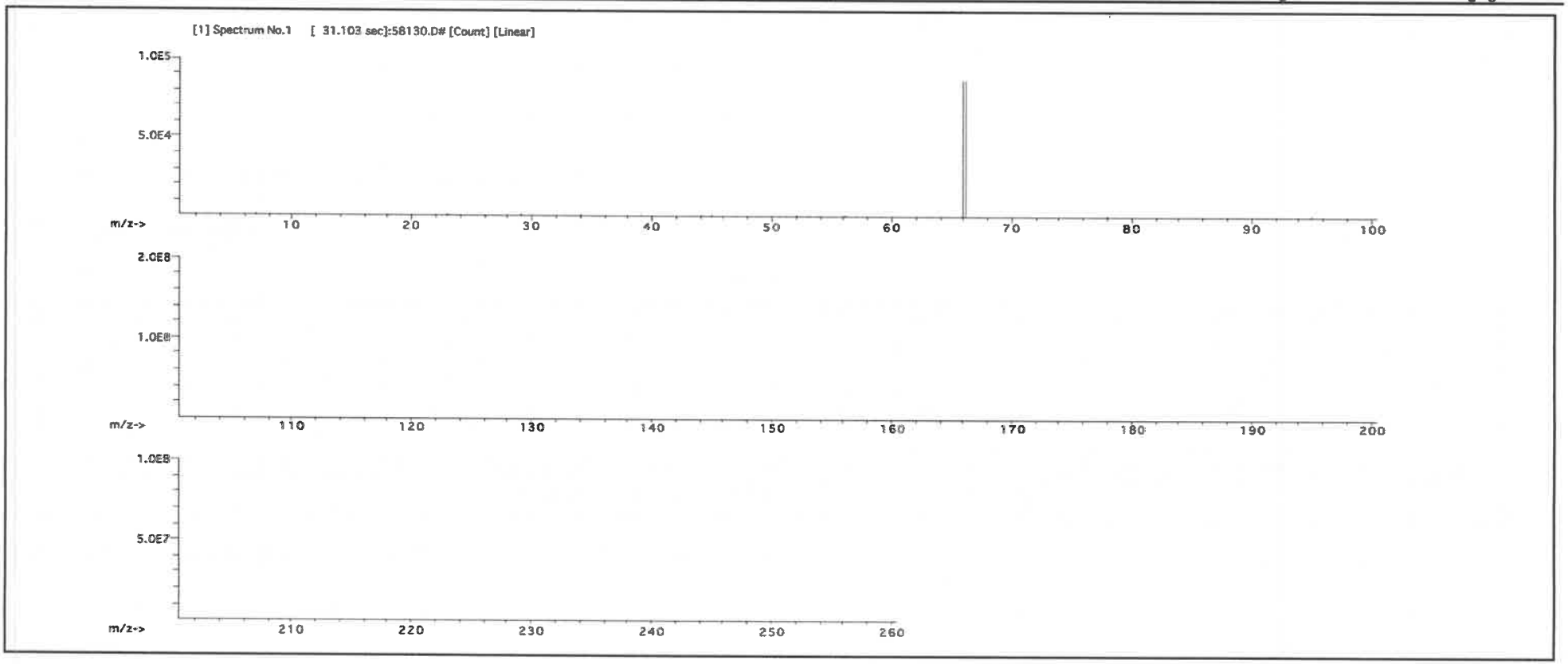
Weight shown below was diluted to (mL): 3000.4 ± 0.06 Flask Uncertainty

		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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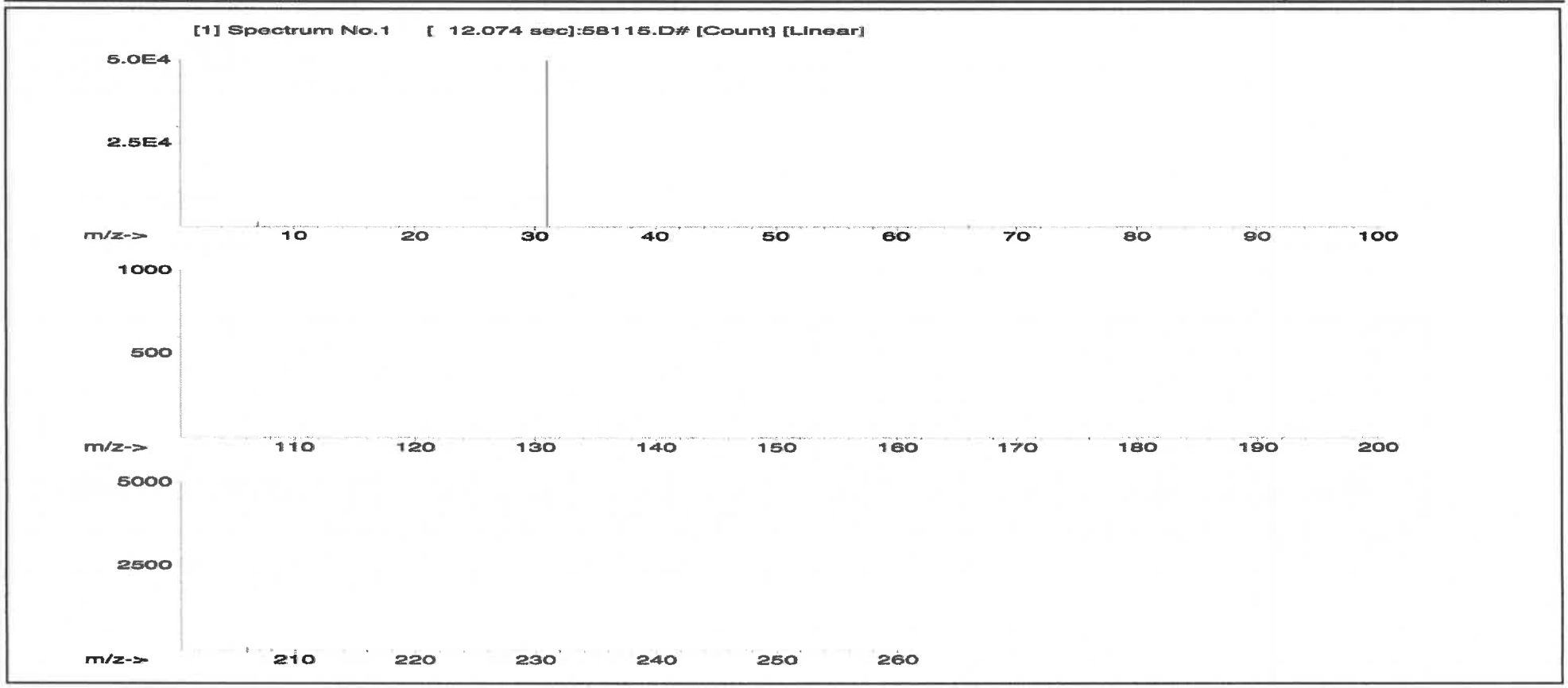
1314

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



1315

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

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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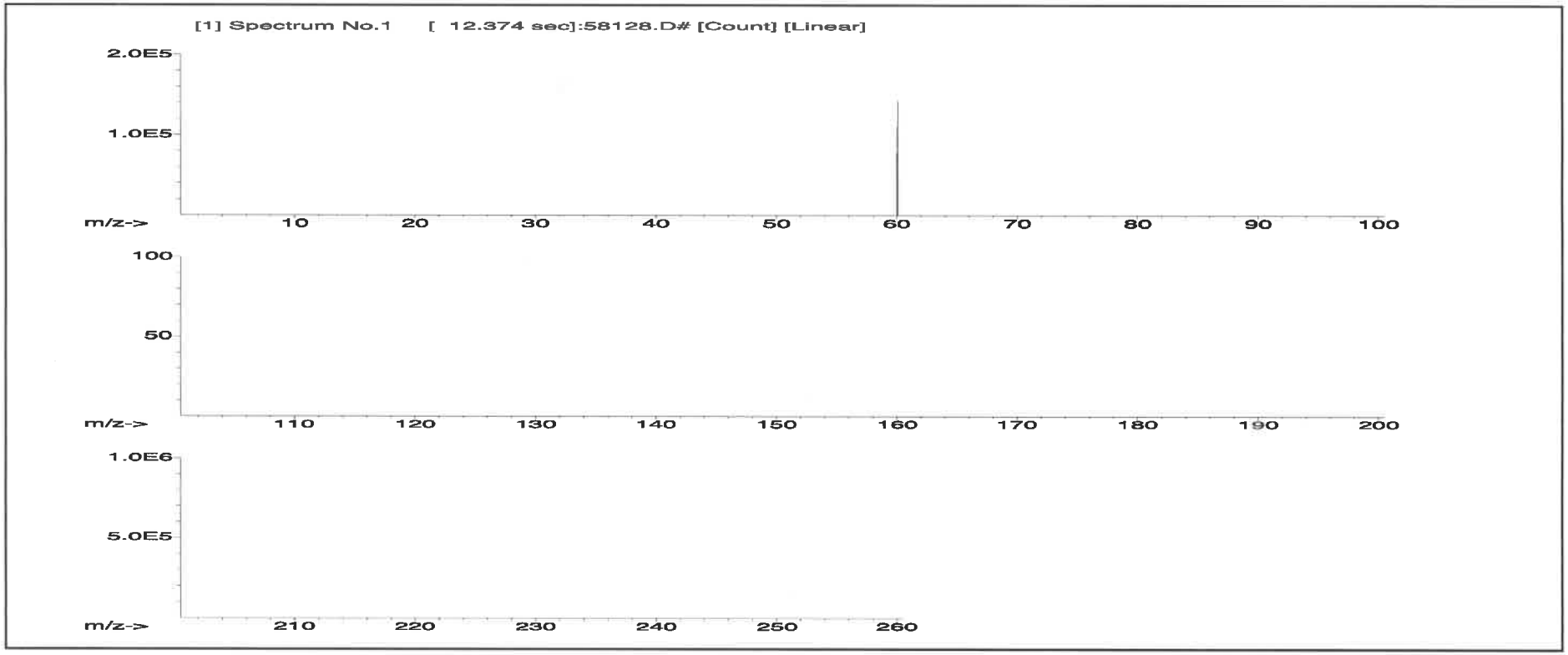
1316

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



1317

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	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.

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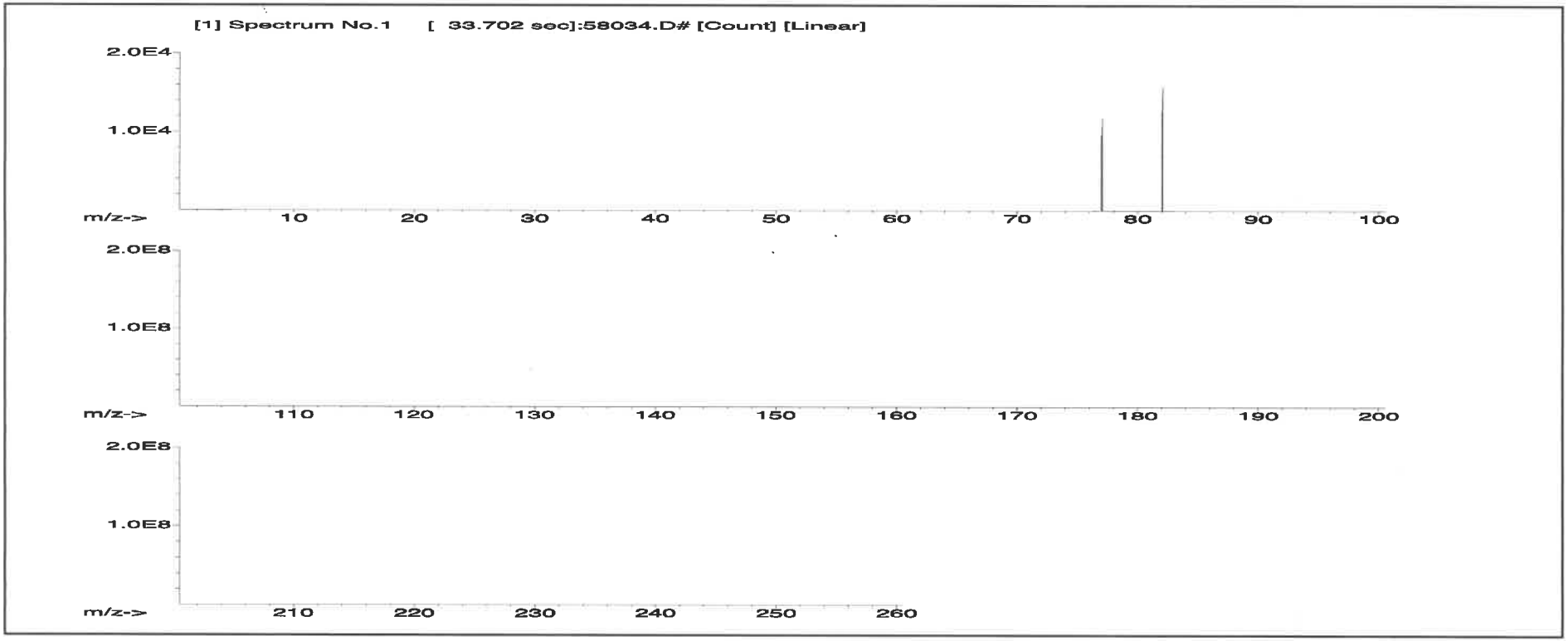
1318

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



1319

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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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

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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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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

H5981 R:6/11/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57092**	24002546	Nitric Acid		
Lot Number:	**060724**				
Description:	**Uranium (U)**				
		2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	060727				
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		

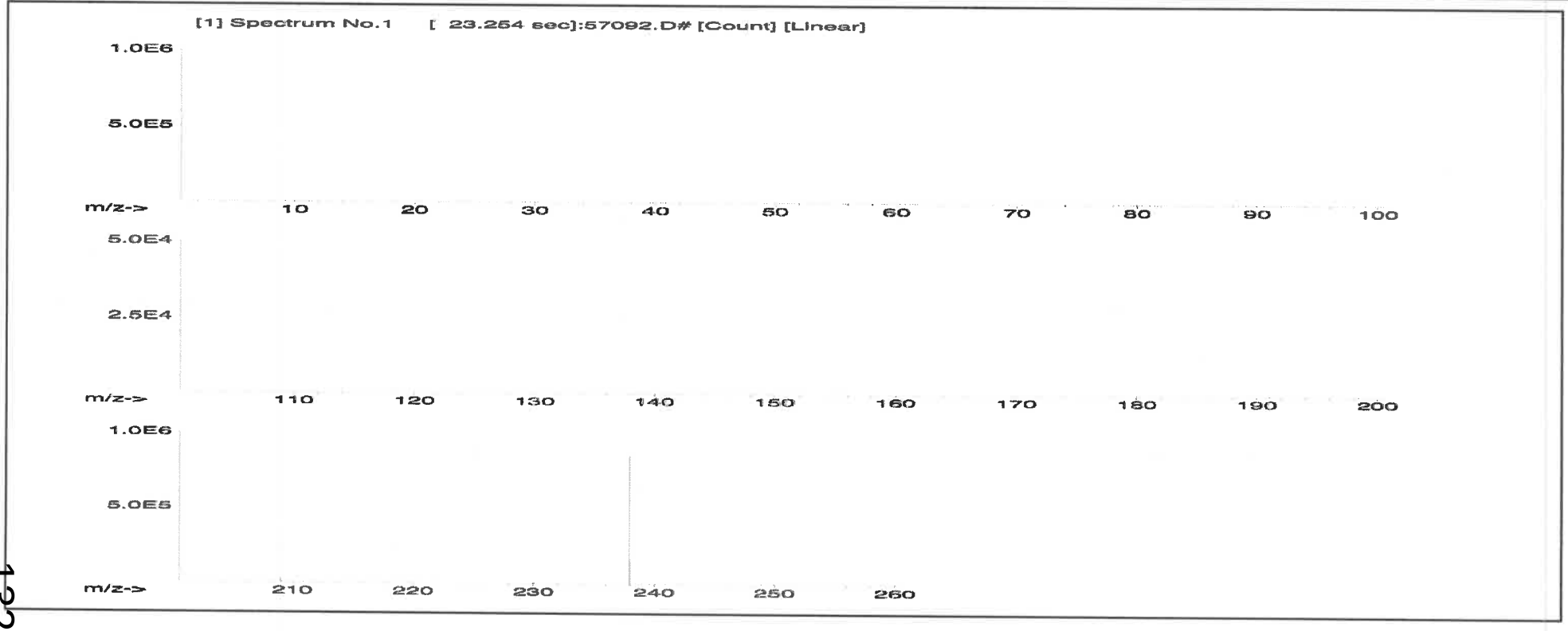
Giovanni Esposito

Formulated By:	Giovanni Esposito	060724

Pedro Rentas

Reviewed By:	Pedro L. Rentas	060724

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. Uranyl nitrate hexahydrate (U)	58192	041524	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13520-83-7	0.05 mg/m3	orl-rat 1040 mg/kg	3164



1328

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	T
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).

1329

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45982 R: 6/11/24

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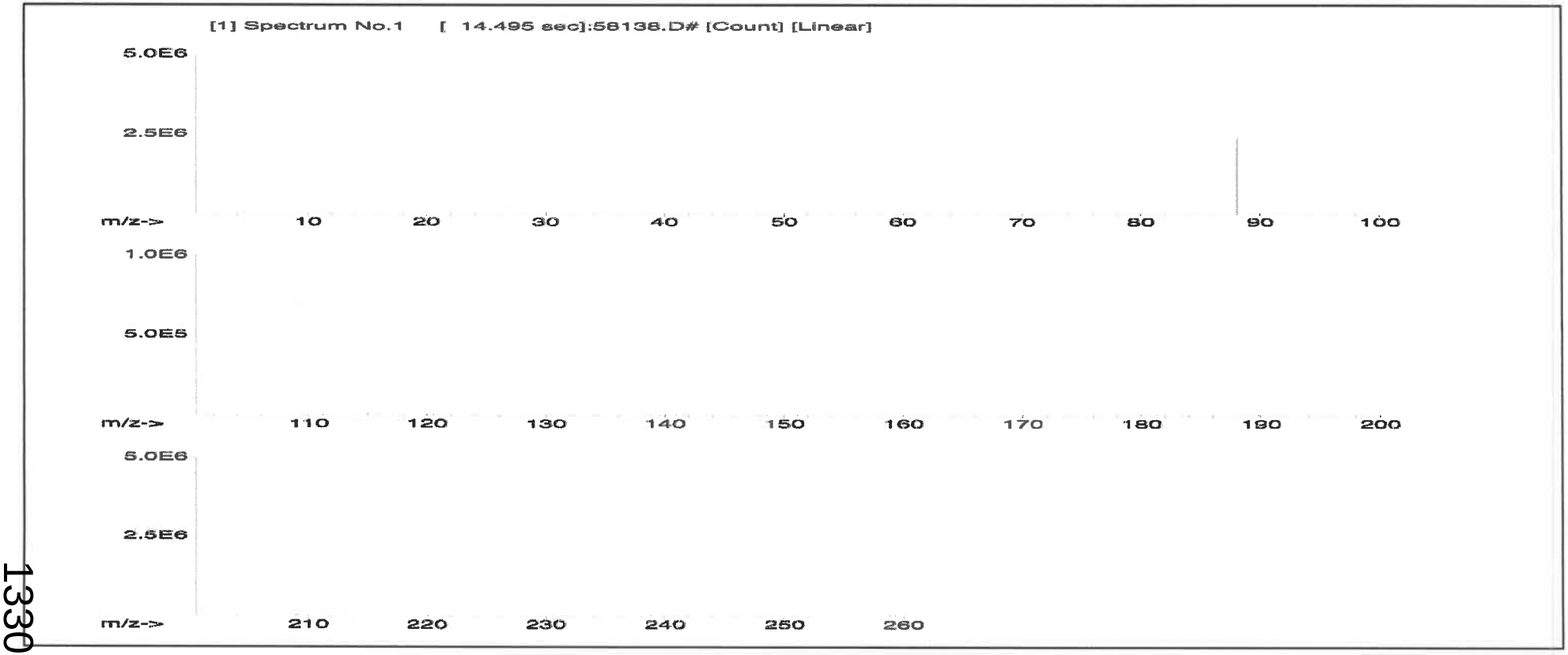
CERTIFIED WEIGHT REPORT:

Part Number:	**57038**		**Lot #**		
Lot Number:	**031524**	**Solvent:**	24002546	Nitric Acid	
Description:	**Strontium (Sr)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	031527				
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		

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



1330

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.
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* 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).

1331

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M5983 R: 6/11/24

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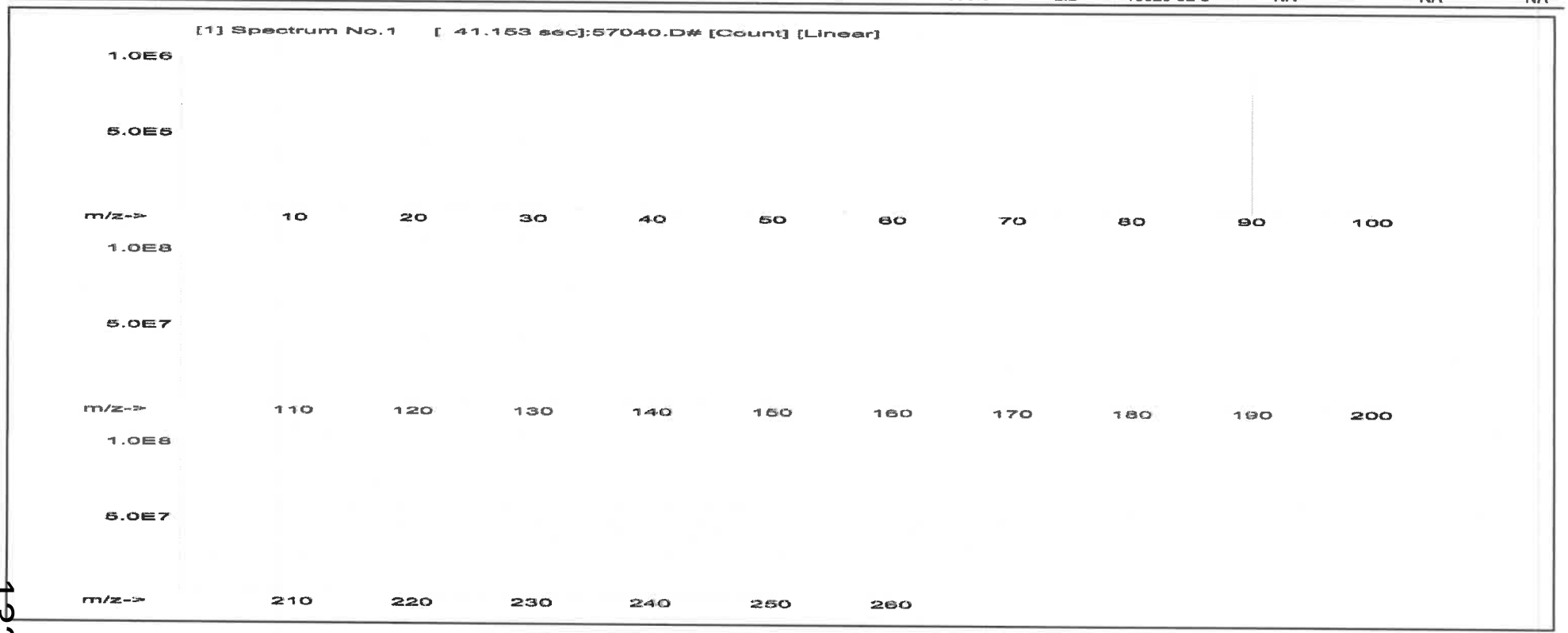
CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	57040	21110221	Nitric Acid	
Lot Number:	071423			
Description:	Zirconium (Zr)	2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	071426			
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	071423
Reviewed By:	Pedro L. Rentas	071423

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. Zirconyl chloride octahydrate (Zr)	58140	070621	0.1000	200.0	0.084	1000	10000.3	**1000.0**	**2.2**	13520-92-8	NA	NA	NA



1332

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	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	T

(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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* 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).

1333

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R: 01/03/24 M6033

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1334

CERTIFIED WEIGHT REPORT:

				Lot #	
Part Number:	**58113**		**Solvent:**	20510011	Nitric Acid
Lot Number:	**011623**				
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		

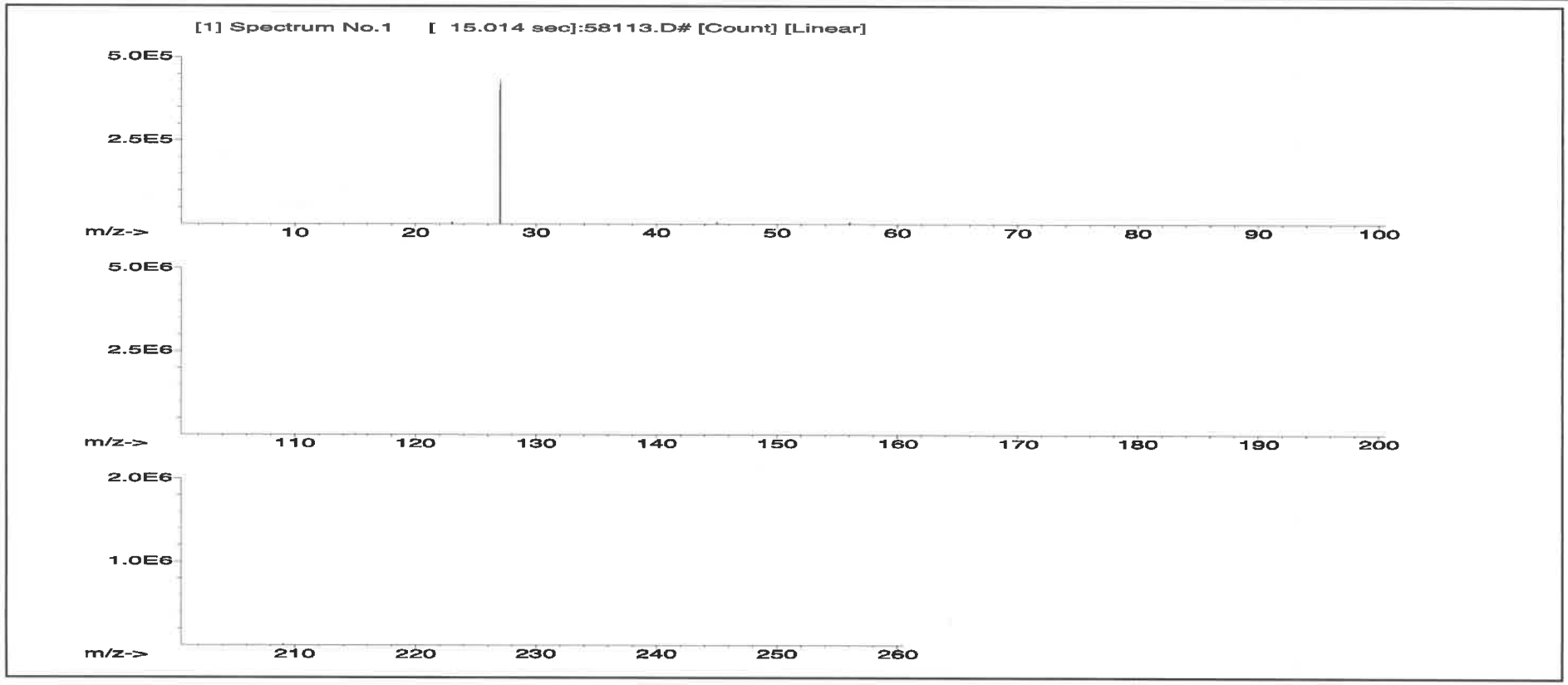
Giovanni Esposito

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



Nitric Acid 69%
CMOS

Recv date: 1. 1. – 08/01/2023

M6034, M6037
M6035, M6038,
M6036,

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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

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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

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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

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Received — 08/01/2024
paper
M6039
M6040

Material No.: 9530-33
Batch No.: 24D1562005
Manufactured Date: 2024-03-18
Retest Date: 2029-03-17
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	1.192
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	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities - Barium (Ba)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 20.0 ppb	2.2 ppb
Trace Impurities - Cadmium (Cd)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	31.0 ppb
Trace Impurities - Chromium (Cr)	≤ 1.0 ppb	0.5 ppb
Trace Impurities - Cobalt (Co)	≤ 1.0 ppb	0.2 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	3 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

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Material No.: 9530-33
Batch No.: 24D1562005

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.2 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	0.2 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 1.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.0 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	< 0.4 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	< 0.2 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

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Material No.: 9530-33
Batch No.: 24D1562005

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

Jamie Croak
Director Quality Operations, Bioscience Production

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Certificate of Analysis

R 8/19/24, M60055

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:	IV-STOCK-12
Lot Number:	U2-MEB734294
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	10 µg/mL ea:

Barium, Beryllium,
Bismuth, Cerium,
Cobalt, Indium,
Lithium, Nickel,
Lead, Uranium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Barium, Ba	10.01 ± 0.04 µg/mL	Beryllium, Be	10.01 ± 0.05 µg/mL
Bismuth, Bi	10.01 ± 0.06 µg/mL	Cerium, Ce	10.01 ± 0.04 µg/mL
Cobalt, Co	10.01 ± 0.05 µg/mL	Indium, In	10.01 ± 0.04 µg/mL
Lead, Pb	10.00 ± 0.04 µg/mL	Lithium, Li	10.01 ± 0.04 µg/mL
Nickel, Ni	10.01 ± 0.04 µg/mL	Uranium, U	10.01 ± 0.05 µg/mL

Density: 1.025 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ba	ICP Assay	3104a	140909
Ba	Calculated		See Sec. 4.2
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Bi	ICP Assay	3106	180815
Ce	ICP Assay	3110	160830
Ce	EDTA	928	928
Ce	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Co	Calculated		See Sec. 4.2
In	ICP Assay	3124a	110516
In	EDTA	928	928
In	Calculated		See Sec. 4.2
Li	ICP Assay	3129a	100714
Li	Calculated		See Sec. 4.2
Li	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Ni	Calculated		See Sec. 4.2
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Pb	Calculated		See Sec. 4.2
U	ICP Assay	traceable to 3164	R2-U689597
U	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 (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

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

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Uranium 238U	99.8 ± 0.1
Uranium 235U	0.19 ± 0.05

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

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

June 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

- June 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

Nitric Acid 69%
CMOS

M6096
M6097
M6098
M6099
M6100

Mtd 9/21/24

avantor™ | J.T.Baker®

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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 01/03/24 M5806, M5807

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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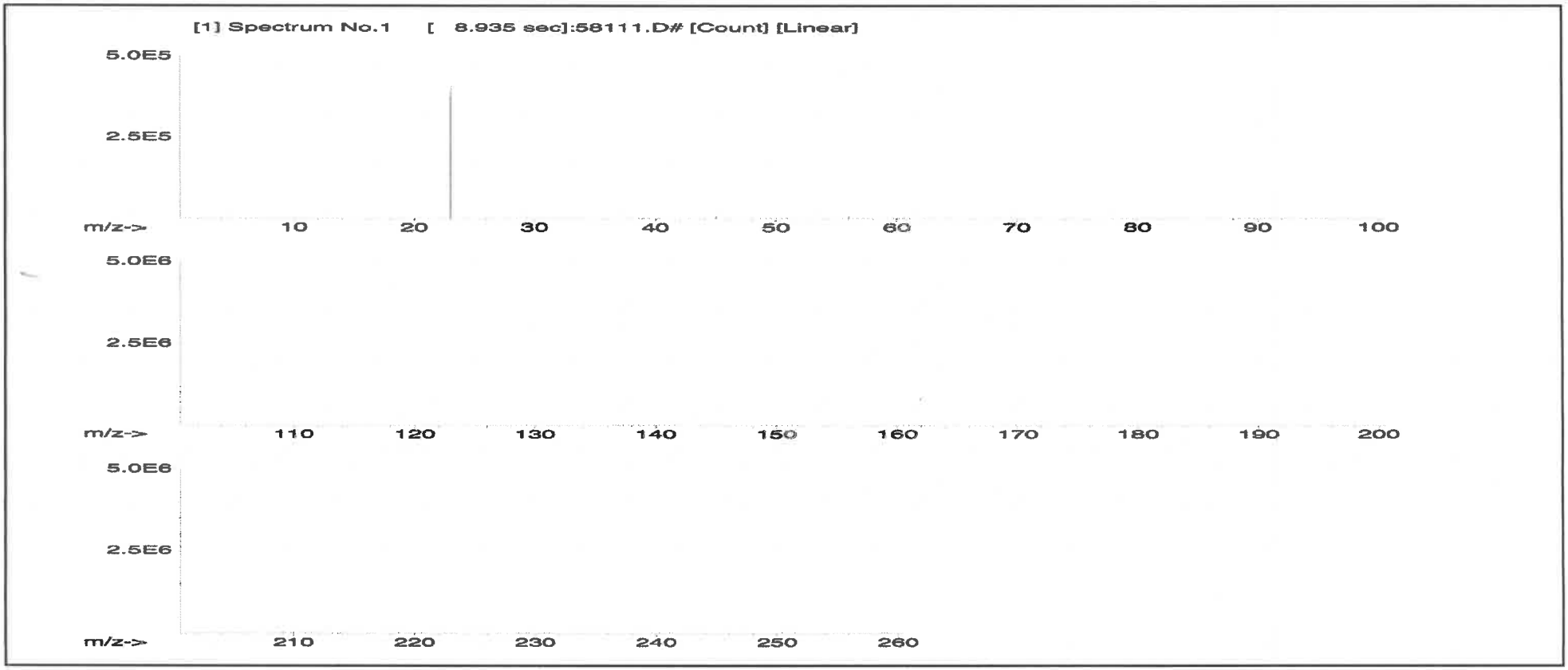
CERTIFIED WEIGHT REPORT:

			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



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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	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).

INORGANIC VENTURES™

Refine your results. Redefine your industry.

A: 4/11/22

Certificate of Analysis

M5738, M5739, M5740, M5741, M5742, M5743

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:	6020ISS
Lot Number:	S2-MEB709511
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	10 µg/mL ea:

Bismuth, Holmium,
Indium, 6-Lithium,
Rhodium, Scandium,
Terbium, Yttrium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
6-Lithium, Li6	10.00 ± 0.03 µg/mL	Bismuth, Bi	10.00 ± 0.05 µg/mL
Holmium, Ho	10.00 ± 0.05 µg/mL	Indium, In	10.00 ± 0.04 µg/mL
Rhodium, Rh	10.00 ± 0.07 µg/mL	Scandium, Sc	10.00 ± 0.04 µg/mL
Terbium, Tb	10.00 ± 0.04 µg/mL	Yttrium, Y	10.00 ± 0.04 µg/mL

Density: 1.035 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Bi	ICP Assay	3106	180815
Bi	Calculated		See Sec. 4.2
Ho	ICP Assay	3123a	090408
Ho	EDTA	928	928
In	ICP Assay	3124a	110516
In	EDTA	928	928
In	Calculated		See Sec. 4.2
Li6	Gravimetric		See Sec. 4.2
Rh	ICP Assay	3144	070619
Sc	ICP Assay	3148a	100701
Sc	EDTA	928	928
Tb	ICP Assay	3157a	100518
Tb	EDTA	928	928
Tb	Calculated		See Sec. 4.2
Y	ICP Assay	3167a	120314
Y	EDTA	928	928
Y	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

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Lithium Li6	95.6 ± 0.3
Lithium Li7	4.4 ± 0.1

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**

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

September 03, 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

- September 03, 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

QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (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 an 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-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

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 the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, 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*

This interference check sample set is to be used to verify elemental isobaric correction factors of inductively coupled plasma-mass spectrometers (ICP-MS). This reference material set consists of two (2) concentrated solutions. The ICSA solution contains several interferent elements and species; for a complete listing refer to the CLP SOW. 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 the ICP-MS ICS 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-0803, Inferferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution by ICP-MS.

ICSB-0803, Analytes, mixed with ICSA-0803, 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 1% v/v HNO_3. Analyze this ICSAB solution by ICP-MS.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS 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-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803

ICSA: M5873

ICSB: M5874

Element	CRQL	Part A (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)	Part A +Part B (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)
Al	20.0	[100000]			[100000]		
Sb	2.0	(1.5)	-2.5	5.5	(22.0)	18.0	26.0
As	1.0	(0.1)	-1.9	2.1	19.0	16.2	21.9
Ba	10.0	(1.2)	-18.8	21.2	(22.0)	2.0	42.0
Be	1.0	(0)	-2.0	2.0	19.0	16.2	21.9
Cd	1.0	(0.7)	-1.3	2.7	20.0	17.0	23.0
Ca	500	[100000]			[100000]		
C		[200000]			[200000]		
Cl		[1000000]			[1000000]		
Cr	2.0	(21.0)	17.0	25.0	40.0	34.0	46.0
Co	1.0	(1.0)	-1.0	3.0	20.0	17.0	23.0
Cu	2.0	(8.0)	4.0	12.0	(25.0)	21.0	29.0
Fe	200	[100000]			[100000]		
Pb	1.0	(4.0)	2.0	6.0	25.0	21.3	28.8
Mg	500	[100000]			[100000]		
Mn	1.0	(7.0)	5.0	9.0	27.0	23.0	31.1
Mo		[2000]			[2000]		
Ni	1.0	(6.0)	4.0	8.0	24.0	20.4	27.6
P		[100000]			[100000]		
K	500	[100000]			[100000]		
Se	5.0	(0.3)	-9.7	10.3	(19.0)	9.0	29.0
Ag	1.0	(0)	-2.0	2.0	18.0	15.3	20.7
Na	500	[100000]			[100000]		
S		[100000]			[100000]		
Tl	1.0	(0)	-2.0	2.0	21.0	17.9	24.2
Ti		[2000]			[2000]		
V	5.0	(0.5)	-9.5	10.5	(19.0)	9.0	29.0
Zn	5.0	(11.0)	1.0	21.0	(29.0)	19.0	39.0

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.
The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 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.

QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (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 an 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-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

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 the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, 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*

This interference check sample set is to be used to verify elemental isobaric correction factors of inductively coupled plasma-mass spectrometers (ICP-MS). This reference material set consists of two (2) concentrated solutions. The ICSA solution contains several interferent elements and species; for a complete listing refer to the CLP SOW. 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 the ICP-MS ICS 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-0803, Inferferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution by ICP-MS.

ICSB-0803, Analytes, mixed with ICSA-0803, 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 1% v/v HNO_3. Analyze this ICSAB solution by ICP-MS.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS 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-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803

ICSA: M5873

ICSB: M5874

Element	CRQL	Part A (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)	Part A +Part B (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)
Al	20.0	[100000]			[100000]		
Sb	2.0	(1.5)	-2.5	5.5	(22.0)	18.0	26.0
As	1.0	(0.1)	-1.9	2.1	19.0	16.2	21.9
Ba	10.0	(1.2)	-18.8	21.2	(22.0)	2.0	42.0
Be	1.0	(0)	-2.0	2.0	19.0	16.2	21.9
Cd	1.0	(0.7)	-1.3	2.7	20.0	17.0	23.0
Ca	500	[100000]			[100000]		
C		[200000]			[200000]		
Cl		[1000000]			[1000000]		
Cr	2.0	(21.0)	17.0	25.0	40.0	34.0	46.0
Co	1.0	(1.0)	-1.0	3.0	20.0	17.0	23.0
Cu	2.0	(8.0)	4.0	12.0	(25.0)	21.0	29.0
Fe	200	[100000]			[100000]		
Pb	1.0	(4.0)	2.0	6.0	25.0	21.3	28.8
Mg	500	[100000]			[100000]		
Mn	1.0	(7.0)	5.0	9.0	27.0	23.0	31.1
Mo		[2000]			[2000]		
Ni	1.0	(6.0)	4.0	8.0	24.0	20.4	27.6
P		[100000]			[100000]		
K	500	[100000]			[100000]		
Se	5.0	(0.3)	-9.7	10.3	(19.0)	9.0	29.0
Ag	1.0	(0)	-2.0	2.0	18.0	15.3	20.7
Na	500	[100000]			[100000]		
S		[100000]			[100000]		
Tl	1.0	(0)	-2.0	2.0	21.0	17.9	24.2
Ti		[2000]			[2000]		
V	5.0	(0.5)	-9.5	10.5	(19.0)	9.0	29.0
Zn	5.0	(11.0)	1.0	21.0	(29.0)	19.0	39.0

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.
The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 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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R: 01/03/24 M5802, M5803

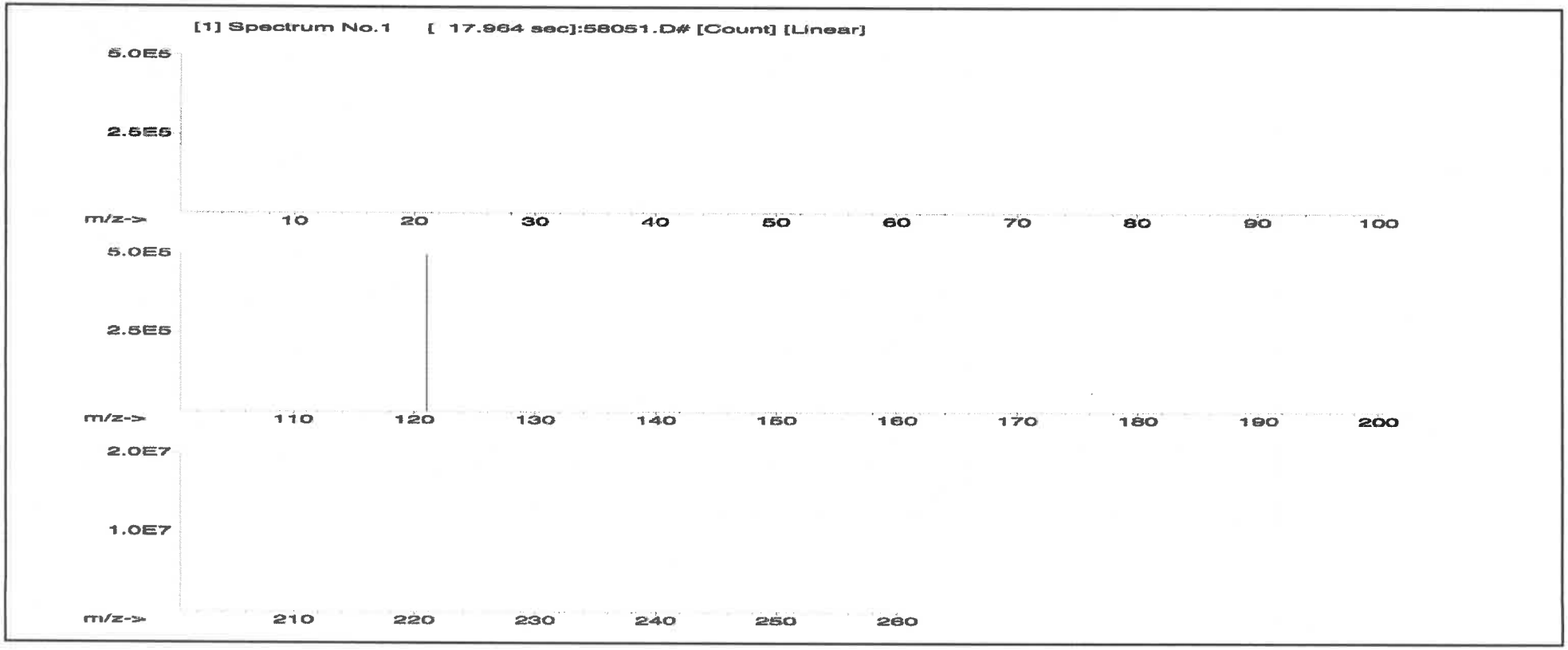
1358

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



13599

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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M6030

R: 8/5/24

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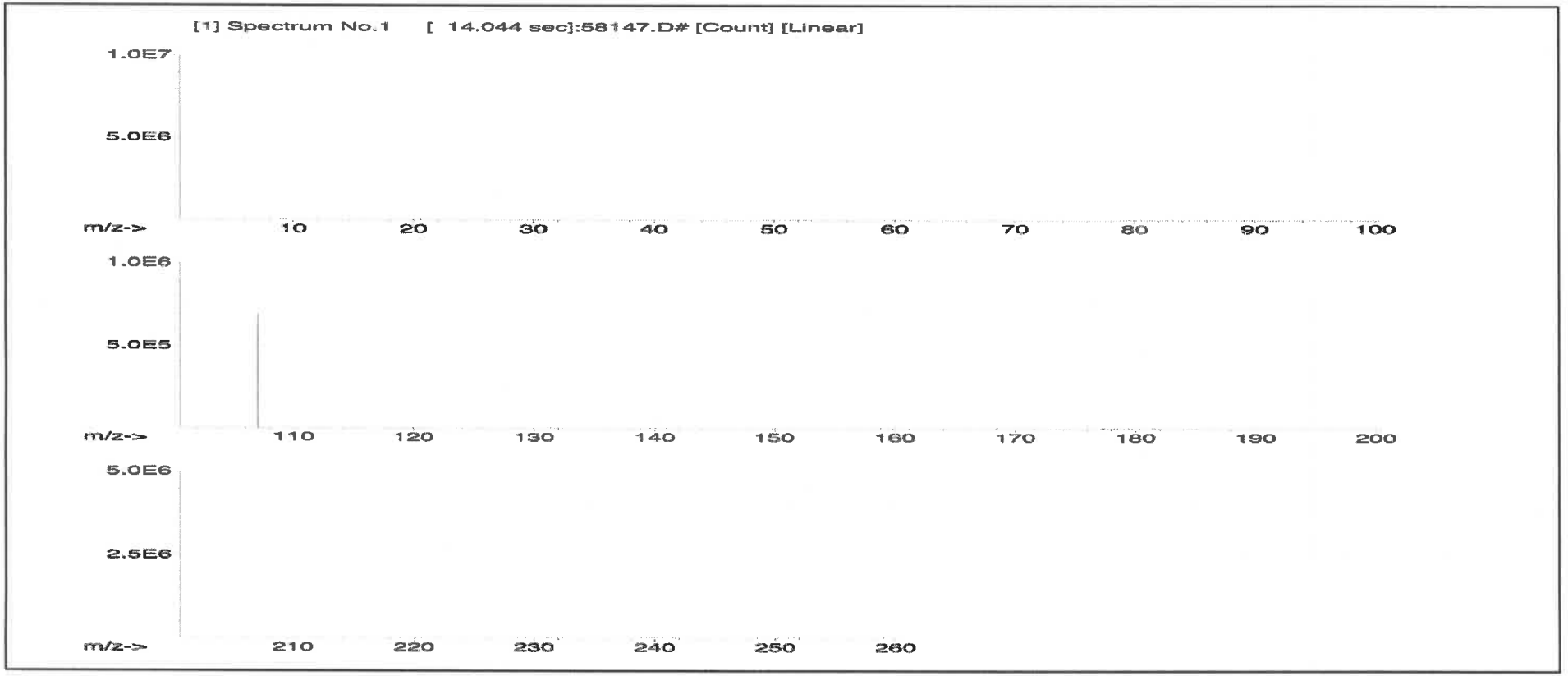
1360

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



1361

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).
* 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: 03/16/23 M5473, M5474, M5475, M5476

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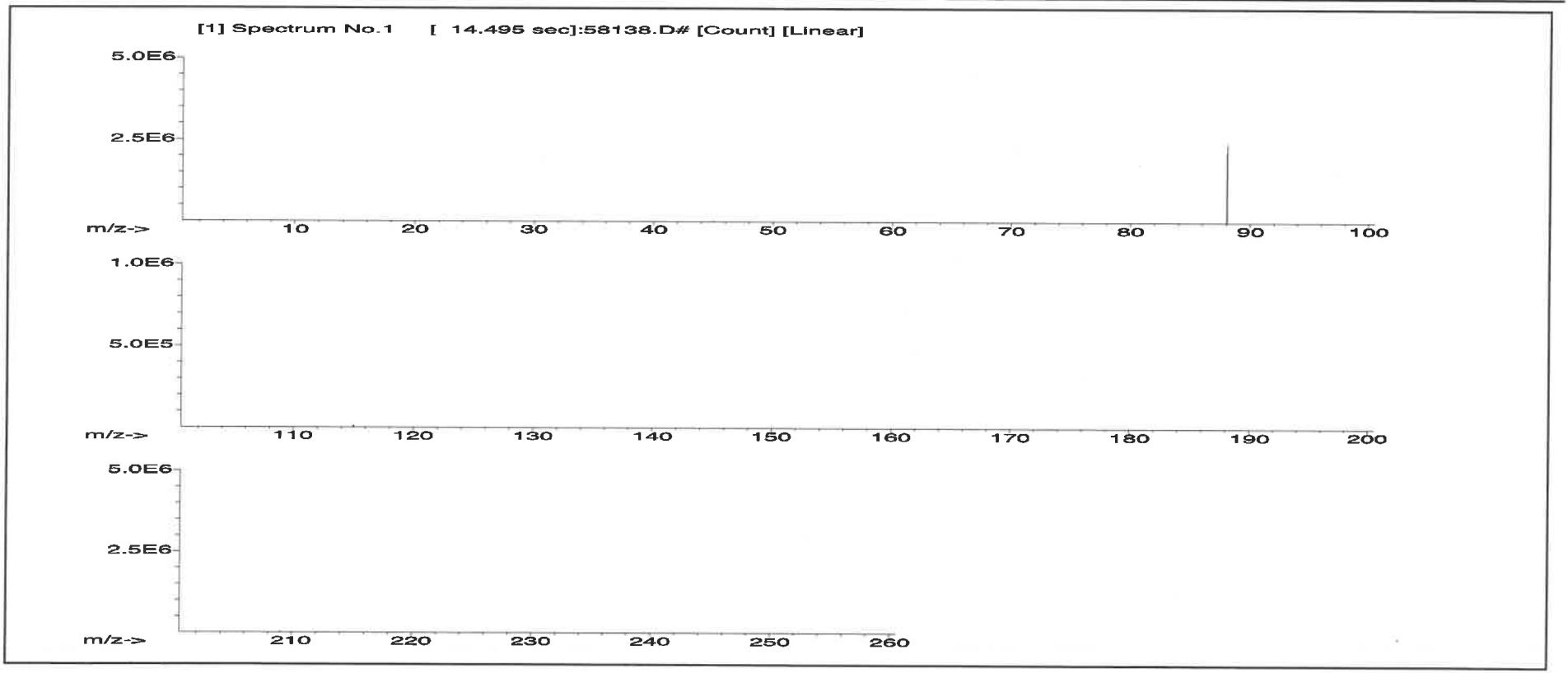
CERTIFIED WEIGHT REPORT:

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



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.

* 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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R: 03/16/23 M5473, M5474, M5475, M5476

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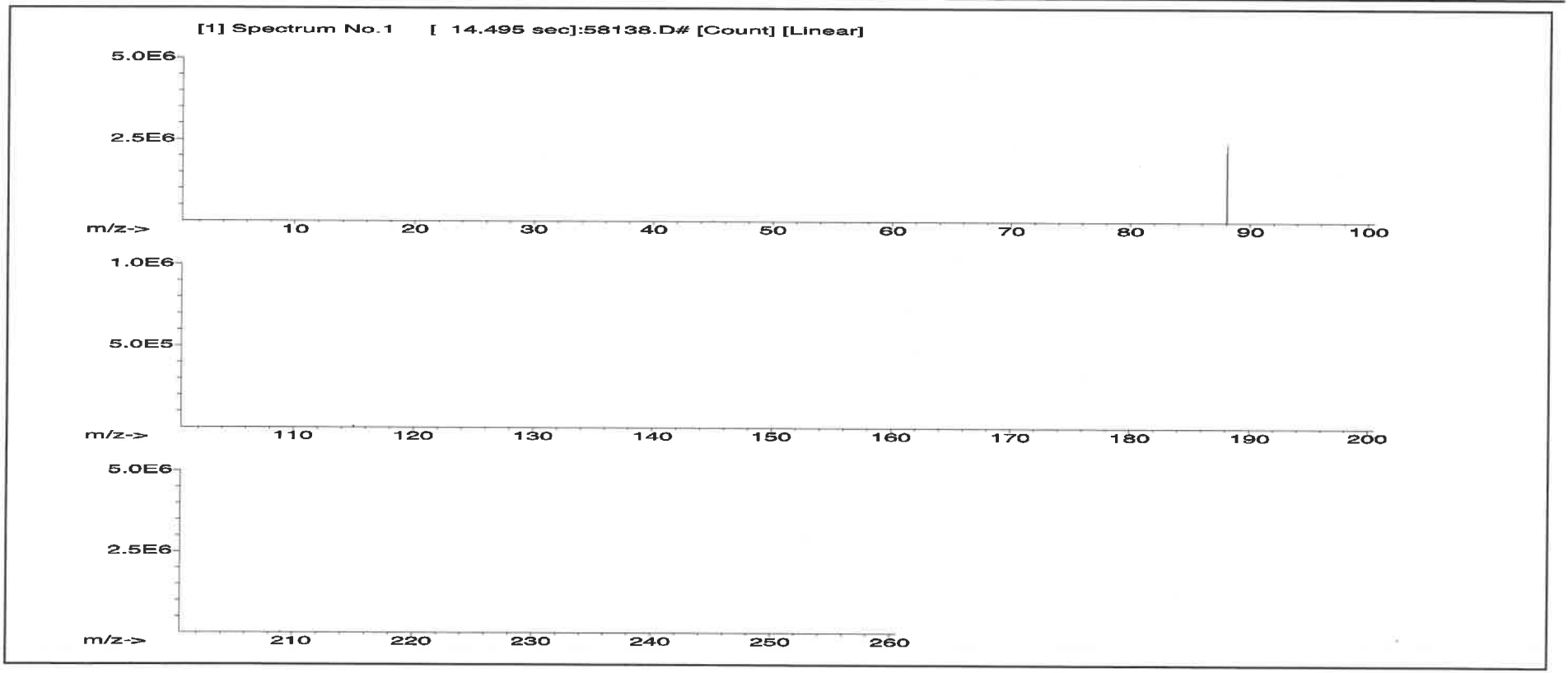
1364

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



1365

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.

* 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

M6023

R ! 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

1366

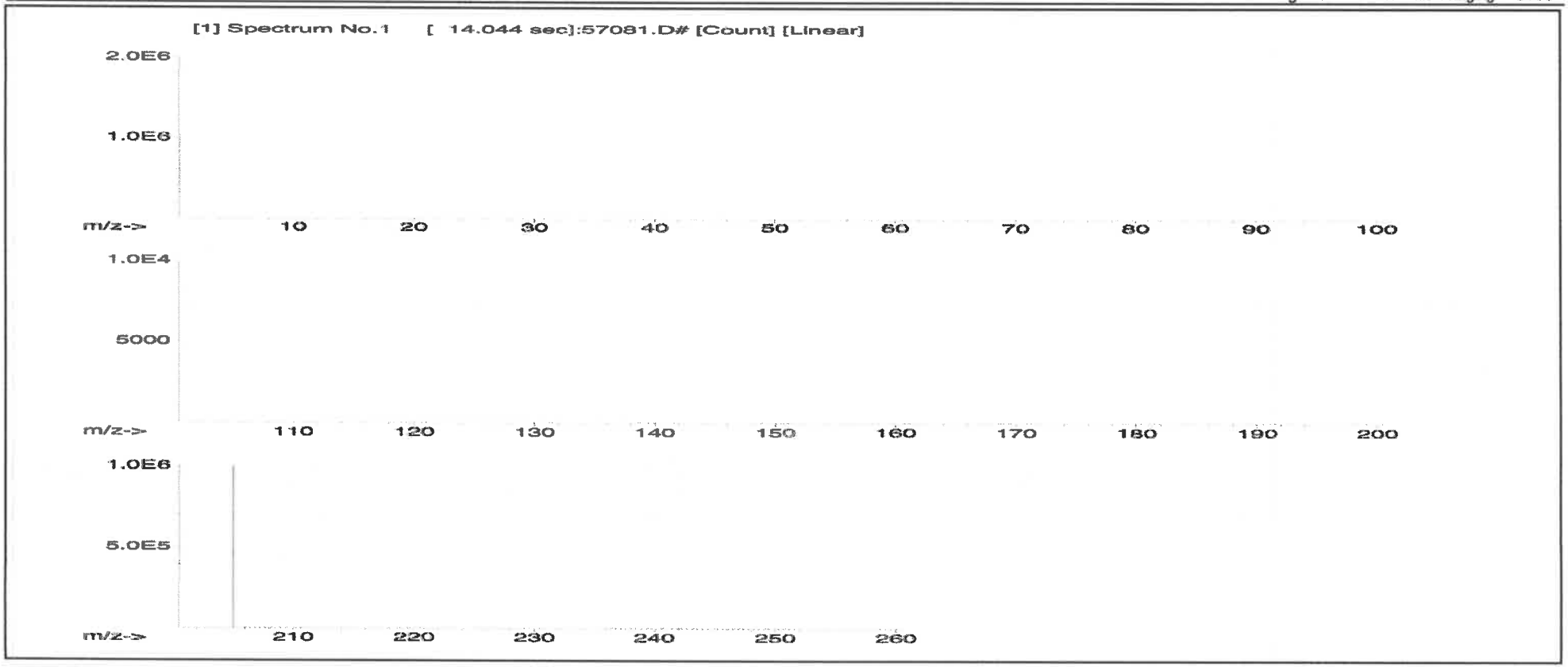
CERTIFIED WEIGHT REPORT:

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



1367

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:

* 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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Certified Reference Material CRM

M6021

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Rc. 8/5/24

1368

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57023**			
Lot Number:	**062424**			
Description:	**Vanadium (V)**	24002546	Nitric Acid	
		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	

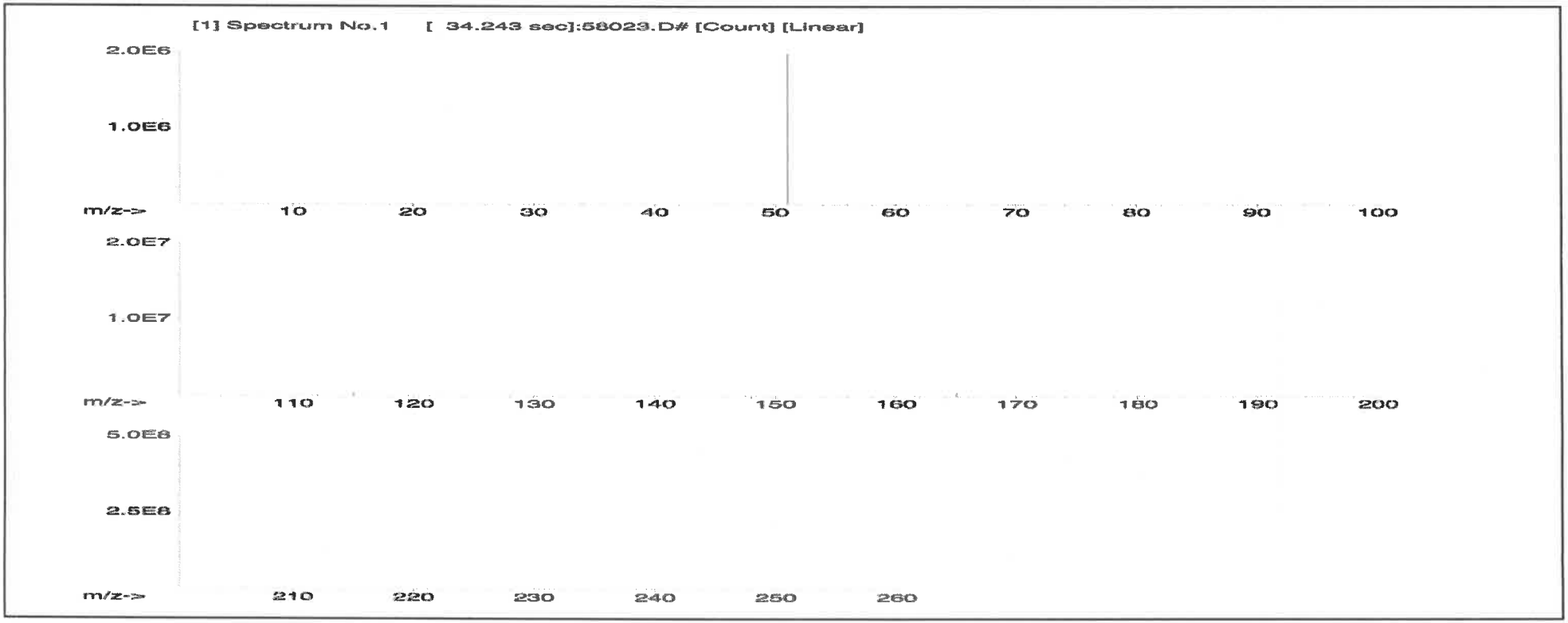
Aleah O'Brady

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



1369

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:

* 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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* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
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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).

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB164345

SOP ID : M3050B-Digestion-20, MSFAM01.1-Metals ICPMS-2

SDG No : MYE450

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: 10/23/2024 **Time :** 10:15 **Temp :** 97 °C

End Digest Date: 10/23/2024 **Time :** 13:15 **Temp :** 97 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #3

Dig Technician Signature: JSP

Supervisor Signature:

Temp : 1. 97°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.00	MP82583
LCSSD	0.50	MP82583
Spike Sol 1	0.3mL,0.3mL,0.027mL	M5565,M5657,M5962
Spike Sol 2	1.5mL,1.5mL,0.135mL	M5565,M5657,M5962
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	10.00	MP81119
1:1 HCL	5.00	MP82127
Conc. HNO3	5.00	M6096
30% H2O2	3.00	M5634
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 #3 Cell #34 Temp : 97 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/23/24 14:00	JSP / Met dig	Metals Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB164345

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P4477-01	MYE450	N/A	1.30	500	Brown	Yellow	Medium	N/A	N/A	1
P4477-02	MYE451	N/A	1.38	500	Brown	Yellow	Medium	N/A	N/A	2
P4477-03	MYE452	N/A	1.18	500	Brown	Yellow	Medium	N/A	N/A	3
P4477-04	MYE453	N/A	1.42	500	Brown	Yellow	Medium	N/A	N/A	4
P4477-04MS	MYE453MS~~RE~~ 10/23/24 JSP	N/A	1.22	500	Brown	Yellow	Medium	N/A	M5565,M5657,M5962	5
~~P4477-04MSD~~	~~MYE453MSD~~ 10/23/24	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	N/A
P4477-05	MYE453D	N/A	1.47	500	Brown	Yellow	Medium	N/A	N/A	6
P4477-06	MYE453S	N/A	1.43	500	Brown	Yellow	Medium	N/A	M5565,M5657,M5962	7
P4477-07	MYE454	N/A	1.29	500	Brown	Yellow	Medium	N/A	N/A	8
P4477-08	MYE455	N/A	1.24	500	Brown	Yellow	Medium	N/A	N/A	9
P4477-09	MYE456	N/A	1.07	500	Brown	Yellow	Medium	N/A	N/A	10
P4477-10	MYE457	N/A	1.42	500	Brown	Yellow	Medium	N/A	N/A	11
P4477-11	MYE458	N/A	1.34	500	Brown	Yellow	Medium	N/A	N/A	12
P4477-12	MYE459	N/A	1.42	500	Brown	Yellow	Medium	N/A	N/A	13
P4477-13	MYE460	N/A	1.19	500	Brown	Yellow	Medium	N/A	N/A	14
P4477-14	MYE461	N/A	1.11	500	Brown	Yellow	Medium	N/A	N/A	15
P4477-15	MYE462	N/A	1.48	500	Brown	Yellow	Medium	N/A	N/A	16
P4477-16	MYE463	N/A	1.22	500	Brown	Yellow	Medium	N/A	N/A	17
P4477-17	MYE464	N/A	1.17	500	Brown	Yellow	Medium	N/A	N/A	18
P4477-18	MYE465	N/A	1.21	500	Brown	Yellow	Medium	N/A	N/A	19
P4477-19	MYE466	N/A	1.25	500	Brown	Yellow	Medium	N/A	N/A	20
P4477-20	MYE467	N/A	1.12	500	Brown	Yellow	Medium	N/A	N/A	21
P4477-21	MYE468	N/A	1.39	500	Brown	Yellow	Medium	N/A	N/A	22
P4477-22	MYE469	N/A	1.33	500	Brown	Yellow	Medium	N/A	N/A	23
PB164345BL	PBS345	N/A	1.00	500	Colorless	Colorless	Fine	N/A	N/A	24
PB164345BS	LCS345	N/A	1.00	500	Colorless	Colorless	Fine	N/A	MP82583	25
PB164345BSD	LCSD345	N/A	1.00	500	Colorless	Colorless	Fine	N/A	MP82583	26

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB133210

Review By	Sarabjit Jaswal	Review On	10/30/2024 3:40:25 PM
Supervise By	Mohan Bera	Supervise On	10/30/2024 3:42:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569
ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE007	TUNE	10/30/24 11:23		Jaswal	OK
2	S00	S0	CAL1	10/30/24 12:18		Jaswal	OK
3	S02	S02	CAL3	10/30/24 12:25		Jaswal	OK
4	S03	S03	CAL4	10/30/24 12:28		Jaswal	OK
5	S04	S04	CAL5	10/30/24 12:31		Jaswal	OK
6	S05	S05	CAL6	10/30/24 12:34		Jaswal	OK
7	S06	S06	CAL7	10/30/24 12:37		Jaswal	OK
8	S07	S07	CAL8	10/30/24 12:40		Jaswal	OK
9	S08	S08	CAL9	10/30/24 12:43		Jaswal	OK
10	ICV007	ICV007	ICV	10/30/24 12:59	Inst. paused for calibration review	Jaswal	OK
11	ICB007	ICB007	ICB	10/30/24 13:04		Jaswal	OK
12	ICSA007	ICSA007	ICSA	10/30/24 13:07		Jaswal	OK
13	ICSAB007	ICSAB007	ICSAB	10/30/24 13:10		Jaswal	OK
14	CCV035	CCV035	CCV	10/30/24 13:13		Jaswal	OK
15	CCB035	CCB035	CCB	10/30/24 13:16		Jaswal	OK
16	PB164277BL	PBS277	MB	10/30/24 13:19		Jaswal	OK
17	PB164277BS	LCS277	LCS	10/30/24 13:23		Jaswal	OK
18	PB164277BSD	LCSD277	LCSD	10/30/24 13:26		Jaswal	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB133210

Review By	Sarabjit Jaswal	Review On	10/30/2024 3:40:25 PM
Supervise By	Mohan Bera	Supervise On	10/30/2024 3:42:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569
ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

19	P4331-04DL	MYDBB7	SAM	10/30/24 13:29	4X For Ba,Co,Ni,V	Jaswal	Confirms
20	P4331-05DL	MYDBB7D	DUP	10/30/24 13:33	4X For Ba,Co,Ni,V	Jaswal	Confirms
21	P4331-04LDL	MYDBB7L	SD	10/30/24 13:36	4X For Ba,Co,Ni,V	Jaswal	Confirms
22	P4331-06REDL	MYDBB7S	MS	10/30/24 13:39	Not use	Jaswal	Not Ok
23	P4331-04REMSDL	MYDBB7SRE	MS	10/30/24 13:42	Not use	Jaswal	Not Ok
24	P4331-06DL	MYDBB7S	MS	10/30/24 13:48	4X For Ba,Co,Ni,V	Jaswal	Confirms
25	P4331-04MSDL	MYDBB7SRE	MS	10/30/24 13:51	4X For Ba,Co,Ni,V	Jaswal	Confirms
26	P4331-04A	MYDBB7ARE	PS	10/30/24 13:54	PS for Ag-0.082ml(MP82908)-10 ml	Jaswal	OK
27	CCV036	CCV036	CCV	10/30/24 13:57		Jaswal	OK
28	CCB036	CCB036	CCB	10/30/24 14:00		Jaswal	OK
29	PB164345BL	PBS345	MB	10/30/24 14:05		Jaswal	OK
30	PB164345BSD	LCSD345	LCSD	10/30/24 14:12		Jaswal	OK
31	PB164349BL	PBS349	MB	10/30/24 14:15		Jaswal	OK
32	PB164349BS	LCS349	LCS	10/30/24 14:24		Jaswal	OK
33	PB164349BSD	LCSD349	LCSD	10/30/24 14:28		Jaswal	OK
34	PB164427BL	PBS427	MB	10/30/24 14:31		Jaswal	OK
35	PB164427BS	LCS427	LCS	10/30/24 14:34		Jaswal	OK
36	PB164427BSD	LCSD427	LCSD	10/30/24 14:37		Jaswal	OK
37	PB164345BS	LCS345	LCS	10/30/24 14:41		Jaswal	OK

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Fax : 908 789 8922

Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB133210

Review By	Sarabjit Jaswal	Review On	10/30/2024 3:40:25 PM
Supervise By	Mohan Bera	Supervise On	10/30/2024 3:42:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569
ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

38	P4477-04	MYE453	SAM	10/30/24 14:44	Ba,Co,Ni,V High in MS RE	Jaswal	Dilution
39	P4477-05	MYE453D	DUP	10/30/24 14:47	Ba,Co,Ni,V High in MS RE	Jaswal	Dilution
40	P4477-04L	MYE453L	SD	10/30/24 14:50	Ba,Co,Ni,V High in MS RE	Jaswal	Dilution
41	P4477-06	MYE453S	MS	10/30/24 14:54	Ba,Co,Ni,V High in MS RE	Jaswal	Dilution
42	P4477-04MS	MYE453SRE	MS	10/30/24 14:57	MS Fail for Ag, Ba,Co,Ni,V High	Jaswal	Dilution
43	P4479-12	MYE481	SAM	10/30/24 15:00	Ba,Co,Ni,V High in MS RE	Jaswal	Dilution
44	P4479-13	MYE481D	DUP	10/30/24 15:03	Ba,Co,Ni,V High in MS RE	Jaswal	Dilution
45	P4479-12L	MYE481L	SD	10/30/24 15:06	Ba,Co,Ni,V High in MS RE	Jaswal	Dilution
46	P4479-14	MYE481S	MS	10/30/24 15:09	Ba,Co,Ni,V High in MS RE	Jaswal	Dilution
47	P4479-12MS	MYE481SRE	MS	10/30/24 15:12	MS Fail for Ag(Below RL),Ba,Co,Ni,V High	Jaswal	Dilution
48	P4480-05	MYE494	SAM	10/30/24 15:15	Ba,Co,Ni,V High in MS RE	Jaswal	Dilution
49	P4480-06	MYE494D	DUP	10/30/24 15:19	Ba,Co,Ni,V High in MS RE	Jaswal	Dilution
50	P4480-05L	MYE494L	SD	10/30/24 15:22	Ba,Co,Ni,V High in MS RE	Jaswal	Dilution
51	P4480-07	MYE494S	MS	10/30/24 15:25	Ba,Co,Ni,V High in MS RE	Jaswal	Dilution
52	CCV037	CCV037	CCV	10/30/24 15:28		Jaswal	OK
53	CCB037	CCB037	CCB	10/30/24 15:31		Jaswal	OK
54	P4480-05MS	MYE494SRE	MS	10/30/24 15:34	MS Fail for Ag(Below RL),MS Fail for Ag, Ba,Co,Ni,V High	Jaswal	Dilution
55	P4477-01	MYE450	SAM	10/30/24 15:37		Jaswal	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB133210

Review By	Sarabjit Jaswal	Review On	10/30/2024 3:40:25 PM
Supervise By	Mohan Bera	Supervise On	10/30/2024 3:42:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569
ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

56	P4477-02	MYE451	SAM	10/30/24 15:41		Jaswal	OK
57	P4477-03	MYE452	SAM	10/30/24 15:44		Jaswal	OK
58	P4477-07	MYE454	SAM	10/30/24 15:47		Jaswal	OK
59	P4477-08	MYE455	SAM	10/30/24 15:50		Jaswal	OK
60	P4477-09	MYE456	SAM	10/30/24 15:53		Jaswal	OK
61	P4477-10	MYE457	SAM	10/30/24 15:56		Jaswal	OK
62	P4477-11	MYE458	SAM	10/30/24 16:00		Jaswal	OK
63	P4477-12	MYE459	SAM	10/30/24 16:03		Jaswal	OK
64	P4477-13	MYE460	SAM	10/30/24 16:06		Jaswal	OK
65	P4477-14	MYE461	SAM	10/30/24 16:09		Jaswal	OK
66	P4477-15	MYE462	SAM	10/30/24 16:12		Jaswal	OK
67	P4477-16	MYE463	SAM	10/30/24 16:15		Jaswal	OK
68	P4477-17	MYE464	SAM	10/30/24 16:19		Jaswal	OK
69	P4477-18	MYE465	SAM	10/30/24 16:22		Jaswal	OK
70	P4477-19	MYE466	SAM	10/30/24 16:25		Jaswal	OK
71	P4477-20	MYE467	SAM	10/30/24 16:28		Jaswal	OK
72	P4477-21	MYE468	SAM	10/30/24 16:31		Jaswal	OK
73	P4477-22	MYE469	SAM	10/30/24 16:34		Jaswal	OK
74	P4479-01	MYE470	SAM	10/30/24 16:38		Jaswal	OK
75	P4479-02	MYE471	SAM	10/30/24 16:41		Jaswal	OK

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CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

76	P4479-03	MYE472	SAM	10/30/24 16:44		Jaswal	OK
77	P4479-04	MYE473	SAM	10/30/24 16:47		Jaswal	OK
78	P4479-05	MYE474	SAM	10/30/24 16:50		Jaswal	OK
79	P4479-06	MYE475	SAM	10/30/24 16:53		Jaswal	OK
80	CCV038	CCV038	CCV	10/30/24 16:57		Jaswal	OK
81	CCB038	CCB038	CCB	10/30/24 16:59		Jaswal	OK
82	P4479-07	MYE476	SAM	10/30/24 17:03		Jaswal	OK
83	P4479-08	MYE477	SAM	10/30/24 17:06		Jaswal	OK
84	P4479-09	MYE478	SAM	10/30/24 17:09		Jaswal	OK
85	P4479-10	MYE479	SAM	10/30/24 17:12		Jaswal	OK
86	P4479-11	MYE480	SAM	10/30/24 17:15		Jaswal	OK
87	P4479-15	MYE482	SAM	10/30/24 17:19		Jaswal	OK
88	P4479-16	MYE483	SAM	10/30/24 17:22		Jaswal	OK
89	P4479-17	MYE484	SAM	10/30/24 17:25		Jaswal	OK
90	P4479-18	MYE485	SAM	10/30/24 17:28		Jaswal	OK
91	P4479-19	MYE486	SAM	10/30/24 17:31		Jaswal	OK
92	P4479-20	MYE487	SAM	10/30/24 17:34		Jaswal	OK
93	P4479-21	MYE488	SAM	10/30/24 17:38		Jaswal	OK
94	P4479-22	MYE489	SAM	10/30/24 17:41		Jaswal	OK
95	P4480-01	MYE490	SAM	10/30/24 17:44		Jaswal	OK

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ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

96	P4480-02	MYE491	SAM	10/30/24 17:47		Jaswal	OK
97	P4480-03	MYE492	SAM	10/30/24 17:50		Jaswal	OK
98	P4480-04	MYE493	SAM	10/30/24 17:53		Jaswal	OK
99	P4480-08	MYE495	SAM	10/30/24 17:56		Jaswal	OK
100	P4480-09	MYE496	SAM	10/30/24 18:00		Jaswal	OK
101	P4480-10	MYE497	SAM	10/30/24 18:03		Jaswal	OK
102	P4480-11	MYE498	SAM	10/30/24 18:06		Jaswal	OK
103	P4480-12	MYE499	SAM	10/30/24 18:09		Jaswal	OK
104	P4480-13	MYE4A0	SAM	10/30/24 18:12		Jaswal	OK
105	P4480-14	MYE4A1	SAM	10/30/24 18:16		Jaswal	OK
106	P4480-15	MYE4A2	SAM	10/30/24 18:19		Jaswal	OK
107	P4480-16	MYE4A3	SAM	10/30/24 18:22		Jaswal	OK
108	CCV039	CCV039	CCV	10/30/24 18:25		Jaswal	OK
109	CCB039	CCB039	CCB	10/30/24 18:28		Jaswal	OK
110	P4480-17	MYE4A4	SAM	10/30/24 18:31		Jaswal	OK
111	P4480-18	MYE4A5	SAM	10/30/24 18:34		Jaswal	OK
112	P4480-19	MYE4A6	SAM	10/30/24 18:37		Jaswal	OK
113	P4480-20	MYE4A7	SAM	10/30/24 18:41		Jaswal	OK
114	P4480-21	MYE4A8	SAM	10/30/24 18:44		Jaswal	OK
115	P4480-22	MYE4A9	SAM	10/30/24 18:47		Jaswal	OK

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CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

116	P4477-04DL	MYE453	SAM	10/30/24 18:50	4X For Ba,Co,Ni,V High	Jaswal	Confirms
117	P4477-05DL	MYE453D	DUP	10/30/24 18:53	4X For Ba,Co,Ni,V High	Jaswal	Confirms
118	P4477-04LDL	MYE453L	SD	10/30/24 18:56	20X For Ba,Co,Ni,V High	Jaswal	Confirms
119	P4477-06DL	MYE453S	MS	10/30/24 19:00	4X For Ba,Co,Ni,V High	Jaswal	Confirms
120	P4477-04MSDL	MYE453SRE	MS	10/30/24 19:03	4X For Ba,Co,Ni,V High	Jaswal	Confirms
121	P4479-12DL	MYE481	SAM	10/30/24 19:06	4X For Ba,Co,Ni,V High	Jaswal	Confirms
122	P4479-13DL	MYE481D	DUP	10/30/24 19:09	4X For Ba,Co,Ni,V High	Jaswal	Confirms
123	P4479-12LDL	MYE481L	SD	10/30/24 19:13	20X For Ba,Co,Ni,V High	Jaswal	Confirms
124	P4479-14DL	MYE481S	MS	10/30/24 19:16	4X For Ba,Co,Ni,V High	Jaswal	Confirms
125	P4479-12MSDL	MYE481SRE	MS	10/30/24 19:19	4X For Ba,Co,Ni,V High	Jaswal	Confirms
126	P4480-05DL	MYE494	SAM	10/30/24 19:22	4X For Ba,Co,Ni,V High	Jaswal	Confirms
127	P4480-06DL	MYE494D	DUP	10/30/24 19:25	4X For Ba,Co,Ni,V High	Jaswal	Confirms
128	P4480-05LDL	MYE494L	SD	10/30/24 19:29	20X For Ba,Co,Ni,V High	Jaswal	Confirms
129	P4480-07DL	MYE494S	MS	10/30/24 19:32	4X For Ba,Co,Ni,V High	Jaswal	Confirms
130	P4480-05MSDL	MYE494SRE	MS	10/30/24 19:35	4X For Ba,Co,Ni,V High	Jaswal	Confirms
131	P4477-04A	MYE453ARE	PS	10/30/24 19:38	PS For AG(0.02ML MP82908-10ML SAMPLE)	Jaswal	OK
132	P4479-12A	MYE481ARE	PS	10/30/24 19:41	PS For AG(0.02ML MP82908-10ML SAMPLE)	Jaswal	OK
133	P4480-05A	MYE494ARE	PS	10/30/24 19:45	PS For AG(0.02ML MP82908-10ML SAMPLE)	Jaswal	OK
134	PB164430BL	PBS430	MB	10/30/24 19:54		Jaswal	OK

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ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

135	PB164430BS	LCS430	LCS	10/30/24 19:57		Jaswal	OK
136	CCV040	CCV040	CCV	10/30/24 20:01		Jaswal	OK
137	CCB040	CCB040	CCB	10/30/24 20:03		Jaswal	OK
138	PB164430BSD	LCSD430	LCSD	10/30/24 20:07		Jaswal	OK
139	PB164440BL	PBS440	MB	10/30/24 20:10		Jaswal	OK
140	PB164440BS	LCS440	LCS	10/30/24 20:13		Jaswal	OK
141	PB164440BSD	LCSD440	LCSD	10/30/24 20:17		Jaswal	OK
142	P4481-12	MYE4C1	SAM	10/30/24 20:20	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
143	P4481-13	MYE4C1D	DUP	10/30/24 20:23	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
144	P4481-12L	MYE4C1L	SD	10/30/24 20:26	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
145	P4481-14	MYE4C1S	MS	10/30/24 20:29	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
146	P4481-12MS	MYE4C1SRE	MS	10/30/24 20:33	Ba,Co,Ni,V High	Jaswal	Dilution
147	P4482-14	MYE4E3	SAM	10/30/24 20:36	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
148	P4482-15	MYE4E3D	DUP	10/30/24 20:39	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
149	P4482-14L	MYE4E3L	SD	10/30/24 20:42	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
150	P4482-16	MYE4E3S	MS	10/30/24 20:45	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
151	P4482-14MS	MYE4E3SRE	MS	10/30/24 20:48	Ba,Co,Ni,V High	Jaswal	Dilution
152	P4483-20	MYE4G9	SAM	10/30/24 20:51	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
153	P4483-21	MYE4G9D	DUP	10/30/24 20:55	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
154	P4483-20L	MYE4G9L	SD	10/30/24 20:58	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution

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ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

155	P4483-22	MYE4G9S	MS	10/30/24 21:01	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
156	P4483-20MS	MYE4G9SRE	MS	10/30/24 21:04	MS Fail for Pb,Ag(Below rl),Ba,Co,Ni,V High	Jaswal	Dilution
157	PB164442BL	PBS442	MB	10/30/24 21:07		Jaswal	OK
158	PB164442BS	LCS442	LCS	10/30/24 21:10		Jaswal	OK
159	PB164442BSD	LCSD442	LCSD	10/30/24 21:14		Jaswal	OK
160	P4481-01	MYE4B0	SAM	10/30/24 21:17		Jaswal	OK
161	P4481-02	MYE4B1	SAM	10/30/24 21:20		Jaswal	OK
162	P4481-03	MYE4B2	SAM	10/30/24 21:23		Jaswal	OK
163	P4481-04	MYE4B3	SAM	10/30/24 21:27		Jaswal	OK
164	CCV041	CCV041	CCV	10/30/24 21:30		Jaswal	OK
165	CCB041	CCB041	CCB	10/30/24 21:33		Jaswal	OK
166	P4481-05	MYE4B4	SAM	10/30/24 21:36		Jaswal	OK
167	P4481-06	MYE4B5	SAM	10/30/24 21:39		Jaswal	OK
168	P4481-07	MYE4B6	SAM	10/30/24 21:42		Jaswal	OK
169	P4481-08	MYE4B7	SAM	10/30/24 21:45		Jaswal	OK
170	P4481-09	MYE4B8	SAM	10/30/24 21:49		Jaswal	OK
171	P4481-10	MYE4B9	SAM	10/30/24 21:52		Jaswal	OK
172	P4481-11	MYE4C0	SAM	10/30/24 21:55		Jaswal	OK
173	P4481-15	MYE4C2	SAM	10/30/24 21:58		Jaswal	OK

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174	P4481-16	MYE4C3	SAM	10/30/24 22:01		Jaswal	OK
175	P4481-17	MYE4C4	SAM	10/30/24 22:05		Jaswal	OK
176	P4481-18	MYE4C5	SAM	10/30/24 22:08		Jaswal	OK
177	P4481-19	MYE4C6	SAM	10/30/24 22:11		Jaswal	OK
178	P4481-20	MYE4C7	SAM	10/30/24 22:14		Jaswal	OK
179	P4481-21	MYE4C8	SAM	10/30/24 22:17		Jaswal	OK
180	P4481-22	MYE4C9	SAM	10/30/24 22:21		Jaswal	OK
181	P4482-01	MYE4D0	SAM	10/30/24 22:24		Jaswal	OK
182	P4482-02	MYE4D1	SAM	10/30/24 22:27		Jaswal	OK
183	P4482-03	MYE4D2	SAM	10/30/24 22:30		Jaswal	OK
184	P4482-04	MYE4D3	SAM	10/30/24 22:33		Jaswal	OK
185	P4482-05	MYE4D4	SAM	10/30/24 22:36		Jaswal	OK
186	P4482-06	MYE4D5	SAM	10/30/24 22:40		Jaswal	OK
187	P4482-07	MYE4D6	SAM	10/30/24 22:43		Jaswal	OK
188	P4482-08	MYE4D7	SAM	10/30/24 22:46		Jaswal	OK
189	P4482-09	MYE4D8	SAM	10/30/24 22:50		Jaswal	OK
190	P4482-10	MYE4D9	SAM	10/30/24 22:53		Jaswal	OK
191	P4482-11	MYE4E0	SAM	10/30/24 22:57		Jaswal	OK
192	CCV042	CCV042	CCV	10/30/24 23:00		Jaswal	OK
193	CCB042	CCB042	CCB	10/30/24 23:03		Jaswal	OK

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194	P4482-12	MYE4E1	SAM	10/30/24 23:06		Jaswal	OK
195	P4482-13	MYE4E2	SAM	10/30/24 23:09		Jaswal	OK
196	P4482-17	MYE4E4	SAM	10/30/24 23:12		Jaswal	OK
197	P4482-18	MYE4E5	SAM	10/30/24 23:15		Jaswal	OK
198	P4482-19	MYE4E6	SAM	10/30/24 23:19		Jaswal	OK
199	P4482-20	MYE4E7	SAM	10/30/24 23:22		Jaswal	OK
200	P4482-21	MYE4E8	SAM	10/30/24 23:25		Jaswal	OK
201	P4482-22	MYE4E9	SAM	10/30/24 23:28		Jaswal	OK
202	P4483-01	MYE4F0	SAM	10/30/24 23:31		Jaswal	OK
203	P4483-02	MYE4F1	SAM	10/30/24 23:35		Jaswal	OK
204	P4483-03	MYE4F2	SAM	10/30/24 23:38		Jaswal	OK
205	P4483-04	MYE4F3	SAM	10/30/24 23:41		Jaswal	OK
206	P4483-05	MYE4F4	SAM	10/30/24 23:44		Jaswal	OK
207	P4483-06	MYE4F5	SAM	10/30/24 23:47		Jaswal	OK
208	P4483-07	MYE4F6	SAM	10/30/24 23:50		Jaswal	OK
209	P4483-08	MYE4F7	SAM	10/30/24 23:54		Jaswal	OK
210	P4483-09	MYE4F8	SAM	10/30/24 23:57		Jaswal	OK
211	P4483-10	MYE4F9	SAM	10/31/24		Jaswal	OK
212	P4483-11	MYE4G0	SAM	10/31/24 00:03		Jaswal	OK
213	ICSA008	ICSA008	ICSA	10/31/24 00:06		Jaswal	OK

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214	ICSAB008	ICSAB008	ICSAB	10/31/24 00:10		Jaswal	OK
215	CCV043	CCV043	CCV	10/31/24 00:13		Jaswal	OK
216	CCB043	CCB043	CCB	10/31/24 00:16		Jaswal	OK
217	P4483-12	MYE4G1	SAM	10/31/24 00:19		Jaswal	OK
218	P4483-13	MYE4G2	SAM	10/31/24 00:22		Jaswal	OK
219	P4483-14	MYE4G3	SAM	10/31/24 00:25		Jaswal	OK
220	P4483-15	MYE4G4	SAM	10/31/24 00:28		Jaswal	OK
221	P4483-16	MYE4G5	SAM	10/31/24 00:32		Jaswal	OK
222	P4483-17	MYE4G6	SAM	10/31/24 00:35		Jaswal	OK
223	P4483-18	MYE4G7	SAM	10/31/24 00:38		Jaswal	OK
224	P4483-19	MYE4G8	SAM	10/31/24 00:41		Jaswal	OK
225	P4481-12DL	MYE4C1	SAM	10/31/24 00:44	4X For Ba,Co,Ni,V	Jaswal	Confirms
226	P4481-13DL	MYE4C1D	DUP	10/31/24 00:48	4X For Ba,Co,Ni,V	Jaswal	Confirms
227	P4481-12LDL	MYE4C1L	SD	10/31/24 00:51	20X For Ba,Co,Ni,V	Jaswal	Confirms
228	P4481-14DL	MYE4C1S	MS	10/31/24 00:54	4X For Ba,Co,Ni,V	Jaswal	Confirms
229	P4481-12MSDL	MYE4C1SRE	MS	10/31/24 00:57	4X For Ba,Co,Ni,V	Jaswal	Confirms
230	P4482-14DL	MYE4E3	SAM	10/31/24 01:01	4X For Ba,Co,Ni,V	Jaswal	Confirms
231	P4482-15DL	MYE4E3D	DUP	10/31/24 01:04	4X For Ba,Co,Ni,V	Jaswal	Confirms
232	P4482-14LDL	MYE4E3L	SD	10/31/24 01:07	20X For Ba,Co,Ni,V	Jaswal	Confirms
233	P4482-16DL	MYE4E3S	MS	10/31/24 01:10	4X For Ba,Co,Ni,V	Jaswal	Confirms

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB133210

Review By	Sarabjit Jaswal	Review On	10/30/2024 3:40:25 PM
Supervise By	Mohan Bera	Supervise On	10/30/2024 3:42:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569
ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

234	P4482-14MSDL	MYE4E3SRE	MS	10/31/24 01:14	4X For Ba,Co,Ni,V	Jaswal	Confirms
235	P4483-20DL	MYE4G9	SAM	10/31/24 01:17	4X For Ba,Co,Ni,V	Jaswal	Confirms
236	P4483-21DL	MYE4G9D	DUP	10/31/24 01:20	4X For Ba,Co,Ni,V	Jaswal	Confirms
237	P4483-20LDL	MYE4G9L	SD	10/31/24 01:24	20X For Ba,Co,Ni,V	Jaswal	Confirms
238	P4483-22DL	MYE4G9S	MS	10/31/24 01:27	4X For Ba,Co,Ni,V	Jaswal	Confirms
239	P4483-20MSDL	MYE4G9SRE	MS	10/31/24 01:30	4X For Ba,Co,Ni,V	Jaswal	Confirms
240	P4481-12A	MYE4C1ARE	PS	10/31/24 01:33	Not Required	Jaswal	Not Ok
241	P4482-14A	MYE4E3ARE	PS	10/31/24 01:37	PS For AG(0.02ML MP82908-10ML SAMPLE)	Jaswal	OK
242	P4483-20A	MYE4G9ARE	PS	10/31/24 01:40	PS For AG(0.02ML MP82908-10ML SAMPLE), Pb(0.0076ML mp82593-10ml sample)	Jaswal	OK
243	CCV044	CCV044	CCV	10/31/24 01:49		Jaswal	OK
244	CCB044	CCB044	CCB	10/31/24 01:52		Jaswal	OK

ORIGIN ID:CVOA (510) 412-2389
SAMPLE CUSTODIAN
EPA R9
200 SW 35TH STREET
CORVALLIS, OR 97333
UNITED STATES US

SHIP DATE: 21OCT24
ACTWGT: 60.00 LB
CAD: 110555859/INET4760
DIMS: 25x14x15 IN
BILL SENDER

TO **SOHIL JODHANI**
ALLIANCE TECHNICAL GROUP LLC
284 SHEFFIELD ST
MOUNTAINSIDE NJ 07092
(908) 728-3152
INV:
PO:
REF: W3150.1.043.09MX.A.KOP551.0700
DEPT:

58CJ4/7DE3/C8C4

J244024091001uv

10/22/24 ORIG 17.9°C

TUE - 22 OCT 10:30A
PRIORITY OVERNIGHT

TRK# 0201 **7793 0484 2737**
MASTER

XE KBCA

NJ-US EWR 07092

1 of 3

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Alliance TECHNICAL GROUP 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Login Summary Report

Order ID :	P4477	Order Date :	10/22/2024 10:03:00 AM	Project Mgr :	Deepak
Client :	USEPA CLP SMO	Project :	51817	Report Type :	USEPA CLP
Contact :	Anita Kapadia	Receive Date :	10/22/2024 10:03:00 AM	EDD Type :	EPA CLP
Date Sign Off :	10/22/2024 3:07:20 PM				

Sample ID	Client ID	Matrix	Sampling Date	Test	Test Group	Method	TAT Days	Fax Due Date	HC Due Date
P4477-01	MYE450	Solid	04/23/2024						
				Metals CLP Full		SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL		SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids		Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-02	MYE451	Solid	04/23/2024						
				Metals CLP Full		SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL		SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids		Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-03	MYE452	Solid	04/23/2024						
				Metals CLP Full		SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL		SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids		Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-04	MYE453	Solid	04/23/2024						
				Metals CLP Full		SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL		SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids		Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-05	MYE453D	Solid	04/23/2024						
				Metals CLP Full		SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL		SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids		Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-06	MYE453S	Solid	04/23/2024						
				Metals CLP Full		SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL		SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids		Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-07	MYE454	Solid	04/23/2024						
				Metals CLP Full		SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL		SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids		Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-08	MYE455	Solid	04/23/2024						
				Metals CLP Full		SFAM_AES	15	11/12/2024	11/12/2024

				Metals CLP MS FULL	SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids	Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-09	MYE456	Solid	04/23/2024					
				Metals CLP Full	SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL	SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids	Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-10	MYE457	Solid	04/23/2024					
				Metals CLP Full	SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL	SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids	Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-11	MYE458	Solid	04/23/2024					
				Metals CLP Full	SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL	SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids	Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-12	MYE459	Solid	04/23/2024					
				Metals CLP Full	SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL	SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids	Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-13	MYE460	Solid	04/23/2024					
				Metals CLP Full	SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL	SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids	Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-14	MYE461	Solid	04/23/2024					
				Metals CLP Full	SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL	SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids	Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-15	MYE462	Solid	04/23/2024					
				Metals CLP Full	SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL	SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids	Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-16	MYE463	Solid	04/23/2024					
				Metals CLP Full	SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL	SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids	Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-17	MYE464	Solid	04/23/2024					
				Metals CLP Full	SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL	SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids	Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-18	MYE465	Solid	04/23/2024					
				Metals CLP Full	SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL	SFAM_MS	15	11/12/2024	11/12/2024

				Percent Solids	Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-19	MYE466	Solid	04/23/2024					
				Metals CLP Full	SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL	SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids	Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-20	MYE467	Solid	04/23/2024					
				Metals CLP Full	SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL	SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids	Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-21	MYE468	Solid	04/23/2024					
				Metals CLP Full	SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL	SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids	Chemtech -SOP	15	11/12/2024	11/12/2024
P4477-22	MYE469	Solid	04/23/2024					
				Metals CLP Full	SFAM_AES	15	11/12/2024	11/12/2024
				Metals CLP MS FULL	SFAM_MS	15	11/12/2024	11/12/2024
				Percent Solids	Chemtech -SOP	15	11/12/2024	11/12/2024

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB164346 **WorkList ID :** 184689 **Department :** Digestion **Date :** 10-23-2024 09:24:09

1389

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4477-01	MYE450	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES
P4477-02	MYE451	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES
P4477-03	MYE452	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES
P4477-04	MYE453	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES
P4477-05	MYE453D	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES
P4477-06	MYE453S	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES
P4477-07	MYE454	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES
P4477-08	MYE455	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES
P4477-09	MYE456	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES
P4477-10	MYE457	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES
P4477-11	MYE458	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES
P4477-12	MYE459	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES
P4477-13	MYE460	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES
P4477-14	MYE461	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES
P4477-15	MYE462	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES
P4477-16	MYE463	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES
P4477-17	MYE464	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES
P4477-18	MYE465	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES
P4477-19	MYE466	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES
P4477-20	MYE467	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES
P4477-21	MYE468	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES

Date/Time 10/23/24 09:30

Raw Sample Received by: Applied Digestion

Raw Sample Relinquished by: CP

Date/Time 10/23/24 10:30

Raw Sample Received by: CP

Raw Sample Relinquished by: Applied Digestion

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB164346 **WorkList ID :** 184689 **Department :** Digestion **Date :** 10-23-2024 09:24:09

1390

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4477-22	MYE469	Solid	Metals CLP Full	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_AES

Date/Time 10/23/24 09:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 10/23/24 10:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB164345 **WorkList ID :** 184688 **Department :** Digestion **Date :** 10-23-2024 09:22:16

139

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4477-01	MYE450	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS
P4477-02	MYE451	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS
P4477-03	MYE452	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS
P4477-04	MYE453	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS
P4477-05	MYE453D	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS
P4477-06	MYE453S	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS
P4477-07	MYE454	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS
P4477-08	MYE455	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS
P4477-09	MYE456	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS
P4477-10	MYE457	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS
P4477-11	MYE458	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS
P4477-12	MYE459	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS
P4477-13	MYE460	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS
P4477-14	MYE461	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS
P4477-15	MYE462	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS
P4477-16	MYE463	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS
P4477-17	MYE464	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS
P4477-18	MYE465	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS
P4477-19	MYE466	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS
P4477-20	MYE467	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS
P4477-21	MYE468	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS

Date/Time 10/23/24 09:30

Raw Sample Received by: JSP (Met dig)

Raw Sample Relinquished by:

Date/Time 10/23/24 10:30

Raw Sample Received by:

Raw Sample Relinquished by: JSP (Met dig)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB164345 **WorkList ID :** 184688 **Department :** Digestion **Date :** 10-23-2024 09:22:16

1392

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4477-22	MYE469	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	Q11	04/23/2024	SFAM_MS

Date/Time 10/23/24 09:30

Raw Sample Received by: JSP (Met dig)

Raw Sample Relinquished by: CP

Date/Time 10/23/24 10:30

Raw Sample Received by: CP

Raw Sample Relinquished by: JSP (Met dig)