SDG COVER PAGE

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

Lab Code: ACE Case No.: 51772 MA No.: 3225.1,3226.1 SDG No.: MYDBF4

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method ICP-AES	ICP-MS	Mercury	Cyanide
MYDBF4	P4333-01	X	X		
MYDBF5	P4333-02	X	X		
MYDBF5D	P4333-03	X	X		
MYDBF5S	P4333-04	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: _____

68HERH20D0011

USEPA CLP COC (LAB COPY)
DateShipped: 10/4/2024
CarrierName: FedEx
AirbillNo: 7790 2090 4704

CHAIN OF CUSTODY RECORD

Case #: 51772
Cooler #: 51772-132

SDG # MYDBF4
No: 9-062424-103902-0081
Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed
Lab Phone: 908-728-3151

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
109-A-0008-01	MYDBF4	Soil/ REAC	Grab	ICP-AES 11 ICP-MS 11(21)	9-5432 (None) (1)	109-A-0008	06/21/2024 09:31	
109-A-0007-03	MYDBF5	Soil/ REAC	Grab	ICP-AES 11 ICP-MS 11(21)	9-5433 (None) (1)	109-A-0007	06/21/2024 09:32	✓ DW

Sample(s) to be used for Lab QC: 109-A-0007-03 Tag 9-5433 - Special Instructions: CP-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

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ICP-AES 11 ICP-MS 11=CLP ICP-AES 11 Metals and ICP-MS 11 Metals

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Samples To Lab	TA Walker Shipped	10/04/2024 1600		10-7-24 1059	21.8°C IR Gun #1
					No custody seals in MAC
					No Temp Blk

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 1 of 1
Received By (Print Name) GORGE NGUYEN		Log-in Date **10/7/2024**
Received By (Signature)		
Case Number 51772	SDG No. MYDBF4	MA No. 3225.1,3226.1

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	n/a
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	779020904704 1
6. Shipping Container Temperature Indicator Bottle	Absent
7. Shipping Container Temperature	21.8 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	10/07/2024
12.Time Received	10:59

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MYDBF4	N/A	9-5432	P4333-01	Intact
2	MYDBF5	N/A	9-5433	P4333-02	Intact
3	MYDBF5D	N/A	9-5433	P4333-03	Intact
4	MYDBF5S	N/A	9-5433	P4333-04	Intact
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
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	10/7/24	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.	**51772**	SDG NO.	**MYDBF4**
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	2	✓	
3 . Sample Log-In Sheet (DC-1)	3	3	✓	
4 . CSF Inventory Sheet (DC-2)	4	6	✓	
5 . SDG Narrative	7	16	✓	
6 . Communication Logs	17	21	✓	
7 . Percent Solids Log	22	24	✓	
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	25	26	✓	
9 . Instrument raw data by instrument in analysis order	27	212	✓	
Other Data				
10 . Standard and Reagent Preparation Logs	213	362	✓	
11 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	363	364	✓	
12 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	365	371	✓	
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	372	373	✓	
18 . Instrument raw data by instrument in analysis order	374	1228	✓	
Other Data				
19 . Standard and Reagent Preparation Logs	1229	1368	✓	
20 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	1369	1370	✓	
21 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	1371	1378	✓	
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)	1379	1379	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	1380	1380	✓	
45. Misc. Shipping/Receiving Records (list all individual records)				
	NA	NA	✓	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	1381	1382	✓	
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 # MYDBF4
CASE # 51772
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID # P4333
MODIFIED ANALYSIS #3225.1, 3226.1

A. Number of Samples and Date of Receipt

02 Soil samples were delivered to the laboratory intact on 10/07/2024.

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: 21.8^{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.

Issue 2: The original copy of COC# 9-062424-103902-0081, page 5, is missing the relinquished signature and date/time. The laboratory is requesting an updated COC with a signature and date/time.

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.

Resolution 2: Per Region 9, an updated and signed page 5 of the COC has been attached. The laboratory should 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 MYDBF4 For Antimony:

If C = 0.0099203 ppm
Vf = 100 ml
W = 1.46g
S = 0.935(93.5/100)
DF = 2

$$\text{Concentration (mg/kg)} = 0.0099203 \times \frac{100}{1.46 \times 0.935} \times 2$$

$$= 1.45341 \text{ mg/kg}$$

$$= 1.5 \text{ mg/kg (Reported Result with Signification)}$$

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 MYDBF4 For Antimony :

If C = 2.29 ppb
Vf = 500 ml
W = 1.46 g
S = 0.935 (93.5/100)
DF = 1

$$\text{Concentration (mg/kg)} = 2.29 \times \frac{500}{1.46 \times 0.935} \times 1 / 1000$$

= 0.8387 mg/kg

= 0.84 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 (MYDBF5S) did meet requirements except for Beryllium . Duplicate sample did meet requirements. 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

284 Sheffield Street
Mountainside, NJ 07092

Beryllium	6Li
Cadmium	159Tb
Chromium	45Sc
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: 09/11/2024	**MA:** 3225.1	**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.
  - Reduce volume to 5 mL or reflux without boiling for 2 hours at 95°C (±3°C).
  - 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: 09/11/2024	**MA:** 3226.1	**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.
  - Reduce volume to 5 mL or reflux without boiling for 2 hours at 95°C (±3°C).
  - 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				

From: Hairston, Miles (NE) <Miles.Hairston@gdit.com>
Sent: Friday, October 11, 2024 4:34 PM
To: Sohil Jodhani; Mohammad Ahmed; Deepak Parmar
Cc: R9RSCC (R9RSCC@epa.gov); carmon.jamie@epa.gov; Spiegel, Michael (he/him/his); Britz, Helen; Moody, Brett; Myer, Shari; Bauer, Heather E; Johnson, Matthew; Ackerman, Eric; David, Edgardo D
Subject: Region 09 | Case 51772 | Lab ACE | Issue Missing signature on COC | FINAL
Attachments: P4333-TR-0081signed.pdf

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Good afternoon,

Please see the resolution below.

Issue: The original copy of COC# 9-062424-103902-0081, page 5, is missing the relinquished signature and date/time. The laboratory is requesting an updated COC with a signature and date/time.
Resolution: Per Region 9, an updated and signed page 5 of the COC has been attached. The laboratory should note the issue in the SDG narrative and proceed with the analysis of the samples.

Please note that the laboratory will have to contact the appropriate CLP COR should any defects need to be waived for this issue.

Thanks,
Miles Hairston
Associate Environmental Analyst
Under contract to EPA
QSS Coordinator – EPA Regions 1, 8, 7, and 9

Work Phone: +1 571-454-0346
Miles.Hairston@gdit.com
15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com

Leave alert: October 14 and October 21 - 22

GENERAL DYNAMICS
Information Technology

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email shall not operate to bind GDIT to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of email for such purpose.

From: R9RSCC <R9RSCC@epa.gov>
Sent: Friday, October 11, 2024 3:15 PM
To: Hairston, Miles (NE) <Miles.Hairston@gdit.com>
Cc: R9RSCC <R9RSCC@epa.gov>
Subject: FW: [EXT]:FW: Region 09 | Case 51772 | Lab ACE | Issue Missing signature on COC

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Please use caution with links, attachments, and any requests for credentials.

Hi Miles,

Revised COC for missing signature.

Thanks!
-Jamie
Jamie Carmon (she/her)
****
Region 9
RSCC (Regional Sample Control Coordinator)
Email: R9RSCC@epa.gov
The R9 lab will be closed Monday, October 14th in observance of the Federal holiday.
- The lab will resume normal hours October 15th.

From: Hairston, Miles (NE)
Sent: Friday, October 11, 2024 2:57 PM
To: R9RSCC (R9RSCC@epa.gov) R9RSCC@epa.gov; carmon.jamie@epa.gov; Spiegel, Michael (he/him/his) Spiegel.Michael@epa.gov
Cc: Britz, Helen Britz.Helen@epa.gov; Moody, Brett Moody.Brett@epa.gov; Myer, Shari Myer.Shari@epa.gov; Bauer, Heather E Heather.Bauer@gdit.com; Johnson, Matthew Matthew.Johnson32@gdit.com; Ackerman, Eric Eric.Ackerman@WestonSolutions.com
Subject: Region 09 | Case 51772 | Lab ACE | Issue Missing signature on COC

Good afternoon,

I would like to follow up on the email below. Please advise on the issue below.

Issue: The original copy of COC# 9-062424-103902-0081, page 5, is missing the relinquished signature and date/time. The laboratory is requesting an updated COC with a signature and date/time.

Thanks,
Miles Hairston
Associate Environmental Analyst
Under contract to EPA
QSS Coordinator – EPA Regions 1, 8, 7, and 9

Work Phone: +1 571-454-0346
Miles.Hairston@gdit.com
15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com

Leave alert: October 14 and October 21 - 22

GENERAL DYNAMICS
information technology

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From: Walzer, Thomas <T.A.Walzer@WestonSolutions.com>
Sent: Friday, October 11, 2024 7:18 AM
To: R9RSCC <R9RSCC@epa.gov>; Guijarro, Carolina <carolina.guijarro@WestonSolutions.com>; Leatherbury, Ryan <Ryan.leatherbury@westonsolutions.com>; Rodriguez, Anthony <anthony.rodriguez@westonsolutions.com>; Grossman, Scott <grossman.scott@epa.gov>
Subject: RE: [EXT]:FW: Region 09 | Case 51772 | Lab ACE | Issue Missing signature on COC

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WESTON SOLUTIONS | **Thomas Walzer**
Principal Analyst
(713) 705-1467 T.A.Walzer@WestonSolutions.com
Environmental and Infrastructure Solutions

From: R9RSCC <R9RSCC@epa.gov>
Sent: Thursday, October 10, 2024 10:45 AM
To: Guijarro, Carolina <Carolina.Guijarro@WestonSolutions.com>; Walzer, Thomas <T.A.Walzer@WestonSolutions.com>; Leatherbury, Ryan <Ryan.Leatherbury@WestonSolutions.com>; Rodriguez, Anthony <Anthony.Rodriguez@WestonSolutions.com>; Grossman, Scott <grossman.scott@epa.gov>
Cc: R9RSCC <R9RSCC@epa.gov>
Subject: [EXT]:FW: Region 09 | Case 51772 | Lab ACE | Issue Missing signature on COC

***** External Message *** -- PROBE message before clicking links or opening attachments.**

Hi Carolina,

Please advise on the issue below.

Issue: The original copy of COC# 9-062424-103902-0081, page 5, is missing the relinquished signature and date/time. The laboratory is requesting an updated COC with a signature and date/time.

Thanks!
-Jamie
Jamie Carmon (she/her)
****
Region 9
RSCC (Regional Sample Control Coordinator)
Email: R9RSCC@epa.gov
The R9 lab will be closed Monday, October 14th in observance of the Federal holiday.
- The lab will resume normal hours October 15th.

From: Hairston, Miles (NE)
Sent: Thursday, October 10, 2024 11:05 AM
To: R9RSCC (R9RSCC@epa.gov) R9RSCC@epa.gov; carmon.jamie@epa.gov; Spiegel, Michael (he/him/his) Spiegel.Michael@epa.gov
Cc: Britz, Helen Britz.Helen@epa.gov; Moody, Brett Moody.Brett@epa.gov; Myer, Shari Myer.Shari@epa.gov; Bauer, Heather E Heather.Bauer@gdit.com; Johnson, Matthew Matthew.Johnson32@gdit.com; Ackerman, Eric Eric.Ackerman@WestonSolutions.com
Subject: Region 09 | Case 51772 | Lab ACE | Issue Missing signature on COC

Good morning,

Please advise on the issue below.

Issue: The original copy of COC# 9-062424-103902-0081, page 5, is missing the relinquished signature and date/time. The laboratory is requesting an updated COC with a signature and date/time.

Thanks,
Miles Hairston
Associate Environmental Analyst
Under contract to EPA
QSS Coordinator – EPA Regions 1, 8, 7, and 9

Work Phone: +1 571-454-0346
Miles.Hairston@gdit.com
15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com

Leave alert: October 14 and October 21 - 22

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From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Thursday, October 10, 2024 9:58 AM
To: Hairston, Miles (NE) <Miles.Hairston@gdit.com>
Cc: Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>; David, Edgardo D <Edgardo.David@gdit.com>
Subject: Region 09 | Case 51772 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

This Message Is From an External Sender

Please use caution with links, attachments, and any requests for credentials.

Good morning,

Attached COC missing relinquished information.

Thanks & Regards,

Deepak Parmar
QA/QC
An Alliance Technical Group Company
Main: 908-789-8900
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

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PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/11/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:15
In Date: 10/10/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 07:55
Out Date: 10/11/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB132865

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
P4332-01	MYDBD4	1	1.18	8.44	9.62	9.33	96.6	
P4332-02	MYDBD5	2	1.15	8.52	9.67	9.37	96.5	
P4332-03	MYDBD6	3	1.18	8.64	9.82	9.57	97.1	
P4332-04	MYDBD7	4	1.18	8.65	9.83	9.59	97.2	
P4332-05	MYDBD8	5	1.18	8.62	9.8	9.55	97.1	
P4332-06	MYDBD9	6	1.15	8.40	9.55	9.31	97.1	
P4332-07	MYDBE0	7	1.18	8.43	9.61	9.36	97.0	
P4332-08	MYDBE1	8	1.15	8.38	9.53	9.13	95.2	
P4332-09	MYDBE2	9	1.18	8.44	9.62	9.18	94.8	
P4332-10	MYDBE3	10	1.16	8.51	9.67	9.35	96.2	
P4332-11	MYDBE4	11	1.18	8.45	9.63	9.29	96.0	
P4332-12	MYDBE5	12	1.17	8.72	9.89	9.56	96.2	
P4332-13	MYDBE6	13	1.17	8.58	9.75	9.47	96.7	
P4332-14	MYDBE6D	14	1.17	8.58	9.75	9.47	96.7	
P4332-15	MYDBE6S	15	1.17	8.58	9.75	9.47	96.7	
P4332-16	MYDBE7	16	1.15	8.68	9.83	9.54	96.7	
P4332-17	MYDBE8	17	1.15	8.41	9.56	9.2	95.7	
P4332-18	MYDBE9	18	1.18	8.48	9.66	9.41	97.1	
P4332-19	MYDBF0	19	1.14	8.63	9.77	9.38	95.5	
P4332-20	MYDBF1	20	1.15	8.38	9.53	8.82	91.5	
P4332-21	MYDBF2	21	1.18	8.50	9.68	9.21	94.5	
P4332-22	MYDBF3	22	1.18	8.46	9.64	9.32	96.2	
P4333-01	MYDBF4	23	1.19	8.50	9.69	9.14	93.5	
P4333-02	MYDBF5	24	1.15	8.48	9.63	9.21	95.0	
P4333-03	MYDBF5D	25	1.15	8.48	9.63	9.21	95.0	
P4333-04	MYDBF5S	26	1.15	8.48	9.63	9.21	95.0	

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

WORKLIST(Hardcopy Internal Chain)

VB 132865

WorkList Name : %1-P4332 **WorkList ID :** 184319 **Department :** Wet-Chemistry **Date :** 10-10-2024 12:53:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4332-01	MYDBD4	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4332-02	MYDBD5	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4332-03	MYDBD6	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4332-04	MYDBD7	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4332-05	MYDBD8	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4332-06	MYDBD9	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4332-07	MYDBE0	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4332-08	MYDBE1	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4332-09	MYDBE2	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4332-10	MYDBE3	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4332-11	MYDBE4	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4332-12	MYDBE5	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4332-13	MYDBE6	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4332-14	MYDBE6D	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4332-15	MYDBE6S	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4332-16	MYDBE7	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4332-17	MYDBE8	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4332-18	MYDBE9	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4332-19	MYDBF0	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4332-20	MYDBF1	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4332-21	MYDBF2	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO

23

Date/Time 10/10/24 15:15

Raw Sample Received by: JD (WC)

Raw Sample Relinquished by: JM (SM)

Date/Time 10/10/24 1620

Raw Sample Received by: JM (SM)

Raw Sample Relinquished by: JD (WC)

WORKLIST(Hardcopy Internal Chain)

VB 132865

WorkList Name : %1-P4332 **WorkList ID :** 184319 **Department :** Wet-Chemistry **Date :** 10-10-2024 12:53:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4332-22	MYDBF3	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/21/2024	Chemtech -SO
P4333-01	MYDBF4	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/21/2024	Chemtech -SO
P4333-02	MYDBF5	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/21/2024	Chemtech -SO
P4333-03	MYDBF5D	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/21/2024	Chemtech -SO
P4333-04	MYDBF5S	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/21/2024	Chemtech -SO

24

Date/Time 10/10/24 15:15

Raw Sample Received by: VB WDC

Raw Sample Relinquished by: JM (SM)

Date/Time 10/10/24 16:20

Raw Sample Received by: JM (SM)

Raw Sample Relinquished by: VB WDC

EPA SAMPLE NO.

MYDBF4

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51772 MA No. : 3226.1 SDG No.: MYDBF4

Matrix: SOIL Lab Sample ID: P4333-01

% Solids: 93.5 Date Received: 10/07/2024

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	35000	D	10/28/2024	2001
7440-36-0	Antimony	1.5	JD	10/28/2024	2001
7440-38-2	Arsenic	40	D	10/28/2024	2001
7440-39-3	Barium	1200	D	10/28/2024	2001
7440-41-7	Beryllium	1.7	D	10/28/2024	2001
7440-43-9	Cadmium	2.0	D	10/28/2024	2001
7440-70-2	Calcium	17000	D	10/28/2024	2001
7440-47-3	Chromium	70	D	10/28/2024	2001
7440-48-4	Cobalt	25	D	10/28/2024	2001
7440-50-8	Copper	290	D	10/28/2024	2001
7439-89-6	Iron	35000	D	10/28/2024	2001
7439-92-1	Lead	80	D	10/28/2024	2001
7439-95-4	Magnesium	11000	D	10/28/2024	2001
7439-96-5	Manganese	780	D	10/28/2024	2001
7440-02-0	Nickel	120	D	10/28/2024	2001
7440-09-7	Potassium	2300	D	10/28/2024	2001
7782-49-2	Selenium	5.1	UD	10/28/2024	2001
7440-22-4	Silver	1.5	UD	10/28/2024	2001
7440-23-5	Sodium	300	JD	10/28/2024	2001
7440-28-0	Thallium	3.7	UD	10/28/2024	2001
7440-62-2	Vanadium	75	D	10/28/2024	2001
7440-66-6	Zinc	180	D	10/28/2024	2001

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

Comments:

EPA SAMPLE NO.

MYDBF5

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51772 MA No. : 3226.1 SDG No.: MYDBF4

Matrix: SOIL Lab Sample ID: P4333-02

% Solids: 95 Date Received: 10/07/2024

Analytical Method: ICP_AES

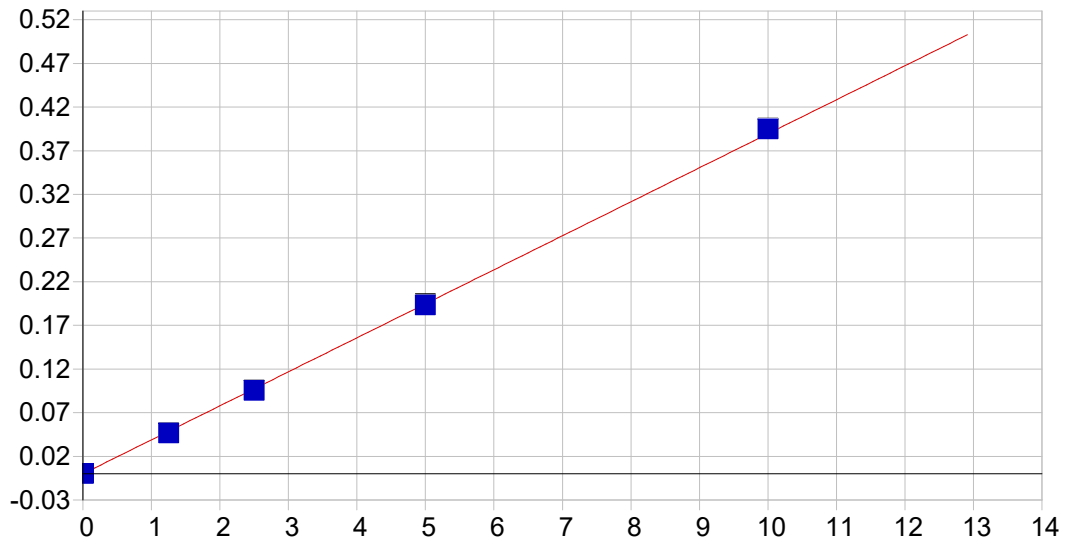
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	33000	D	10/25/2024	2056
7440-36-0	Antimony	0.92	JD	10/25/2024	2056
7440-38-2	Arsenic	72	D	10/25/2024	2056
7440-39-3	Barium	610	D	10/25/2024	2056
7440-41-7	Beryllium	2.0	D	10/25/2024	2056
7440-43-9	Cadmium	4.8	D	10/25/2024	2056
7440-70-2	Calcium	12000	D	10/25/2024	2056
7440-47-3	Chromium	74	D	10/25/2024	2056
7440-48-4	Cobalt	23	D	10/25/2024	2056
7440-50-8	Copper	710	D	10/25/2024	2056
7439-89-6	Iron	35000	D	10/25/2024	2056
7439-92-1	Lead	170	D	10/25/2024	2056
7439-95-4	Magnesium	8500	D	10/25/2024	2056
7439-96-5	Manganese	850	D	10/25/2024	2056
7440-02-0	Nickel	92	D	10/25/2024	2056
7440-09-7	Potassium	2500	D	10/25/2024	2056
7782-49-2	Selenium	6.2	UD	10/25/2024	2056
7440-22-4	Silver	1.8	UD	10/25/2024	2056
7440-23-5	Sodium	240	JD	10/25/2024	2056
7440-28-0	Thallium	4.5	UD	10/25/2024	2056
7440-62-2	Vanadium	65	D	10/25/2024	2056
7440-66-6	Zinc	430	D	10/25/2024	2056

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

Comments:

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

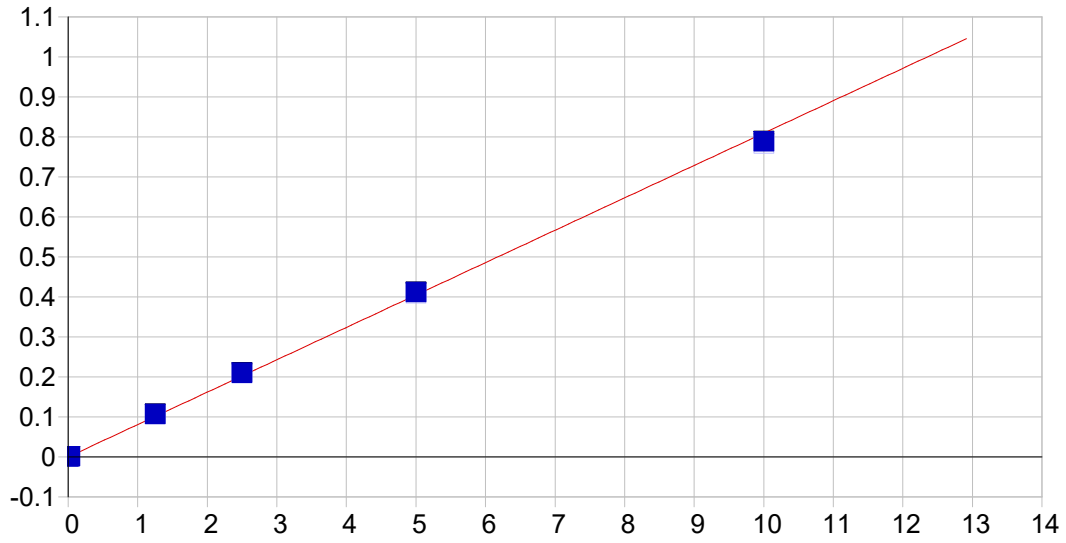


As 189.042 {479}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000047	Re-Slope:	1.000000
A1 (Gain):	0.038948	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999850	Status:	OK.
Std Error of Est:	0.000011		
Predicted MDL:	0.004900		
Predicted MQL:	0.016334		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00005	.000	1
S1	.01000	.00891	-.001	-10.9	.00030	.000	1
S2	1.2500	1.1950	-.055	-4.40	.04657	.000	1
S3	2.5000	2.4521	-.048	-1.92	.09560	.000	1
S4	5.0000	4.9646	-.035	-.708	.19360	.001	1
S5	10.000	10.139	.139	1.39	.39544	.000	1



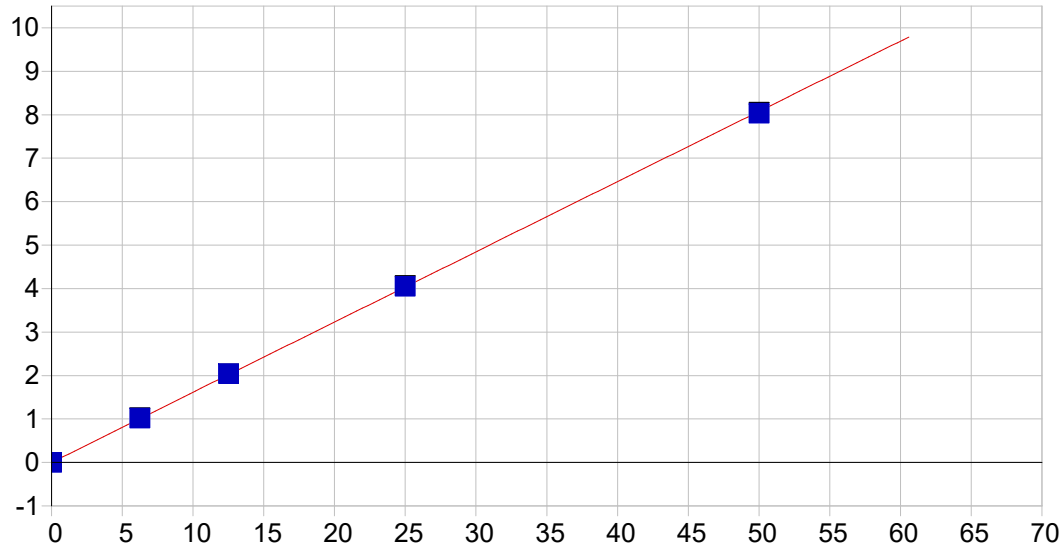
Tl 190.856 {477}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000053	Re-Slope:	1.000000
A1 (Gain):	0.080959	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999556	Status:	OK.
Std Error of Est:	0.000064		
Predicted MDL:	0.002755		
Predicted MQL:	0.009183		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00005	.000	1
S1	.02500	.02318	-.002	-7.28	.00178	.000	1
S2	1.2500	1.3238	.074	5.90	.10642	.000	1
S3	2.5000	2.5964	.096	3.86	.20875	.001	1
S4	5.0000	5.0893	.089	1.79	.40918	.000	1
S5	10.000	9.7423	-.258	-2.58	.78310	.001	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



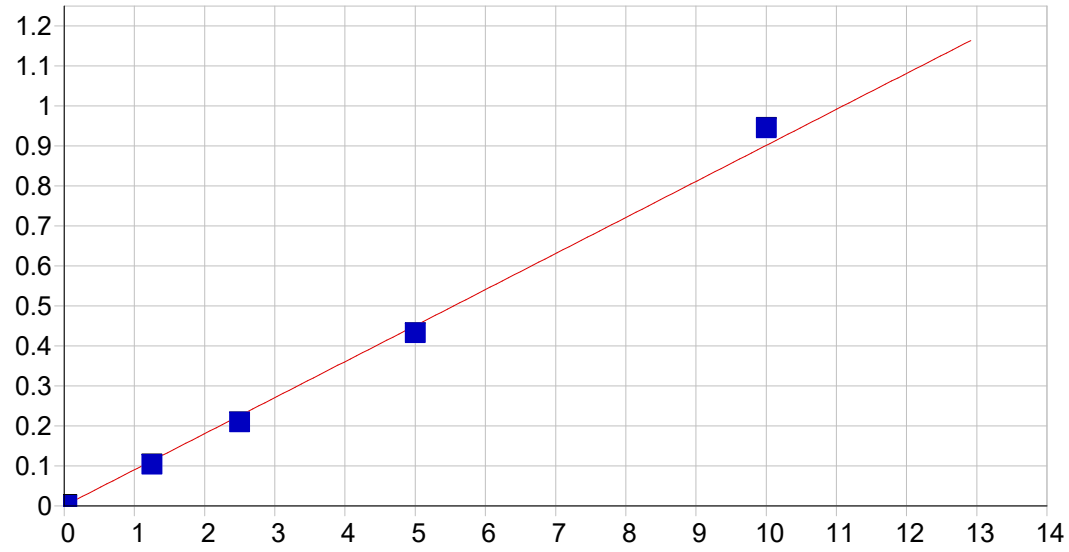
Pb 220.353 {453}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000858	Re-Slope:	1.000000
A1 (Gain):	0.161550	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999978	Status:	OK.
Std Error of Est:	0.000040		
Predicted MDL:	0.003072		
Predicted MQL:	0.010241		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00086	.000	1
S1	.01000	.00868	-.001	-13.2	.00055	.000	1
S2	6.2500	6.3202	.070	1.12	1.0199	.003	1
S3	12.500	12.619	.119	.953	2.0373	.003	1
S4	25.000	25.101	.101	.405	4.0532	.009	1
S5	50.000	49.711	-.289	-.578	8.0279	.025	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



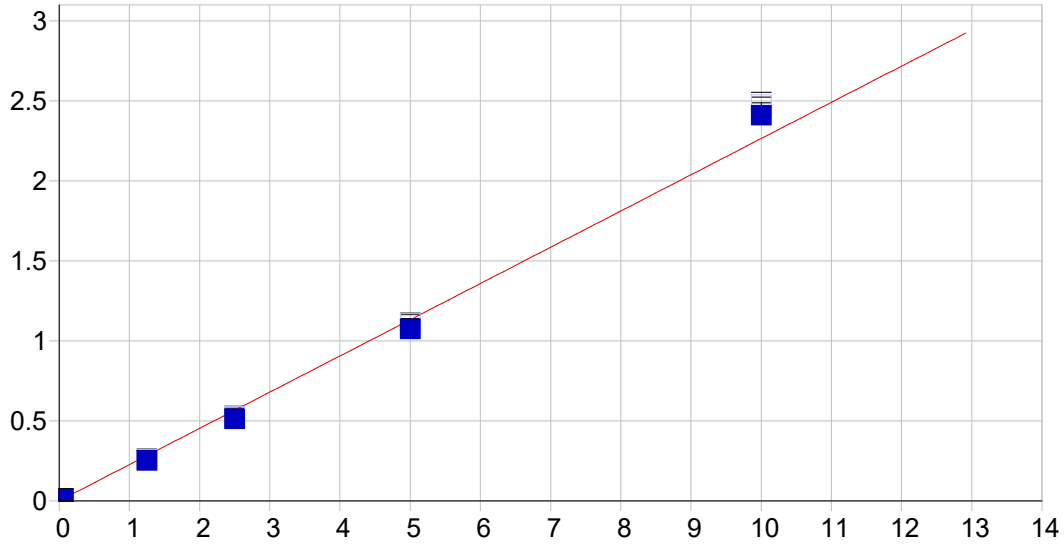
Se 196.090 {472}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000295	Re-Slope:	1.000000
A1 (Gain):	0.090112	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998535	Status:	OK.
Std Error of Est:	0.000153		
Predicted MDL:	0.004727		
Predicted MQL:	0.015755		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00030	.000	1
S1	.03500	.02649	-.009	-24.3	.00268	.001	1
S2	1.2500	1.1478	-.102	-8.17	.10351	.001	1
S3	2.5000	2.3238	-.176	-7.05	.20927	.000	1
S4	5.0000	4.7976	-.202	-4.05	.43176	.000	1
S5	10.000	10.489	.489	4.89	.94379	.001	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



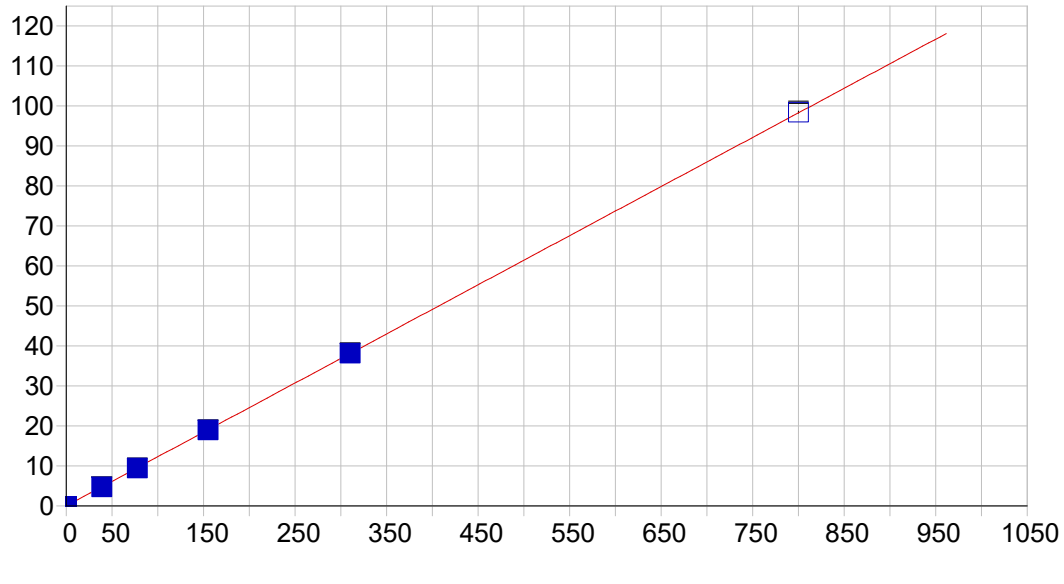
Sb 206.833 {463}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000502	Re-Slope:	1.000000
A1 (Gain):	0.226406	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.997658	Status:	OK.
Std Error of Est:	0.000657		
Predicted MDL:	0.002267		
Predicted MQL:	0.007557		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00051	.000	1
S1	.06000	.05430	-.006	-9.50	.01280	.000	1
S2	1.2500	1.1122	-.138	-11.0	.26066	.001	1
S3	2.5000	2.2589	-.241	-9.65	.52863	.002	1
S4	5.0000	4.7415	-.258	-5.17	1.1074	.005	1
S5	10.000	10.643	.643	6.43	2.4770	.015	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



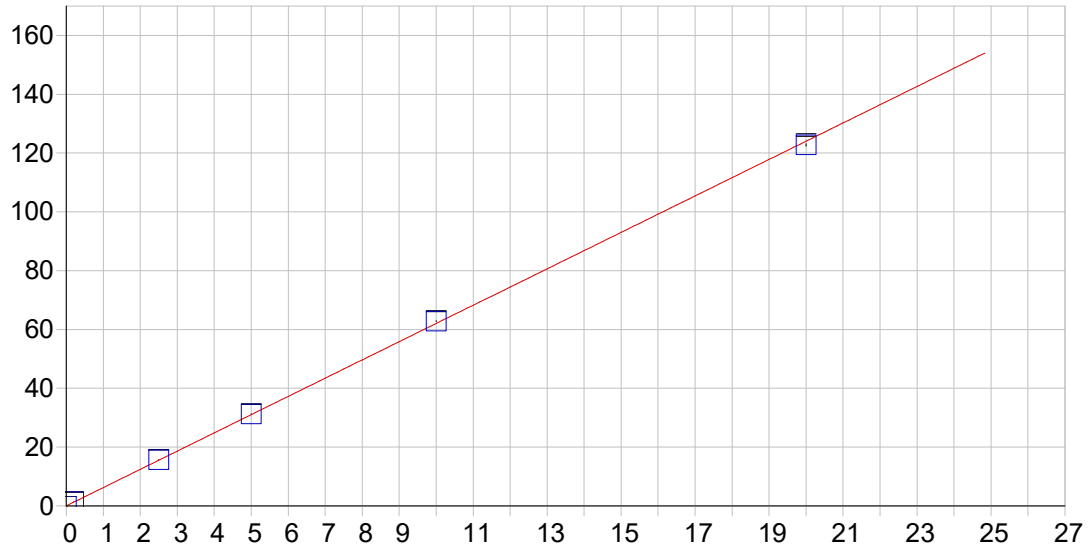
Al 396.152 { 85}

Date of Fit:	10/25/2024 19:52:58	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.010766	Re-Slope:	1.000000
A1 (Gain):	0.122855	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999992	Status:	OK.
Std Error of Est:	0.000313		
Predicted MDL:	0.013230		
Predicted MQL:	0.044101		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00003	.000	.000	.01077	.001	1
S1	.20000	.17115	-.029	-14.4	.03184	.001	1
S2	38.750	38.595	-.155	-.399	4.7581	.028	1
S3	77.500	76.562	-.938	-1.21	9.4283	.024	1
S4	155.00	154.23	-.768	-.496	18.982	.043	1
S5	310.00	310.57	.570	.184	38.212	.072	1
S6	800.00	801.32	1.32	.165	98.457	.280	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



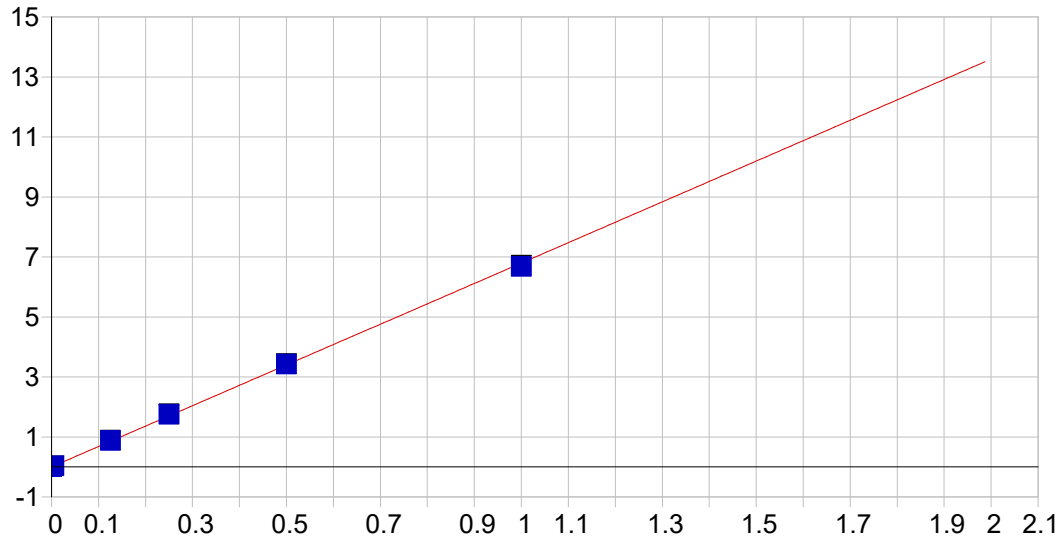
Ba 493.409 { 68}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.031170	Re-Slope:	1.000000
A1 (Gain):	6.200801	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999925	Status:	OK.
Std Error of Est:	0.008050		
Predicted MDL:	0.000827		
Predicted MQL:	0.002756		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00002	-.000	.000	.03105	.004	1
S1	.20000	.21547	.015	7.73	1.3672	.007	1
S2	2.5000	2.5283	.028	1.13	15.709	.024	1
S3	5.0000	5.0370	.037	.739	31.264	.116	1
S4	10.000	10.128	.128	1.28	62.835	.195	1
S5	20.000	19.791	-.209	-1.05	122.75	.412	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



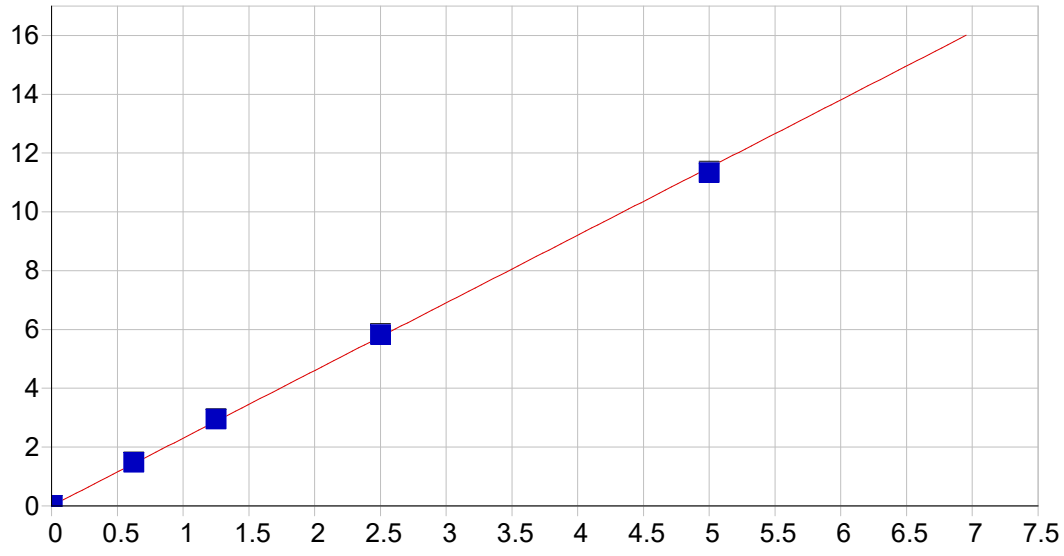
Be 234.861 {144}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001969	Re-Slope:	1.000000
A1 (Gain):	6.798982	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999792	Status:	OK.
Std Error of Est:	0.000519		
Predicted MDL:	0.000135		
Predicted MQL:	0.000451		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00197	.001	1
S1	.00500	.00548	.000	9.60	.03527	.001	1
S2	.12500	.13003	.005	4.03	.88076	.005	1
S3	.25000	.25734	.007	2.94	1.7450	.016	1
S4	.50000	.50395	.004	.790	3.4189	.012	1
S5	1.0000	.98319	-.017	-1.68	6.6718	.039	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



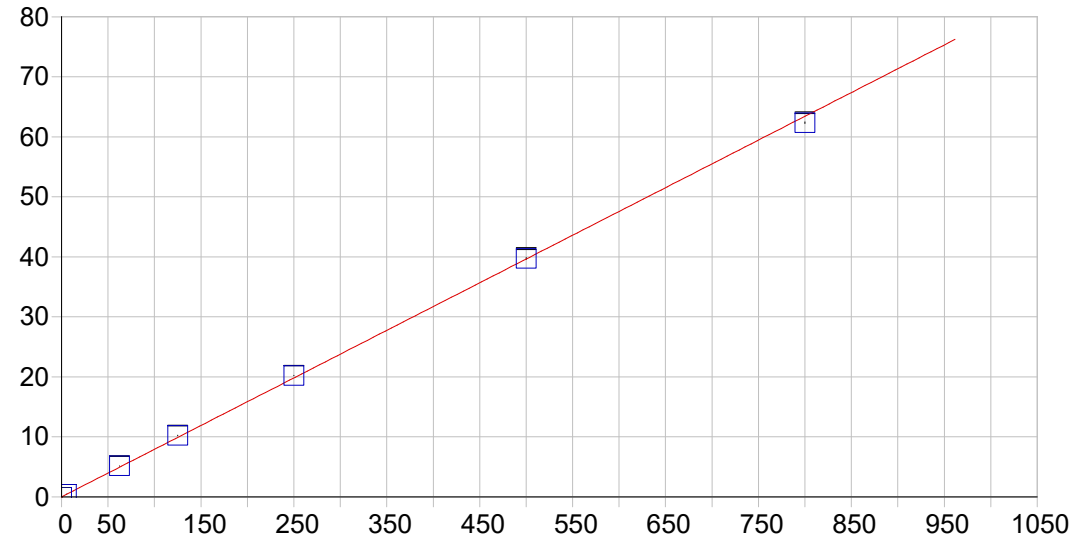
Cd 214.438 {457}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000613	Re-Slope:	1.000000
A1 (Gain):	2.301637	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999850	Status:	OK.
Std Error of Est:	0.000335		
Predicted MDL:	0.000131		
Predicted MQL:	0.000435		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00061	.000	1
S1	.00500	.00500	.000	.069	.01214	.000	1
S2	.62500	.64273	.018	2.84	1.4834	.003	1
S3	1.2500	1.2801	.030	2.41	2.9539	.005	1
S4	2.5000	2.5304	.030	1.21	5.8384	.017	1
S5	5.0000	4.9218	-.078	-1.56	11.356	.033	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



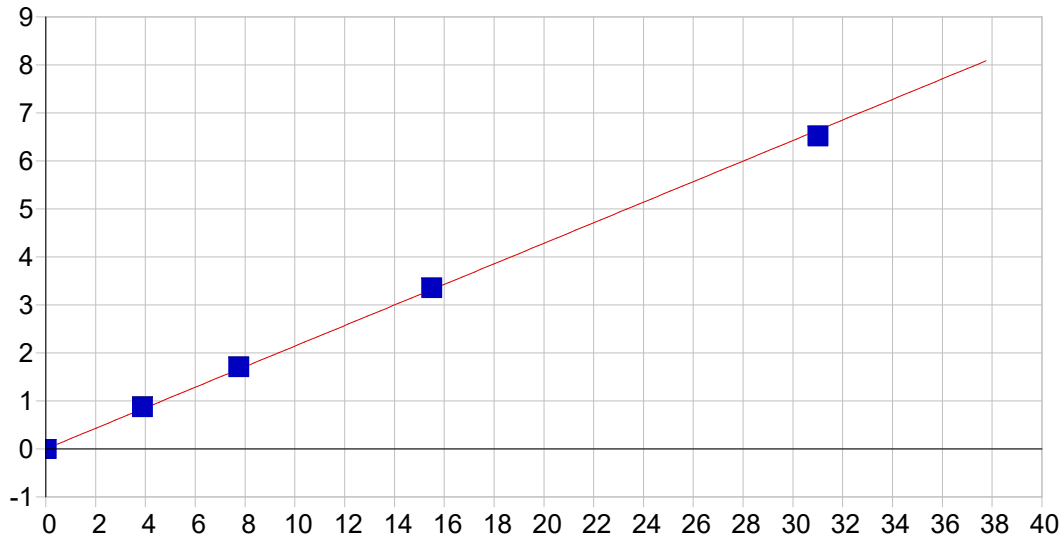
Ca 373.690 { 90}

Date of Fit:	10/25/2024 19:52:58	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.007624	Re-Slope:	1.000000
A1 (Gain):	0.079260	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999816	Status:	OK.
Std Error of Est:	0.005311		
Predicted MDL:	0.016430		
Predicted MQL:	0.054766		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00098	-.001	.000	.00755	.000	1
S1	5.0000	5.5795	.580	11.6	.44986	.004	1
S2	62.500	65.071	2.57	4.11	5.1652	.030	1
S3	125.00	129.07	4.07	3.26	10.238	.045	1
S4	250.00	255.13	5.13	2.05	20.229	.044	1
S5	500.00	501.16	1.16	.231	39.729	.146	1
S6	800.00	786.49	-13.5	-1.69	62.345	.123	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



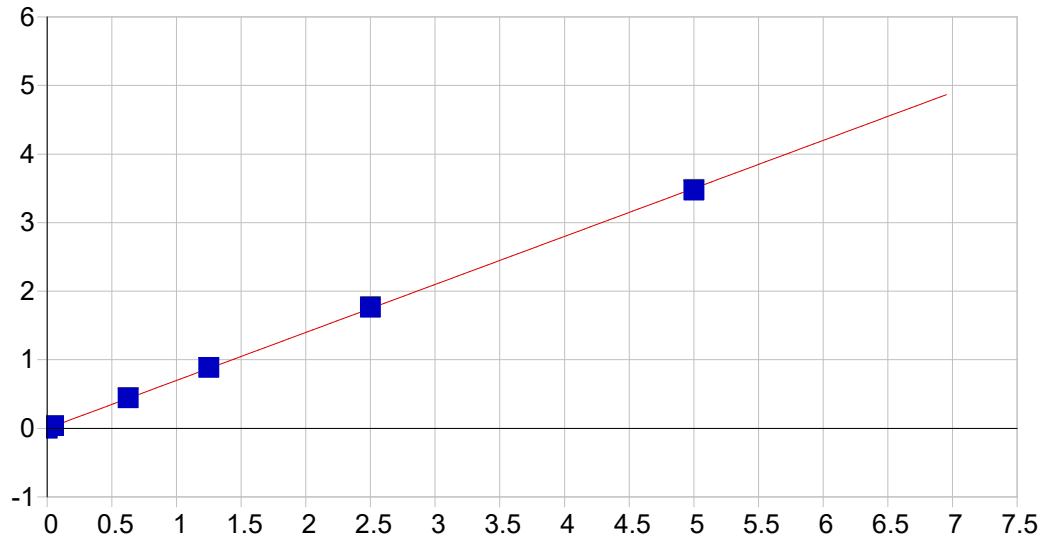
Cr 267.716 {126}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000077	Re-Slope:	1.000000
A1 (Gain):	0.214160	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999743	Status:	OK.
Std Error of Est:	0.000144		
Predicted MDL:	0.000929		
Predicted MQL:	0.003097		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00008	.000	1
S1	.01000	.01039	.000	3.91	.00215	.000	1
S2	3.8750	4.0864	.211	5.46	.87600	.003	1
S3	7.7500	7.9558	.206	2.65	1.7056	.004	1
S4	15.500	15.669	.169	1.09	3.3594	.003	1
S5	31.000	30.413	-.587	-1.89	6.5207	.006	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



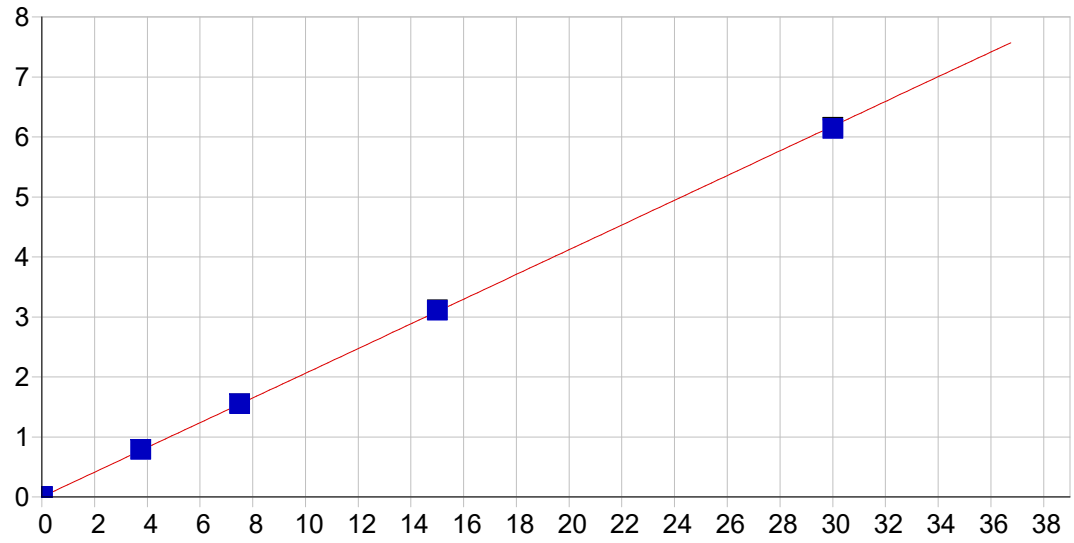
Co 228.616 {448}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000489	Re-Slope:	1.000000
A1 (Gain):	0.699920	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999964	Status:	OK.
Std Error of Est:	0.000159		
Predicted MDL:	0.000496		
Predicted MQL:	0.001655		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00049	.000	1
S1	.05000	.05109	.001	2.18	.03539	.000	1
S2	.62500	.63088	.006	.941	.44161	.000	1
S3	1.2500	1.2625	.013	1.00	.88425	.001	1
S4	2.5000	2.5203	.020	.811	1.7656	.006	1
S5	5.0000	4.9602	-.040	-.795	3.4755	.011	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



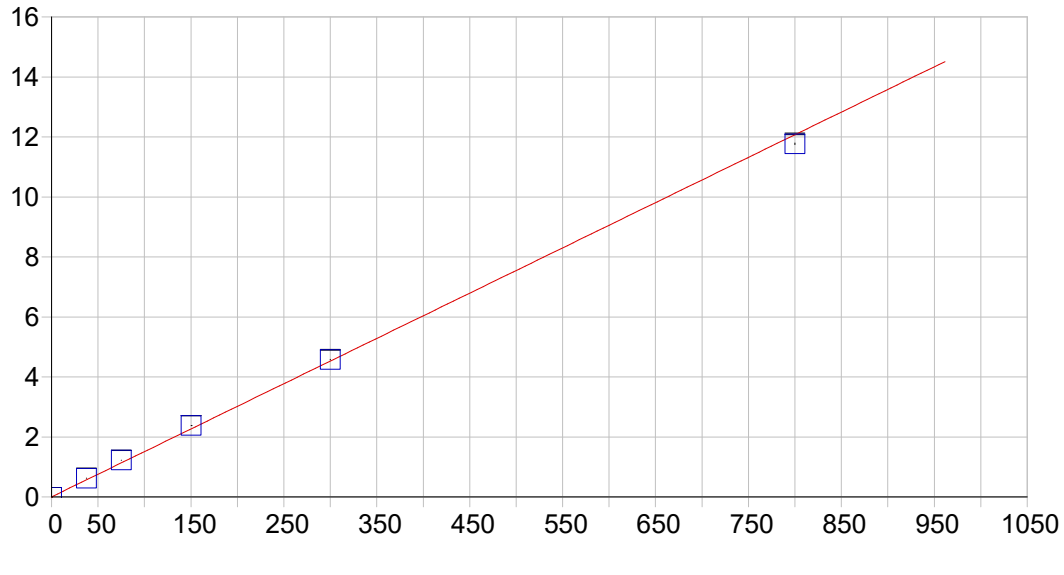
Cu 324.754 {104}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000853	Re-Slope:	1.000000
A1 (Gain):	0.205959	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999965	Status:	OK.
Std Error of Est:	0.000079		
Predicted MDL:	0.003865		
Predicted MQL:	0.012883		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00085	.001	1
S1	.02500	.02967	.005	18.7	.00696	.001	1
S2	3.7500	3.8158	.066	1.76	.78626	.003	1
S3	7.5000	7.5323	.032	.430	1.5512	.004	1
S4	15.000	15.090	.090	.599	3.1068	.008	1
S5	30.000	29.807	-.193	-.642	6.1360	.017	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



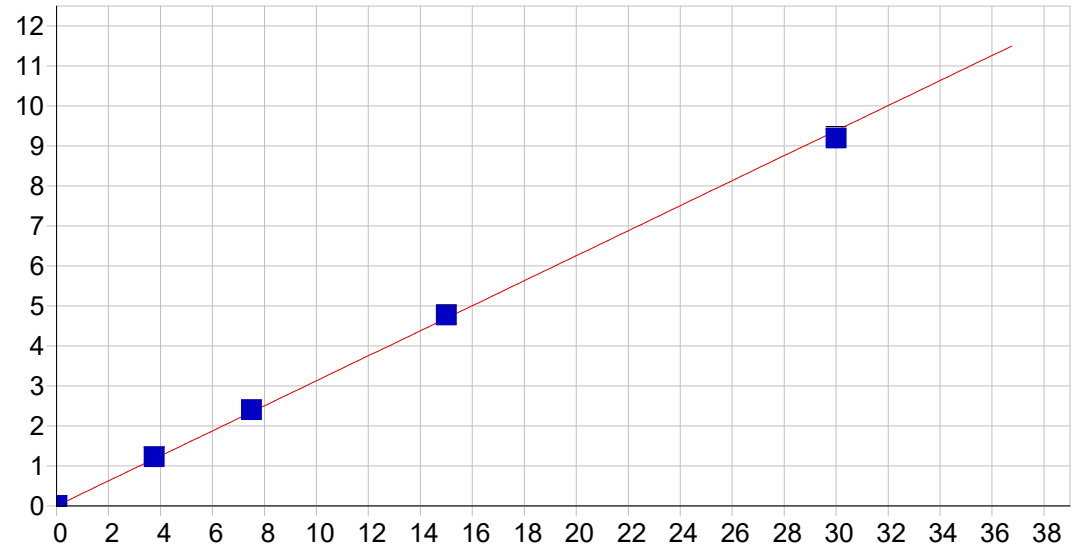
Fe 259.837 {130}

Date of Fit:	10/25/2024 19:52:58	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001286	Re-Slope:	1.000000
A1 (Gain):	0.015090	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999368	Status:	OK.
Std Error of Est:	0.000234		
Predicted MDL:	0.024471		
Predicted MQL:	0.081569		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00129	.000	1
S1	.10000	.07708	-.023	-22.9	.00245	.000	1
S2	37.500	41.096	3.60	9.59	.62143	.003	1
S3	75.000	80.871	5.87	7.83	1.2216	.005	1
S4	150.00	157.42	7.42	4.95	2.3768	.001	1
S5	300.00	303.32	3.32	1.11	4.5784	.010	1
S6	800.00	779.81	-20.2	-2.52	11.769	.028	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

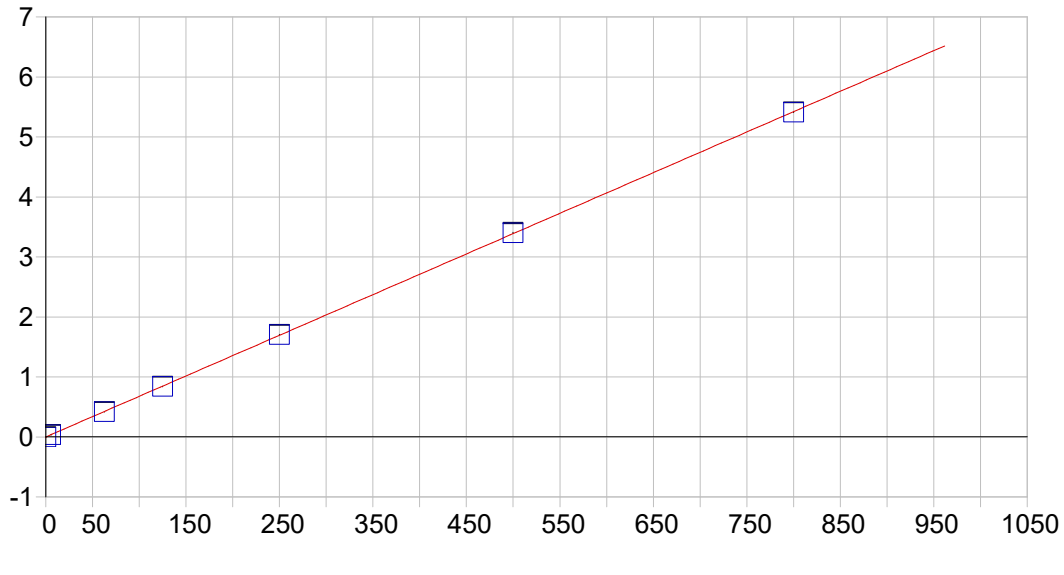


Mn 257.610 {131}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000446	Re-Slope:	1.000000
A1 (Gain):	0.312814	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999751	Status:	OK.
Std Error of Est:	0.000248		
Predicted MDL:	0.001234		
Predicted MQL:	0.004115		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00045	.000	1
S1	.01500	.01571	.001	4.75	.00537	.000	1
S2	3.7500	3.9228	.173	4.61	1.2277	.001	1
S3	7.5000	7.6695	.170	2.26	2.3999	.012	1
S4	15.000	15.254	.254	1.69	4.7727	.009	1
S5	30.000	29.403	-.597	-1.99	9.1996	.035	1



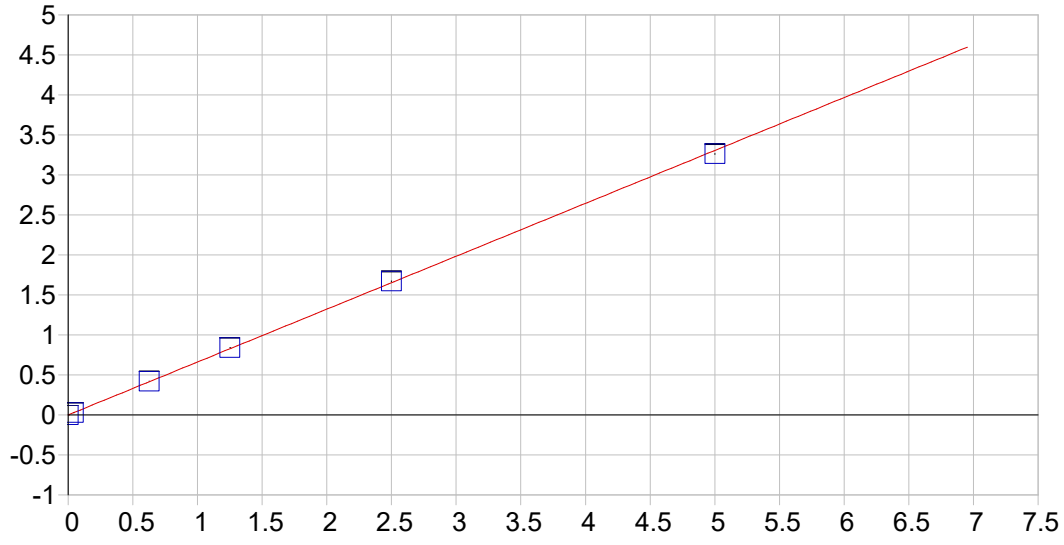
Mg 279.079 {121}

Date of Fit:	10/25/2024 19:52:58	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000056	Re-Slope:	1.000000
A1 (Gain):	0.006776	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999982	Status:	OK.
Std Error of Est:	0.000141		
Predicted MDL:	0.064350		
Predicted MQL:	0.214501		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00025	-.000	.000	-.00006	.000	1
S1	5.0000	5.3304	.330	6.61	.03606	.000	1
S2	62.500	61.655	-.845	-1.35	.41771	.002	1
S3	125.00	123.78	-1.22	-.975	.83868	.004	1
S4	250.00	251.36	1.36	.542	1.7031	.004	1
S5	500.00	501.82	1.82	.363	3.4002	.013	1
S6	800.00	798.56	-1.44	-.180	5.4109	.004	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

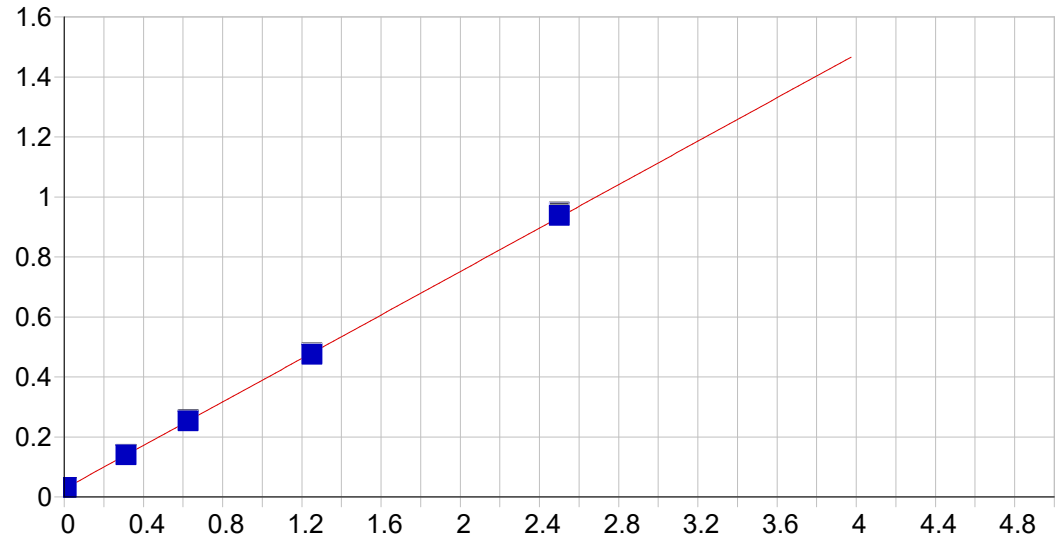


Ni 231.604 {446}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000158	Re-Slope:	1.000000
A1 (Gain):	0.661137	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999889	Status:	OK.
Std Error of Est:	0.000234		
Predicted MDL:	0.000558		
Predicted MQL:	0.001861		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00016	.000	1
S1	.04000	.04328	.003	8.21	.02846	.000	1
S2	.62500	.63830	.013	2.13	.42185	.001	1
S3	1.2500	1.2718	.022	1.75	.84071	.001	1
S4	2.5000	2.5271	.027	1.08	1.6706	.007	1
S5	5.0000	4.9345	-.066	-1.31	3.2622	.007	1



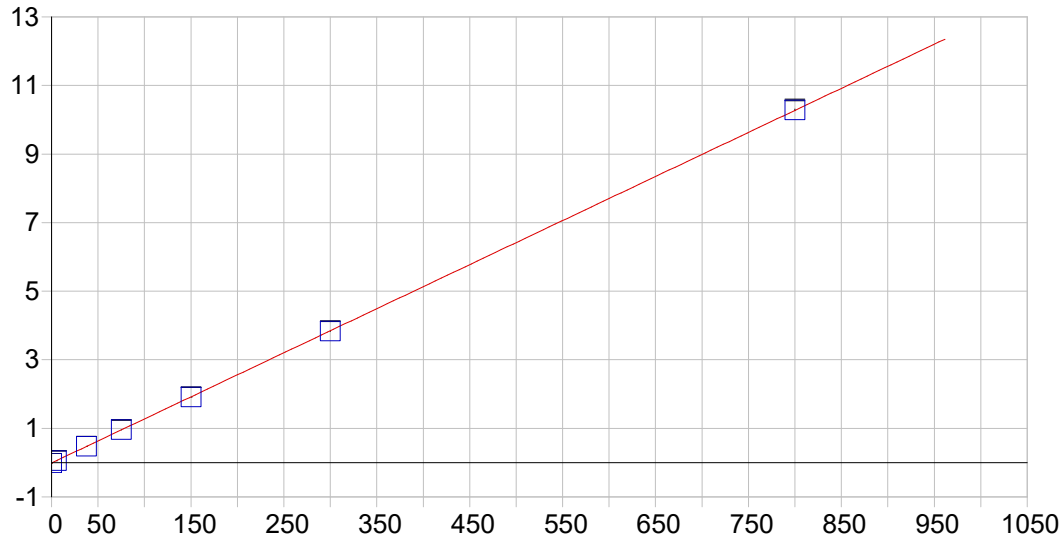
Ag 328.068 {103}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.026912	Re-Slope:	1.000000
A1 (Gain):	0.362165	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999947	Status:	OK.
Std Error of Est:	0.000032		
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	.02691	.000	1
S1	.01000	.01164	.002	16.4	.03112	.000	1
S2	.31250	.31141	-.001	-.347	.14091	.000	1
S3	.62500	.62462	-.000	-.061	.25556	.002	1
S4	1.2500	1.2358	-.014	-1.13	.47936	.001	1
S5	2.5000	2.5140	.014	.561	.94716	.003	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



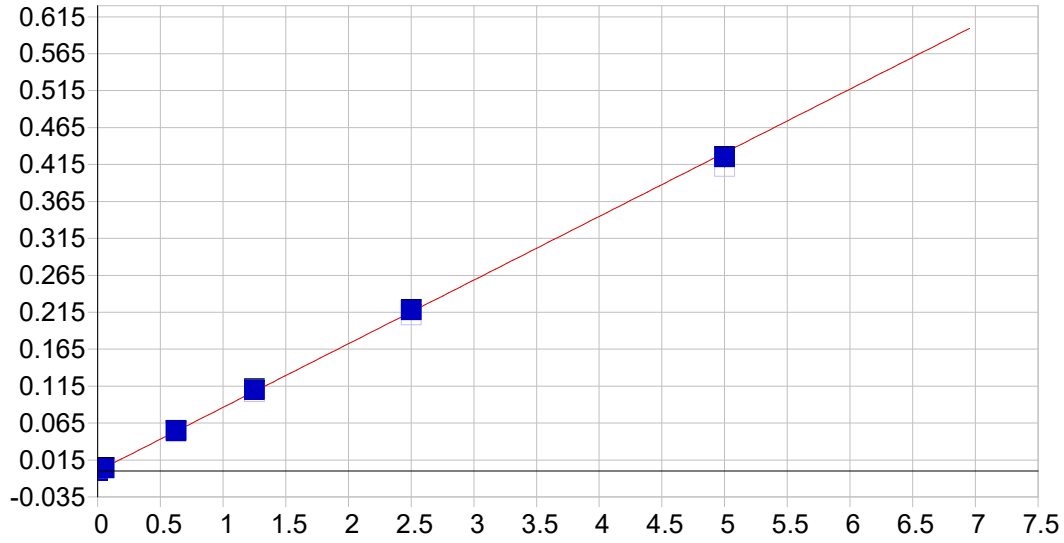
Na 818.326 { 41}

Date of Fit:	10/25/2024 19:52:58	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.010787	Re-Slope:	1.000000
A1 (Gain):	0.012856	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999997	Status:	OK.
Std Error of Est:	0.000091		
Predicted MDL:	0.273282		
Predicted MQL:	0.910941		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00003	-.000	.000	-.01079	.003	1
S1	5.0000	5.0145	.014	.290	.05368	.003	1
S2	37.500	37.703	.203	.540	.47390	.002	1
S3	75.000	75.291	.291	.388	.95713	.004	1
S4	150.00	149.46	-.537	-.358	1.9107	.002	1
S5	300.00	299.20	-.797	-.266	3.8356	.008	1
S6	800.00	800.83	.826	.103	10.284	.024	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



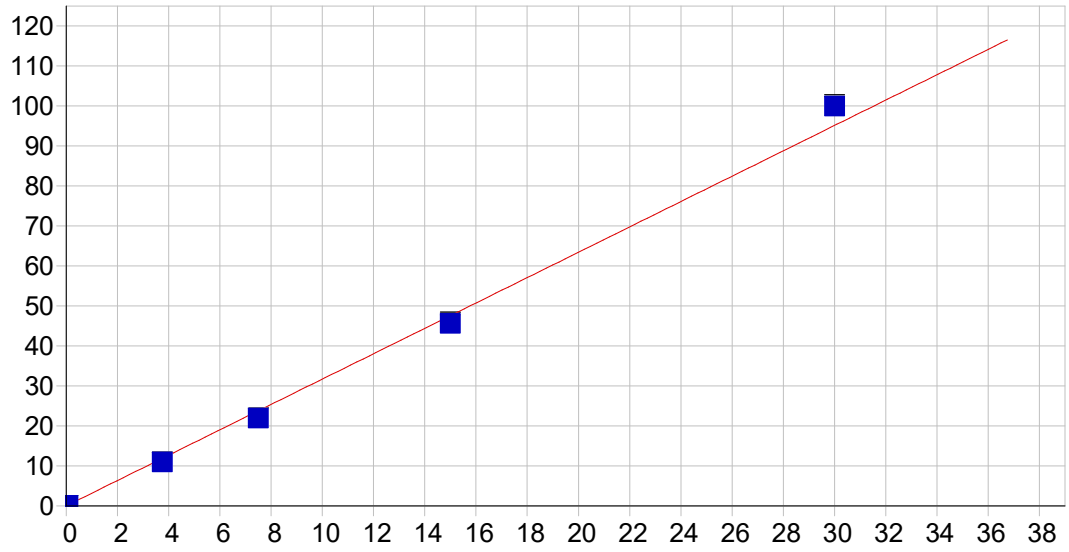
V 292.402 {115}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000049	Re-Slope:	1.000000
A1 (Gain):	0.086195	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999886	Status:	OK.
Std Error of Est:	0.000034		
Predicted MDL:	0.009024		
Predicted MQL:	0.030081		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00005	.000	1
S1	.05000	.04896	-.001	-2.08	.00416	.001	1
S2	.62500	.63376	.009	1.40	.05292	.001	1
S3	1.2500	1.2797	.030	2.37	.10694	.001	1
S4	2.5000	2.5281	.028	1.12	.21124	.001	1
S5	5.0000	4.9345	-.065	-1.31	.41204	.001	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



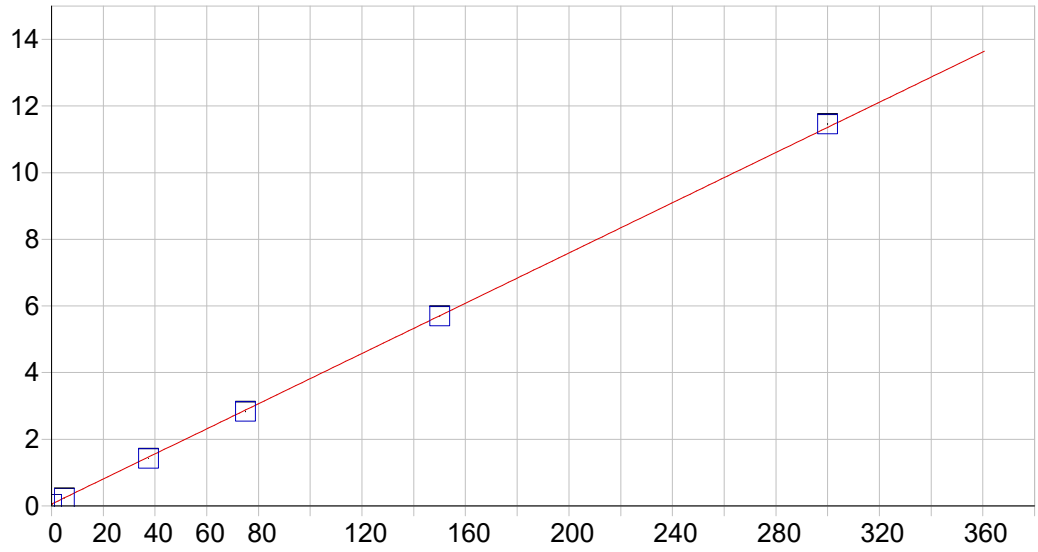
Zn 213.856 {158}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.009395	Re-Slope:	1.000000
A1 (Gain):	3.170963	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998470	Status:	OK.
Std Error of Est:	0.012509		
Predicted MDL:	0.000431		
Predicted MQL:	0.001438		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00944	.001	1
S1	.06000	.05581	-.004	-6.98	.18729	.001	1
S2	3.7500	3.4446	-.305	-8.14	10.946	.023	1
S3	7.5000	6.9158	-.584	-7.79	21.968	.115	1
S4	15.000	14.378	-.622	-4.15	45.659	.339	1
S5	30.000	31.516	1.52	5.05	100.06	.312	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



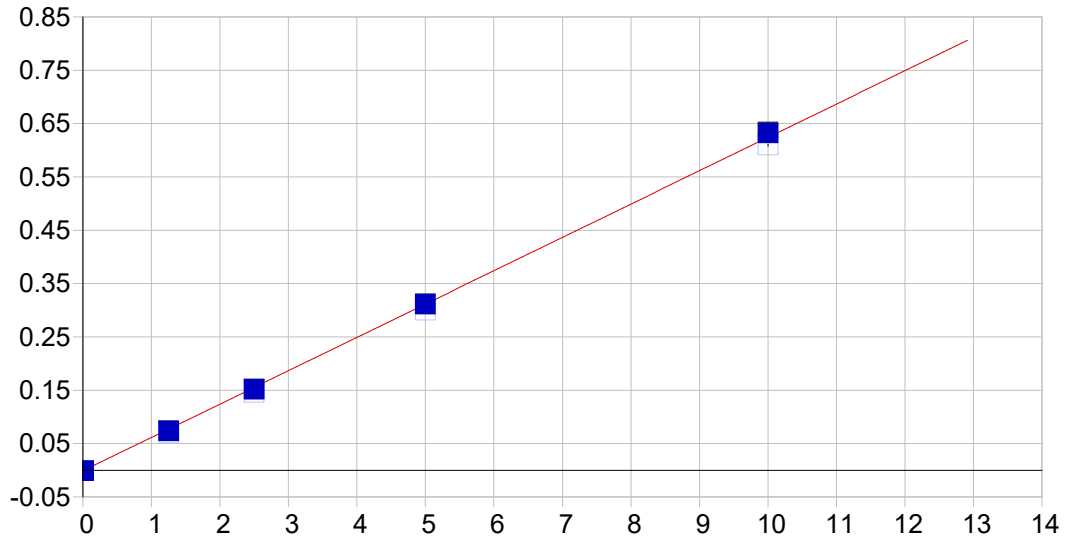
K 769.896 { 44}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.053435	Re-Slope:	1.000000
A1 (Gain):	0.037684	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999929	Status:	OK.
Std Error of Est:	0.000929		
Predicted MDL:	0.121058		
Predicted MQL:	0.403526		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00028	.000	.000	.05345	.001	1
S1	5.0000	4.9181	-.082	-1.64	.23877	.004	1
S2	37.500	36.360	-1.14	-3.04	1.4236	.007	1
S3	75.000	73.773	-1.23	-1.64	2.8335	.010	1
S4	150.00	149.74	-.264	-.176	5.6961	.008	1
S5	300.00	302.71	2.71	.905	11.461	.019	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



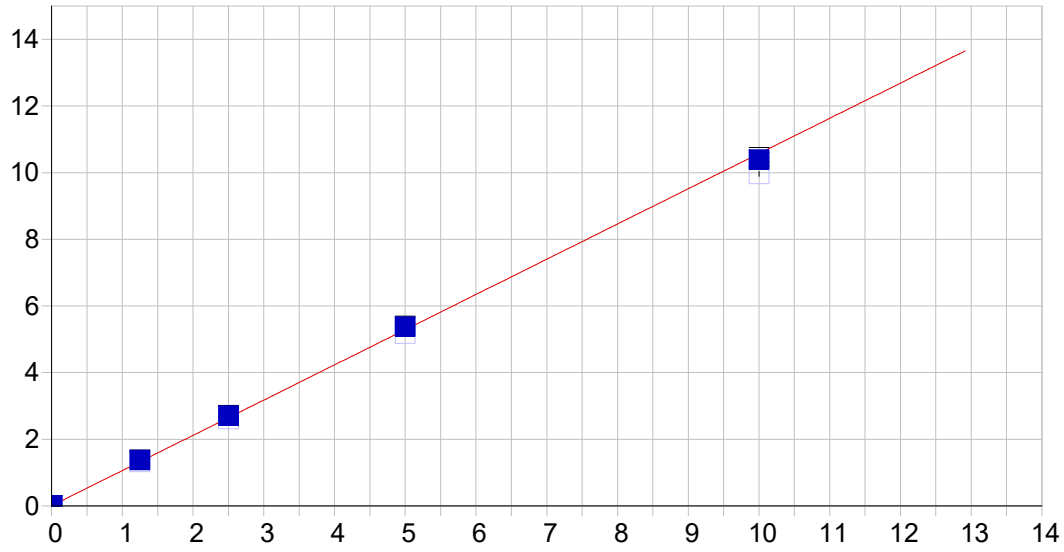
P 177.495 {490}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001011	Re-Slope:	1.000000
A1 (Gain):	0.062512	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999811	Status:	OK.
Std Error of Est:	0.000020		
Predicted MDL:	0.003068		
Predicted MQL:	0.010227		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00101	.000	1
S1	.01000	.00758	-.002	-24.2	-.00055	.000	1
S2	1.2500	1.1903	-.060	-4.78	.07052	.000	1
S3	2.5000	2.4400	-.060	-2.40	.14577	.000	1
S4	5.0000	4.9928	-.007	-.144	.29961	.000	1
S5	10.000	10.129	.129	1.29	.60922	.002	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



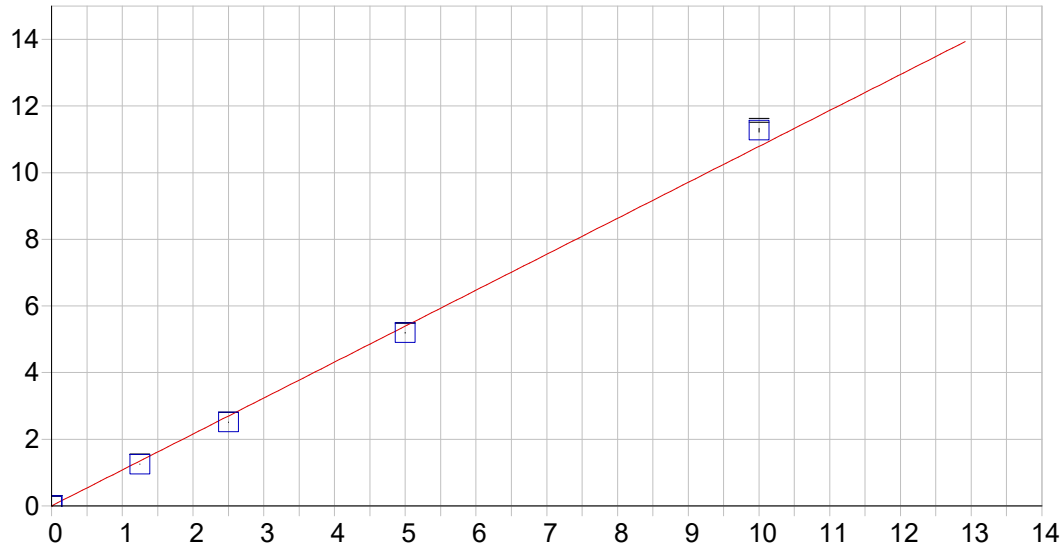
B 249.678 {135}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.003383	Re-Slope:	1.000000
A1 (Gain):	1.057102	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999581	Status:	OK.
Std Error of Est:	0.000492		
Predicted MDL:	0.000995		
Predicted MQL:	0.003316		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00339	.001	1
S1	.01000	.00164	-.008	-83.6	.00502	.000	1
S2	1.2500	1.2962	.046	3.70	1.3203	.002	1
S3	2.5000	2.5554	.055	2.22	2.5981	.008	1
S4	5.0000	5.0839	.084	1.68	5.1643	.018	1
S5	10.000	9.8231	-.177	-1.77	9.9607	.070	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

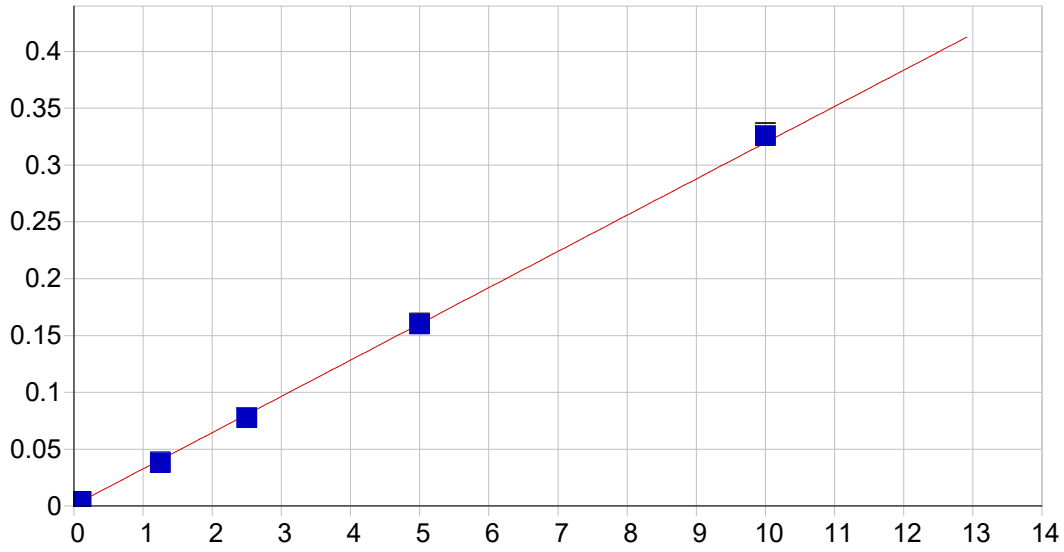


Mo 202.030 {467}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000390	Re-Slope:	1.000000
A1 (Gain):	1.078807	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998785	Status:	OK.
Std Error of Est:	0.000892		
Predicted MDL:	0.000426		
Predicted MQL:	0.001420		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00039	.000	1
S1	.01000	.00913	-.001	-8.67	.01024	.000	1
S2	1.2500	1.1577	-.092	-7.38	1.2494	.004	1
S3	2.5000	2.3281	-.172	-6.87	2.5120	.003	1
S4	5.0000	4.8158	-.184	-3.68	5.1957	.013	1
S5	10.000	10.449	.449	4.49	11.273	.054	1



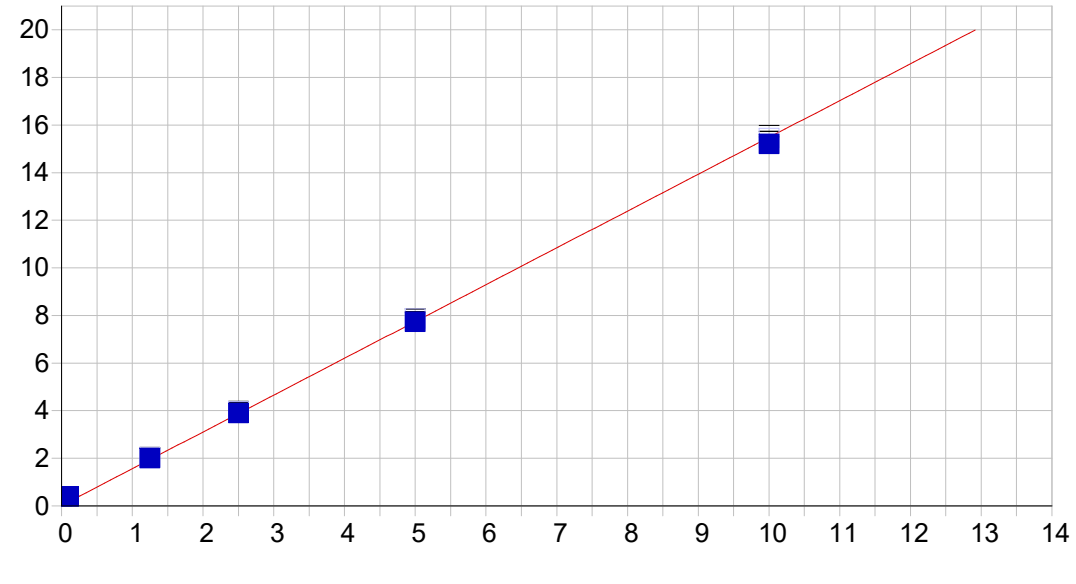
S 182.034 {485}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000719	Re-Slope:	1.000000
A1 (Gain):	0.031901	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999627	Status:	OK.
Std Error of Est:	0.000046		
Predicted MDL:	0.005873		
Predicted MQL:	0.019576		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00072	.000	1
S1	.10000	.08520	-.015	-14.8	.00344	.000	1
S2	1.2500	1.1721	-.078	-6.23	.03812	.000	1
S3	2.5000	2.4079	-.092	-3.68	.07754	.000	1
S4	5.0000	4.9943	-.006	-.113	.16006	.001	1
S5	10.000	10.190	.190	1.90	.32584	.002	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



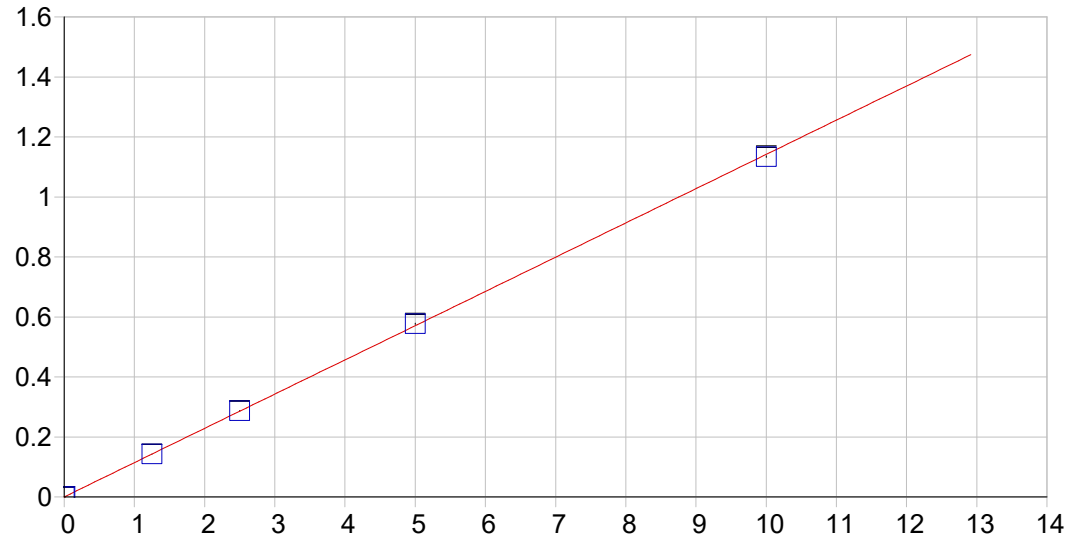
Si 251.611 {134}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.014497	Re-Slope:	1.000000
A1 (Gain):	1.546658	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.994714	Status:	OK.
Std Error of Est:	0.008621		
Predicted MDL:	0.000586		
Predicted MQL:	0.001952		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00014	-.000	.000	.01427	.001	1
S1	.10000	.24234	.142	142.	.39035	.002	1
S2	1.2500	1.2876	.038	3.01	2.0373	.005	1
S3	2.5000	2.5125	.012	.500	3.9630	.019	1
S4	5.0000	4.9912	-.009	-.176	7.8593	.007	1
S5	10.000	9.8176	-.182	-1.82	15.449	.119	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



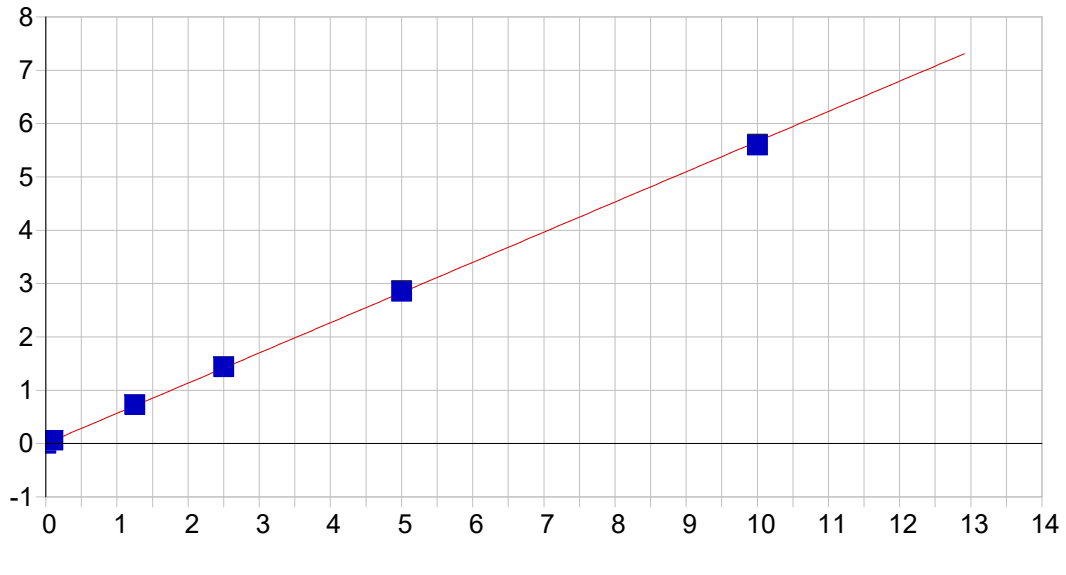
Sn 189.989 {478}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000161	Re-Slope:	1.000000
A1 (Gain):	0.114138	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999973	Status:	OK.
Std Error of Est:	0.000012		
Predicted MDL:	0.001652		
Predicted MQL:	0.005506		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00016	.000	1
S1	.00700	.00680	-.000	-2.82	.00094	.000	1
S2	1.2500	1.2488	-.001	-.093	.14270	.001	1
S3	2.5000	2.5113	.011	.452	.28680	.001	1
S4	5.0000	5.0528	.053	1.06	.57688	.002	1
S5	10.000	9.9372	-.063	-.628	1.1344	.002	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



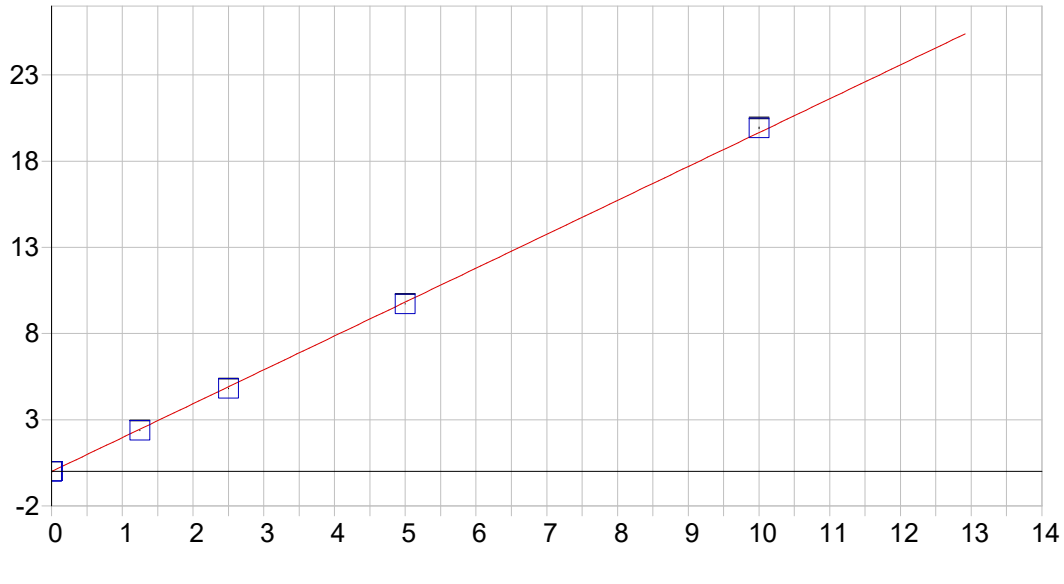
Ti 336.121 {100}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000840	Re-Slope:	1.000000
A1 (Gain):	0.566157	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999908	Status:	OK.
Std Error of Est:	0.000407		
Predicted MDL:	0.001629		
Predicted MQL:	0.005428		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00084	.001	1
S1	.10000	.10293	.003	2.93	.05909	.001	1
S2	1.2500	1.2850	.035	2.80	.72801	.006	1
S3	2.5000	2.5402	.040	1.61	1.4383	.004	1
S4	5.0000	5.0405	.041	.811	2.8532	.008	1
S5	10.000	9.8813	-.119	-1.19	5.5924	.018	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



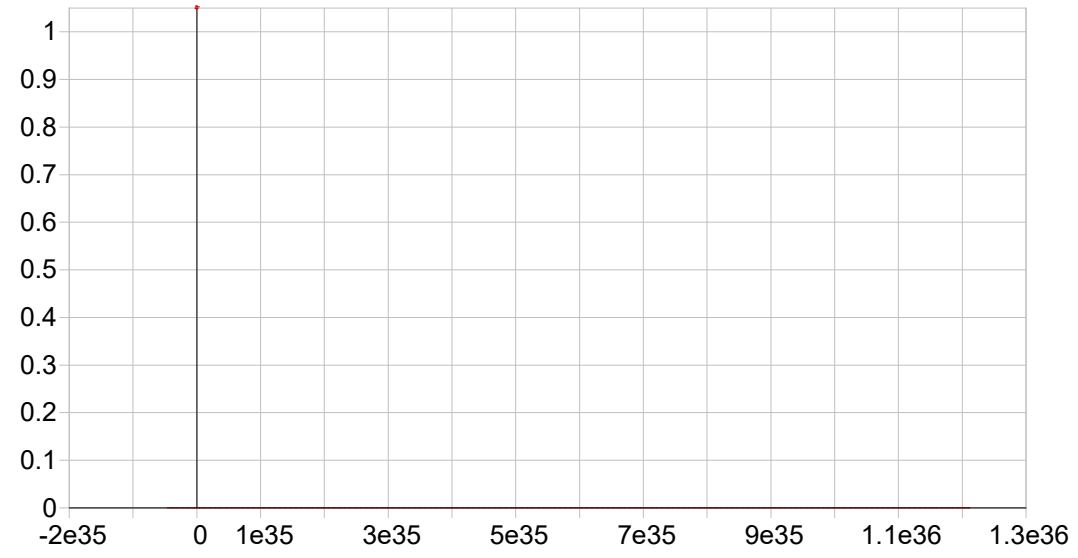
Li 670.784 { 50}

Date of Fit:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.004250	Re-Slope:	1.000000
A1 (Gain):	1.966069	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999869	Status:	OK.
Std Error of Est:	0.000653		
Predicted MDL:	0.001783		
Predicted MQL:	0.005942		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00425	.003	1
S5	10.000	10.142	.142	1.42	19.935	.050	1
S4	5.0000	4.9456	-.054	-1.09	9.7192	.012	1
S3	2.5000	2.4497	-.050	-2.01	4.8121	.021	1
S2	1.2500	1.2115	-.039	-3.08	2.3776	.019	1
S1	.01500	.01630	.001	8.65	.02779	.002	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

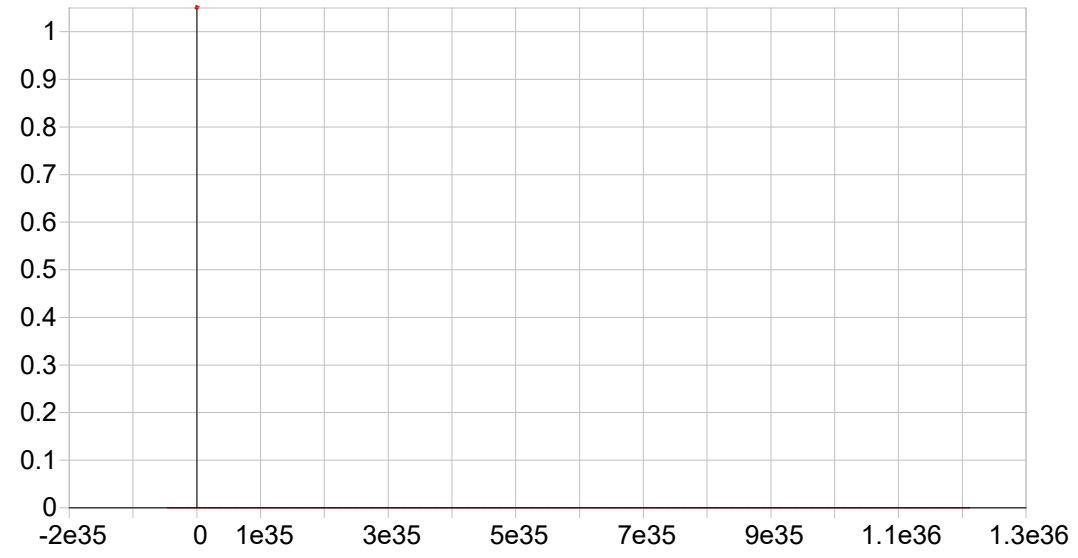


Y 224.306 {450}*

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

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

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



Y 360.073 { 94}*

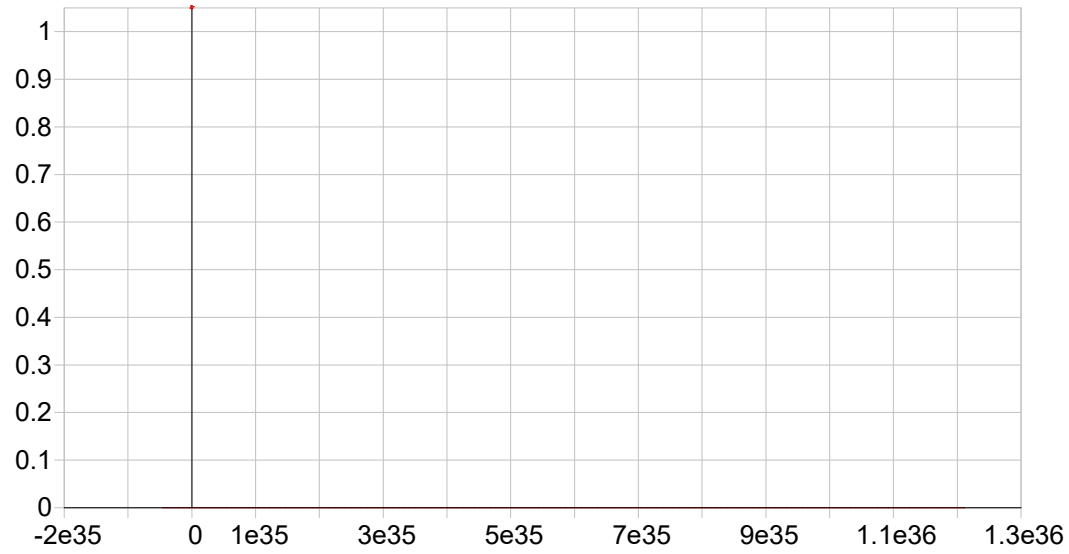
Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

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

Reviewed By:jaswal
On:10/30/2024 6:08:53 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



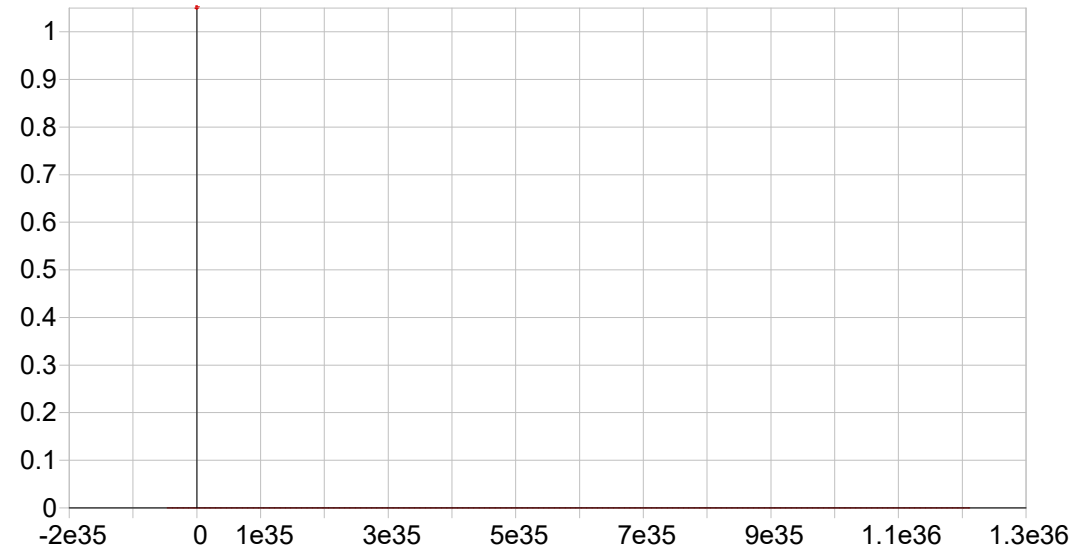
Y 371.030 { 91}*

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

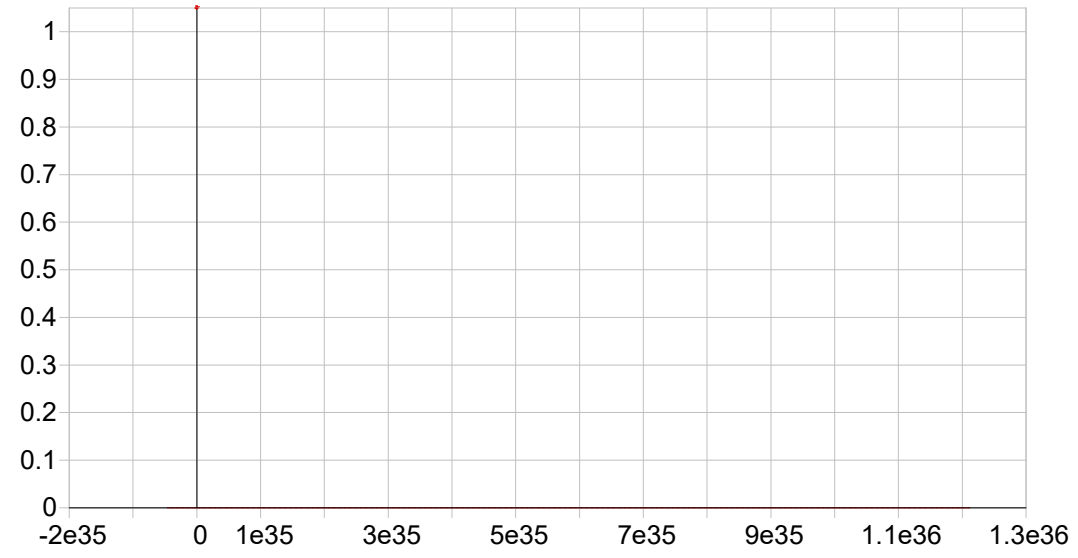
Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5



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



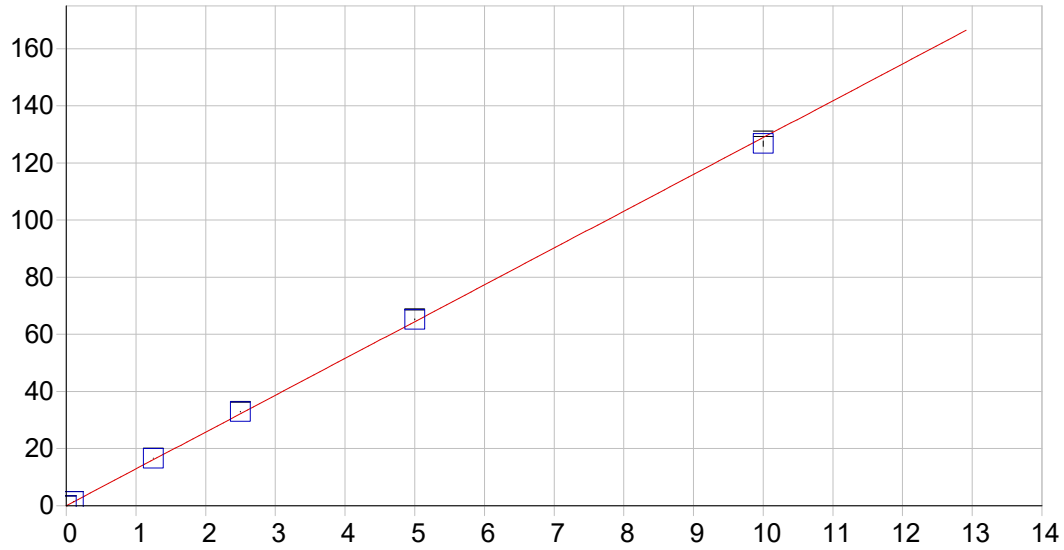
In 230.606 {446}*

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:jaswal
On:10/30/2024 6:08:53 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:	10/25/2024 19:48:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.003238	Re-Slope:	1.000000
A1 (Gain):	12.889235	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999821	Status:	OK.
Std Error of Est:	0.012977		
Predicted MDL:	0.000115		
Predicted MQL:	0.000383		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00305	.001	1
S1	.10000	.10958	.010	9.58	1.4157	.008	1
S2	1.2500	1.2879	.038	3.03	16.603	.050	1
S3	2.5000	2.5554	.055	2.22	32.940	.109	1
S4	5.0000	5.0617	.062	1.23	65.245	.170	1
S5	10.000	9.8354	-.165	-1.65	126.77	.912	1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: S0 Acquired: 10/25/2024 19:21:49 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) 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	-.00005	-.00005	-.00086	.00030	.00051	.01077	.03105	-.00197
Stddev	.00018	.00009	.00029	.00019	.00047	.00091	.00387	.00098
%RSD	383.15	167.21	33.398	64.432	92.851	8.4427	12.470	49.414
#1	-.00023	-.00012	-.00085	.00031	.00006	.01180	.03419	-.00211
#2	-.00004	.00005	-.00058	.00010	.00100	.01044	.03223	-.00094
#3	.00013	-.00008	-.00115	.00048	.00046	.01007	.02672	-.00288

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	.00061	.00755	-.00008	-.00049	.00085	.00129	.00045	-.00006
Stddev	.00019	.00012	.00003	.00003	.00061	.00026	.00029	.00019
%RSD	30.333	1.6066	43.093	5.5136	71.678	20.019	65.696	329.18
#1	.00048	.00744	-.00006	-.00048	.00034	.00150	.00011	-.00017
#2	.00053	.00753	-.00005	-.00047	.00069	.00100	.00064	-.00017
#3	.00083	.00768	-.00012	-.00052	.00153	.00136	.00059	.00016

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	-.00016	.02691	-.01079	-.00005	.00944	.05345	-.00101	.00339
Stddev	.00024	.00011	.00347	.00025	.00102	.00062	.00001	.00072
%RSD	146.82	.39709	32.204	510.90	10.804	1.1654	1.2213	21.112
#1	-.00034	.02698	-.01144	.00010	.01030	.05412	-.00100	.00259
#2	.00011	.02679	-.00703	-.00034	.00969	.05289	-.00102	.00363
#3	-.00025	.02697	-.01389	.00009	.00831	.05333	-.00102	.00396

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	.00039	.00072	.01427	.00016	.00084	-.00425	.00305
Stddev	.00027	.00014	.00055	.00006	.00092	.00348	.00103
%RSD	68.292	19.186	3.8436	36.046	110.15	81.815	33.645
#1	.00023	.00084	.01434	.00018	.00181	-.00810	.00246
#2	.00070	.00057	.01479	.00021	.00071	-.00133	.00424
#3	.00024	.00076	.01370	.00010	-.00001	-.00332	.00246

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: S0 Acquired: 10/25/2024 19:21:49 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) 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	939.45	21720.	2719.3	791.92	1818.5
Stddev	.89	42.	7.1	3.90	1.8
%RSD	.09494	.19430	.26056	.49192	.09893
#1	940.48	21719.	2721.4	792.02	1816.8
#2	938.96	21763.	2711.4	795.76	1818.3
#3	938.90	21679.	2725.1	787.97	1820.4

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: S1 Acquired: 10/25/2024 19:26:28 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) 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	.00030	.00178	.00055	.00268	.01280	.03184	1.3672	.03527
Stddev	.00016	.00010	.00038	.00058	.00034	.00073	.0069	.00110
%RSD	54.756	5.4865	68.816	21.667	2.6364	2.3073	.50669	3.1138
#1	.00033	.00186	.00019	.00314	.01255	.03197	1.3639	.03417
#2	.00012	.00180	.00051	.00287	.01266	.03249	1.3626	.03527
#3	.00045	.00167	.00094	.00203	.01318	.03104	1.3752	.03637

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	.01214	.44986	.00215	.03539	.00696	.00245	.00537	.03606
Stddev	.00014	.00448	.00003	.00028	.00085	.00007	.00040	.00027
%RSD	1.1522	.99570	1.4821	.79210	12.204	2.9284	7.4903	.75710
#1	.01208	.44606	.00212	.03541	.00689	.00253	.00578	.03576
#2	.01204	.44872	.00219	.03510	.00785	.00242	.00537	.03613
#3	.01230	.45480	.00215	.03566	.00615	.00240	.00497	.03629

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	.02846	.03112	.05368	.00416	.18729	.23877	-.00055	.00502
Stddev	.00011	.00011	.00322	.00072	.00142	.00389	.00008	.00018
%RSD	.37233	.36516	6.0032	17.272	.75557	1.6274	14.649	3.5109
#1	.02854	.03103	.05021	.00385	.18627	.23484	-.00063	.00507
#2	.02850	.03124	.05423	.00365	.18670	.23885	-.00056	.00516
#3	.02834	.03107	.05659	.00498	.18891	.24261	-.00047	.00482

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	.01024	.00344	.39035	.00094	.05909	.02779	1.4157
Stddev	.00017	.00025	.00172	.00019	.00118	.00171	.0080
%RSD	1.6879	7.1468	.44011	20.245	1.9927	6.1491	.56369
#1	.01026	.00328	.39045	.00109	.05836	.02606	1.4073
#2	.01041	.00372	.38859	.00100	.05846	.02948	1.4164
#3	.01006	.00331	.39202	.00072	.06045	.02783	1.4232

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: S1 Acquired: 10/25/2024 19:26:28 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) 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	936.91	21720.	2687.9	791.90	1798.8
Stddev	.80	60.	8.1	2.34	1.6
%RSD	.08508	.27436	.30309	.29612	.08848
#1	936.39	21719.	2682.5	791.30	1799.2
#2	937.83	21662.	2697.2	789.91	1800.2
#3	936.52	21781.	2683.8	794.49	1797.1

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: S2 Acquired: 10/25/2024 19:31:03 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) 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	.04657	.10642	1.0199	.10351	.26066	4.7581	15.709	.88076
Stddev	.00017	.00048	.0031	.00071	.00099	.0277	.024	.00518
%RSD	.35690	.44752	.30367	.68530	.38150	.58258	.15004	.58813
#1	.04655	.10658	1.0175	.10400	.26075	4.7379	15.699	.88156
#2	.04641	.10588	1.0188	.10270	.25963	4.7897	15.736	.88550
#3	.04674	.10679	1.0234	.10384	.26161	4.7467	15.692	.87523

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	1.4834	5.1652	.87600	.44161	.78626	.62143	1.2277	.41771
Stddev	.0026	.0297	.00297	.00028	.00346	.00327	.0011	.00201
%RSD	.17709	.57536	.33918	.06375	.44010	.52677	.08643	.48007
#1	1.4822	5.1315	.87413	.44163	.78347	.61881	1.2281	.41541
#2	1.4815	5.1879	.87445	.44132	.79013	.62510	1.2285	.41910
#3	1.4864	5.1762	.87943	.44188	.78518	.62039	1.2265	.41862

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	.42185	.14091	.47390	.05292	10.946	1.4236	.07052	1.3203
Stddev	.00088	.00044	.00246	.00058	.023	.0069	.00024	.0018
%RSD	.20895	.31073	.51941	1.1039	.20956	.48350	.33454	.13373
#1	.42097	.14056	.47674	.05226	10.973	1.4170	.07073	1.3192
#2	.42185	.14079	.47267	.05335	10.931	1.4307	.07027	1.3223
#3	.42273	.14140	.47230	.05316	10.936	1.4231	.07057	1.3193

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	1.2494	.03812	2.0373	.14270	.72801	2.3776	16.603
Stddev	.0045	.00039	.0050	.00065	.00580	.0194	.050
%RSD	.35755	1.0283	.24287	.45709	.79687	.81552	.30274
#1	1.2470	.03785	2.0375	.14283	.72205	2.3614	16.567
#2	1.2466	.03857	2.0422	.14200	.73364	2.3991	16.660
#3	1.2545	.03793	2.0323	.14328	.72833	2.3724	16.581

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: S2 Acquired: 10/25/2024 19:31:03 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) 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	896.18	21660.	2725.5	756.51	1658.4
Stddev	1.06	34.	4.9	2.22	.9
%RSD	.11849	.15467	.17893	.29409	.05617
#1	895.50	21635.	2726.2	753.96	1657.9
#2	897.40	21698.	2720.2	757.52	1659.5
#3	895.63	21647.	2729.9	758.06	1657.9

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: S3 Acquired: 10/25/2024 19:35:18 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) 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	.09560	.20875	2.0373	.20927	.52863	9.4283	31.264	1.7450
Stddev	.00016	.00118	.0030	.00018	.00197	.0240	.116	.0156
%RSD	.17166	.56492	.14785	.08551	.37252	.25434	.36958	.89584
#1	.09541	.20746	2.0343	.20910	.53070	9.4302	31.150	1.7540
#2	.09570	.20978	2.0404	.20946	.52677	9.4513	31.381	1.7540
#3	.09569	.20902	2.0371	.20926	.52842	9.4034	31.263	1.7269

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	2.9539	10.238	1.7056	.88425	1.5512	1.2216	2.3999	.83868
Stddev	.0046	.045	.0038	.00051	.0044	.0052	.0118	.00406
%RSD	.15506	.44002	.22431	.05748	.28504	.42341	.49169	.48441
#1	2.9486	10.254	1.7078	.88368	1.5490	1.2255	2.3868	.83873
#2	2.9566	10.273	1.7012	.88440	1.5563	1.2237	2.4097	.84272
#3	2.9565	10.187	1.7079	.88466	1.5483	1.2158	2.4033	.83459

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	.84071	.25556	.95713	.10694	21.968	2.8335	.14577	2.5981
Stddev	.00112	.00154	.00405	.00102	.115	.0104	.00039	.0082
%RSD	.13290	.60347	.42266	.95273	.52477	.36639	.26594	.31540
#1	.83958	.25734	.95989	.10591	21.848	2.8240	.14598	2.6018
#2	.84182	.25475	.95901	.10795	21.977	2.8446	.14601	2.6038
#3	.84071	.25460	.95248	.10696	22.078	2.8318	.14532	2.5887

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	2.5120	.07754	3.9630	.28680	1.4383	4.8121	32.940
Stddev	.0025	.00020	.0193	.00076	.0042	.0212	.109
%RSD	.09960	.25758	.48617	.26436	.29110	.44031	.33021
#1	2.5109	.07765	3.9774	.28723	1.4403	4.8208	32.851
#2	2.5102	.07766	3.9705	.28724	1.4411	4.8276	33.061
#3	2.5149	.07731	3.9411	.28592	1.4335	4.7880	32.908

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: S3 Acquired: 10/25/2024 19:35:18 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) 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	854.31	21236.	2702.3	708.62	1569.9
Stddev	.67	73.	8.7	2.86	2.1
%RSD	.07896	.34357	.32336	.40325	.13062
#1	853.91	21158.	2696.8	711.22	1571.3
#2	855.09	21304.	2697.6	709.09	1567.6
#3	853.93	21245.	2712.3	705.56	1570.9

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: S4 Acquired: 10/25/2024 19:39:32 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) 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	.19360	.40918	4.0532	.43176	1.1074	18.982	62.835	3.4189
Stddev	.00088	.00022	.0088	.00049	.0048	.043	.195	.0120
%RSD	.45634	.05329	.21700	.11285	.43379	.22883	.31083	.34942
#1	.19377	.40937	4.0518	.43121	1.1039	18.976	62.831	3.4327
#2	.19265	.40895	4.0452	.43193	1.1055	19.028	63.032	3.4113
#3	.19440	.40923	4.0627	.43215	1.1129	18.942	62.641	3.4128

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	5.8384	20.229	3.3594	1.7656	3.1068	2.3768	4.7727	1.7031
Stddev	.0172	.044	.0029	.0059	.0081	.0014	.0087	.0042
%RSD	.29484	.21706	.08728	.33355	.26232	.05798	.18225	.24606
#1	5.8437	20.255	3.3565	1.7669	3.1083	2.3761	4.7705	1.7028
#2	5.8192	20.255	3.3593	1.7592	3.1140	2.3784	4.7824	1.7075
#3	5.8524	20.179	3.3624	1.7708	3.0980	2.3760	4.7654	1.6991

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	1.6706	.47936	1.9107	.21124	45.659	5.6961	.29961	5.1643
Stddev	.0070	.00103	.0020	.00090	.339	.0076	.00049	.0181
%RSD	.41662	.21406	.10319	.42712	.74162	.13257	.16338	.34979
#1	1.6737	.47887	1.9116	.21225	45.271	5.6996	.29931	5.1485
#2	1.6626	.48054	1.9119	.21098	45.806	5.7013	.29934	5.1840
#3	1.6754	.47867	1.9084	.21050	45.899	5.6874	.30017	5.1604

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	5.1957	.16006	7.8593	.57688	2.8532	9.7192	65.245
Stddev	.0130	.00079	.0066	.00218	.0078	.0124	.170
%RSD	.24972	.49622	.08421	.37708	.27492	.12750	.26013
#1	5.1852	.16002	7.8658	.57726	2.8499	9.7210	65.213
#2	5.1916	.15929	7.8594	.57454	2.8621	9.7306	65.094
#3	5.2102	.16087	7.8526	.57884	2.8475	9.7060	65.429

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: S4 Acquired: 10/25/2024 19:39:32 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) 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	778.95	20429.	2604.0	624.65	1461.1
Stddev	1.88	24.	7.2	4.90	3.4
%RSD	.24074	.11521	.27696	.78394	.23543
#1	780.07	20446.	2604.0	630.19	1461.1
#2	780.00	20402.	2596.8	620.93	1464.6
#3	776.79	20438.	2611.2	622.81	1457.8

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: S5 Acquired: 10/25/2024 19:43:55 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) 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	.39544	.78310	8.0279	.94379	2.4770	38.212	122.75	6.6718
Stddev	.00029	.00094	.0253	.00123	.0150	.071	.41	.0394
%RSD	.07297	.11971	.31552	.12987	.60414	.18712	.33580	.59000
#1	.39576	.78207	8.0018	.94443	2.4647	38.205	122.51	6.6731
#2	.39538	.78331	8.0294	.94238	2.4725	38.144	122.52	6.6318
#3	.39519	.78391	8.0524	.94456	2.4936	38.286	123.23	6.7105

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	11.356	39.729	6.5207	3.4755	6.1360	4.5784	9.1996	3.4002
Stddev	.033	.146	.0064	.0111	.0175	.0095	.0348	.0125
%RSD	.28834	.36814	.09836	.31839	.28458	.20804	.37849	.36764
#1	11.323	39.725	6.5222	3.4646	6.1256	4.5763	9.1989	3.3964
#2	11.359	39.586	6.5261	3.4753	6.1263	4.5702	9.1651	3.3901
#3	11.388	39.878	6.5136	3.4867	6.1562	4.5889	9.2348	3.4142

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	3.2622	.94716	3.8356	.41204	100.06	11.461	.60922	9.9607
Stddev	.0066	.00251	.0076	.00055	.31	.019	.00173	.0698
%RSD	.20164	.26474	.19802	.13250	.31194	.16417	.28449	.70109
#1	3.2560	.94915	3.8392	.41147	99.808	11.443	.60734	9.9091
#2	3.2615	.94434	3.8269	.41210	99.964	11.460	.61076	9.9329
#3	3.2691	.94798	3.8408	.41256	100.41	11.480	.60956	10.040

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	11.273	.32584	15.449	1.1344	5.5924	19.935	126.77
Stddev	.054	.00249	.119	.0024	.0176	.050	.91
%RSD	.48044	.76527	.76740	.21264	.31456	.25059	.71929
#1	11.227	.32310	15.373	1.1320	5.5950	19.943	126.05
#2	11.259	.32642	15.389	1.1342	5.5736	19.882	126.48
#3	11.333	.32799	15.586	1.1368	5.6085	19.981	127.80

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: S5 Acquired: 10/25/2024 19:43:55 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) 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	667.39	19653.	2556.4	496.60	1357.0
Stddev	3.09	19.	16.1	1.49	4.4
%RSD	.46329	.09459	.63095	.30008	.32158
#1	669.66	19646.	2567.8	497.58	1361.0
#2	668.64	19640.	2563.4	497.33	1357.7
#3	663.87	19674.	2537.9	494.88	1352.3

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: S6 Acquired: 10/25/2024 19:48:20 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) 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	98.457	62.345	11.769	5.4109	10.284
Stddev	.280	.123	.028	.0039	.024
%RSD	.28397	.19791	.23527	.07250	.22875
#1	98.215	62.478	11.797	5.4135	10.299
#2	98.763	62.323	11.767	5.4129	10.297
#3	98.394	62.234	11.742	5.4064	10.257

Int. Std.	Y_3710
Units	Cts/S
Avg	2519.1
Stddev	6.0
%RSD	.23917
#1	2514.7
#2	2516.7
#3	2526.0

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: ICV001 Acquired: 10/25/2024 19:53:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.027522	1.012621	.9770539	1.060301	1.082634	2.266892
Stddev	.009530	.003661	.0010421	.000454	.003717	.015689
%RSD	.9275164	.3615198	.1066538	.0428492	.3432883	.6921097
#1	1.038480	1.013927	.9758542	1.060373	1.078974	2.267780
#2	1.022924	1.008486	.9777335	1.060714	1.086405	2.282119
#3	1.021163	1.015449	.9775740	1.059814	1.082523	2.250778

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5071198	.5295631	.4798542	10.09039	.5532329	.4928492
Stddev	.0016305	.0006842	.0004852	.02977	.0019729	.0012968
%RSD	.3215275	.1292075	.1011233	.2950235	.3566098	.2631238
#1	.5061404	.5289477	.4794387	10.09558	.5509797	.4916742
#2	.5090021	.5302999	.4797363	10.11722	.5546506	.4926329
#3	.5062170	.5294417	.4803875	10.05836	.5540684	.4942406

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4897321	10.92565	.5283765	5.467466	.5043284	.2410471
Stddev	.0031313	.01936	.0030937	.102643	.0010259	.0005179
%RSD	.6393948	.1771725	.5855083	1.877335	.2034160	.2148402
#1	.4862026	10.93067	.5251953	5.573243	.5044321	.2412031
#2	.4921764	10.90428	.5313745	5.460881	.5032546	.2414691
#3	.4908174	10.94200	.5285598	5.368275	.5052985	.2404692

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.988818	.5217548	1.042568	9.660322	F .0046855	F .0217000
Stddev	.118504	.0137847	.002383	.096421	.0033416	.0016765
%RSD	1.186367	2.641993	.2285802	.9981086	71.31963	7.725795
#1	9.950156	.5118138	1.044394	9.555568	.0085387	.0215749
#2	10.12182	.5159595	1.043439	9.745362	.0029357	.0234355
#3	9.89447	.5374910	1.039872	9.680035	.0025820	.0200895

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: ICV001 Acquired: 10/25/2024 19:53:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV001 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.000371	F -.009016	F .0006600	F -.000576	F .0001142	F .0075500
Stddev	.000170	.003075	.0005106	.001519	.0017690	.0010415
%RSD	45.87240	34.10710	77.36233	263.7712	1549.231	13.79418
#1	-.000234	-.009330	.0007011	.001056	-.001332	.0064418
#2	-.000316	-.005796	.0011488	-.001949	-.000412	.0076996
#3	-.000561	-.011923	.0001301	-.000834	.002087	.0085085

Elem	Sr4077
Units	ppm
Avg	F .0010464
Stddev	.0000428
%RSD	4.086361
#1	.0010869
#2	.0010504
#3	.0010017

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	934.2899	21938.78	2694.107	797.3218	1787.529
Stddev	1.7454	16.26	2.987	1.8949	2.838
%RSD	.1868114	.0741026	.1108652	.2376641	.1587455
#1	936.2428	21925.12	2694.530	795.1889	1788.020
#2	932.8823	21956.76	2690.932	797.9657	1790.089
#3	933.7446	21934.46	2696.860	798.8110	1784.478

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: ICB001 Acquired: 10/25/2024 19:57:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025572	-.003382	.0002216	-.002008	-.001334	-.096297	-.000645
Stddev	.0003476	.003478	.0030604	.004100	.000941	.006732	.001535
%RSD	13.59180	102.8383	1380.789	204.1906	70.50620	6.991212	237.9013
#1	.0023759	-.002344	-.002378	-.000924	-.000291	-.099844	.000093
#2	.0023377	-.000541	-.000552	.001441	-.002117	-.100514	-.002409
#3	.0029579	-.007261	.003595	-.006542	-.001595	-.088533	.000381

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000079	-.000059	-.057125	-.000813	.0003131	.0022612	-.060906
Stddev	.000006	.000092	.021881	.000307	.0003495	.0011862	.018767
%RSD	7.331812	155.6890	38.30372	37.73542	111.6340	52.45939	30.81324
#1	-.000073	-.000002	-.035414	-.000736	.0006500	.0033388	-.071392
#2	-.000080	-.000165	-.079173	-.001150	-.000048	.0024548	-.039239
#3	-.000085	-.000010	-.056788	-.000551	.000337	.0009901	-.072086

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001713	-.029335	-.000514	-.000262	.2537041	-.003399	-.002019
Stddev	.001950	.067810	.000180	.000257	.1813354	.005014	.000918
%RSD	113.8799	231.1552	35.02141	98.26824	71.47513	147.5314	45.49576
#1	-.003248	-.006283	-.000671	-.000540	.1574191	.001868	-.001575
#2	.000482	.023943	-.000555	-.000033	.1408205	-.003950	-.001407
#3	-.002371	-.105667	-.000317	-.000213	.4628727	-.008115	-.003075

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4001705	.0003245	.0075401	-.000504	-.014912	-.001586	.0002348
Stddev	.0938398	.0023851	.0012208	.000222	.001855	.000124	.0014843
%RSD	23.44996	734.9367	16.19079	44.01099	12.43821	7.818015	632.0490
#1	.4907126	-.002001	.0061339	-.000633	-.012781	-.001595	.0019487
#2	.4064505	.000210	.0083293	-.000631	-.015790	-.001457	-.000625
#3	.3033484	.002765	.0081570	-.000248	-.016165	-.001705	-.000619

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: ICB001 Acquired: 10/25/2024 19:57:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB001 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000136	.0087124	-.000235
Stddev	.001231	.0012082	.000048
%RSD	908.2207	13.86791	20.56736
#1	-.001516	.0096360	-.000238
#2	.000262	.0073450	-.000282
#3	.000848	.0091562	-.000186

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	954.4878	22013.87	2691.713	804.0112	1852.219
Stddev	1.0781	24.37	17.326	2.5103	2.713
%RSD	.1129484	.1107137	.6436792	.3122204	.1464852
#1	953.2491	21992.31	2672.171	805.0200	1849.093
#2	955.0003	22040.31	2697.771	805.8601	1853.958
#3	955.2141	22008.98	2705.196	801.1534	1853.606

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: ICSA001 Acquired: 10/25/2024 20:02:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018695	-.019157	.0038249	-.000766	-.000992	235.1652
Stddev	.0014451	.003722	.0013401	.012494	.002817	.6068
%RSD	77.29820	19.43046	35.03719	1631.605	283.8865	.2580395
#1	.0019738	-.022876	.0053704	-.007109	.002055	234.7077
#2	.0032596	-.019163	.0031190	-.008815	-.001530	235.8536
#3	.0003751	-.015432	.0029853	.013627	-.003503	234.9344

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049219	.0011989	.0010532	243.0171	.0503997	.0013449
Stddev	.0011234	.0001269	.0002368	.7865	.0006124	.0006672
%RSD	22.82413	10.58289	22.48721	.3236326	1.215085	49.60482
#1	.0037631	.0013349	.0013067	242.1681	.0502225	.0014814
#2	.0049963	.0011781	.0010154	243.7208	.0510812	.0006201
#3	.0060062	.0010837	.0008375	243.1623	.0498955	.0019334

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016232	102.3657	.0083231	238.8901	.0032460	.0035565
Stddev	.0022753	.0184	.0015248	.8897	.0004802	.0003856
%RSD	140.1728	.0180012	18.31981	.3724502	14.79322	10.84086
#1	.0024977	102.3454	.0083258	237.8638	.0027195	.0035009
#2	.0033314	102.3705	.0067970	239.3626	.0036598	.0032018
#3	-.000960	102.3813	.0098466	239.4439	.0033587	.0039668

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4393055	-.000638	.0091891	.2045891	.0060049	F .1091823
Stddev	.2484594	.007318	.0006826	.0700721	.0047893	.0015219
%RSD	56.55731	1146.475	7.428688	34.25018	79.75532	1.393868
#1	.7209318	.002660	.0085712	.2705883	.0113990	.1108163
#2	.3458956	.004450	.0090741	.2121256	.0022517	.1078053
#3	.2510892	-.009025	.0099219	.1310533	.0043641	.1089254

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: ICSA001 Acquired: 10/25/2024 20:02:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA001 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000535	-.007387	-.001788	-.003295	-.000912	.0075559
Stddev	.001023	.001533	.000512	.000809	.000978	.0015899
%RSD	191.1936	20.75107	28.63696	24.54725	107.3275	21.04258
#1	-.000319	-.008787	-.001614	-.002513	-.001953	.0088063
#2	.000363	-.007625	-.002365	-.003242	-.000011	.0057665
#3	-.001649	-.005749	-.001386	-.004128	-.000771	.0080947

Elem	Sr4077
Units	ppm
Avg	F .1009781
Stddev	.0003030
%RSD	.3000524
#1	.1013223
#2	.1008599
#3	.1007519

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	883.9425	20714.87	2626.551	745.0840	1545.288
Stddev	.4403	54.72	9.861	2.3236	1.936
%RSD	.0498161	.2641565	.3754440	.3118557	.1252668
#1	884.0874	20723.78	2635.339	742.6324	1543.279
#2	883.4479	20764.59	2615.886	747.2538	1545.445
#3	884.2921	20656.24	2628.427	745.3658	1547.141

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: ICSAB001 Acquired: 10/25/2024 20:17:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0907096	.0840554	.0503687	.0451550	.5433609	244.6560
Stddev	.0025517	.0030192	.0049220	.0052542	.0089797	1.2965
%RSD	2.813010	3.591865	9.771961	11.63599	1.652612	.5299229
#1	.0881797	.0871791	.0447178	.0506151	.5392672	243.4945
#2	.0932825	.0838341	.0526684	.0447155	.5371575	246.0547
#3	.0906666	.0811529	.0537199	.0401343	.5536579	244.4189

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5263870	.5363746	.9885212	254.3390	.6041611	.5122291
Stddev	.0020081	.0056754	.0003647	1.6237	.0023830	.0015048
%RSD	.3814871	1.058112	.0368920	.6383912	.3944345	.2937723
#1	.5250481	.5299153	.9884299	252.7910	.6058488	.5106968
#2	.5286959	.5405627	.9882108	256.0290	.6051994	.5122859
#3	.5254169	.5386458	.9889228	254.1970	.6014351	.5137048

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4955806	107.0670	.5384413	248.8652	1.031150	.2065300
Stddev	.0052762	.6977	.0022465	1.9783	.001735	.0014355
%RSD	1.064640	.6516435	.4172197	.7949399	.1682488	.6950601
#1	.4911471	106.6799	.5360913	246.9811	1.029173	.2056751
#2	.5014162	107.8724	.5405676	250.9259	1.032420	.2081873
#3	.4941785	106.6487	.5386649	248.6887	1.031857	.2057276

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2563065	.5292307	.9149360	.1074534	F .0147728	F .1132782
Stddev	.1344694	.0065368	.0042249	.0613625	.0050780	.0011127
%RSD	52.46428	1.235143	.4617721	57.10617	34.37375	.9822893
#1	.1345100	.5300703	.9104240	.1448689	.0132752	.1140855
#2	.4006087	.5353071	.9187987	.0366360	.0106121	.1120089
#3	.2338008	.5223147	.9155852	.1408554	.0204312	.1137403

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: ICSAB001 Acquired: 10/25/2024 20:17:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB001 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000628	-.003491	-.000222	-.003043	-.002786	.0074468
Stddev	.000173	.001851	.000765	.001506	.002816	.0005104
%RSD	27.55755	53.02221	344.2672	49.50152	101.0860	6.853864
#1	-.000542	-.005087	-.000964	-.003148	.000035	.0074982
#2	-.000827	-.001462	.000563	-.001487	-.002796	.0069126
#3	-.000515	-.003924	-.000266	-.004494	-.005597	.0079295

Elem	Sr4077
Units	ppm
Avg	F .1049188
Stddev	.0005900
%RSD	.5623463
#1	.1044261
#2	.1055726
#3	.1047575

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	870.5406	20605.29	2611.927	739.6634	1533.881
Stddev	1.9141	54.69	19.541	2.5592	1.727
%RSD	.2198699	.2654369	.7481451	.3459928	.1126031
#1	869.3399	20573.84	2634.158	742.2966	1532.055
#2	872.7480	20573.58	2597.467	737.1853	1534.097
#3	869.5340	20668.44	2604.155	739.5084	1535.489

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: CCV001 Acquired: 10/25/2024 20:43:46 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.723188	4.687119	23.28747	4.593380	4.569419	392.3116
Stddev	.013651	.027745	.17040	.042147	.037939	.7534
%RSD	.2890292	.5919397	.7317025	.9175554	.8302723	.1920466
#1	4.713772	4.676575	23.25671	4.570540	4.563103	391.5979
#2	4.716947	4.666192	23.13455	4.567582	4.535035	392.2375
#3	4.738844	4.718590	23.47115	4.642017	4.610119	393.0993

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.617946	.4914338	2.280130	389.0695	14.67498	2.375195
Stddev	.015152	.0033089	.016149	2.1697	.02637	.017504
%RSD	.1575416	.6733226	.7082444	.5576720	.1796796	.7369517
#1	9.629396	.4890232	2.275748	387.7804	14.67390	2.373029
#2	9.623678	.4900717	2.266625	387.8536	14.70187	2.358874
#3	9.600764	.4952063	2.298018	391.5746	14.64917	2.393681

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.39313	399.3526	14.23654	390.1513	2.362968	1.200398
Stddev	.04267	1.6041	.01917	1.8674	.018100	.001589
%RSD	.2964780	.4016861	.1346838	.4786377	.7659986	.1323813
#1	14.34467	398.4573	14.22430	388.5813	2.357386	1.200348
#2	14.42509	398.3960	14.22668	389.6562	2.348316	1.202012
#3	14.40963	401.2046	14.25864	392.2164	2.383201	1.198835

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	394.3691	2.378819	13.89008	146.3011	4.791506	5.028045
Stddev	1.6165	.004758	.07167	.4234	.031240	.032603
%RSD	.4099055	.1999990	.5160085	.2894327	.6519791	.6484224
#1	393.0047	2.379690	13.97212	146.1511	4.773766	5.003734
#2	393.9481	2.383081	13.85846	145.9731	4.773174	5.015307
#3	396.1545	2.373686	13.83965	146.7791	4.827576	5.065094

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: CCV001 Acquired: 10/25/2024 20:43:46 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV001 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 4.493511	4.760410	5.013152	4.685665	4.733165	4.997933
Stddev	.034442	.036156	.023977	.029688	.010005	.023308
%RSD	.7664794	.7595167	.4782883	.6336004	.2113861	.4663597
#1	4.484273	4.733251	4.996048	4.684703	4.725337	4.977789
#2	4.464630	4.746529	5.002849	4.656470	4.729719	4.992548
#3	4.531629	4.801449	5.040559	4.715823	4.744437	5.023463

Elem	Sr4077
Units	ppm
Avg	4.922549
Stddev	.002504
%RSD	.0508637
#1	4.922489
#2	4.920076
#3	4.925082

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	752.5908	19833.72	2536.918	612.4527	1390.845
Stddev	4.8469	32.23	12.621	3.1876	9.070
%RSD	.6440334	.1624836	.4974902	.5204720	.6521024
#1	753.7089	19811.30	2543.931	608.7737	1390.828
#2	756.7809	19819.21	2544.475	614.3920	1399.924
#3	747.2825	19870.65	2522.348	614.1923	1381.785

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: CCB001 Acquired: 10/25/2024 20:47:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001285	-.004138	.0017235	-.002671	-.000903	-.107984	-.000329
Stddev	.001910	.002027	.0021551	.004888	.002013	.003805	.000671
%RSD	148.5646	48.99495	125.0409	183.0439	222.9847	3.523305	203.6990
#1	.000235	-.005156	.0013291	-.000059	-.001937	-.108259	-.000057
#2	-.000662	-.005453	-.000207	.000357	.001417	-.111643	-.001094
#3	-.003429	-.001803	.004049	-.008310	-.002188	-.104049	.000162

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000132	-.000067	-.036437	-.000352	-.000035	.0044122	-.051468
Stddev	.000146	.000112	.030456	.000125	.000134	.0057811	.022471
%RSD	111.2065	167.0989	83.58702	35.34906	379.7829	131.0243	43.65961
#1	-.000175	-.000190	-.071265	-.000478	-.000038	.0055542	-.029911
#2	-.000251	.000030	-.014798	-.000349	.000100	.0095370	-.074753
#3	.000031	-.000042	-.023247	-.000229	-.000168	-.001855	-.049741

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001841	-.019419	-.000632	.0011353	-.050007	-.007523	-.002441
Stddev	.000563	.049646	.000360	.0003954	.189618	.003738	.000404
%RSD	30.59355	255.6583	56.95481	34.82877	379.1864	49.68041	16.54087
#1	-.001216	-.059520	-.000271	.0013556	-.219132	-.004652	-.002885
#2	-.001999	-.034845	-.000636	.0013714	.154982	-.006168	-.002097
#3	-.002309	.036109	-.000991	.0006788	-.085869	-.011750	-.002339

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3117793	-.002548	.0082576	-.000128	-.014952	-.001032	-.000763
Stddev	.0739640	.000751	.0000922	.000324	.003530	.000310	.000785
%RSD	23.72319	29.46678	1.116413	252.7261	23.61096	30.07387	102.8738
#1	.3638326	-.003296	.0083081	-.000345	-.013925	-.000738	.000133
#2	.2271138	-.002555	.0083136	-.000284	-.018882	-.001357	-.001329
#3	.3443915	-.001794	.0081512	.000244	-.012050	-.001003	-.001093

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: CCB001 Acquired: 10/25/2024 20:47:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB001 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001891	.0072839	-.000180
Stddev	.000999	.0019063	.000034
%RSD	52.79735	26.17132	18.64386
#1	-.001793	.0094286	-.000218
#2	-.002936	.0057826	-.000165
#3	-.000946	.0066403	-.000156

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	932.0830	21660.86	2624.084	794.1828	1819.229
Stddev	2.5687	20.87	12.595	2.5323	1.725
%RSD	.2755838	.0963673	.4799942	.3188556	.0948340
#1	929.9370	21638.84	2610.761	791.2587	1818.963
#2	934.9291	21663.38	2625.696	795.6448	1821.072
#3	931.3830	21680.36	2635.796	795.6448	1817.653

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4333-01DLX2 Acquired: 10/25/2024 20:52:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBF4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2604245	-.038046	.5303368	.0012789	.0013529	228.1817
Stddev	.0063079	.003162	.0050585	.0030008	.0019330	.0916
%RSD	2.422180	8.311711	.9538306	234.6402	142.8843	.0401283
#1	.2543569	-.039368	.5355794	.0033267	.0019072	228.2871
#2	.2599687	-.040333	.5299459	.0026756	.0029482	228.1369
#3	.2669480	-.034437	.5254851	-.002166	-.000797	228.1212

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.033204	.0119751	.0171752	109.7186	.4676901	.1688979
Stddev	.004642	.0001088	.0001785	.0489	.0010358	.0002628
%RSD	.0577865	.9083294	1.039295	.0445717	.2214763	.1555773
#1	8.030313	.0119347	.0169827	109.7573	.4675645	.1691046
#2	8.038559	.0118923	.0173353	109.6636	.4687830	.1689869
#3	8.030742	.0120983	.0172074	109.7349	.4667229	.1686022

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.973814	236.6603	5.169045	67.18852	.7687710	-.013274
Stddev	.007875	.1212	.008110	.07258	.0020885	.000402
%RSD	.3989709	.0512275	.1568925	.1080201	.2716670	3.031596
#1	1.971649	236.7010	5.169514	67.26633	.7708703	-.012850
#2	1.967248	236.7560	5.160710	67.12267	.7687494	-.013651
#3	1.982545	236.5240	5.176909	67.17657	.7666934	-.013322

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.075584	.4852593	1.241744	15.44504	F 13.11621	.2958382
Stddev	.098883	.0015987	.008516	.08103	.03221	.0004665
%RSD	4.764100	.3294430	.6858429	.5246230	.2455727	.1576938
#1	1.989572	.4862214	1.251466	15.53284	13.14392	.2957035
#2	2.183622	.4861427	1.238162	15.37314	13.12385	.2963573
#3	2.053557	.4834139	1.235602	15.42914	13.08087	.2954539

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4333-01DLX2 Acquired: 10/25/2024 20:52:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBF4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000185	1.768606	3.798677	.0182739	5.798114	.1224779
Stddev	.000848	.009560	.012885	.0032104	.014534	.0019839
%RSD	458.2263	.5405447	.3392055	17.56821	.2506649	1.619798
#1	-.000545	1.779598	3.812566	.0196765	5.814842	.1243077
#2	.000784	1.763992	3.787112	.0146009	5.790920	.1227566
#3	-.000795	1.762228	3.796351	.0205443	5.788581	.1203694

Elem	Sr4077
Units	ppm
Avg	1.184101
Stddev	.001480
%RSD	.1249814
#1	1.184612
#2	1.185257
#3	1.182433

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1040.307	24666.99	3111.594	892.3505	1611.499
Stddev	1.311	23.04	13.647	4.6991	.721
%RSD	.1260116	.0934139	.4385869	.5265936	.0447218
#1	1039.235	24652.61	3098.718	886.9333	1610.794
#2	1041.769	24693.57	3125.900	895.3262	1611.469
#3	1039.918	24654.79	3110.164	894.7921	1612.235

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4333-02DLX2 Acquired: 10/25/2024 20:56:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBF5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4040338	-.035346	.9548916	.0033870	.0051545	183.4544	3.427962
Stddev	.0042146	.003312	.0035567	.0034074	.0021635	.7884	.005299
%RSD	1.043127	9.369451	.3724691	100.6016	41.97355	.4297634	.1545743
#1	.4013796	-.033720	.9511047	-.000547	.0056991	182.8593	3.423992
#2	.4018283	-.039156	.9554084	.005420	.0027707	184.3486	3.433979
#3	.4088935	-.033161	.9581615	.005288	.0069938	183.1552	3.425916

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0111911	.0270156	64.78984	.4149973	.1275141	3.949254	194.6982
Stddev	.0002001	.0001315	.44369	.0008531	.0008064	.017682	.9569
%RSD	1.788160	.4867341	.6848181	.2055658	.6324026	.4477209	.4914537
#1	.0112210	.0268736	64.55045	.4149300	.1284129	3.944276	193.7634
#2	.0113746	.0271332	65.30181	.4141799	.1272754	3.968891	195.6756
#3	.0109777	.0270398	64.51725	.4158820	.1268540	3.934595	194.6557

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.754257	47.53615	.5142145	-.007029	1.335742	.3649008	2.418539
Stddev	.010946	.40031	.0006629	.000223	.173095	.0036180	.006100
%RSD	.2302360	.8421262	.1289087	3.168216	12.95869	.9915094	.2522173
#1	4.741738	47.11640	.5139050	-.006885	1.248952	.3679915	2.425567
#2	4.762024	47.91369	.5137629	-.007286	1.223213	.3657899	2.414615
#3	4.759008	47.57835	.5149755	-.006917	1.535062	.3609212	2.415435

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.06919	8.167718	.2518728	.0004844	1.863815	5.463507	.0589494
Stddev	.04783	.013240	.0022693	.0008119	.006146	.049969	.0018542
%RSD	.3399813	.1621041	.9009524	167.5971	.3297484	.9146003	3.145377
#1	14.05128	8.182177	.2495650	-.000036	1.862716	5.420976	.0602112
#2	14.12339	8.156187	.2541014	.001420	1.858293	5.518541	.0598165
#3	14.03289	8.164788	.2519520	.000069	1.870436	5.451005	.0568206

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4333-02DLX2 Acquired: 10/25/2024 20:56:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBF5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.036516	.0934487	.5754216
Stddev	.018353	.0006054	.0016157
%RSD	.4546620	.6478398	.2807853
#1	4.019285	.0929348	.5743887
#2	4.055815	.0941161	.5772835
#3	4.034447	.0932953	.5745925

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1031.074	24206.92	3041.220	872.6220	1664.396
Stddev	.297	7.12	23.956	2.6302	1.945
%RSD	.0287664	.0294134	.7877193	.3014087	.1168418
#1	1031.176	24200.01	3060.726	869.5891	1664.024
#2	1030.741	24206.51	3014.480	874.2750	1662.664
#3	1031.307	24214.23	3048.453	874.0020	1666.500

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4333-03DLX2 Acquired: 10/25/2024 21:01:14 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBF5D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3653609	-.032406	.8886946	.0037368	.0091070	185.1703	3.300192
Stddev	.0021205	.004378	.0032738	.0015759	.0025205	.6266	.010478
%RSD	.5803930	13.50981	.3683827	42.17191	27.67683	.3383676	.3175098
#1	.3674009	-.032187	.8914918	.0024149	.0118248	185.3053	3.306373
#2	.3631681	-.036890	.8850939	.0054807	.0068463	185.7183	3.306110
#3	.3655136	-.028142	.8894982	.0033147	.0086498	184.4872	3.288093

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0105972	.0254240	63.59706	.4109263	.1226785	3.624603	207.2121
Stddev	.0000616	.0003622	.15390	.0014074	.0001258	.025584	.7588
%RSD	.5814168	1.424747	.2419901	.3425031	.1025148	.7058340	.3661919
#1	.0106461	.0255024	63.55536	.4120179	.1226969	3.629411	207.3070
#2	.0105280	.0250290	63.76751	.4114233	.1225446	3.647442	207.9191
#3	.0106177	.0257406	63.46831	.4093378	.1227941	3.596957	206.4104

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.291171	47.52369	.5001281	-.006726	1.542160	.3582455	2.598574
Stddev	.024824	.16297	.0031777	.000214	.396068	.0062290	.010316
%RSD	.5784812	.3429220	.6353662	3.188503	25.68271	1.738761	.3969901
#1	4.278938	47.61967	.4967397	-.006496	1.683687	.3571218	2.607922
#2	4.319737	47.61588	.5006031	-.006760	1.848022	.3649598	2.600294
#3	4.274838	47.33553	.5030415	-.006921	1.094769	.3526547	2.587506

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.19685	8.028634	.2650200	.0006717	1.854712	5.881091	.1420599
Stddev	.05561	.020974	.0027430	.0005568	.002843	.016439	.0026843
%RSD	.3917302	.2612435	1.035035	82.89627	.1532907	.2795294	1.889524
#1	14.13805	8.017852	.2643146	.0010301	1.851430	5.882644	.1401137
#2	14.20389	8.015244	.2680469	.0000302	1.856291	5.896699	.1451221
#3	14.24860	8.052806	.2626986	.0009548	1.856416	5.863930	.1409439

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4333-03DLX2 Acquired: 10/25/2024 21:01:14 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBF5D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.614371	.0990085	.5658940
Stddev	.018669	.0022520	.0020895
%RSD	.4045743	2.274502	.3692291
#1	4.613812	.0965630	.5669085
#2	4.633313	.1009967	.5672826
#3	4.595988	.0994657	.5634910

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1019.792	23929.92	3000.739	861.0218	1657.180
Stddev	1.252	20.41	16.842	5.6373	2.538
%RSD	.1227629	.0852765	.5612690	.6547274	.1531433
#1	1020.836	23926.88	2996.829	856.0780	1659.977
#2	1020.136	23911.21	2986.197	859.8266	1656.541
#3	1018.404	23951.68	3019.193	867.1610	1655.024

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4333-04DLX2 Acquired: 10/25/2024 21:05:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBF5S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4723183	.0605978	.9936071	.1530809	.1627925	188.1249	6.810427
Stddev	.0155295	.0015596	.0050317	.0061567	.0026842	.3048	.106609
%RSD	3.287928	2.573633	.5064097	4.021865	1.648823	.1620454	1.565382
#1	.4581014	.0623261	.9986072	.1459730	.1611212	188.4455	6.700082
#2	.4888912	.0592957	.9936699	.1565199	.1658887	188.0903	6.818339
#3	.4699623	.0601715	.9885443	.1567499	.1613677	187.8388	6.912859

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1006595	.1228415	65.16457	.8032281	1.125542	4.364798	197.5450
Stddev	.0019842	.0008002	.21705	.0017992	.003792	.012979	.0354
%RSD	1.971203	.6513646	.3330827	.2239953	.3369308	.2973583	.0179322
#1	.0986094	.1220459	65.37902	.8018053	1.121458	4.364331	197.5206
#2	.1007985	.1228325	65.16968	.8026284	1.126214	4.352058	197.5856
#3	.1025704	.1236461	64.94500	.8052505	1.128953	4.378004	197.5287

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.613940	47.97899	1.519550	.0792412	1.391566	1.222265	3.166808
Stddev	.044329	.14180	.005846	.0015247	.153547	.024436	.016120
%RSD	.7896209	.2955526	.3847043	1.924103	11.03408	1.999258	.5090381
#1	5.571493	48.12758	1.512976	.0777385	1.382366	1.195151	3.148430
#2	5.610390	47.84513	1.521509	.0791982	1.549506	1.229060	3.178555
#3	5.659937	47.96426	1.524164	.0807869	1.242826	1.242585	3.173440

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.12170	8.160309	.2527464	.0008697	1.877573	5.682863	.0590512
Stddev	.04734	.005308	.0011057	.0003721	.004024	.015208	.0031198
%RSD	.3352636	.0650525	.4374711	42.77647	.2143034	.2676138	5.283163
#1	14.12088	8.155070	.2538390	.0011808	1.880930	5.692713	.0616767
#2	14.16945	8.160171	.2527721	.0004576	1.873113	5.665348	.0556023
#3	14.07477	8.165685	.2516281	.0009709	1.878677	5.690529	.0598747

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4333-04DLX2 Acquired: 10/25/2024 21:05:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBF5S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.062979	.0943719	.5788779
Stddev	.003474	.0008899	.0012528
%RSD	.0855010	.9429948	.2164181
#1	4.066283	.0944846	.5803237
#2	4.063296	.0934310	.5781135
#3	4.059357	.0952001	.5781964

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1012.146	23901.22	2980.374	859.1484	1642.931
Stddev	1.934	27.58	11.446	1.6664	1.213
%RSD	.1910345	.1154057	.3840373	.1939628	.0738012
#1	1009.927	23925.62	2981.105	861.0696	1641.641
#2	1013.471	23906.76	2991.437	858.0940	1643.106
#3	1013.040	23871.29	2968.580	858.2817	1644.047

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4333-02LDLX10 Acquired: 10/25/2024 21:09:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBF5L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0881927	-.008862	.2013150	-.002306	-.002259	41.28166	.7682945
Stddev	.0033226	.002235	.0024603	.003692	.000570	.13726	.0042517
%RSD	3.767482	25.21750	1.222135	160.0747	25.24421	.3324940	.5533966
#1	.0895467	-.008825	.1984787	-.001866	-.002703	41.43945	.7729059
#2	.0844068	-.011115	.2025919	-.006199	-.001616	41.18986	.7674477
#3	.0906245	-.006646	.2028744	.001146	-.002459	41.21567	.7645300

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026131	.0051646	14.98987	.0946863	.0258097	.9111978	45.63999
Stddev	.0001181	.0000956	.13851	.0008829	.0004091	.0047211	.27787
%RSD	4.519504	1.851162	.9240164	.9324063	1.585082	.5181152	.6088369
#1	.0024773	.0051402	15.13339	.0944423	.0256964	.9125512	45.94837
#2	.0026708	.0050835	14.97924	.0956655	.0254692	.9059479	45.40904
#3	.0026914	.0052700	14.85698	.0939511	.0262635	.9150944	45.56258

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.090413	10.82226	.1058952	-.001199	.1188876	.0846302	.5564980
Stddev	.008120	.03635	.0007075	.000450	.1140307	.0063529	.0020766
%RSD	.7446945	.3358776	.6681118	37.56107	95.91474	7.506674	.3731494
#1	1.099746	10.84297	.1054960	-.001668	-.008212	.0795893	.5541566
#2	1.084969	10.78029	.1054775	-.000770	.212226	.0917660	.5581165
#3	1.086522	10.84353	.1067121	-.001160	.152649	.0825353	.5572210

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.285624	1.658099	.0609847	-.000823	.3639693	1.282280	.0107636
Stddev	.095341	.007633	.0011455	.000267	.0083391	.012249	.0023133
%RSD	2.901764	.4603291	1.878395	32.44240	2.291162	.9552706	21.49206
#1	3.385193	1.651885	.0607048	-.001081	.3593582	1.296106	.0092954
#2	3.195165	1.655793	.0600050	-.000548	.3735957	1.272783	.0134303
#3	3.276514	1.666618	.0622442	-.000841	.3589540	1.277950	.0095652

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4333-02LDLX10 Acquired: 10/25/2024 21:09:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBF5L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.9256017	.0252813	.1308323
Stddev	.0062920	.0007591	.0005768
%RSD	.6797785	3.002806	.4408517
#1	.9327466	.0256355	.1314676
#2	.9231704	.0244098	.1306879
#3	.9208880	.0257986	.1303415

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	957.8694	22342.33	2722.602	813.2281	1759.084
Stddev	2.3997	38.85	18.515	2.9183	1.850
%RSD	.2505294	.1738840	.6800302	.3588548	.1051486
#1	955.3231	22384.87	2701.320	816.2029	1756.966
#2	958.1961	22308.72	2734.997	813.1116	1759.902
#3	960.0891	22333.40	2731.491	810.3697	1760.383

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: PB164280BL Acquired: 10/25/2024 21:14:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS280 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007872	-.006221	-.000674	-.000903	-.002546	-.069125	-.000287
Stddev	.0039806	.002269	.001451	.002791	.000932	.009068	.000354
%RSD	505.6710	36.46362	215.1458	308.9808	36.59079	13.11782	123.2427
#1	.0037796	-.007218	.000302	-.003705	-.001687	-.073708	-.000298
#2	.0023125	-.003625	.000017	-.000884	-.003536	-.058681	-.000635
#3	-.003731	-.007821	-.002341	.001878	-.002414	-.074987	.000072

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000064	-.000215	-.053782	-.001648	.0002883	.0017358	-.060199
Stddev	.000064	.000028	.039948	.001018	.0004791	.0017832	.012733
%RSD	100.2338	12.84072	74.27892	61.78489	166.1867	102.7295	21.15230
#1	.000006	-.000195	-.052376	-.002075	.0007672	-.000201	-.074253
#2	-.000120	-.000202	-.094414	-.000486	.0002888	.002100	-.056916
#3	-.000078	-.000246	-.014555	-.002382	-.000191	.003308	-.049429

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001438	-.058414	-.000149	.0006487	-.126512	-.003508	-.002349
Stddev	.000118	.056916	.000328	.0003781	.171065	.004991	.000242
%RSD	8.186746	97.43558	219.7177	58.28659	135.2165	142.2500	10.32174
#1	-.001350	-.086868	-.000313	.0005986	.064554	-.008538	-.002119
#2	-.001572	-.095491	-.000363	.0002982	-.265445	-.003431	-.002327
#3	-.001392	.007118	.000228	.0010494	-.178644	.001443	-.002602

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1224234	-.001475	.0025286	-.000407	-.015508	.0005205	-.000740
Stddev	.0348091	.001021	.0005959	.000327	.005793	.0003535	.000794
%RSD	28.43340	69.23647	23.56484	80.38506	37.35615	67.91587	107.2445
#1	.1018931	-.001945	.0021354	-.000782	-.011206	.0008411	.000127
#2	.1626144	-.000303	.0022362	-.000263	-.022095	.0001414	-.000915
#3	.1027627	-.002176	.0032142	-.000177	-.013222	.0005789	-.001433

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: PB164280BL Acquired: 10/25/2024 21:14:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS280 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0000624	.0046282	-.000300
Stddev	.0009791	.0023112	.000103
%RSD	1570.009	49.93831	34.37208
#1	.0000251	.0070122	-.000181
#2	-.000898	.0023973	-.000359
#3	.001060	.0044751	-.000360

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	934.6843	21680.94	2623.146	792.9206	1817.439
Stddev	.7742	28.15	19.745	1.2817	1.556
%RSD	.0828347	.1298541	.7527139	.1616489	.0856036
#1	933.9617	21649.03	2613.739	791.4585	1815.835
#2	934.5897	21702.29	2609.864	793.8509	1817.541
#3	935.5015	21691.48	2645.836	793.4523	1818.941

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: PB164280BS Acquired: 10/25/2024 21:18:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS280 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0161721	.0456461	.0205662	.0563212	.1028081	F .2748653
Stddev	.0024774	.0019224	.0015830	.0024105	.0018485	.0021713
%RSD	15.31883	4.211437	7.696998	4.279870	1.798047	.7899620
#1	.0143773	.0474205	.0190436	.0543919	.1049426	.2758227
#2	.0189985	.0436039	.0204517	.0555484	.1017478	.2723798
#3	.0151404	.0459139	.0222034	.0590233	.1017340	.2763933

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4106796	.0104467	.0098062	10.52954	.0216419	.0978825
Stddev	.0013038	.0001833	.0000533	.08136	.0002790	.0005713
%RSD	.3174692	1.754316	.5432698	.7726642	1.289418	.5836453
#1	.4094369	.0105793	.0097450	10.43756	.0219641	.0973069
#2	.4105649	.0102376	.0098427	10.55899	.0214853	.0978914
#3	.4120369	.0105233	.0098307	10.59207	.0214763	.0984493

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0518082	.1477120	.0314760	9.932416	.0809368	.0216769
Stddev	.0030363	.0269873	.0003869	.069601	.0003614	.0004787
%RSD	5.860617	18.27021	1.229247	.7007468	.4464769	2.208120
#1	.0526451	.1218881	.0314203	9.959097	.0806658	.0212522
#2	.0543382	.1757289	.0311199	9.853422	.0807975	.0215828
#3	.0484412	.1455191	.0318877	9.984730	.0813471	.0221956

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.952940	.0986622	.1065281	9.729706	.0157774	F .0028998
Stddev	.239762	.0074193	.0014507	.222141	.0013999	.0011236
%RSD	2.408956	7.519896	1.361817	2.283125	8.873078	38.74565
#1	9.681621	.1071142	.1076359	9.976598	.0171257	.0018406
#2	10.04090	.0932244	.1048860	9.666512	.0143310	.0040782
#3	10.13630	.0956479	.1070623	9.546009	.0158754	.0027806

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: PB164280BS Acquired: 10/25/2024 21:18:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS280 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0174994	.1569160	F .4675699	.0130207	.1988775	.0328808
Stddev	.0004834	.0074770	.0035426	.0011251	.0018637	.0016677
%RSD	2.762163	4.764982	.7576617	8.641024	.9371289	5.072004
#1	.0177841	.1597377	.4647655	.0140649	.2004833	.0346096
#2	.0169413	.1625716	.4663931	.0131681	.1968338	.0327510
#3	.0177728	.1484388	.4715512	.0118292	.1993155	.0312818

Elem	Sr4077
Units	ppm
Avg	.2084698
Stddev	.0003523
%RSD	.1689904
#1	.2082210
#2	.2088730
#3	.2083155

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	937.5334	21631.38	2636.339	785.7601	1781.263
Stddev	1.3256	28.39	11.939	4.0834	1.810
%RSD	.1413974	.1312601	.4528639	.5196781	.1015882
#1	936.2394	21644.24	2645.071	784.4268	1780.811
#2	938.8886	21651.07	2641.211	790.3435	1779.722
#3	937.4721	21598.83	2622.734	782.5100	1783.256

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: PB164280BSD Acquired: 10/25/2024 21:23:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD280 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0089434	.0220934	.0112705	.0294281	.0521510	.1742703	.2130678
Stddev	.0038243	.0012032	.0006177	.0034975	.0002812	.0117441	.0014776
%RSD	42.76059	5.446022	5.480938	11.88510	.5392541	6.739021	.6934752
#1	.0129874	.0217630	.0105761	.0270497	.0518874	.1820449	.2147705
#2	.0053853	.0210899	.0114761	.0334440	.0524470	.1800053	.2123106
#3	.0084575	.0234273	.0117591	.0277905	.0521186	.1607606	.2121224

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054480	.0050353	5.515754	.0106638	.0509139	.0309834	.0529703
Stddev	.0001853	.0001457	.044284	.0016611	.0001221	.0016711	.0274605
%RSD	3.401649	2.894075	.8028554	15.57670	.2399222	5.393513	51.84140
#1	.0054419	.0050228	5.476339	.0087519	.0507864	.0323818	.0829264
#2	.0052658	.0048963	5.563673	.0114870	.0509256	.0291327	.0469953
#3	.0056363	.0051869	5.507250	.0117524	.0510298	.0314356	.0289892

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0160406	5.239556	.0426465	.0113677	5.416370	.0540299	.0615730
Stddev	.0010320	.031240	.0008081	.0004859	.125606	.0091822	.0001999
%RSD	6.433494	.5962245	1.894918	4.273942	2.319003	16.99469	.3245939
#1	.0156897	5.217821	.0424824	.0118772	5.519363	.0567088	.0615841
#2	.0152297	5.275355	.0419331	.0109096	5.276436	.0438062	.0617670
#3	.0172022	5.225491	.0435241	.0113163	5.453311	.0615748	.0613678

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.138155	.0109417	.0017502	.0092688	.0778393	.2453368	.0066459
Stddev	.152093	.0014862	.0011738	.0003503	.0041988	.0025619	.0011340
%RSD	2.960078	13.58268	67.06875	3.779820	5.394254	1.044252	17.06325
#1	5.092404	.0094987	.0006122	.0096652	.0816604	.2457590	.0075506
#2	5.307873	.0124676	.0016816	.0091404	.0785133	.2476614	.0053737
#3	5.014189	.0108588	.0029568	.0090007	.0733442	.2425900	.0070133

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: PB164280BSD Acquired: 10/25/2024 21:23:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD280 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1026885	.0181323	.1085037
Stddev	.0015734	.0012496	.0002831
%RSD	1.532259	6.891362	.2609057
#1	.1043506	.0186313	.1085184
#2	.1012220	.0167104	.1087792
#3	.1024930	.0190553	.1082135

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	940.0729	21740.11	2634.951	795.4223	1808.343
Stddev	1.1082	47.95	15.795	2.1355	2.572
%RSD	.1178868	.2205445	.5994258	.2684718	.1422256
#1	941.1759	21685.51	2629.450	797.3527	1805.443
#2	940.0832	21775.33	2622.643	795.7859	1809.235
#3	938.9596	21759.49	2652.761	793.1284	1810.350

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-01DLX2 Acquired: 10/25/2024 21:27:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1339229	-.031949	.2655502	.0005073	.0006429	135.2396	1.888160
Stddev	.0124590	.000339	.0039268	.0026957	.0014011	.4530	.001483
%RSD	9.303075	1.060186	1.478757	531.3833	217.9491	.3349311	.0785326
#1	.1469135	-.032219	.2692595	-.001784	.0004953	134.7640	1.887681
#2	.1327810	-.031569	.2614371	.003478	-.000679	135.2888	1.886976
#3	.1220742	-.032059	.2659541	-.000172	.002112	135.6659	1.889823

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0085199	.0136162	47.81256	.2901707	.1519402	.9694255	238.4938
Stddev	.0001200	.0000481	.35875	.0015209	.0006338	.0021318	1.6168
%RSD	1.408980	.3530319	.7503357	.5241429	.4171600	.2198992	.6779097
#1	.0086584	.0135622	47.45188	.2887659	.1512388	.9709674	236.7396
#2	.0084489	.0136542	47.81642	.2917859	.1524720	.9703162	238.8178
#3	.0084522	.0136322	48.16936	.2899605	.1521097	.9669928	239.9241

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.35135	45.87267	.4239574	-.019512	1.100318	.3822973	.8536440
Stddev	.01162	.19664	.0004980	.000234	.389424	.0132893	.0018252
%RSD	.1122854	.4286592	.1174658	1.201348	35.39192	3.476174	.2138140
#1	10.35391	45.67597	.4236759	-.019334	1.476782	.3672584	.8515413
#2	10.36149	46.06925	.4245324	-.019425	.699115	.3924587	.8545721
#3	10.33866	45.87280	.4236638	-.019778	1.125055	.3871748	.8548188

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	29.57717	9.687446	.2731304	-.000611	1.033805	5.348944	.0096568
Stddev	.15438	.024206	.0031906	.000374	.010338	.022488	.0031373
%RSD	.5219601	.2498679	1.168176	61.19741	1.000008	.4204213	32.48789
#1	29.56062	9.697336	.2694475	-.001041	1.030921	5.326700	.0068816
#2	29.43172	9.659861	.2748833	-.000419	1.045279	5.348463	.0090280
#3	29.73915	9.705141	.2750603	-.000372	1.025215	5.371668	.0130610

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-01DLX2 Acquired: 10/25/2024 21:27:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	3.755696	.0966103	.4607725
Stddev	.015668	.0029697	.0005663
%RSD	.4171750	3.073873	.1229071
#1	3.745490	.0933034	.4602087
#2	3.747862	.0974783	.4607676
#3	3.773736	.0990493	.4613413

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1040.247	24517.52	3044.194	888.7716	1665.286
Stddev	2.410	44.93	5.002	1.5198	1.000
%RSD	.2316549	.1832712	.1643257	.1709949	.0600649
#1	1040.699	24490.41	3049.710	888.5951	1666.102
#2	1042.399	24492.77	3042.921	887.3478	1665.586
#3	1037.644	24569.39	3039.951	890.3719	1664.171

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-02DLX2 Acquired: 10/25/2024 21:32:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.102175	-.051026	3.474336	.0128052	.0284433	173.1207
Stddev	.011073	.003518	.012804	.0013778	.0028056	.8998
%RSD	1.004673	6.894287	.3685450	10.75948	9.863797	.5197763
#1	1.092410	-.049182	3.476235	.0139840	.0254347	172.3248
#2	1.114206	-.055083	3.460688	.0112905	.0309881	172.9402
#3	1.099909	-.048814	3.486086	.0131411	.0289071	174.0971

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.947036	.0113245	.1036153	120.9614	.3829051	.2231299
Stddev	.013394	.0002597	.0002764	.5919	.0019039	.0012088
%RSD	.4544948	2.292877	.2667357	.4893093	.4972235	.5417636
#1	2.936933	.0113401	.1036253	120.5089	.3847343	.2229092
#2	2.941946	.0110574	.1033341	120.7440	.3830465	.2220467
#3	2.962229	.0115760	.1038866	121.6312	.3809344	.2244339

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.83155	345.9379	7.043363	67.93535	.6351804	.0152408
Stddev	.09034	1.7458	.048657	.63810	.0008379	.0009585
%RSD	.5706309	.5046566	.6908239	.9392760	.1319153	6.289034
#1	15.76042	344.2017	7.018207	67.45808	.6357038	.0160866
#2	15.80104	345.9190	7.012434	67.68785	.6342140	.0154361
#3	15.93319	347.6931	7.099449	68.66013	.6356235	.0141996

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.251234	.5198928	6.577891	18.89816	F 14.06021	.3825726
Stddev	.143151	.0055441	.016353	.19709	.03111	.0028157
%RSD	6.358780	1.066397	.2485990	1.042902	.2212408	.7359795
#1	2.112172	.5141098	6.594471	18.72397	14.06469	.3798753
#2	2.398150	.5251623	6.561776	18.85843	14.02711	.3823490
#3	2.243378	.5204064	6.577426	19.11209	14.08883	.3854933

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-02DLX2 Acquired: 10/25/2024 21:32:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016690	11.26570	5.403175	.0371452	5.137316	.1129800
Stddev	.0007194	.01433	.039702	.0029983	.033721	.0003776
%RSD	43.10505	.1272005	.7347842	8.071713	.6564017	.3342294
#1	.0023907	11.25049	5.358317	.0339407	5.107031	.1134057
#2	.0009520	11.26766	5.417419	.0398823	5.131262	.1128486
#3	.0016642	11.27895	5.433790	.0376127	5.173654	.1126855

Elem	Sr4077
Units	ppm
Avg	.6436886
Stddev	.0037853
%RSD	.5880565
#1	.6416996
#2	.6413124
#3	.6480537

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1021.878	24487.78	3059.162	878.7746	1609.495
Stddev	1.880	95.80	15.091	1.8864	2.335
%RSD	.1839357	.3911959	.4932910	.2146678	.1450872
#1	1019.908	24378.58	3075.414	876.8698	1608.352
#2	1023.652	24557.64	3056.478	880.6421	1612.182
#3	1022.073	24527.11	3045.593	878.8120	1607.952

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-03DLX2 Acquired: 10/25/2024 21:36:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1919498	-.044516	.4012627	.0023572	.0033351	195.8639
Stddev	.0067822	.003701	.0027026	.0062653	.0018203	.8052
%RSD	3.533326	8.312940	.6735300	265.7988	54.58038	.4110900
#1	.1843857	-.042524	.3999762	-.001292	.0013442	196.0002
#2	.1939746	-.042238	.4043683	-.001228	.0049144	196.5922
#3	.1974889	-.048786	.3994437	.009592	.0037468	194.9992

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.470801	.0114056	.0176513	79.91133	.4167489	.1784181
Stddev	.012193	.0000408	.0002157	.41008	.0013571	.0001564
%RSD	.3512946	.3577865	1.221848	.5131640	.3256335	.0876602
#1	3.475572	.0113913	.0174624	79.81717	.4157158	.1785642
#2	3.479887	.0113740	.0176051	80.36030	.4182859	.1782531
#3	3.456944	.0114517	.0178863	79.55653	.4162451	.1784369

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.475994	280.1367	7.367538	69.14780	.7722758	-.020274
Stddev	.008959	.9798	.027270	.62212	.0029994	.000173
%RSD	.6070088	.3497624	.3701353	.8996989	.3883885	.8536287
#1	1.478529	279.9484	7.364530	68.86386	.7741500	-.020074
#2	1.483412	281.1970	7.396187	69.86123	.7688164	-.020378
#3	1.466040	279.2647	7.341897	68.71831	.7738610	-.020369

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.445314	.4872047	1.033374	20.17352	F 15.81204	.3173751
Stddev	.133248	.0040384	.004606	.03208	.03314	.0012549
%RSD	5.449097	.8288931	.4457146	.1590082	.2095625	.3954039
#1	2.501595	.4830064	1.038339	20.20849	15.78411	.3167125
#2	2.541186	.4910615	1.032542	20.16661	15.80335	.3188224
#3	2.293160	.4875462	1.029241	20.14546	15.84865	.3165904

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-03DLX2 Acquired: 10/25/2024 21:36:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001165	1.658264	4.732357	.0117823	5.653318	.1254368
Stddev	.000461	.003228	.035528	.0020157	.027328	.0021026
%RSD	39.59724	.1946346	.7507497	17.10774	.4833966	1.676192
#1	-.000857	1.654589	4.715316	.0126991	5.666947	.1253521
#2	-.000942	1.660641	4.773195	.0131766	5.671151	.1275804
#3	-.001695	1.659560	4.708559	.0094711	5.621856	.1233779

Elem	Sr4077
Units	ppm
Avg	.9838074
Stddev	.0031117
%RSD	.3162910
#1	.9842805
#2	.9866555
#3	.9804863

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1065.821	25072.77	3173.858	904.8424	1654.423
Stddev	4.815	35.73	19.224	2.4224	4.018
%RSD	.4517624	.1425107	.6056856	.2677129	.2428451
#1	1064.113	25113.91	3188.057	904.2124	1652.843
#2	1071.258	25054.93	3151.982	902.7972	1658.991
#3	1062.094	25049.47	3181.534	907.5175	1651.436

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-04DLX2 Acquired: 10/25/2024 21:40:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2628124	-.016547	.8590473	.0044432	.0079905	140.0960
Stddev	.0127625	.005455	.0046180	.0026719	.0011513	.2681
%RSD	4.856116	32.96948	.5375685	60.13505	14.40871	.1913438
#1	.2729949	-.019712	.8642254	.0055495	.0086979	140.2299
#2	.2484952	-.019680	.8575613	.0063843	.0066620	139.7874
#3	.2669470	-.010247	.8553553	.0013958	.0086116	140.2708

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.902485	.0079742	.0345814	57.03664	.3421871	.1858924
Stddev	.015380	.0002534	.0001260	.04848	.0007520	.0005790
%RSD	.3137190	3.177891	.3642645	.0849959	.2197491	.3114941
#1	4.914431	.0076848	.0346307	57.08253	.3429842	.1860865
#2	4.885132	.0081560	.0344382	56.98593	.3414905	.1852413
#3	4.907893	.0080819	.0346753	57.04146	.3420865	.1863495

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.804462	217.3900	F 38.84354	45.54574	.5401797	-.013555
Stddev	.008253	.7168	.13437	.07969	.0012770	.000180
%RSD	.2169397	.3297101	.3459236	.1749688	.2363991	1.328978
#1	3.809008	217.9330	38.77036	45.63667	.5404206	-.013711
#2	3.794936	216.5776	38.76164	45.48810	.5387994	-.013597
#3	3.809444	217.6595	38.99861	45.51243	.5413190	-.013358

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.713417	.3881357	2.124913	24.12236	F 12.65629	.2666065
Stddev	.267235	.0050062	.007229	.07886	.02504	.0005271
%RSD	15.59662	1.289813	.3401817	.3269002	.1978646	.1976890
#1	1.420529	.3844206	2.122013	24.20493	12.63623	.2671348
#2	1.775736	.3861578	2.133141	24.11432	12.64829	.2660807
#3	1.943986	.3938287	2.119585	24.04783	12.68436	.2666040

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-04DLX2 Acquired: 10/25/2024 21:40:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000771	3.319402	5.543616	.0256151	4.402115	.0881171
Stddev	.000297	.012117	.011316	.0020310	.004407	.0011601
%RSD	38.47147	.3650284	.2041237	7.928892	.1001121	1.316526
#1	-.000670	3.333392	5.531810	.0235522	4.405174	.0878141
#2	-.001105	3.312227	5.544671	.0256804	4.397063	.0871387
#3	-.000538	3.312587	5.554367	.0276126	4.404108	.0893987

Elem	Sr4077
Units	ppm
Avg	.7295282
Stddev	.0015622
%RSD	.2141360
#1	.7307160
#2	.7277586
#3	.7301101

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1047.255	24523.51	3068.150	880.8866	1693.295
Stddev	1.655	41.89	11.127	1.6614	3.826
%RSD	.1580465	.1708281	.3626743	.1886066	.2259385
#1	1046.384	24548.82	3078.738	882.8047	1691.571
#2	1049.164	24546.55	3069.160	879.9601	1697.680
#3	1046.218	24475.15	3056.552	879.8951	1690.635

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-05DLX2 Acquired: 10/25/2024 21:45:14 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB7D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2715946	-.032172	.8878214	.0089043	.0097216	148.0528
Stddev	.0015121	.003175	.0025480	.0049522	.0017547	.4767
%RSD	.5567328	9.867880	.2869894	55.61563	18.04960	.3219719
#1	.2722257	-.029509	.8872807	.0048412	.0099712	148.4182
#2	.2726888	-.035685	.8905963	.0074512	.0113381	148.2265
#3	.2698692	-.031321	.8855872	.0144204	.0078554	147.5136

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.647704	.0091959	.0360021	60.65235	.3480986	.1678993
Stddev	.008162	.0000712	.0002706	.18431	.0017814	.0006934
%RSD	.3082605	.7747282	.7515647	.3038759	.5117538	.4129890
#1	2.656398	.0092242	.0357851	60.66356	.3465050	.1676515
#2	2.646509	.0092487	.0359158	60.83080	.3477690	.1673638
#3	2.640206	.0091149	.0363052	60.46270	.3500218	.1686825

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.888073	233.6301	8.577599	45.33174	.5145513	-.009906
Stddev	.010332	.6507	.018809	.36413	.0005650	.000309
%RSD	.2657362	.2785329	.2192753	.8032524	.1098018	3.119058
#1	3.899696	233.9550	8.599291	45.65835	.5143164	-.010053
#2	3.879931	234.0543	8.567678	45.39775	.5151958	-.009551
#3	3.884592	232.8808	8.565829	44.93912	.5141416	-.010114

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.491746	.3971107	2.172917	25.58042	F 12.93535	.2845478
Stddev	.045534	.0128951	.011058	.13576	.01798	.0014310
%RSD	3.052413	3.247229	.5088988	.5307289	.1389685	.5028908
#1	1.500615	.3883739	2.183111	25.73253	12.95532	.2857930
#2	1.532193	.4119211	2.174479	25.47155	12.92046	.2848659
#3	1.442430	.3910372	2.161161	25.53717	12.93028	.2829846

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-05DLX2 Acquired: 10/25/2024 21:45:14 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB7D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007711	3.586211	5.740462	.0200969	4.872992	.0939670
Stddev	.0004064	.012610	.019165	.0019335	.011110	.0012991
%RSD	52.71115	.3516277	.3338549	9.620905	.2279851	1.382473
#1	.0009579	3.575402	5.761913	.0214161	4.877128	.0947717
#2	.0010505	3.583165	5.734449	.0178775	4.881441	.0946609
#3	.0003048	3.600064	5.725025	.0209973	4.860408	.0924683

Elem	Sr4077
Units	ppm
Avg	.5922466
Stddev	.0012006
%RSD	.2027209
#1	.5934177
#2	.5923038
#3	.5910185

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1020.842	24159.60	3000.620	867.5060	1659.611
Stddev	1.052	35.41	7.190	4.6122	3.091
%RSD	.1030359	.1465678	.2396025	.5316595	.1862463
#1	1021.125	24200.01	2995.388	864.8061	1656.158
#2	1021.722	24134.01	2997.654	864.8804	1662.120
#3	1019.677	24144.77	3008.818	872.8315	1660.556

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-06DLX2 Acquired: 10/25/2024 21:49:37 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB7S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3417361	.0661235	.8940163	.1411804	.1563333	144.6523
Stddev	.0041819	.0063009	.0083560	.0020113	.0028812	.1802
%RSD	1.223717	9.529017	.9346607	1.424621	1.843000	.1245669
#1	.3372098	.0592591	.8915665	.1431793	.1596376	144.8595
#2	.3425424	.0716441	.8871590	.1412049	.1543453	144.5325
#3	.3454562	.0674673	.9033234	.1391569	.1550170	144.5649

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.372858	.0963130	.1258761	58.80829	.7109524	1.138758
Stddev	.009972	.0004158	.0004927	.20636	.0011964	.002666
%RSD	.1190975	.4316947	.3914231	.3509098	.1682857	.2341252
#1	8.369772	.0967364	.1260241	58.90270	.7103746	1.138779
#2	8.364795	.0959053	.1253263	58.57161	.7101546	1.136082
#3	8.384009	.0962972	.1262778	58.95057	.7123281	1.141414

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.195261	223.4530	F 39.09741	46.40391	1.500086	.0723879
Stddev	.005549	.3605	.06295	.04715	.003968	.0006216
%RSD	.1322775	.1613364	.1610138	.1016040	.2645119	.8587201
#1	4.189277	223.8672	39.13257	46.45120	1.497134	.0722060
#2	4.200238	223.2107	39.02473	46.35691	1.498529	.0718776
#3	4.196269	223.2810	39.13492	46.40362	1.504597	.0730802

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.647547	1.297654	2.829339	24.32565	F 12.61318	.2702849
Stddev	.113368	.007587	.012654	.01834	.03777	.0016858
%RSD	6.881013	.5846561	.4472440	.0753990	.2994875	.6237009
#1	1.607554	1.305742	2.843498	24.31248	12.59828	.2715059
#2	1.559596	1.296523	2.825387	24.31787	12.58513	.2683615
#3	1.775491	1.290696	2.819134	24.34660	12.65614	.2709873

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-06DLX2 Acquired: 10/25/2024 21:49:37 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB7S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001300	3.303202	5.651630	.0255822	4.437923	.0900446
Stddev	.000226	.001338	.008333	.0009420	.006299	.0017941
%RSD	17.39176	.0405002	.1474408	3.682249	.1419440	1.992450
#1	-.001239	3.301740	5.658576	.0266206	4.437938	.0918900
#2	-.001551	3.303503	5.653923	.0253434	4.431616	.0899371
#3	-.001111	3.304364	5.642390	.0247825	4.444215	.0883067

Elem	Sr4077
Units	ppm
Avg	.7264346
Stddev	.0000986
%RSD	.0135690
#1	.7264560
#2	.7265206
#3	.7263270

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1016.608	24110.09	2982.196	868.4060	1656.096
Stddev	1.739	35.33	5.871	4.2637	.983
%RSD	.1710623	.1465502	.1968683	.4909795	.0593848
#1	1014.929	24104.56	2977.935	863.4888	1656.197
#2	1018.401	24147.86	2979.761	871.0774	1657.025
#3	1016.494	24077.85	2988.893	870.6517	1655.065

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-04LDLX10 Acquired: 10/25/2024 21:53:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB7L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0614946	-.005929	.1822123	.0030241	-.001431	31.88937	1.091816
Stddev	.0023207	.000816	.0031463	.0068265	.000870	.09438	.001825
%RSD	3.773751	13.75733	1.726735	225.7320	60.79195	.2959694	.1671659
#1	.0611318	-.006079	.1801117	.0104499	-.002421	31.86533	1.091732
#2	.0639754	-.006660	.1858297	-.002979	-.000790	31.99345	1.093682
#3	.0593768	-.005049	.1806956	.001601	-.001082	31.80934	1.090035

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018846	.0067220	13.59888	.0776975	.0385607	.8764169	51.94087
Stddev	.0000935	.0001959	.05802	.0001488	.0005493	.0038798	.19889
%RSD	4.960311	2.914857	.4266327	.1915622	1.424574	.4426893	.3829114
#1	.0019038	.0069072	13.54226	.0775809	.0380716	.8724698	51.87901
#2	.0019670	.0067421	13.65820	.0776465	.0384555	.8802257	52.16334
#3	.0017830	.0065168	13.59619	.0778651	.0391551	.8765552	51.78027

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.973219	10.55229	.1133557	-.002837	.2120380	.0891893	.4922126
Stddev	.011898	.02434	.0012140	.000224	.1786348	.0037515	.0013871
%RSD	.1325899	.2306382	1.070948	7.879717	84.24658	4.206218	.2818144
#1	8.977555	10.54305	.1122785	-.003057	.3699315	.0899331	.4937539
#2	8.959762	10.53392	.1146712	-.002610	.0181451	.0925132	.4918190
#3	8.982340	10.57989	.1131174	-.002843	.2480374	.0851216	.4910647

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.472505	2.617040	.0632947	-.000620	.6592876	1.316600	.0046482
Stddev	.122516	.010794	.0006447	.000270	.0107198	.001080	.0007068
%RSD	2.238748	.4124543	1.018517	43.56217	1.625960	.0819929	15.20689
#1	5.510178	2.608049	.0639756	-.000477	.6469128	1.317034	.0051206
#2	5.335577	2.629011	.0626938	-.000931	.6652260	1.315371	.0038356
#3	5.571760	2.614060	.0632148	-.000451	.6657239	1.317395	.0049885

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-04LDLX10 Acquired: 10/25/2024 21:53:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB7L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.016735	.0229260	.1664525
Stddev	.003468	.0009443	.0001352
%RSD	.3411166	4.118969	.0812357
#1	1.018203	.0228158	.1663087
#2	1.019228	.0220415	.1665770
#3	1.012774	.0239205	.1664719

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	960.6333	22442.96	2737.587	819.9891	1763.323
Stddev	2.0534	44.36	2.330	1.8080	.959
%RSD	.2137588	.1976737	.0851049	.2204874	.0544113
#1	961.5713	22424.10	2735.836	818.0842	1764.410
#2	962.0503	22411.15	2736.694	821.6813	1762.963
#3	958.2784	22493.64	2740.231	820.2017	1762.595

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-07DLX2 Acquired: 10/25/2024 21:58:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1904255	-.043350	.3790094	.0021748	.0015288	197.2796
Stddev	.0075867	.003161	.0052514	.0040271	.0033658	.4342
%RSD	3.984050	7.291735	1.385561	185.1716	220.1664	.2201021
#1	.1926978	-.040575	.3730927	.0063169	.0011461	197.3021
#2	.1966163	-.042685	.3831177	-.001727	-.001629	197.7021
#3	.1819624	-.046791	.3808177	.001934	.005070	196.8345

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.746914	.0110299	.0145008	86.43375	.4311722	.1745529
Stddev	.007321	.0002623	.0002261	.25790	.0003791	.0005334
%RSD	.1953899	2.377801	1.559372	.2983743	.0879310	.3056071
#1	3.744006	.0112354	.0145971	86.51300	.4315514	.1748929
#2	3.755243	.0111199	.0142425	86.64272	.4311723	.1739381
#3	3.741495	.0107345	.0146629	86.14553	.4307931	.1748278

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.325307	266.8389	9.281151	63.10841	.7309954	-.017664
Stddev	.009043	.8170	.020768	.24546	.0009613	.000690
%RSD	.6823136	.3061812	.2237614	.3889511	.1315088	3.905995
#1	1.325166	266.7754	9.267577	63.10649	.7298912	-.017482
#2	1.334419	267.6859	9.305058	63.35483	.7316462	-.018426
#3	1.316335	266.0555	9.270817	62.86392	.7314487	-.017082

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.613348	.4906252	.8732641	15.75677	F 13.46036	.3038797
Stddev	.112320	.0107114	.0030619	.09035	.02394	.0025958
%RSD	4.297946	2.183209	.3506331	.5734250	.1778546	.8542141
#1	2.598354	.4926303	.8699849	15.66111	13.48751	.3062685
#2	2.732412	.4790530	.8737588	15.84066	13.45126	.3042532
#3	2.509278	.5001923	.8760485	15.76854	13.44230	.3011174

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-07DLX2 Acquired: 10/25/2024 21:58:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001578	1.043586	4.026941	.0121615	5.134957	.1206227
Stddev	.000324	.014026	.021423	.0004940	.014510	.0008171
%RSD	20.53667	1.343988	.5319826	4.062266	.2825760	.6774007
#1	-.001691	1.031691	4.019946	.0124559	5.137163	.1210218
#2	-.001830	1.059052	4.050987	.0115912	5.148238	.1211635
#3	-.001212	1.040015	4.009890	.0124375	5.119470	.1196828

Elem	Sr4077
Units	ppm
Avg	1.017445
Stddev	.003238
%RSD	.3182759
#1	1.017292
#2	1.020757
#3	1.014286

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1043.932	24458.55	3069.689	876.7954	1626.549
Stddev	1.123	68.11	8.659	2.4977	1.480
%RSD	.1075944	.2784771	.2820834	.2848676	.0909849
#1	1043.101	24493.71	3073.343	878.4895	1624.886
#2	1045.210	24501.90	3059.801	877.9697	1627.719
#3	1043.486	24380.05	3075.921	873.9269	1627.044

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-08DLX2 Acquired: 10/25/2024 22:02:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1766094	-.040594	.3245996	.0081377	.0048656	193.6045
Stddev	.0048446	.000049	.0010763	.0119870	.0048903	.1124
%RSD	2.743104	.1203665	.3315645	147.3010	100.5087	.0580679
#1	.1812610	-.040619	.3243314	.0077013	.0078395	193.6921
#2	.1769749	-.040537	.3236829	.0203369	.0075359	193.6438
#3	.1715925	-.040624	.3257847	-.003625	-.000779	193.4777

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.033857	.0115386	.0128440	64.10354	.4219162	.1467015
Stddev	.000992	.0002292	.0002178	.07970	.0005510	.0010086
%RSD	.0326838	1.986502	1.695547	.1243306	.1305982	.6875186
#1	3.034089	.0117198	.0128248	64.14940	.4224513	.1458766
#2	3.034713	.0112809	.0126364	64.14971	.4219469	.1464021
#3	3.032770	.0116151	.0130707	64.01151	.4213506	.1478260

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.126451	256.6969	6.256774	55.76360	.6014482	-.017322
Stddev	.008391	.4638	.005115	.32803	.0021948	.000410
%RSD	.7449121	.1806740	.0817590	.5882512	.3649129	2.366636
#1	1.127732	256.5150	6.250867	55.88966	.5999448	-.017576
#2	1.134128	257.2241	6.259738	56.00990	.6004330	-.017542
#3	1.117494	256.3517	6.259716	55.39124	.6039668	-.016849

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.228924	.4931709	.8437765	22.86744	F 10.64918	.3005675
Stddev	.089889	.0127394	.0050428	.11799	.04667	.0015321
%RSD	7.314415	2.583161	.5976450	.5159889	.4382810	.5097430
#1	1.166233	.5058947	.8483533	22.73132	10.61145	.2988993
#2	1.331910	.4804159	.8446058	22.94065	10.63472	.3008915
#3	1.188629	.4932022	.8383705	22.93035	10.70138	.3019117

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-08DLX2 Acquired: 10/25/2024 22:02:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001233	1.524665	4.830428	.0212957	4.668423	.1161378
Stddev	.000760	.007586	.016223	.0035469	.006401	.0006692
%RSD	61.64916	.4975653	.3358544	16.65563	.1371088	.5762233
#1	-.000356	1.520580	4.825460	.0228770	4.664838	.1169091
#2	-.001703	1.519997	4.848554	.0237770	4.675813	.1157115
#3	-.001640	1.533419	4.817270	.0172332	4.664617	.1157928

Elem	Sr4077
Units	ppm
Avg	.7960489
Stddev	.0006737
%RSD	.0846277
#1	.7960011
#2	.7967452
#3	.7954004

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1034.883	24177.47	3022.265	874.8385	1647.237
Stddev	2.465	70.88	6.524	3.1214	3.008
%RSD	.2382391	.2931720	.2158527	.3567938	.1826261
#1	1035.161	24217.74	3025.517	871.3500	1648.601
#2	1037.197	24219.06	3014.755	875.7981	1649.321
#3	1032.290	24095.63	3026.523	877.3674	1643.788

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-09DLX2 Acquired: 10/25/2024 22:07:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBC0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1702464	-.030665	.4290650	.0064632	.0029308	109.1528	1.446355
Stddev	.0089358	.003475	.0052399	.0067788	.0004238	.1357	.002197
%RSD	5.248751	11.33103	1.221245	104.8830	14.46178	.1243401	.1519224
#1	.1599372	-.034044	.4345773	.0007739	.0033187	109.3028	1.448552
#2	.1750297	-.030848	.4284694	.0139637	.0029953	109.1174	1.446356
#3	.1757724	-.027102	.4241483	.0046521	.0024784	109.0383	1.444158

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0067530	.0148998	56.72244	.2404538	.1138667	1.665400	188.6519
Stddev	.0001426	.0002313	.08394	.0007821	.0003457	.003389	.4887
%RSD	2.112002	1.552497	.1479920	.3252473	.3036044	.2034774	.2590502
#1	.0066380	.0150791	56.81043	.2396315	.1137562	1.665969	189.2135
#2	.0067084	.0146387	56.71365	.2405417	.1135896	1.661763	188.3229
#3	.0069125	.0149816	56.64323	.2411882	.1142541	1.668468	188.4194

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.100118	42.46976	.3203894	-.011016	1.097516	.3460962	1.172619
Stddev	.016742	.03326	.0014631	.000213	.124201	.0057007	.002557
%RSD	.3282728	.0783212	.4566707	1.934869	11.31656	1.647137	.2180337
#1	5.105484	42.43157	.3216370	-.010975	1.219135	.3478578	1.169692
#2	5.081350	42.49242	.3187790	-.010826	.970884	.3507082	1.174417
#3	5.113519	42.48530	.3207521	-.011246	1.102530	.3397227	1.173747

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.69447	8.266822	.2275710	-.000238	2.121872	5.345013	.0174627
Stddev	.05550	.002519	.0001288	.000687	.007139	.011905	.0008932
%RSD	.2681863	.0304736	.0566135	288.4774	.3364307	.2227232	5.114776
#1	20.65521	8.268585	.2277004	-.000146	2.121567	5.357038	.0183555
#2	20.75796	8.263937	.2274427	-.000966	2.129159	5.333232	.0165692
#3	20.67024	8.267945	.2275700	.000398	2.114891	5.344770	.0174633

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-09DLX2 Acquired: 10/25/2024 22:07:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBC0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	3.591928	.0765070	.3949479
Stddev	.010014	.0004683	.0009776
%RSD	.2787880	.6121179	.2475294
#1	3.602655	.0762714	.3960760
#2	3.590302	.0762033	.3944185
#3	3.582826	.0770464	.3943491

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1000.364	23621.68	2927.534	852.3053	1677.275
Stddev	1.570	46.67	10.897	.7131	4.578
%RSD	.1569895	.1975620	.3722181	.0836730	.2729361
#1	999.158	23597.92	2916.507	851.5375	1672.286
#2	1002.140	23675.44	2938.296	852.9470	1681.282
#3	999.793	23591.66	2927.798	852.4312	1678.257

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-10DLX2 Acquired: 10/25/2024 22:11:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBC1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1533141	-.031689	.4353677	.0059350	.0014355	140.8059
Stddev	.0037520	.004846	.0013217	.0059646	.0025686	.1594
%RSD	2.447265	15.29141	.3035777	100.4999	178.9332	.1131961
#1	.1537906	-.031436	.4349599	.0127477	.0039979	140.6364
#2	.1493466	-.026974	.4342980	.0034042	.0014477	140.9528
#3	.1568050	-.036656	.4368452	.0016530	-.001139	140.8284

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.715622	.0085923	.0162650	52.18143	.3166815	.1355248
Stddev	.002627	.0000613	.0000829	.04619	.0054936	.0006062
%RSD	.0967446	.7132147	.5099573	.0885225	1.734728	.4472776
#1	2.715988	.0085417	.0162103	52.23449	.3135712	.1350026
#2	2.718047	.0086604	.0163604	52.15015	.3230245	.1353823
#3	2.712831	.0085747	.0162242	52.15966	.3134487	.1361896

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.653146	202.3047	6.456030	47.28140	.5377484	-.010338
Stddev	.007323	.3204	.011052	.03461	.0018247	.001590
%RSD	.4429577	.1583895	.1711933	.0731926	.3393270	15.38046
#1	1.661216	202.0301	6.445241	47.28936	.5391307	-.011063
#2	1.651298	202.6568	6.467328	47.24350	.5356801	-.008515
#3	1.646924	202.2272	6.455523	47.31133	.5384345	-.011437

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.050710	.3540495	1.090153	19.71271	F 11.56415	.2350583
Stddev	.179151	.0071659	.016959	.05415	.02213	.0011298
%RSD	17.05047	2.023979	1.555633	.2747147	.1913345	.4806304
#1	1.063175	.3516097	1.076594	19.69645	11.54088	.2337996
#2	1.223303	.3484222	1.109168	19.77313	11.56665	.2359844
#3	.865652	.3621167	1.084697	19.66855	11.58492	.2353910

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-10DLX2 Acquired: 10/25/2024 22:11:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBC1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001461	1.457478	7.091680	.0145815	4.793815	.0900392
Stddev	.000489	.013473	.028884	.0005771	.011964	.0012885
%RSD	33.45407	.9244091	.4072910	3.957503	.2495766	1.431009
#1	-.001443	1.450453	7.080109	.0147979	4.780455	.0885517
#2	-.000981	1.473012	7.070377	.0139275	4.803540	.0907581
#3	-.001958	1.448970	7.124556	.0150191	4.797451	.0908079

Elem	Sr4077
Units	ppm
Avg	.5897077
Stddev	.0013391
%RSD	.2270747
#1	.5888575
#2	.5912513
#3	.5890144

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1016.277	23709.57	2969.290	859.4302	1666.097
Stddev	.951	374.88	4.295	13.5674	2.956
%RSD	.0936068	1.581142	.1446379	1.578653	.1774454
#1	1015.302	23875.76	2967.551	868.6390	1663.241
#2	1017.203	23280.32	2974.181	843.8498	1669.144
#3	1016.326	23972.62	2966.137	865.8018	1665.905

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-11DLX2 Acquired: 10/25/2024 22:15:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBC2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3547223	-.026380	.6919078	.0068578	.0052689	87.77474	1.455015
Stddev	.0047829	.003602	.0020863	.0040831	.0039402	.08592	.003028
%RSD	1.348347	13.65547	.3015331	59.53969	74.78206	.0978843	.2081378
#1	.3602360	-.023359	.6896657	.0083645	.0031528	87.80080	1.457109
#2	.3516914	-.030366	.6922657	.0022354	.0028390	87.84462	1.456393
#3	.3522395	-.025414	.6937920	.0099735	.0098151	87.67881	1.451542

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0061121	.0252713	28.71706	.2449791	.1235648	3.645160	175.6744
Stddev	.0001495	.0003345	.09911	.0006898	.0006183	.009863	.3162
%RSD	2.445378	1.323501	.3451128	.2815689	.5003663	.2705722	.1799982
#1	.0062736	.0253060	28.72311	.2442180	.1236258	3.650632	175.6936
#2	.0060840	.0249208	28.81300	.2455631	.1241503	3.633775	175.9805
#3	.0059786	.0255870	28.61507	.2451561	.1229183	3.651075	175.3490

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.195941	35.21856	.2942653	-.009375	1.243654	.3019831	1.568333
Stddev	.011409	.03466	.0002538	.000539	.312045	.0033599	.003170
%RSD	.1841331	.0984123	.0862372	5.744504	25.09096	1.112607	.2021017
#1	6.197735	35.17855	.2943557	-.009592	.890692	.3056724	1.564710
#2	6.206347	35.23796	.2939788	-.008762	1.482865	.2990989	1.570595
#3	6.183742	35.23918	.2944615	-.009771	1.357406	.3011781	1.569693

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.31999	8.085175	.1963385	.0004222	1.122160	6.899551	.0184614
Stddev	.14484	.025596	.0009780	.0005033	.008652	.011942	.0021021
%RSD	.9454184	.3165844	.4980952	119.2029	.7710020	.1730860	11.38648
#1	15.19486	8.107481	.1953575	.0009663	1.127468	6.910002	.0177694
#2	15.28646	8.057229	.1963447	-.000027	1.112176	6.886534	.0208222
#3	15.47865	8.090815	.1973134	.000327	1.126836	6.902116	.0167925

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: P4331-11DLX2 Acquired: 10/25/2024 22:15:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBC2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.771368	.0609728	.4434440
Stddev	.010233	.0014928	.0007899
%RSD	.2144575	2.448370	.1781313
#1	4.777262	.0616670	.4442957
#2	4.777289	.0592593	.4433008
#3	4.759552	.0619921	.4427355

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1016.111	23986.43	2943.194	863.3446	1698.452
Stddev	.767	39.91	4.308	.2340	4.729
%RSD	.0754891	.1663737	.1463570	.0271008	.2784050
#1	1015.599	23982.85	2938.377	863.1511	1694.392
#2	1016.993	23948.43	2946.675	863.2781	1703.644
#3	1015.741	24028.00	2944.531	863.6046	1697.321

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: CCV002 Acquired: 10/25/2024 22:20:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV002 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.740633	4.735625	23.41366	4.584632	4.534663	393.7157
Stddev	.030073	.013301	.08853	.021966	.016061	.3423
%RSD	.6343606	.2808780	.3781226	.4791314	.3541832	.0869360
#1	4.771563	4.723542	23.46219	4.559448	4.521389	393.6068
#2	4.711498	4.733455	23.31148	4.599839	4.530083	393.4412
#3	4.738839	4.749878	23.46733	4.594609	4.552516	394.0992

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.753403	.4933936	2.294388	389.9822	14.84081	2.381416
Stddev	.035769	.0026033	.007770	.6774	.03482	.007975
%RSD	.3667306	.5276311	.3386337	.1737022	.2346538	.3348698
#1	9.779774	.4905242	2.298373	389.2271	14.82009	2.384923
#2	9.712689	.4940522	2.285434	390.5365	14.82132	2.372289
#3	9.767745	.4956043	2.299356	390.1830	14.88102	2.387036

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.48050	400.7752	14.47034	390.8466	2.370996	1.190356
Stddev	.03528	1.2830	.02780	.7849	.006680	.005541
%RSD	.2436503	.3201313	.1921312	.2008305	.2817374	.4655083
#1	14.50893	399.3237	14.48602	390.0482	2.377065	1.187186
#2	14.44102	401.2440	14.43824	391.6173	2.363839	1.187128
#3	14.49156	401.7578	14.48676	390.8744	2.372083	1.196755

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	396.8973	2.387315	13.97571	148.2976	4.817863	5.069074
Stddev	.3561	.004539	.01569	.4544	.014442	.030806
%RSD	.0897146	.1901481	.1122522	.3064062	.2997575	.6077203
#1	396.4942	2.386753	13.96075	148.0591	4.821159	5.039764
#2	397.1691	2.383084	13.99204	148.0121	4.802058	5.066273
#3	397.0287	2.392110	13.97433	148.8216	4.830372	5.101185

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: CCV002 Acquired: 10/25/2024 22:20:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV002 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 4.479013	4.783114	5.064407	4.721773	4.752646	4.988912
Stddev	.018630	.009549	.029900	.005600	.003543	.006186
%RSD	.4159348	.1996497	.5903851	.1186028	.0745488	.1240023
#1	4.464480	4.778049	5.031125	4.726176	4.755791	4.981774
#2	4.472544	4.777163	5.073098	4.715470	4.748808	4.992231
#3	4.500015	4.794129	5.088998	4.723674	4.753339	4.992730

Elem	Sr4077
Units	ppm
Avg	4.962480
Stddev	.009069
%RSD	.1827412
#1	4.963347
#2	4.953010
#3	4.971085

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	758.5341	19840.33	2520.335	611.7626	1394.182
Stddev	2.5880	35.61	10.021	.9508	6.189
%RSD	.3411796	.1794957	.3975990	.1554212	.4438802
#1	758.9771	19833.30	2530.701	612.6374	1390.450
#2	760.8719	19878.93	2519.605	610.7506	1401.326
#3	755.7532	19808.76	2510.699	611.8998	1390.771

Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: CCB002 Acquired: 10/25/2024 22:24:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB002 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035462	-.003393	.0025019	.0004441	-.001843	-.106391	.0000146
Stddev	.0053656	.000418	.0010306	.0018797	.001659	.024149	.0004579
%RSD	151.3034	12.30830	41.19284	423.2958	90.00348	22.69857	3137.130
#1	-.001939	-.003464	.0026472	.0025234	.000061	-.129743	-.000473
#2	.003795	-.002944	.0034520	-.000057	-.002979	-.081517	.000435
#3	.008783	-.003770	.0014063	-.001135	-.002611	-.107912	.000082

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000139	-.000170	-.034153	-.000470	.0003087	.0053532	-.067882
Stddev	.000200	.000029	.015167	.000548	.0003424	.0025170	.018071
%RSD	143.9728	17.26411	44.40948	116.5078	110.9407	47.01874	26.62170
#1	-.000208	-.000203	-.037191	-.000505	-.000060	.0059595	-.060679
#2	.000087	-.000158	-.017697	.000094	.000368	.0025884	-.054523
#3	-.000295	-.000148	-.047572	-.000999	.000617	.0075116	-.088444

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001311	-.110333	-.000593	.0004862	.0875388	-.003665	-.002365
Stddev	.000875	.057719	.000550	.0002382	.0797110	.008234	.000523
%RSD	66.74671	52.31381	92.70984	48.98248	91.05792	224.6638	22.11245
#1	-.000555	-.126251	-.000868	.0002635	.1360970	-.012030	-.002539
#2	-.001108	-.158423	.000040	.0004579	.1309754	.004431	-.002779
#3	-.002269	-.046325	-.000951	.0007373	-.004456	-.003395	-.001777

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2044133	-.001685	.0071507	-.000243	-.008386	-.000774	.0015620
Stddev	.0290526	.001849	.0017628	.000093	.001746	.000401	.0011490
%RSD	14.21269	109.6827	24.65183	38.37314	20.82200	51.86238	73.56130
#1	.2075016	-.002746	.0071491	-.000316	-.010371	-.001217	.0004579
#2	.1739399	.000449	.0089142	-.000275	-.007089	-.000672	.0027512
#3	.2317984	-.002759	.0053887	-.000138	-.007697	-.000433	.0014770

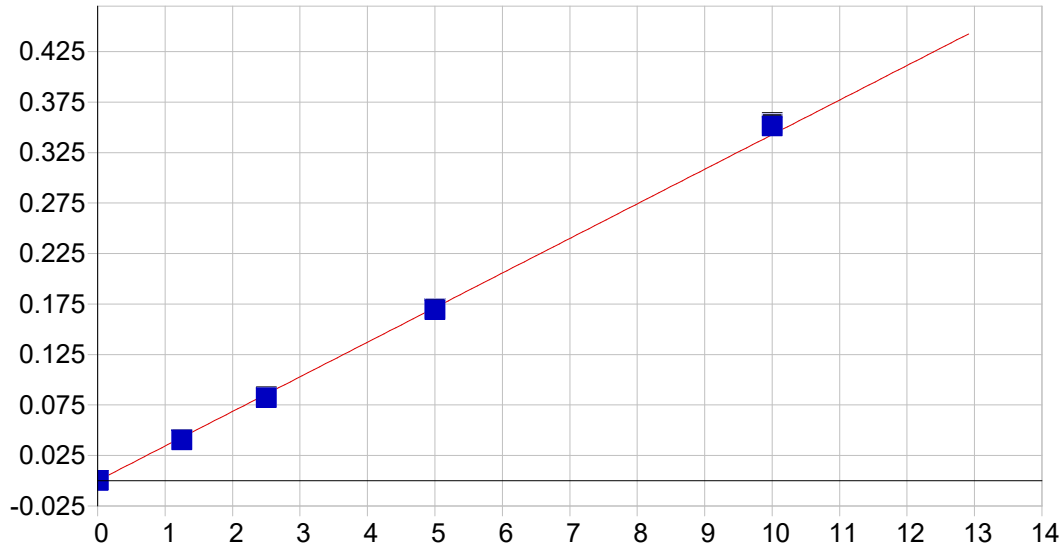
Reviewed By:jaswal
On:10/30/2024 6:08:53 AM
Inst Id :P5

Sample Name: CCB002 Acquired: 10/25/2024 22:24:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v709) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB002 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000960	.0040345	-.000223
Stddev	.000339	.0013913	.000061
%RSD	35.35453	34.48389	27.19306
#1	-.001334	.0024332	-.000243
#2	-.000671	.0047243	-.000155
#3	-.000875	.0049462	-.000270

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	945.5665	21764.89	2629.298	796.5413	1832.395
Stddev	2.3928	52.32	4.648	5.0961	4.503
%RSD	.2530586	.2403823	.1767818	.6397832	.2457224
#1	944.1322	21806.65	2624.318	798.9011	1827.208
#2	948.3288	21781.81	2630.054	800.0299	1834.684
#3	944.2384	21706.20	2633.521	790.6930	1835.294

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



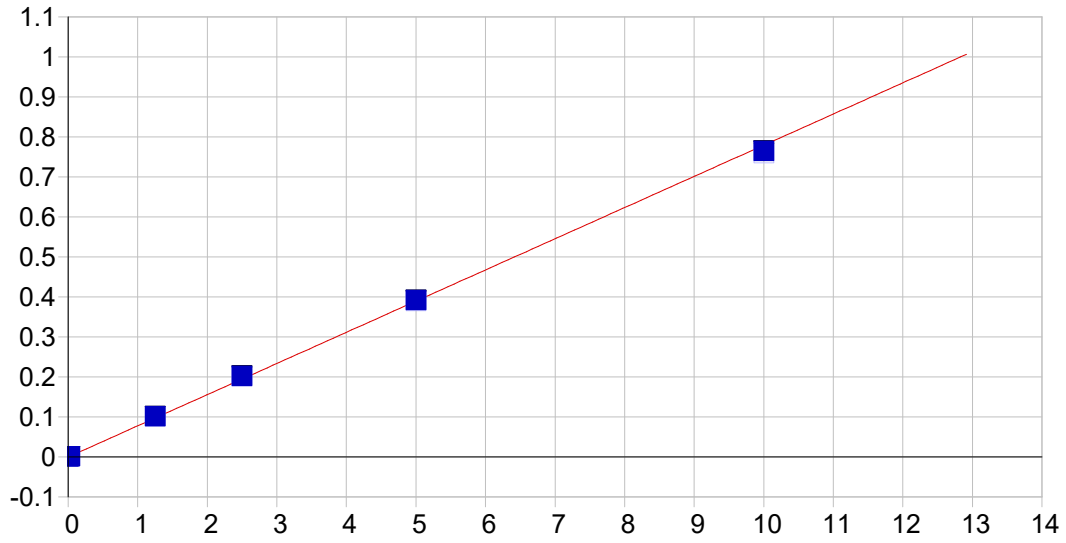
As 189.042 {479}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000111	Re-Slope:	1.000000
A1 (Gain):	0.034263	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999571	Status:	OK.
Std Error of Est:	0.000017		
Predicted MDL:	0.005195		
Predicted MQL:	0.017318		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00011	.000	1
S1	.01000	.01035	.000	3.51	.00047	.000	1
S2	1.2500	1.1706	-.079	-6.35	.04054	.000	1
S3	2.5000	2.3958	-.104	-4.17	.08284	.000	1
S4	5.0000	4.9356	-.064	-1.29	.17051	.000	1
S5	10.000	10.248	.248	2.48	.35379	.001	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



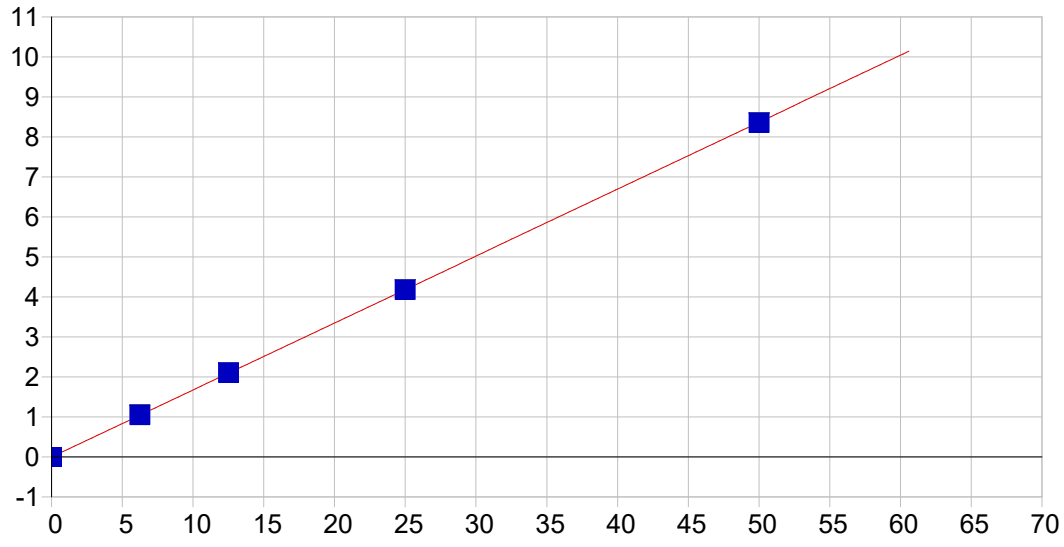
Tl 190.856 {477}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000296	Re-Slope:	1.000000
A1 (Gain):	0.077955	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999736	Status:	OK.
Std Error of Est:	0.000047		
Predicted MDL:	0.003088		
Predicted MQL:	0.010294		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00030	.000	1
S1	.02500	.02591	.001	3.65	.00168	.000	1
S2	1.2500	1.3053	.055	4.42	.10079	.000	1
S3	2.5000	2.5961	.096	3.84	.20074	.001	1
S4	5.0000	5.0322	.032	.643	.38930	.000	1
S5	10.000	9.8155	-.184	-1.84	.75951	.000	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



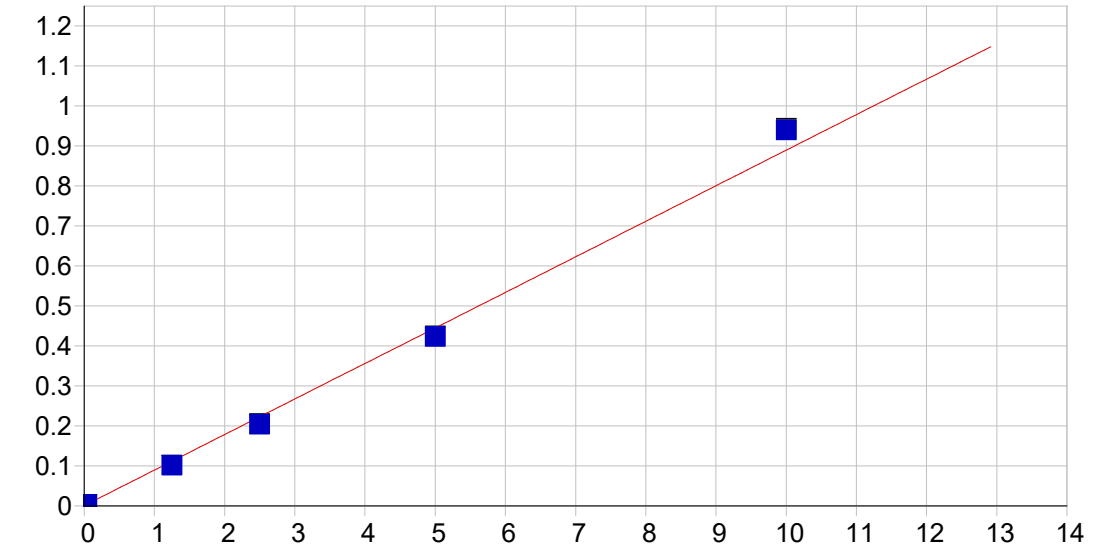
Pb 220.353 {453}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000900	Re-Slope:	1.000000
A1 (Gain):	0.167382	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999995	Status:	OK.
Std Error of Est:	0.000019		
Predicted MDL:	0.003195		
Predicted MQL:	0.010651		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00090	.000	1
S1	.01000	.01018	.000	1.77	.00081	.000	1
S2	6.2500	6.2659	.016	.254	1.0476	.004	1
S3	12.500	12.590	.090	.724	2.1060	.006	1
S4	25.000	24.976	-.024	-.094	4.1787	.005	1
S5	50.000	49.917	-.083	-.166	8.3522	.007	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



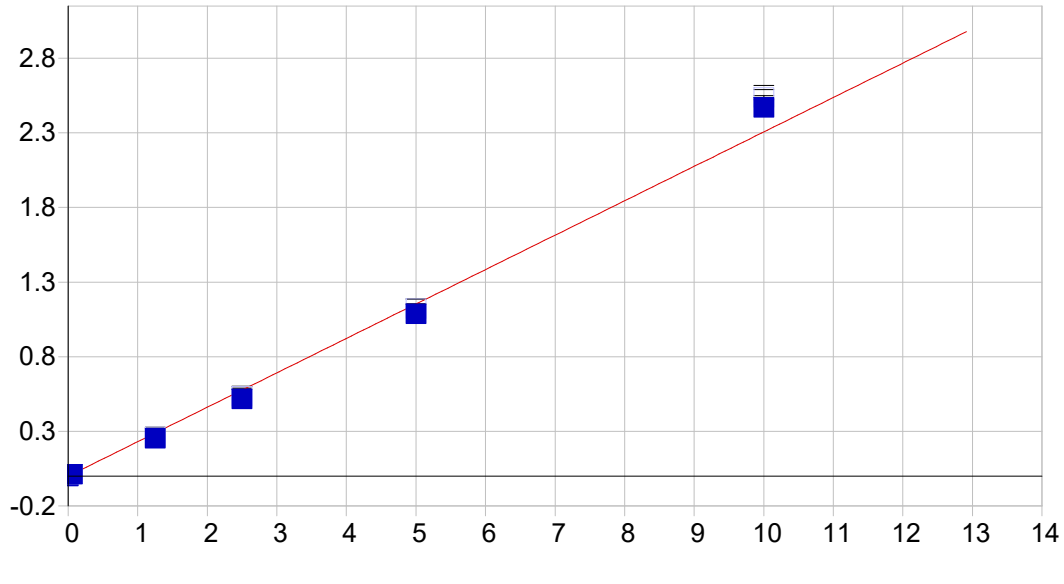
Se 196.090 {472}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000680	Re-Slope:	1.000000
A1 (Gain):	0.088880	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998033	Status:	OK.
Std Error of Est:	0.000175		
Predicted MDL:	0.005015		
Predicted MQL:	0.016715		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00068	.000	1
S1	.03500	.03269	-.002	-6.60	.00358	.000	1
S2	1.2500	1.1341	-.116	-9.27	.10127	.000	1
S3	2.5000	2.2890	-.211	-8.44	.20370	.001	1
S4	5.0000	4.7543	-.246	-4.91	.42240	.001	1
S5	10.000	10.575	.575	5.75	.93889	.004	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



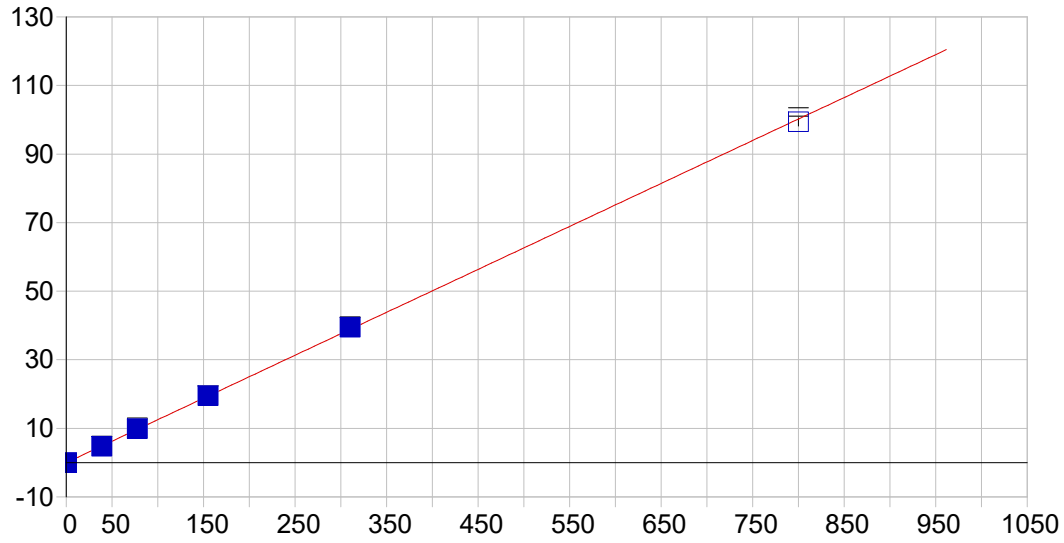
Sb 206.833 {463}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000140	Re-Slope:	1.000000
A1 (Gain):	0.230651	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.997176	Status:	OK.
Std Error of Est:	0.000735		
Predicted MDL:	0.002371		
Predicted MQL:	0.007903		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	-.00014	.000	1
S1	.06000	.05648	-.004	-5.86	.01289	.001	1
S2	1.2500	1.0929	-.157	-12.6	.26045	.001	1
S3	2.5000	2.2426	-.257	-10.3	.53415	.002	1
S4	5.0000	4.7112	-.289	-5.78	1.1206	.001	1
S5	10.000	10.707	.707	7.07	2.5374	.013	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



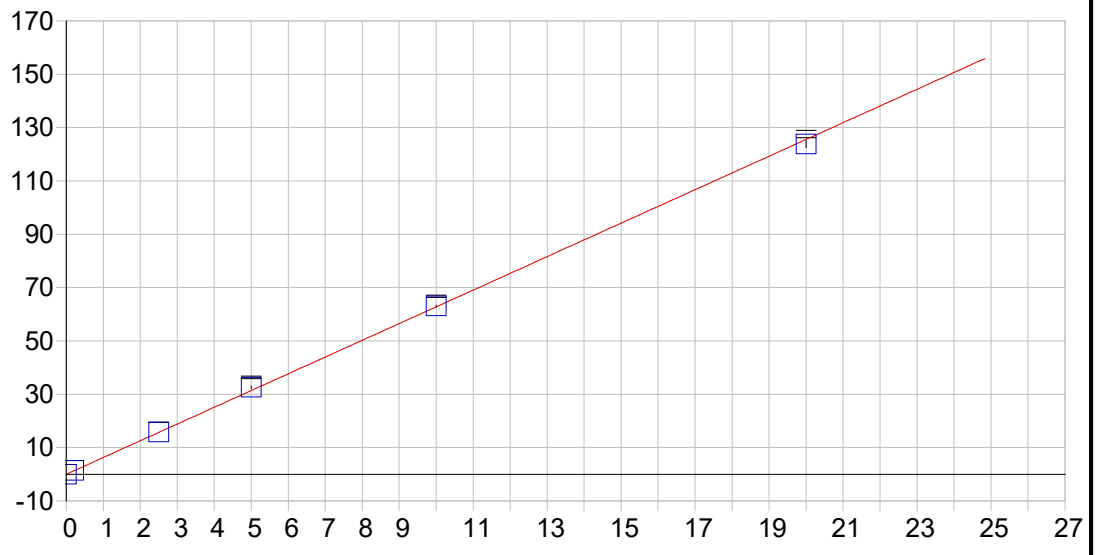
Al 396.152 { 85}

Date of Fit:	10/28/2024 17:21:04	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.003309	Re-Slope:	1.000000
A1 (Gain):	0.125275	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999936	Status:	OK.
Std Error of Est:	0.000878		
Predicted MDL:	0.014456		
Predicted MQL:	0.048188		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00002	-.000	.000	-.00331	.002	1
S1	.20000	.21211	.012	6.06	.02331	.002	1
S2	38.750	38.181	-.569	-1.47	4.7856	.003	1
S3	77.500	79.120	1.62	2.09	9.9202	.136	1
S4	155.00	155.69	.690	.445	19.524	.093	1
S5	310.00	314.83	4.83	1.56	39.484	.105	1
S6	800.00	793.41	-6.59	-.824	99.391	1.24	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



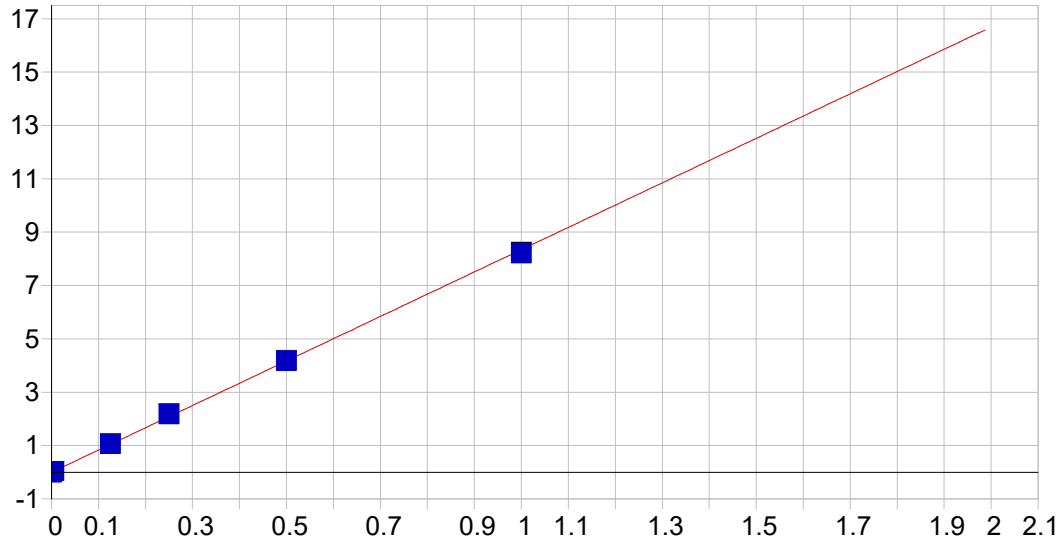
Ba 493.409 { 68}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000530	Re-Slope:	1.000000
A1 (Gain):	6.277063	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999824	Status:	OK.
Std Error of Est:	0.012531		
Predicted MDL:	0.000557		
Predicted MQL:	0.001858		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00003	-.000	.000	.00036	.003	1
S1	.20000	.21953	.020	9.76	1.3785	.006	1
S2	2.5000	2.5151	.015	.602	15.788	.054	1
S3	5.0000	5.1941	.194	3.88	32.604	.465	1
S4	10.000	10.040	.040	.397	63.021	.418	1
S5	20.000	19.732	-.268	-1.34	123.86	1.39	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



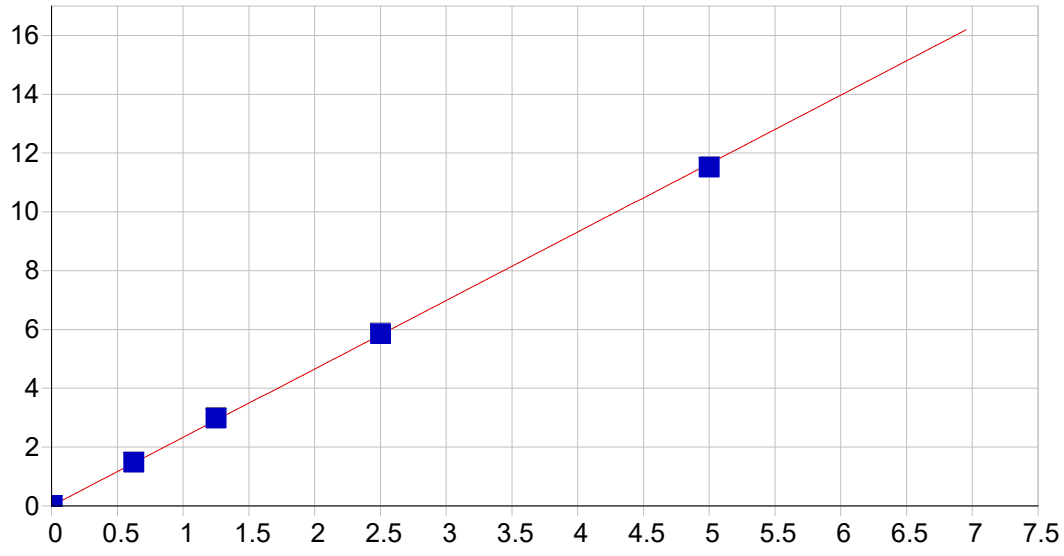
Be 234.861 {144}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002641	Re-Slope:	1.000000
A1 (Gain):	8.348016	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999757	Status:	OK.
Std Error of Est:	0.000690		
Predicted MDL:	0.000125		
Predicted MQL:	0.000416		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00265	.001	1
S1	.00500	.00556	.001	11.2	.04376	.001	1
S2	.12500	.12775	.003	2.20	1.0621	.005	1
S3	.25000	.26159	.012	4.64	2.1778	.012	1
S4	.50000	.50087	.001	.175	4.1720	.012	1
S5	1.0000	.98422	-.016	-1.58	8.2002	.035	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



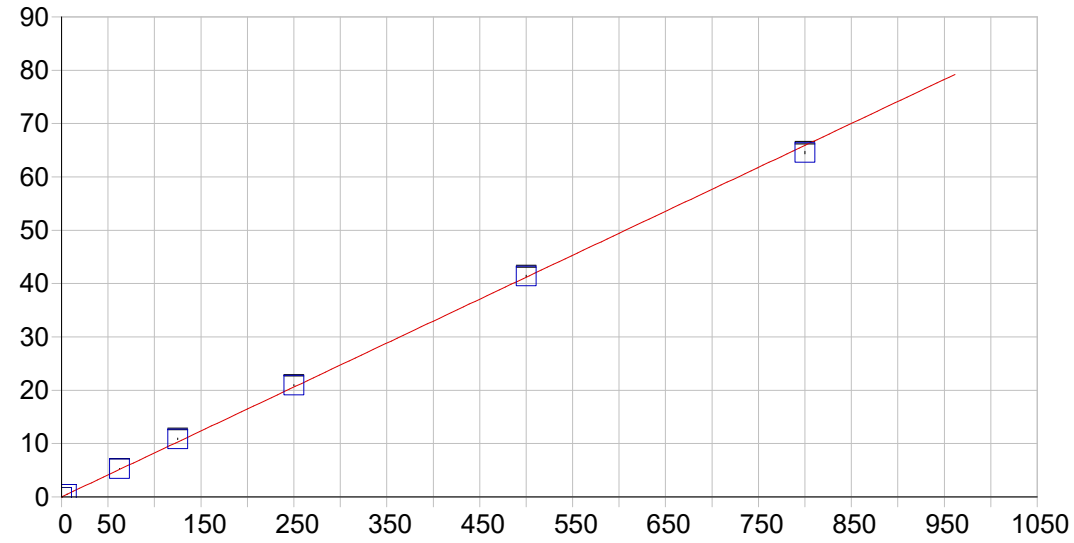
Cd 214.438 {457}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000821	Re-Slope:	1.000000
A1 (Gain):	2.328421	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999913	Status:	OK.
Std Error of Est:	0.000258		
Predicted MDL:	0.000138		
Predicted MQL:	0.000460		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00082	.000	1
S1	.00500	.00555	.001	11.0	.01376	.000	1
S2	.62500	.63669	.012	1.87	1.4868	.002	1
S3	1.2500	1.2783	.028	2.26	2.9842	.009	1
S4	2.5000	2.5152	.015	.608	5.8712	.009	1
S5	5.0000	4.9443	-.056	-1.11	11.541	.011	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



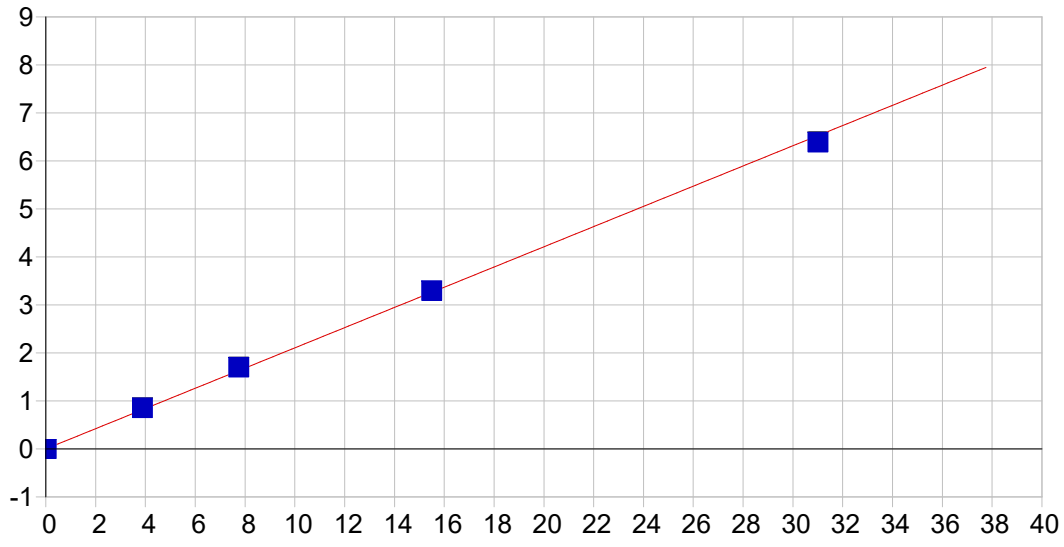
Ca 373.690 { 90}

Date of Fit:	10/28/2024 17:21:04	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.005737	Re-Slope:	1.000000
A1 (Gain):	0.082376	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999725	Status:	OK.
Std Error of Est:	0.006747		
Predicted MDL:	0.017571		
Predicted MQL:	0.058571		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00115	-.001	.000	.00564	.002	1
S1	5.0000	5.7237	.724	14.5	.47724	.000	1
S2	62.500	64.173	1.67	2.68	5.2921	.022	1
S3	125.00	131.99	6.99	5.59	10.879	.154	1
S4	250.00	254.32	4.32	1.73	20.956	.125	1
S5	500.00	502.55	2.55	.511	41.404	.168	1
S6	800.00	783.73	-16.3	-2.03	64.567	.252	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



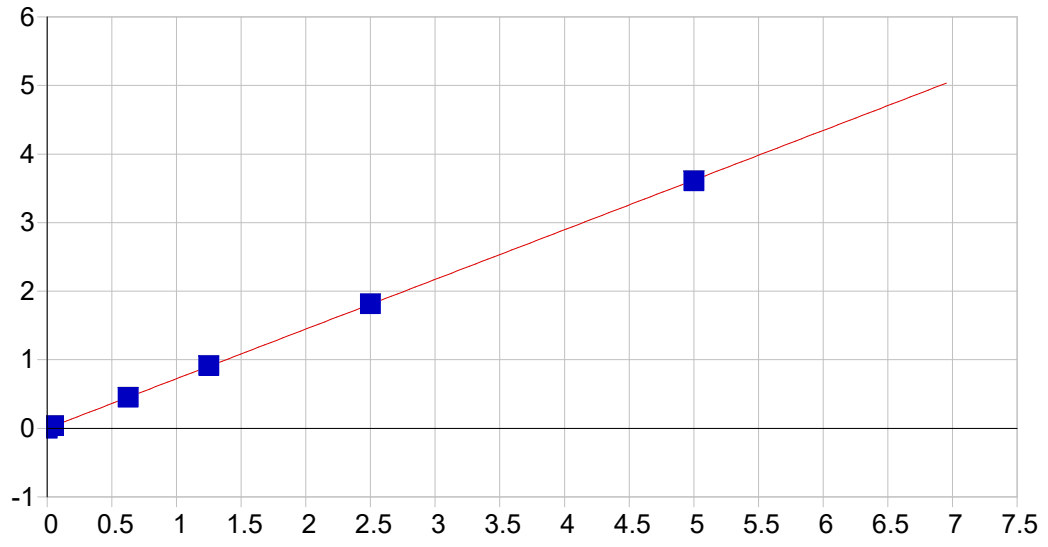
Cr 267.716 {126}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000261	Re-Slope:	1.000000
A1 (Gain):	0.210503	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999681	Status:	OK.
Std Error of Est:	0.000157		
Predicted MDL:	0.000984		
Predicted MQL:	0.003279		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00026	.000	1
S1	.01000	.01150	.002	15.0	.00216	.000	1
S2	3.8750	4.0600	.185	4.77	.85530	.001	1
S3	7.7500	8.0680	.318	4.10	1.6999	.003	1
S4	15.500	15.648	.148	.954	3.2973	.005	1
S5	31.000	30.348	-.652	-2.10	6.3953	.003	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



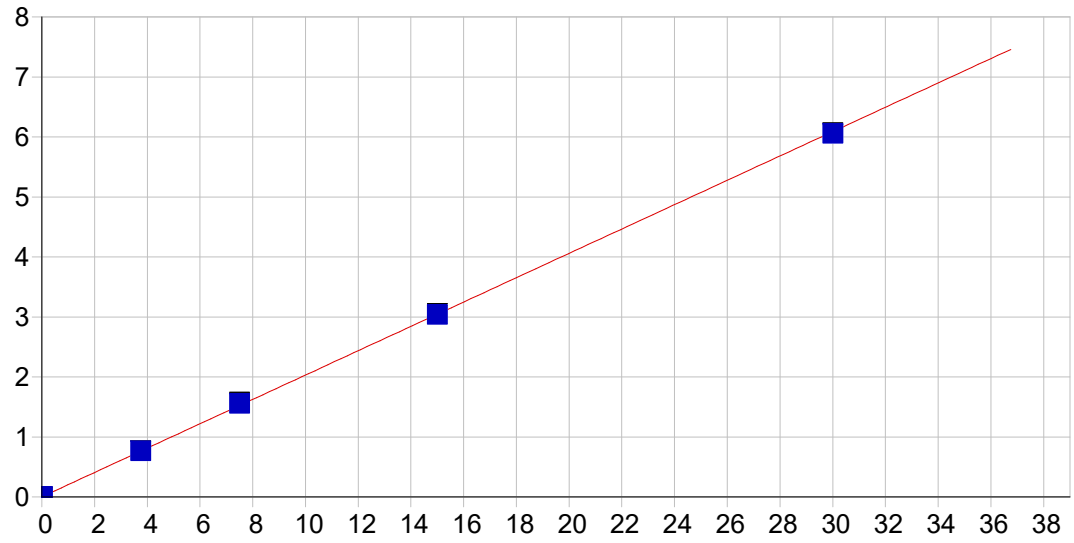
Co 228.616 {448}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000305	Re-Slope:	1.000000
A1 (Gain):	0.724041	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999986	Status:	OK.
Std Error of Est:	0.000101		
Predicted MDL:	0.000516		
Predicted MQL:	0.001721		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00031	.000	1
S1	.05000	.05204	.002	4.08	.03750	.000	1
S2	.62500	.62407	-.001	-.149	.45210	.000	1
S3	1.2500	1.2605	.010	.839	.91345	.003	1
S4	2.5000	2.5068	.007	.273	1.8170	.002	1
S5	5.0000	4.9816	-.018	-.369	3.6110	.003	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



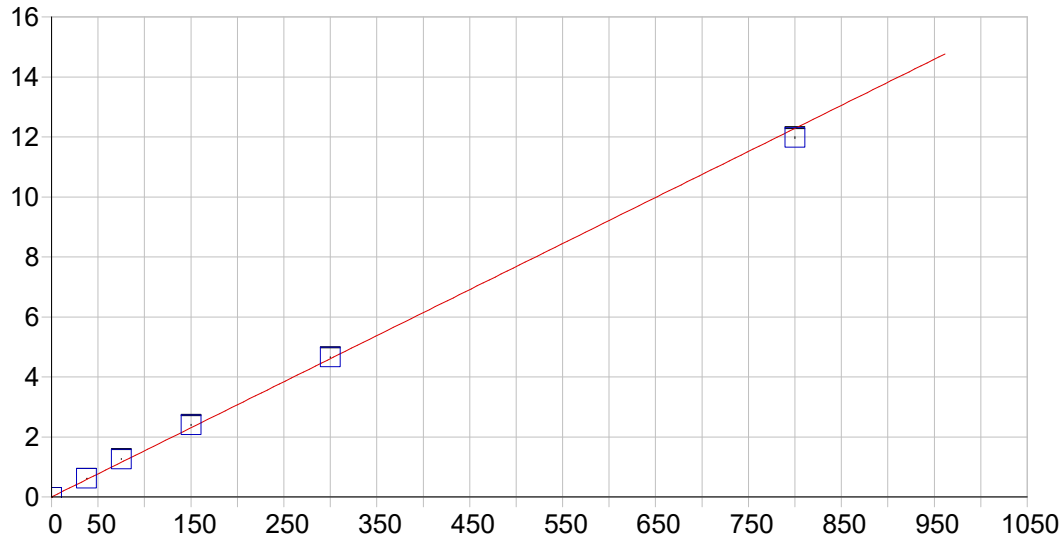
Cu 324.754 {104}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001820	Re-Slope:	1.000000
A1 (Gain):	0.202882	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999958	Status:	OK.
Std Error of Est:	0.000085		
Predicted MDL:	0.004308		
Predicted MQL:	0.014360		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00182	.001	1
S1	.02500	.02464	-.000	-1.43	.00682	.000	1
S2	3.7500	3.7635	.013	.359	.76487	.002	1
S3	7.5000	7.6684	.168	2.25	1.5566	.021	1
S4	15.000	14.976	-.024	-.157	3.0383	.016	1
S5	30.000	29.842	-.158	-.527	6.0523	.013	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



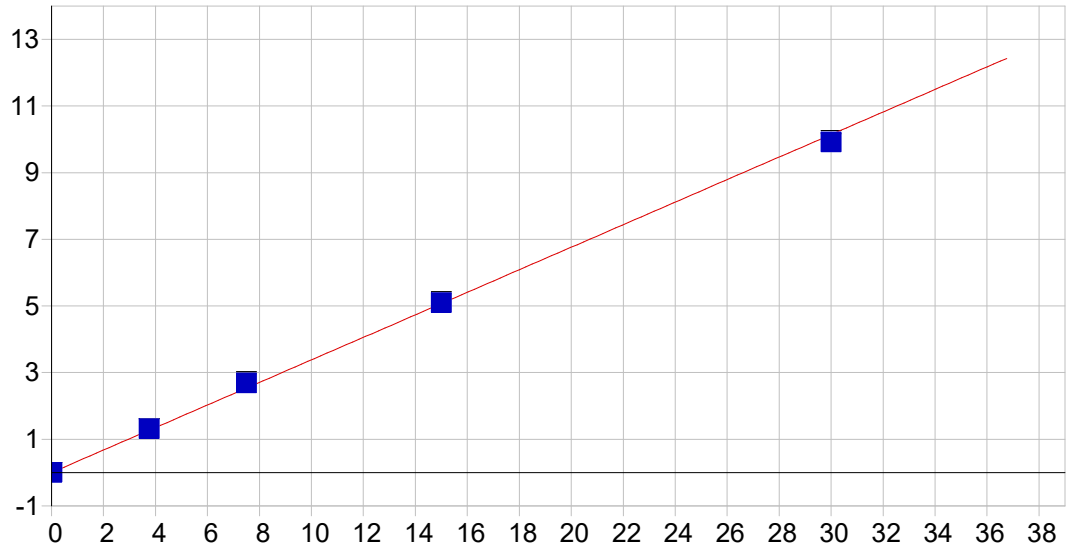
Fe 259.837 {130}

Date of Fit:	10/28/2024 17:21:04	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000407	Re-Slope:	1.000000
A1 (Gain):	0.015354	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999371	Status:	OK.
Std Error of Est:	0.000238		
Predicted MDL:	0.026222		
Predicted MQL:	0.087407		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00003	-.000	.000	.00041	.000	1
S1	.10000	.10966	.010	9.66	.00209	.000	1
S2	37.500	40.337	2.84	7.56	.61974	.003	1
S3	75.000	82.188	7.19	9.58	1.2623	.019	1
S4	150.00	156.40	6.40	4.27	2.4019	.019	1
S5	300.00	303.49	3.49	1.16	4.6603	.016	1
S6	800.00	780.07	-19.9	-2.49	11.978	.031	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



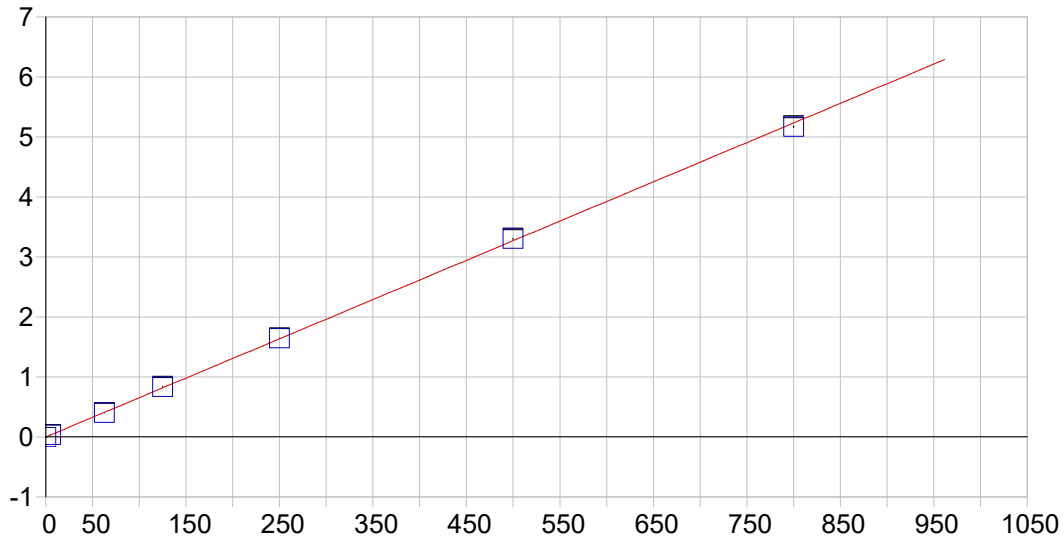
Mn 257.610 {131}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000164	Re-Slope:	1.000000
A1 (Gain):	0.338173	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999569	Status:	OK.
Std Error of Est:	0.000353		
Predicted MDL:	0.001267		
Predicted MQL:	0.004222		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00017	.000	1
S1	.01500	.01762	.003	17.5	.00581	.001	1
S2	3.7500	3.8940	.144	3.84	1.3169	.004	1
S3	7.5000	7.9489	.449	5.99	2.6883	.034	1
S4	15.000	15.081	.081	.541	5.1006	.029	1
S5	30.000	29.323	-.677	-2.26	9.9177	.046	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



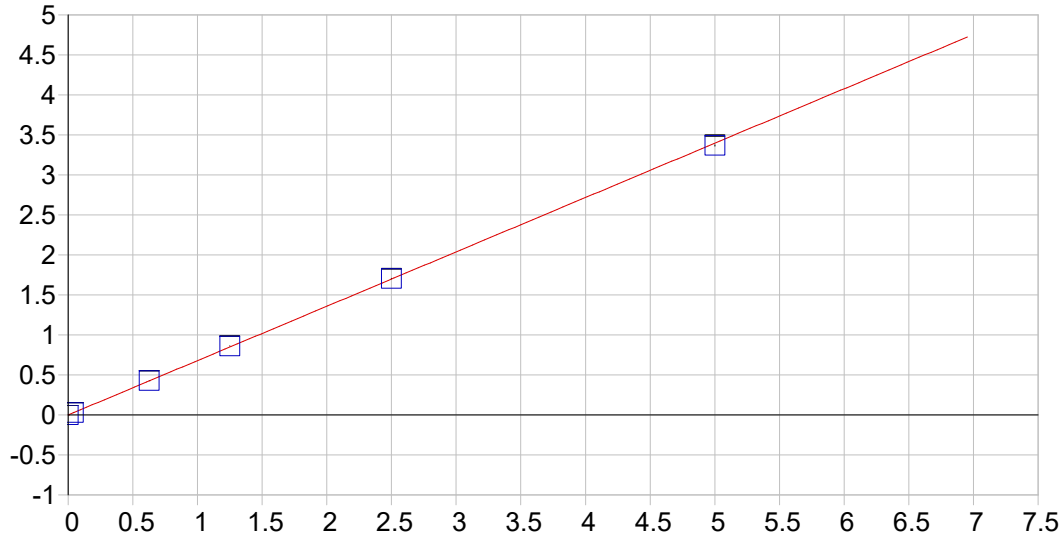
Mg 279.079 {121}

Date of Fit:	10/28/2024 17:21:04	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000399	Re-Slope:	1.000000
A1 (Gain):	0.006540	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999898	Status:	OK.
Std Error of Est:	0.000326		
Predicted MDL:	0.073561		
Predicted MQL:	0.245205		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00080	-.001	.000	-.00040	.000	1
S1	5.0000	5.7535	.753	15.1	.03723	.000	1
S2	62.500	61.369	-1.13	-1.81	.40098	.002	1
S3	125.00	127.75	2.75	2.20	.83510	.011	1
S4	250.00	251.51	1.51	.604	1.6446	.005	1
S5	500.00	505.09	5.09	1.02	3.3030	.014	1
S6	800.00	791.03	-8.97	-1.12	5.1732	.016	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



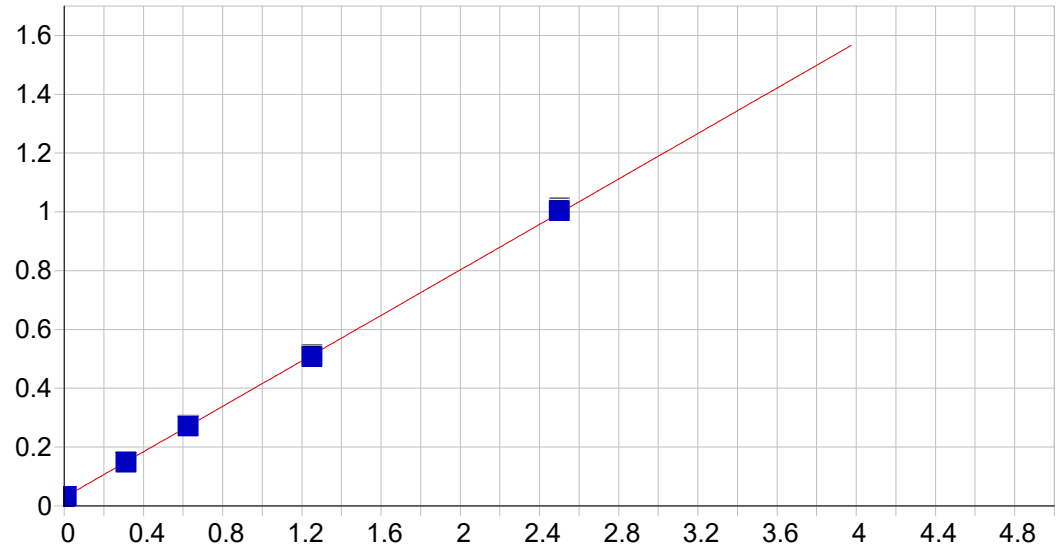
Ni 231.604 {446}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000731	Re-Slope:	1.000000
A1 (Gain):	0.679492	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999932	Status:	OK.
Std Error of Est:	0.000189		
Predicted MDL:	0.000588		
Predicted MQL:	0.001959		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.00073	.000	1
S1	.04000	.04467	.005	11.7	.02962	.001	1
S2	.62500	.63149	.006	1.04	.42836	.001	1
S3	1.2500	1.2691	.019	1.53	.86161	.003	1
S4	2.5000	2.5108	.011	.432	1.7053	.004	1
S5	5.0000	4.9589	-.041	-.821	3.3688	.007	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



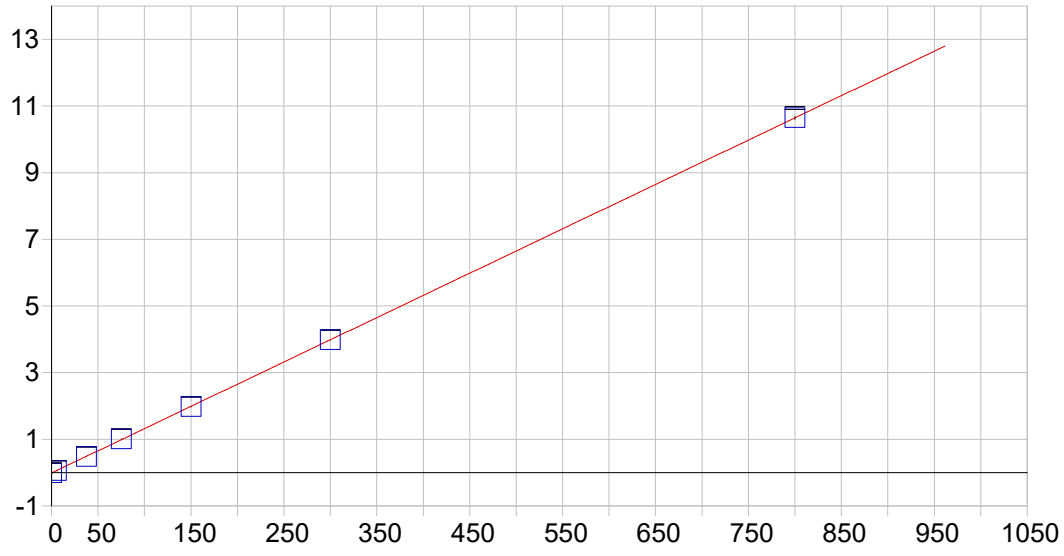
Ag 328.068 {103}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.029394	Re-Slope:	1.000000
A1 (Gain):	0.386645	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999954	Status:	OK.
Std Error of Est:	0.000031		
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	.02939	.000	1
S1	.01000	.01058	.001	5.79	.03347	.000	1
S2	.31250	.30726	-.005	-1.68	.14950	.000	1
S3	.62500	.62492	-.000	-.012	.27362	.000	1
S4	1.2500	1.2355	-.015	-1.16	.51229	.001	1
S5	2.5000	2.5193	.019	.771	1.0139	.001	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



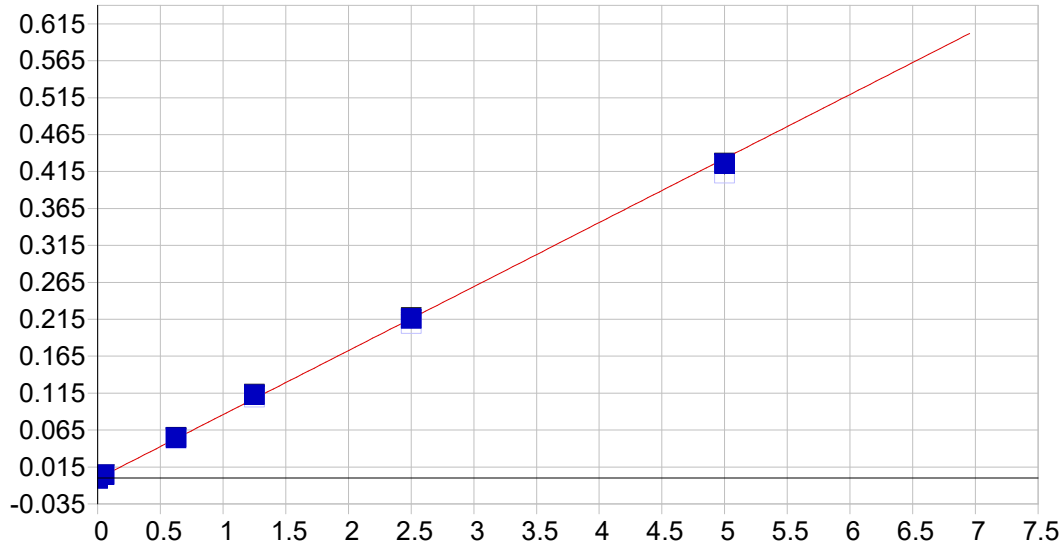
Na 818.326 { 41}

Date of Fit:	10/28/2024 17:21:04	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.012008	Re-Slope:	1.000000
A1 (Gain):	0.013321	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999983	Status:	OK.
Std Error of Est:	0.000237		
Predicted MDL:	0.298043		
Predicted MQL:	0.993477		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00006	-.000	.000	-.01201	.006	1
S1	5.0000	5.0870	.087	1.74	.05576	.003	1
S2	37.500	36.754	-.746	-1.99	.47761	.005	1
S3	75.000	76.421	1.42	1.90	1.0060	.011	1
S4	150.00	149.48	-.517	-.345	1.9793	.008	1
S5	300.00	299.71	-.293	-.098	3.9805	.008	1
S6	800.00	800.05	.047	.006	10.646	.043	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



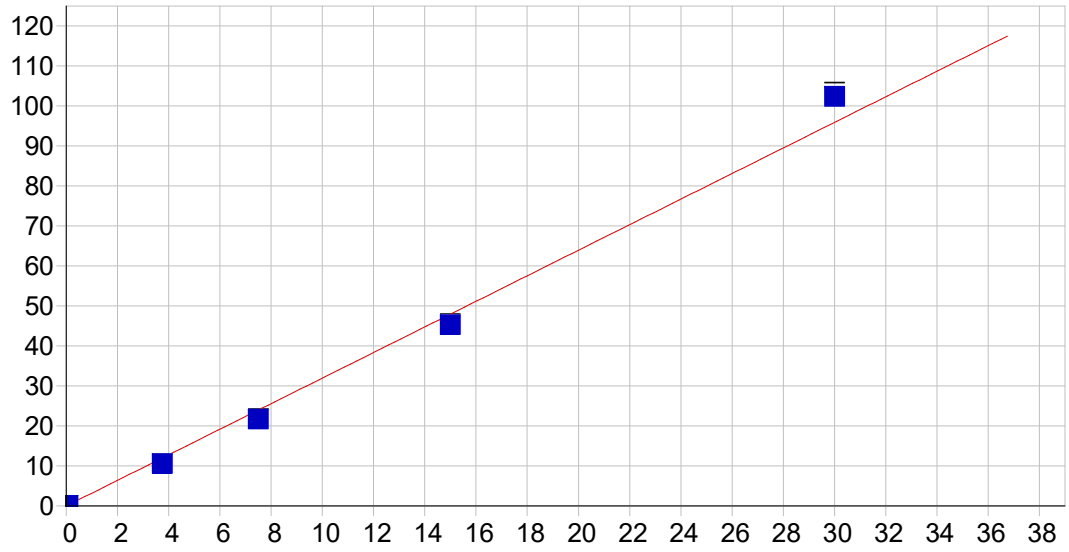
V 292.402 {115}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000844	Re-Slope:	1.000000
A1 (Gain):	0.086690	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999660	Status:	OK.
Std Error of Est:	0.000058		
Predicted MDL:	0.010012		
Predicted MQL:	0.033375		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.00084	.001	1
S1	.05000	.05927	.009	18.5	.00428	.000	1
S2	.62500	.63875	.014	2.20	.05286	.001	1
S3	1.2500	1.3084	.058	4.67	.10925	.001	1
S4	2.5000	2.4983	-.002	-.068	.20907	.001	1
S5	5.0000	4.9200	-.080	-1.60	.41236	.001	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



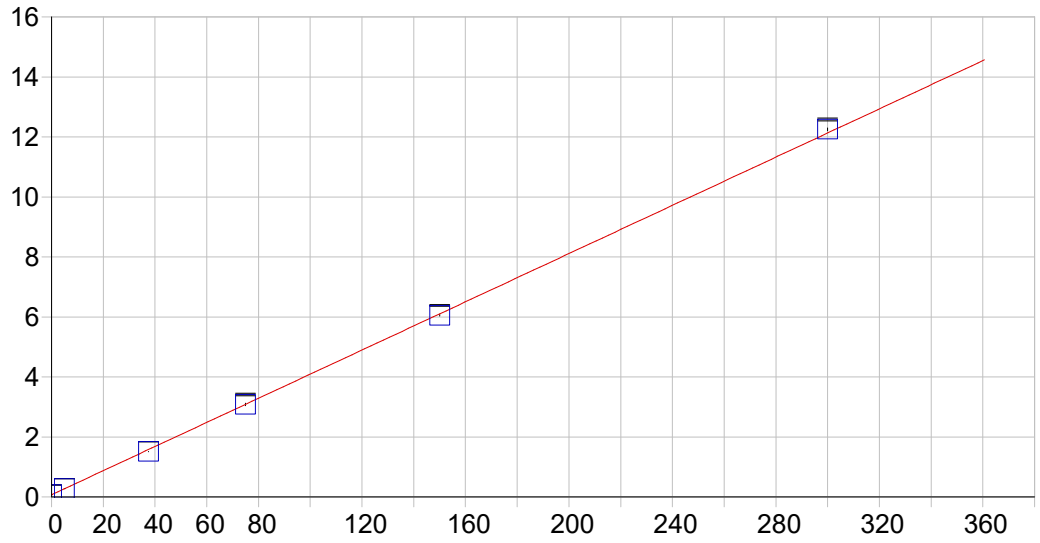
Zn 213.856 {158}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002192	Re-Slope:	1.000000
A1 (Gain):	3.197077	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.997271	Status:	OK.
Std Error of Est:	0.016859		
Predicted MDL:	0.000433		
Predicted MQL:	0.001442		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00224	.001	1
S1	.06000	.05696	-.003	-5.07	.18522	.001	1
S2	3.7500	3.2943	-.456	-12.2	10.549	.013	1
S3	7.5000	6.7762	-.724	-9.65	21.695	.074	1
S4	15.000	14.158	-.842	-5.61	45.324	.201	1
S5	30.000	32.025	2.02	6.75	102.50	.938	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



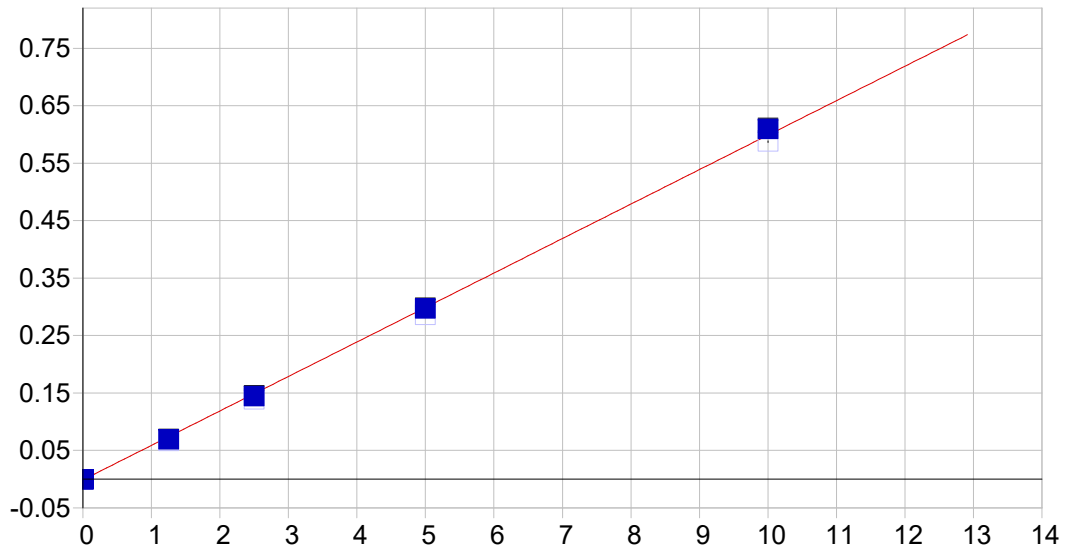
K 769.896 { 44}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.071976	Re-Slope:	1.000000
A1 (Gain):	0.040195	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999894	Status:	OK.
Std Error of Est:	0.001209		
Predicted MDL:	0.128821		
Predicted MQL:	0.429403		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00009	.000	.000	.07198	.004	1
S1	5.0000	5.1439	.144	2.88	.27873	.003	1
S2	37.500	35.818	-1.68	-4.49	1.5117	.006	1
S3	75.000	74.816	-.184	-.246	3.0792	.042	1
S4	150.00	148.73	-1.27	-.848	6.0501	.026	1
S5	300.00	302.99	2.99	.998	12.251	.046	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



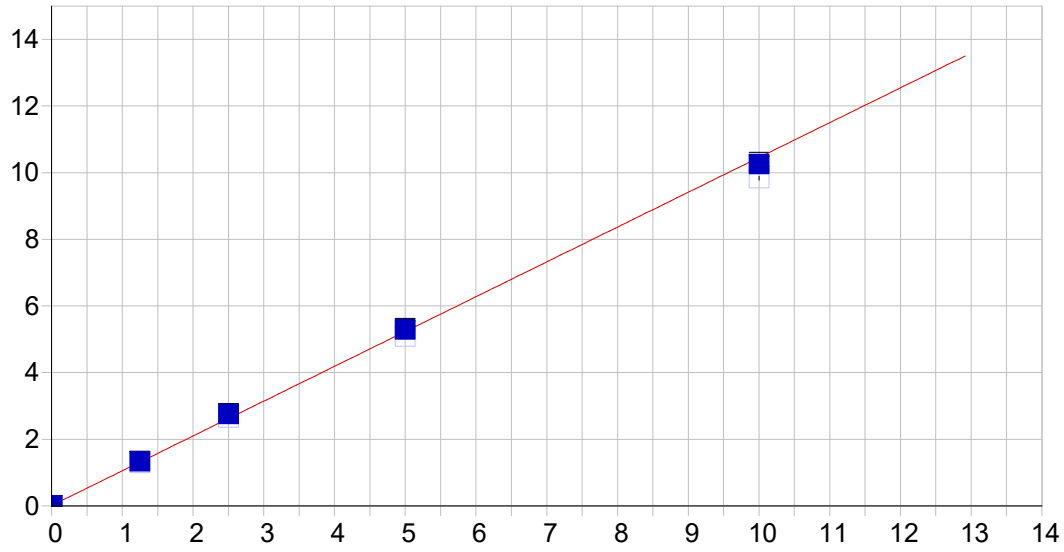
P 177.495 {490}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001142	Re-Slope:	1.000000
A1 (Gain):	0.059992	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999690	Status:	OK.
Std Error of Est:	0.000024		
Predicted MDL:	0.003409		
Predicted MQL:	0.011363		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00114	.000	1
S1	.01000	.01259	.003	25.9	-.00040	.000	1
S2	1.2500	1.1750	-.075	-6.00	.06659	.000	1
S3	2.5000	2.4260	-.074	-2.96	.13889	.001	1
S4	5.0000	4.9673	-.033	-.655	.28583	.001	1
S5	10.000	10.179	.179	1.79	.58746	.002	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



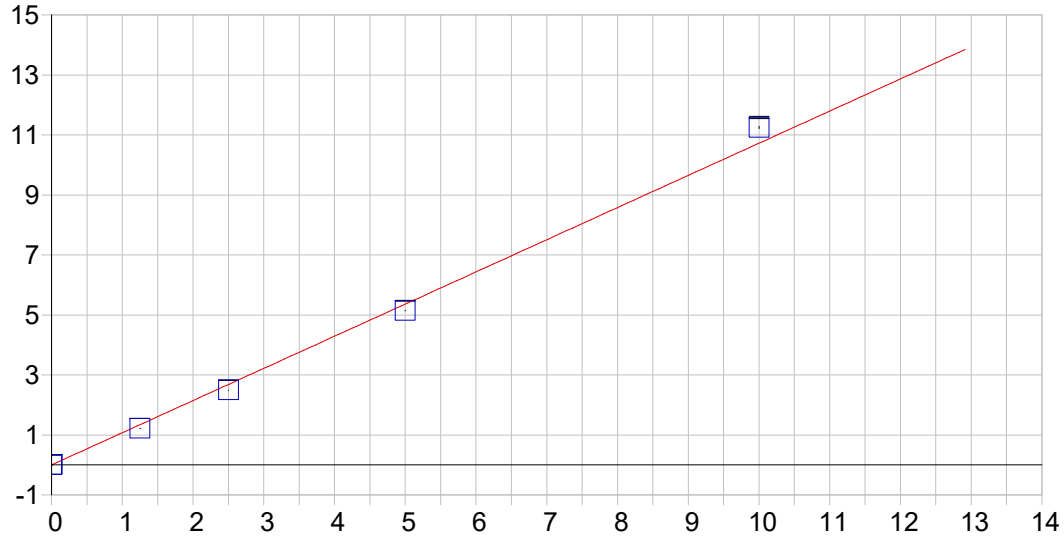
B 249.678 {135}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.009848	Re-Slope:	1.000000
A1 (Gain):	1.044726	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999415	Status:	OK.
Std Error of Est:	0.000575		
Predicted MDL:	0.001130		
Predicted MQL:	0.003767		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00986	.001	1
S1	.01000	.00055	-.009	-94.5	.01033	.001	1
S2	1.2500	1.2688	.019	1.51	1.2827	.005	1
S3	2.5000	2.6294	.129	5.18	2.6515	.019	1
S4	5.0000	5.0544	.054	1.09	5.0795	.036	1
S5	10.000	9.8071	-.193	-1.93	9.8340	.062	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



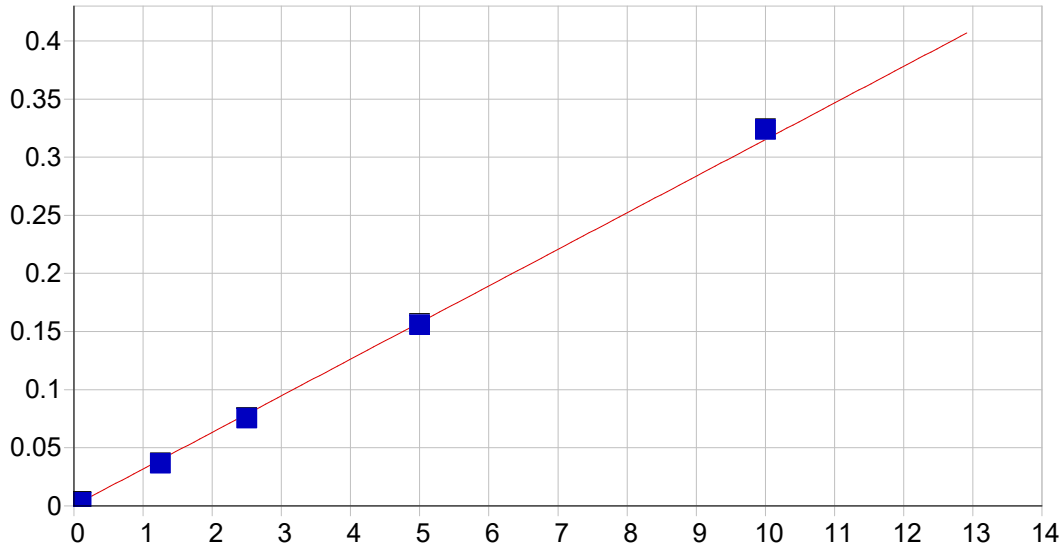
Mo 202.030 {467}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000009	Re-Slope:	1.000000
A1 (Gain):	1.072273	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998551	Status:	OK.
Std Error of Est:	0.000969		
Predicted MDL:	0.000454		
Predicted MQL:	0.001515		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00001	.000	1
S1	.01000	.00931	-.001	-6.95	.00997	.001	1
S2	1.2500	1.1363	-.114	-9.10	1.2184	.002	1
S3	2.5000	2.3257	-.174	-6.97	2.4938	.007	1
S4	5.0000	4.7997	-.200	-4.01	5.1466	.013	1
S5	10.000	10.489	.489	4.89	11.247	.038	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



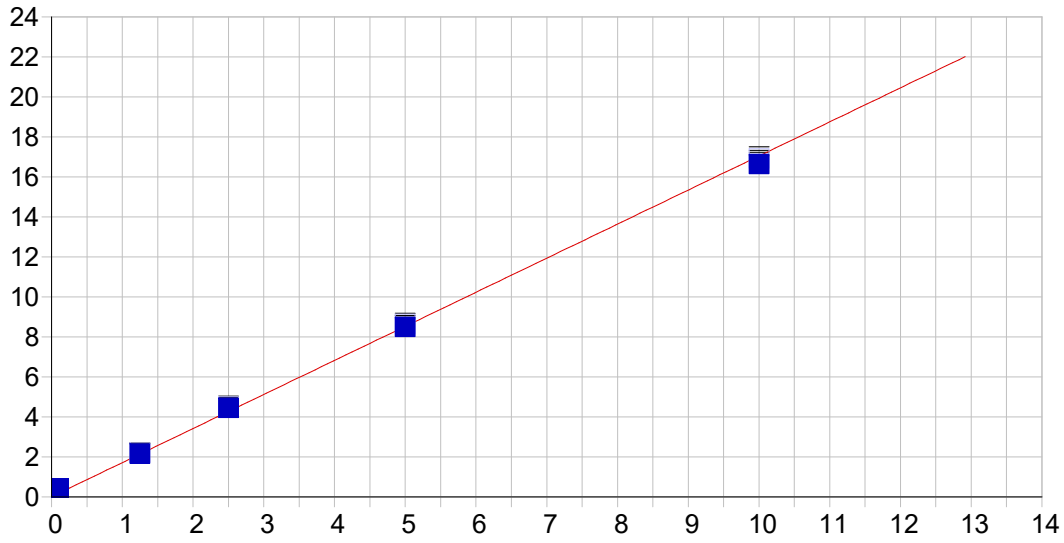
S 182.034 {485}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000312	Re-Slope:	1.000000
A1 (Gain):	0.031482	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999457	Status:	OK.
Std Error of Est:	0.000055		
Predicted MDL:	0.006365		
Predicted MQL:	0.021218		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00031	.000	1
S1	.10000	.09573	-.004	-4.27	.00332	.000	1
S2	1.2500	1.1536	-.096	-7.71	.03663	.000	1
S3	2.5000	2.3892	-.111	-4.43	.07554	.000	1
S4	5.0000	4.9418	-.058	-1.16	.15590	.001	1
S5	10.000	10.270	.270	2.70	.32366	.001	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



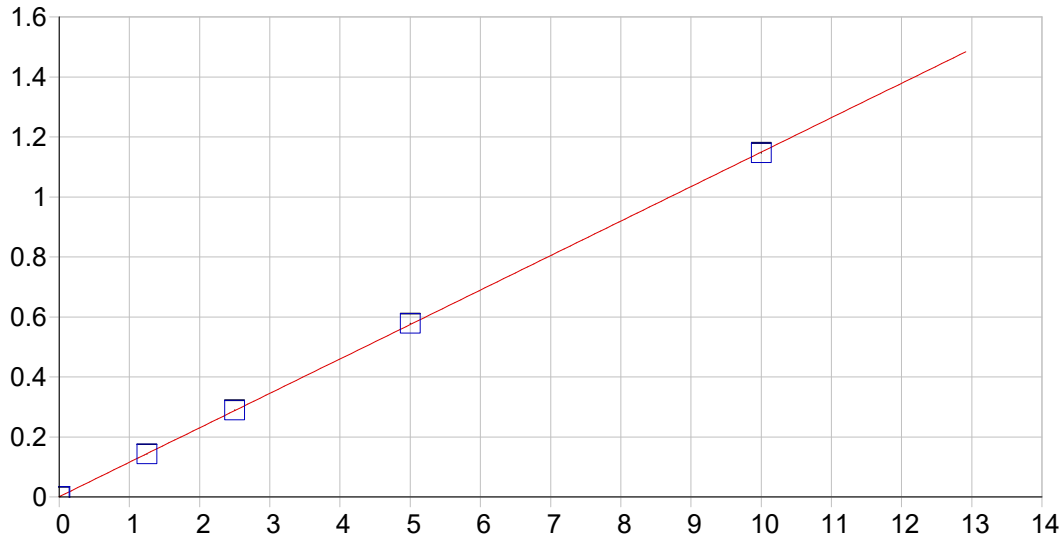
Si 251.611 {134}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.010036	Re-Slope:	1.000000
A1 (Gain):	1.703680	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.994837	Status:	OK.
Std Error of Est:	0.009384		
Predicted MDL:	0.000597		
Predicted MQL:	0.001989		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00014	-.000	.000	.00980	.000	1
S1	.10000	.23868	.139	139.	.41782	.001	1
S2	1.2500	1.2659	.016	1.27	2.2012	.011	1
S3	2.5000	2.6012	.101	4.05	4.5105	.036	1
S4	5.0000	4.9821	-.018	-.357	8.6357	.058	1
S5	10.000	9.7634	-.237	-2.37	16.919	.085	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



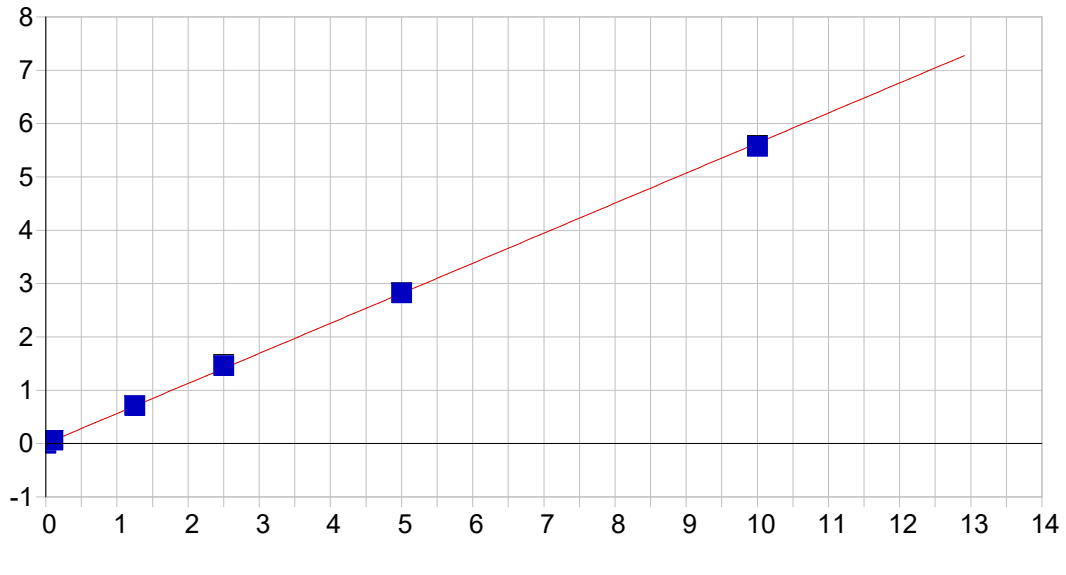
Sn 189.989 {478}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000571	Re-Slope:	1.000000
A1 (Gain):	0.114850	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999967	Status:	OK.
Std Error of Est:	0.000013		
Predicted MDL:	0.001752		
Predicted MQL:	0.005841		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00057	.000	1
S1	.00700	.00452	-.002	-35.4	.00109	.000	1
S2	1.2500	1.2358	-.014	-1.14	.14250	.000	1
S3	2.5000	2.5084	.008	.334	.28866	.001	1
S4	5.0000	5.0257	.026	.514	.57777	.001	1
S5	10.000	9.9826	-.017	-.174	1.1471	.002	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



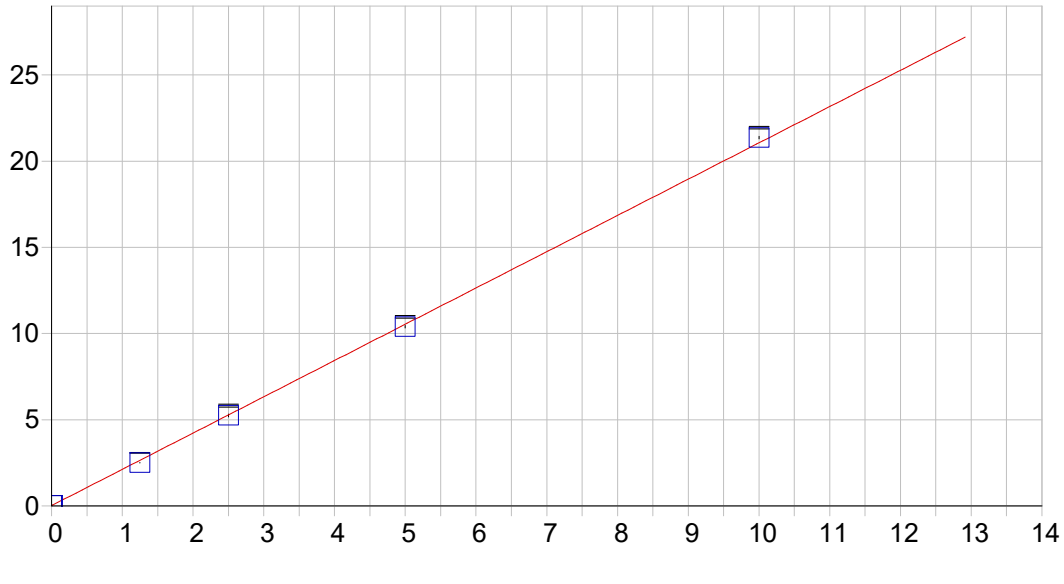
Ti 336.121 {100}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000431	Re-Slope:	1.000000
A1 (Gain):	0.563458	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999858	Status:	OK.
Std Error of Est:	0.000504		
Predicted MDL:	0.001806		
Predicted MQL:	0.006019		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00042	.001	1
S1	.10000	.10784	.008	7.84	.06117	.001	1
S2	1.2500	1.2615	.011	.916	.71085	.003	1
S3	2.5000	2.5885	.088	3.54	1.4582	.019	1
S4	5.0000	5.0126	.013	.253	2.8234	.009	1
S5	10.000	9.8796	-.120	-1.20	5.5644	.018	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



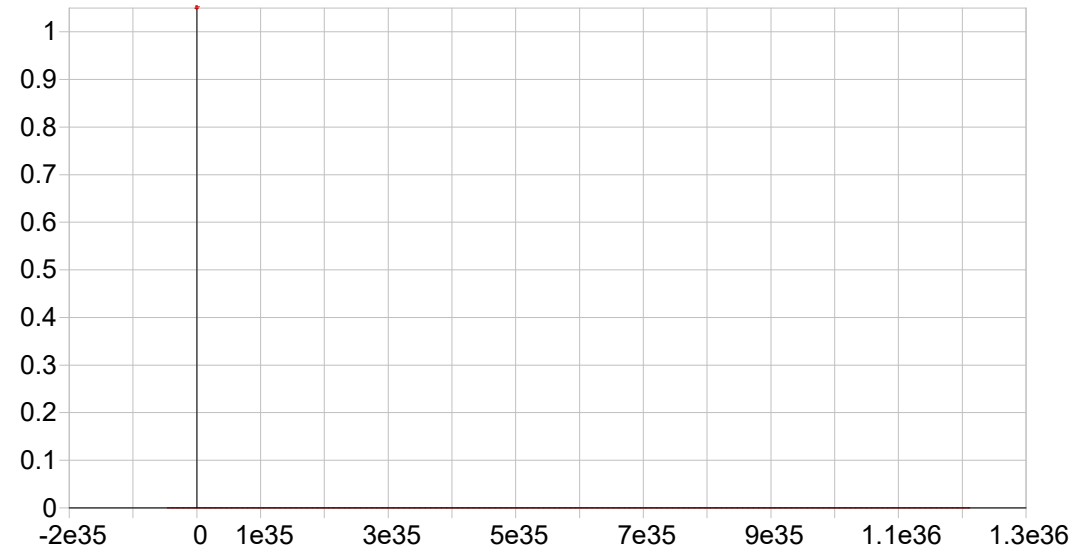
Li 670.784 { 50}

Date of Fit:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.016283	Re-Slope:	1.000000
A1 (Gain):	2.104613	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999820	Status:	OK.
Std Error of Est:	0.000819		
Predicted MDL:	0.001888		
Predicted MQL:	0.006292		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.01628	.003	1
S5	10.000	10.150	.150	1.50	21.377	.073	1
S4	5.0000	4.9307	-.069	-1.39	10.393	.077	1
S3	2.5000	2.4855	-.014	-.580	5.2473	.081	1
S2	1.2500	1.1843	-.066	-5.26	2.5087	.013	1
S1	.01500	.01488	-.000	-.826	.04759	.003	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

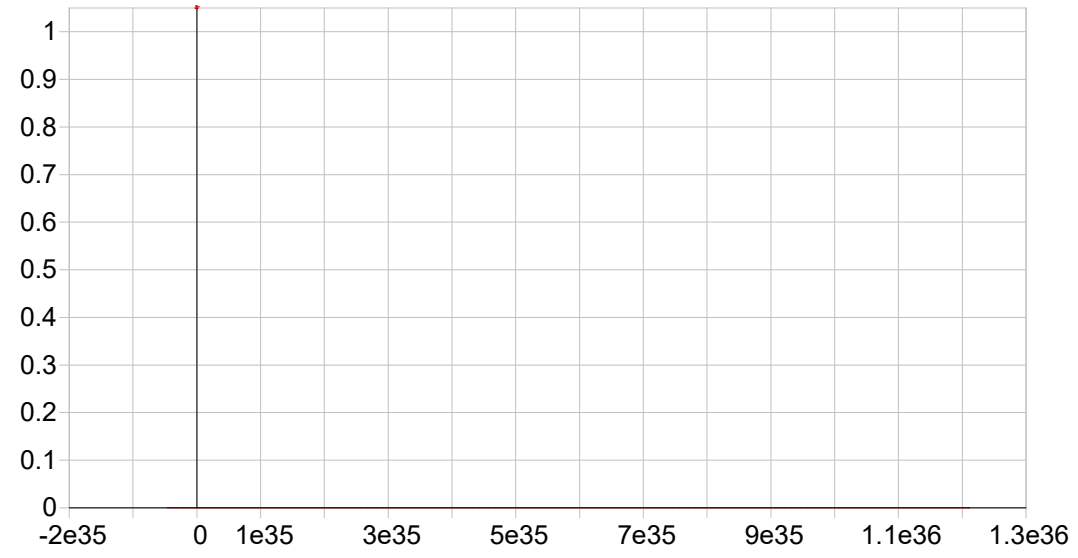


Y 224.306 {450}*

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

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

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



Y 360.073 { 94}*

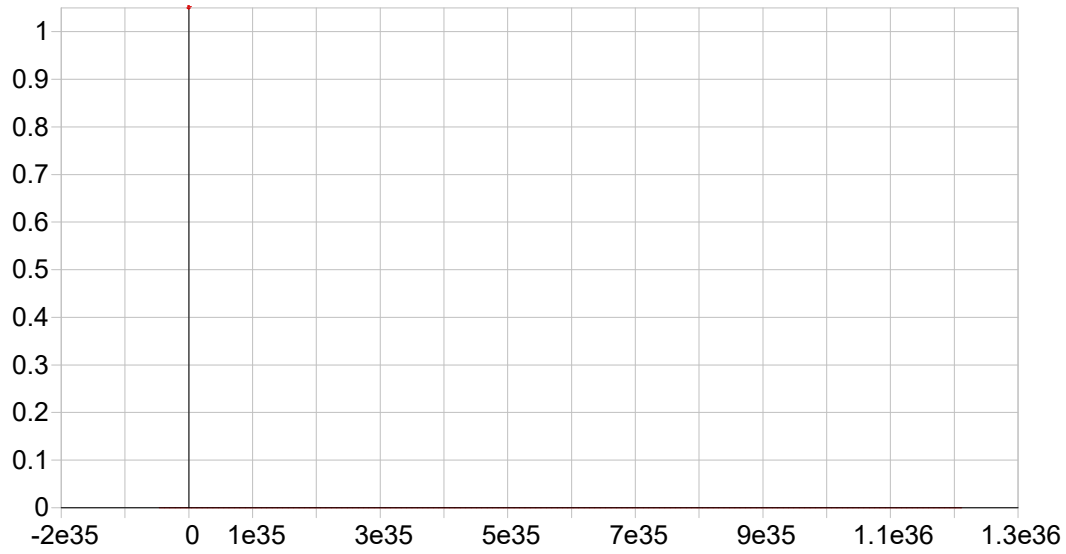
Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

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

Reviewed By:jaswal
On:10/30/2024 8:19:54 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



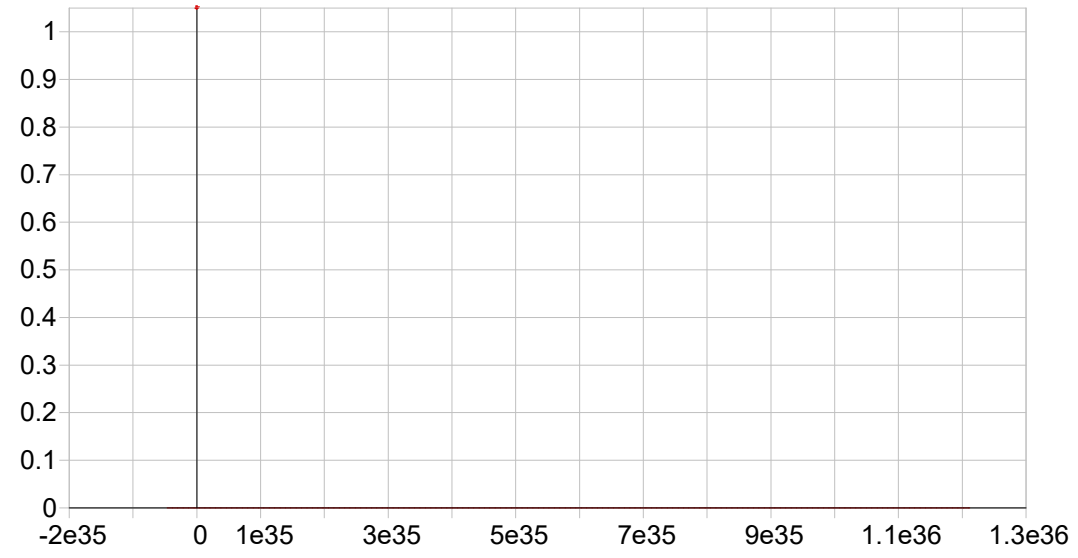
Y 371.030 { 91}*

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

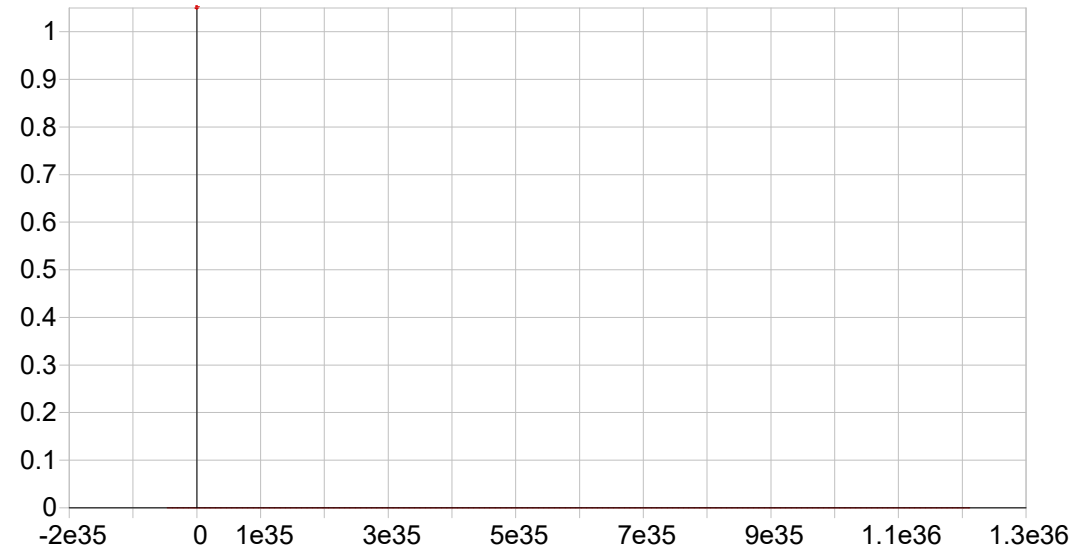
Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5



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



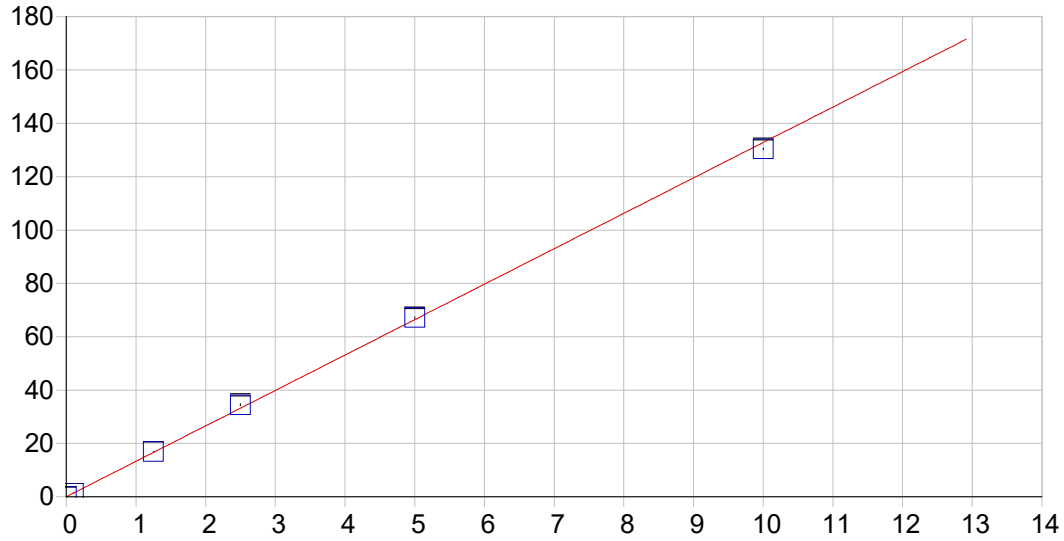
In 230.606 {446}*

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:jaswal
On:10/30/2024 8:19:54 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:	10/28/2024 17:16:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.004731	Re-Slope:	1.000000
A1 (Gain):	13.282069	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999763	Status:	OK.
Std Error of Est:	0.015354		
Predicted MDL:	0.000123		
Predicted MQL:	0.000409		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00002	-.000	.000	.00453	.001	1
S1	.10000	.11050	.011	10.5	1.4725	.000	1
S2	1.2500	1.2714	.021	1.71	16.892	.014	1
S3	2.5000	2.5941	.094	3.76	34.460	.425	1
S4	5.0000	5.0554	.055	1.11	67.151	.299	1
S5	10.000	9.8186	-.181	-1.81	130.42	.411	1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: S0 Acquired: 10/28/2024 16:50:07 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	.00011	-.00030	-.00090	.00068	-.00014	-.00331	.00036	-.00265
Stddev	.00034	.00012	.00021	.00031	.00020	.00152	.00289	.00068
%RSD	305.67	39.184	23.716	45.460	145.39	45.871	796.21	25.691
#1	.00021	-.00030	-.00109	.00065	.00007	-.00315	-.00118	-.00316
#2	.00039	-.00041	-.00067	.00039	-.00032	-.00188	.00369	-.00291
#3	-.00027	-.00018	-.00094	.00101	-.00015	-.00490	-.00143	-.00188

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	.00082	.00564	-.00026	-.00031	.00182	.00041	-.00017	-.00040
Stddev	.00013	.00186	.00003	.00029	.00067	.00010	.00043	.00037
%RSD	16.136	32.877	11.192	94.247	36.589	25.128	262.01	92.256
#1	.00087	.00448	-.00025	-.00039	.00142	.00050	-.00058	-.00017
#2	.00067	.00778	-.00024	.00002	.00259	.00041	.00029	-.00021
#3	.00092	.00466	-.00029	-.00054	.00145	.00030	-.00020	-.00083

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	-.00073	.02939	-.01201	-.00084	.00224	.07198	-.00114	.00986
Stddev	.00015	.00010	.00650	.00056	.00096	.00442	.00018	.00064
%RSD	20.152	.32457	54.098	65.980	42.679	6.1349	15.644	6.5092
#1	-.00087	.02938	-.01908	-.00135	.00242	.07699	-.00127	.00963
#2	-.00076	.02950	-.01064	-.00094	.00121	.07027	-.00122	.01058
#3	-.00058	.02931	-.00630	-.00024	.00310	.06867	-.00094	.00936

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	-.00001	.00031	.00980	.00057	.00042	.01628	.00453
Stddev	.00007	.00012	.00008	.00014	.00095	.00269	.00101
%RSD	1079.4	39.936	.77902	24.471	223.04	16.520	22.306
#1	.00000	.00039	.00985	.00046	.00146	.01917	.00511
#2	-.00008	.00038	.00971	.00053	-.00039	.01385	.00512
#3	.00006	.00017	.00983	.00073	.00020	.01583	.00336

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: S0 Acquired: 10/28/2024 16:50:07 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	894.90	21346.	2440.4	788.31	1709.5
Stddev	1.07	38.	10.0	1.58	1.6
%RSD	.11918	.17712	.40875	.20001	.09310
#1	893.77	21313.	2432.0	787.44	1707.8
#2	895.02	21387.	2437.8	790.13	1709.8
#3	895.90	21339.	2451.4	787.35	1711.0

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: S1 Acquired: 10/28/2024 16:54:42 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	.00047	.00168	.00081	.00358	.01289	.02331	1.3785	.04376
Stddev	.00019	.00016	.00024	.00017	.00085	.00168	.0064	.00087
%RSD	41.360	9.4237	29.486	4.7310	6.5805	7.2006	.46426	1.9906
#1	.00049	.00168	.00098	.00363	.01386	.02297	1.3733	.04351
#2	.00026	.00184	.00090	.00373	.01248	.02183	1.3856	.04472
#3	.00065	.00152	.00054	.00340	.01232	.02513	1.3766	.04304

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	.01376	.47724	.00216	.03750	.00682	.00209	.00581	.03723
Stddev	.00024	.00036	.00010	.00037	.00038	.00035	.00056	.00045
%RSD	1.7384	.07579	4.6341	.98002	5.5848	16.797	9.6583	1.2092
#1	.01355	.47760	.00222	.03782	.00667	.00205	.00516	.03751
#2	.01371	.47723	.00223	.03758	.00725	.00176	.00619	.03671
#3	.01402	.47688	.00205	.03710	.00653	.00246	.00607	.03747

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	.02962	.03347	.05576	.00428	.18522	.27873	-.00040	.01033
Stddev	.00061	.00009	.00308	.00043	.00150	.00340	.00020	.00134
%RSD	2.0695	.25523	5.5327	9.9224	.80757	1.2193	50.471	12.979
#1	.03027	.03339	.05484	.00421	.18364	.27690	-.00044	.00893
#2	.02904	.03346	.05324	.00474	.18539	.27664	-.00018	.01160
#3	.02956	.03356	.05920	.00390	.18662	.28265	-.00058	.01046

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	.00997	.00332	.41782	.00109	.06117	.04759	1.4725
Stddev	.00054	.00021	.00058	.00011	.00103	.00317	.0003
%RSD	5.4153	6.1712	.13862	10.078	1.6912	6.6511	.01684
#1	.00949	.00350	.41716	.00096	.06237	.05114	1.4726
#2	.00986	.00310	.41805	.00116	.06057	.04658	1.4722
#3	.01055	.00338	.41825	.00115	.06059	.04505	1.4726

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: S1 Acquired: 10/28/2024 16:54:42 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	897.19	21423.	2461.9	791.00	1692.7
Stddev	2.10	15.	8.6	.60	1.2
%RSD	.23437	.07224	.34810	.07591	.07156
#1	898.84	21414.	2470.7	791.68	1692.7
#2	897.89	21441.	2461.6	790.54	1693.9
#3	894.82	21415.	2453.5	790.79	1691.4

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: S2 Acquired: 10/28/2024 16:59:14 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	.04054	.10079	1.0476	.10127	.26045	4.7856	15.788	1.0621
Stddev	.00044	.00012	.0037	.00029	.00080	.0032	.054	.0047
%RSD	1.0773	.11927	.35378	.29092	.30839	.06757	.34044	.44074
#1	.04031	.10078	1.0518	.10099	.26071	4.7820	15.746	1.0577
#2	.04104	.10091	1.0463	.10158	.25955	4.7867	15.848	1.0617
#3	.04026	.10067	1.0447	.10123	.26110	4.7882	15.769	1.0670

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	1.4868	5.2921	.85530	.45210	.76487	.61974	1.3169	.40098
Stddev	.0018	.0223	.00090	.00037	.00161	.00273	.0040	.00155
%RSD	.12105	.42128	.10561	.08184	.21070	.44056	.30299	.38594
#1	1.4889	5.2732	.85469	.45233	.76670	.61751	1.3128	.39952
#2	1.4856	5.3167	.85486	.45229	.76366	.62279	1.3208	.40260
#3	1.4859	5.2863	.85633	.45167	.76426	.61894	1.3171	.40080

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	.42836	.14950	.47761	.05286	10.549	1.5117	.06659	1.2827
Stddev	.00120	.00013	.00525	.00063	.013	.0060	.00032	.0047
%RSD	.28042	.08579	1.0988	1.1957	.12535	.39409	.48001	.36399
#1	.42974	.14949	.47241	.05326	10.534	1.5144	.06678	1.2785
#2	.42782	.14937	.48291	.05214	10.558	1.5048	.06622	1.2820
#3	.42753	.14963	.47750	.05320	10.554	1.5158	.06678	1.2877

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	1.2184	.03663	2.2012	.14250	.71085	2.5087	16.892
Stddev	.0019	.00019	.0105	.00050	.00311	.0126	.014
%RSD	.15853	.51363	.47719	.34775	.43747	.50334	.08398
#1	1.2161	.03668	2.1891	.14303	.71138	2.4969	16.891
#2	1.2196	.03643	2.2071	.14241	.70751	2.5220	16.906
#3	1.2193	.03679	2.2075	.14205	.71366	2.5073	16.878

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: S2 Acquired: 10/28/2024 16:59:14 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	846.71	21067.	2482.6	740.73	1539.7
Stddev	1.21	50.	7.5	.65	1.9
%RSD	.14281	.23896	.30027	.08761	.12300
#1	847.39	21010.	2491.2	740.33	1537.8
#2	847.43	21104.	2478.1	740.38	1541.6
#3	845.32	21089.	2478.5	741.48	1539.8

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: S3 Acquired: 10/28/2024 17:03:32 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	.08284	.20074	2.1060	.20370	.53415	9.9202	32.604	2.1778
Stddev	.00012	.00126	.0060	.00133	.00237	.1365	.465	.0118
%RSD	.14199	.62915	.28578	.65135	.44458	1.3759	1.4253	.53943
#1	.08272	.20219	2.1098	.20498	.53680	10.075	33.131	2.1909
#2	.08286	.19990	2.1091	.20381	.53344	9.8168	32.251	2.1741
#3	.08295	.20013	2.0991	.20233	.53221	9.8688	32.432	2.1683

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	2.9842	10.879	1.6999	.91345	1.5566	1.2623	2.6883	.83510
Stddev	.0090	.154	.0031	.00279	.0205	.0185	.0344	.01090
%RSD	.30081	1.4178	.18377	.30489	1.3203	1.4669	1.2800	1.3049
#1	2.9916	11.054	1.6963	.91556	1.5803	1.2833	2.7276	.84715
#2	2.9868	10.765	1.7016	.91449	1.5433	1.2483	2.6636	.82593
#3	2.9742	10.817	1.7018	.91029	1.5463	1.2554	2.6738	.83223

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	.86161	.27362	1.0060	.10925	21.695	3.0792	.13889	2.6515
Stddev	.00257	.00037	.0113	.00099	.074	.0418	.00113	.0193
%RSD	.29834	.13383	1.1182	.90364	.34063	1.3574	.81557	.72705
#1	.86349	.27385	1.0184	.11028	21.751	3.1272	.14019	2.6737
#2	.86265	.27382	.99637	.10915	21.724	3.0515	.13829	2.6417
#3	.85868	.27320	1.0033	.10831	21.611	3.0587	.13817	2.6390

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	2.4938	.07554	4.5105	.28866	1.4582	5.2473	34.460
Stddev	.0067	.00048	.0360	.00107	.0194	.0812	.425
%RSD	.26791	.63838	.79815	.37165	1.3300	1.5465	1.2348
#1	2.5011	.07566	4.5516	.28987	1.4804	5.3407	34.948
#2	2.4923	.07594	4.4846	.28824	1.4445	5.1941	34.168
#3	2.4880	.07500	4.4952	.28786	1.4498	5.2071	34.263

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: S3 Acquired: 10/28/2024 17:03:32 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	806.23	20497.	2367.2	691.41	1463.9
Stddev	3.13	31.	19.2	4.19	5.1
%RSD	.38874	.15223	.81238	.60648	.34622
#1	803.65	20496.	2345.1	687.45	1461.4
#2	805.32	20466.	2376.2	690.97	1460.5
#3	809.72	20528.	2380.2	695.80	1469.7

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: S4 Acquired: 10/28/2024 17:07:48 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	.17051	.38930	4.1787	.42240	1.1206	19.524	63.021	4.1720
Stddev	.00008	.00005	.0051	.00146	.0008	.093	.418	.0119
%RSD	.04860	.01163	.12144	.34658	.06682	.47501	.66369	.28471
#1	.17059	.38927	4.1792	.42364	1.1214	19.438	62.664	4.1585
#2	.17043	.38935	4.1733	.42079	1.1204	19.623	63.481	4.1763
#3	.17050	.38928	4.1834	.42277	1.1199	19.511	62.917	4.1810

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	5.8712	20.956	3.2973	1.8170	3.0383	2.4019	5.1006	1.6446
Stddev	.0092	.125	.0052	.0017	.0164	.0188	.0294	.0046
%RSD	.15723	.59531	.15761	.09175	.54047	.78089	.57615	.28221
#1	5.8813	20.857	3.3025	1.8171	3.0219	2.3915	5.0711	1.6405
#2	5.8632	21.096	3.2974	1.8152	3.0548	2.4235	5.1298	1.6496
#3	5.8691	20.916	3.2921	1.8186	3.0382	2.3905	5.1009	1.6435

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	1.7053	.51229	1.9793	.20907	45.324	6.0501	.28583	5.0795
Stddev	.0043	.00118	.0080	.00142	.201	.0263	.00148	.0365
%RSD	.25473	.22986	.40280	.67998	.44298	.43534	.51939	.71810
#1	1.7094	.51330	1.9753	.20803	45.380	6.0202	.28749	5.0377
#2	1.7008	.51100	1.9885	.21069	45.491	6.0701	.28463	5.0956
#3	1.7058	.51257	1.9741	.20850	45.102	6.0599	.28536	5.1050

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	5.1466	.15590	8.6357	.57777	2.8234	10.393	67.151
Stddev	.0126	.00080	.0576	.00104	.0094	.077	.299
%RSD	.24540	.51278	.66661	.18061	.33221	.74186	.44470
#1	5.1606	.15670	8.5696	.57884	2.8155	10.330	66.848
#2	5.1431	.15510	8.6632	.57773	2.8338	10.479	67.445
#3	5.1360	.15592	8.6745	.57675	2.8210	10.371	67.159

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: S4 Acquired: 10/28/2024 17:07:48 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	739.79	20064.	2380.6	612.40	1374.2
Stddev	2.21	92.	8.9	3.45	3.5
%RSD	.29940	.46094	.37555	.56361	.25126
#1	737.43	19960.	2390.6	609.72	1371.4
#2	741.82	20137.	2378.1	611.18	1378.1
#3	740.13	20095.	2373.2	616.29	1373.1

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: S5 Acquired: 10/28/2024 17:12:00 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	.35379	.75951	8.3522	.93889	2.5374	39.484	123.86	8.2002
Stddev	.00098	.00044	.0074	.00399	.0134	.105	1.39	.0352
%RSD	.27795	.05775	.08841	.42504	.52793	.26471	1.1224	.42952
#1	.35312	.75911	8.3469	.93556	2.5231	39.463	123.26	8.2156
#2	.35334	.75944	8.3490	.93780	2.5395	39.598	125.45	8.2251
#3	.35492	.75998	8.3606	.94331	2.5497	39.392	122.86	8.1599

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	11.541	41.404	6.3953	3.6110	6.0523	4.6603	9.9177	3.3030
Stddev	.011	.168	.0034	.0026	.0131	.0161	.0464	.0138
%RSD	.09733	.40672	.05361	.07152	.21702	.34465	.46747	.41841
#1	11.532	41.403	6.3961	3.6080	6.0516	4.6575	9.9064	3.3001
#2	11.538	41.573	6.3983	3.6125	6.0658	4.6776	9.9687	3.3181
#3	11.554	41.236	6.3916	3.6124	6.0396	4.6458	9.8781	3.2909

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	3.3688	1.0139	3.9805	.41236	102.50	12.251	.58746	9.8340
Stddev	.0072	.0009	.0076	.00054	.94	.046	.00161	.0616
%RSD	.21354	.09032	.19117	.13123	.91543	.37201	.27487	.62656
#1	3.3612	1.0134	3.9754	.41261	101.94	12.236	.58595	9.8438
#2	3.3697	1.0149	3.9892	.41272	101.98	12.302	.58916	9.8900
#3	3.3756	1.0133	3.9768	.41173	103.59	12.214	.58728	9.7680

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	11.247	.32366	16.919	1.1471	5.5644	21.377	130.42
Stddev	.038	.00060	.085	.0017	.0183	.073	.41
%RSD	.33690	.18661	.50282	.14383	.32918	.34220	.31485
#1	11.208	.32299	16.959	1.1452	5.5505	21.407	130.09
#2	11.250	.32379	16.977	1.1484	5.5851	21.431	130.88
#3	11.283	.32418	16.822	1.1476	5.5574	21.294	130.28

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: S5 Acquired: 10/28/2024 17:12:00 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	631.19	19415.	2348.7	476.37	1271.8
Stddev	2.42	34.	11.4	4.66	1.5
%RSD	.38333	.17642	.48329	.97718	.12054
#1	633.96	19450.	2345.4	480.17	1273.6
#2	630.12	19381.	2339.4	477.76	1270.8
#3	629.49	19414.	2361.4	471.18	1271.0

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: S6 Acquired: 10/28/2024 17:16:26 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	99.391	64.567	11.978	5.1732	10.646
Stddev	1.241	.252	.031	.0159	.043
%RSD	1.2483	.39103	.26080	.30835	.39981
#1	99.955	64.385	11.957	5.1635	10.608
#2	97.968	64.460	11.962	5.1646	10.637
#3	100.25	64.855	12.014	5.1916	10.692

Int. Std.	Y_3710
Units	Cts/S
Avg	2329.8
Stddev	7.3
%RSD	.31176
#1	2324.2
#2	2338.0
#3	2327.2

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: ICV003 Acquired: 10/28/2024 19:08:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV003 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.078664	1.037446	.9720514	1.081029	1.035867	2.342887
Stddev	.011770	.004737	.0036240	.012413	.003482	.015104
%RSD	1.091154	.4566217	.3728189	1.148250	.3361547	.6446725
#1	1.065420	1.035506	.9696841	1.079689	1.035546	2.333595
#2	1.087927	1.033985	.9702468	1.094057	1.039498	2.334751
#3	1.082645	1.042845	.9762234	1.069340	1.032556	2.360314

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5010504	.5233597	.4942827	9.955398	.5496429	.4884985
Stddev	.0015272	.0016482	.0006224	.041153	.0000826	.0011275
%RSD	.3048001	.3149262	.1259294	.4133705	.0150237	.2308034
#1	.5006211	.5223478	.4935725	9.937399	.5496073	.4877158
#2	.5027463	.5252616	.4945421	10.00248	.5497374	.4897908
#3	.4997838	.5224697	.4947335	9.92631	.5495842	.4879889

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4810785	10.62924	.5232464	5.567925	.5002298	.2371295
Stddev	.0030982	.02330	.0031212	.053667	.0008384	.0006863
%RSD	.6440070	.2192127	.5965060	.9638673	.1676004	.2894296
#1	.4777708	10.61685	.5217899	5.629016	.4994899	.2366602
#2	.4815523	10.65612	.5268296	5.528374	.5011404	.2379172
#3	.4839126	10.61477	.5211197	5.546384	.5000590	.2368111

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.513826	.5288124	1.005705	9.001118	F .0040577	F .0043204
Stddev	.176364	.0070920	.003631	.052636	.0005397	.0017096
%RSD	1.853763	1.341110	.3610237	.5847770	13.30011	39.56952
#1	9.420758	.5362592	1.002908	8.997117	.0043900	.0061869
#2	9.403491	.5280396	1.004400	9.055641	.0034350	.0039439
#3	9.717229	.5221386	1.009808	8.950597	.0043480	.0028305

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: ICV003 Acquired: 10/28/2024 19:08:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV003 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.000117	F -.002917	F .0022244	F -.003544	F -.000981	F -.005330
Stddev	.000650	.004817	.0007010	.000968	.000981	.001833
%RSD	556.9064	165.1094	31.51304	27.31765	99.99607	34.38548
#1	.000204	-.008459	.0023071	-.002596	-.002089	-.006947
#2	.000310	-.000556	.0014857	-.004531	-.000226	-.005704
#3	-.000864	.000263	.0028804	-.003506	-.000627	-.003339

Elem	Sr4077
Units	ppm
Avg	F .0011315
Stddev	.0000890
%RSD	7.867062
#1	.0011198
#2	.0010490
#3	.0012258

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	884.3386	21398.77	2438.517	786.1499	1659.502
Stddev	2.0046	30.82	7.601	2.1476	1.025
%RSD	.2266798	.1440461	.3116943	.2731847	.0617441
#1	884.6459	21426.95	2435.630	788.3443	1659.290
#2	882.1981	21365.85	2432.783	786.0529	1658.600
#3	886.1718	21403.52	2447.138	784.0523	1660.616

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: ICB003 Acquired: 10/28/2024 19:13:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB003 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001040	-.001424	-.002010	-.001285	.0015155	.0098783	-.000114
Stddev	.003547	.002972	.003478	.002614	.0013398	.0062509	.000707
%RSD	341.0673	208.7232	173.0612	203.4915	88.41181	63.27894	621.3058
#1	-.004547	-.000834	.001209	-.002529	.0028390	.0031592	.000651
#2	.002545	.001209	-.001540	.001719	.0015475	.0109544	-.000743
#3	-.001117	-.004647	-.005699	-.003044	.0001599	.0155213	-.000248

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000575	.0000917	.0086801	-.000024	-.000205	-.002395	-.000273
Stddev	.0000316	.0001253	.0177688	.000243	.000292	.001845	.019078
%RSD	54.87924	136.5718	204.7059	994.2427	142.5325	77.03291	6999.673
#1	.0000255	.0000623	-.004048	.000240	-.000451	-.004221	-.021526
#2	.0000584	.0002291	.028981	-.000239	-.000282	-.000532	.005335
#3	.0000887	-.000016	.001108	-.000074	.000118	-.002431	.015373

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001418	-.014514	.0001511	-.001029	-.384958	.0008381	-.000502
Stddev	.0010105	.043638	.0002473	.000266	.111532	.0097614	.000137
%RSD	712.6596	300.6518	163.6375	25.84014	28.97259	1164.706	27.36296
#1	-.000766	-.064765	.0000235	-.001201	-.474531	.0118646	-.000552
#2	.001230	.007383	.0004362	-.001162	-.420309	-.006699	-.000608
#3	-.000039	.013839	-.000006	-.000723	-.260034	-.002651	-.000347

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.090009	-.000436	-.005405	.0000869	-.001293	.0004008	-.000945
Stddev	.120703	.001183	.000328	.0003230	.002333	.0004852	.000687
%RSD	134.1020	271.4998	6.076446	371.8334	180.4091	121.0652	72.70149
#1	-.210639	.000626	-.005477	.0002860	-.003972	.0009586	-.000715
#2	-.090155	-.001711	-.005693	.0002604	-.000205	.0000772	-.000402
#3	.030768	-.000222	-.005047	-.000286	.000297	.0001664	-.001717

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: ICB003 Acquired: 10/28/2024 19:13:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB003 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0004787	-.006673	-.000083
Stddev	.0023828	.000841	.000187
%RSD	497.7894	12.60799	224.4955
#1	-.001672	-.007393	.000048
#2	.000068	-.006879	-.000298
#3	.003040	-.005748	-.000001

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	889.8567	21419.27	2447.550	792.1008	1697.821
Stddev	2.9180	52.42	7.957	2.6861	1.771
%RSD	.3279195	.2447098	.3250889	.3391145	.1043254
#1	887.1446	21464.01	2440.979	794.2672	1696.461
#2	892.9443	21432.19	2456.396	789.0953	1699.824
#3	889.4814	21361.60	2445.275	792.9399	1697.177

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: ICSA003 Acquired: 10/28/2024 19:17:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA003 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.007846	-.015988	-.002151	.0000019	-.000077	251.3202
Stddev	.006053	.004647	.004718	.0052222	.003960	.3831
%RSD	77.15349	29.06759	219.3920	275274.5	5175.119	.1524223
#1	-.008327	-.010752	.003277	.0059980	-.001315	251.1984
#2	-.013644	-.017588	-.004452	-.002443	-.003269	251.0128
#3	-.001566	-.019623	-.005276	-.003550	.004355	251.7493

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0064597	.0008621	-.000232	259.4607	.0523903	.0004650
Stddev	.0002546	.0001734	.000103	.7244	.0006775	.0003441
%RSD	3.941681	20.10843	44.52257	.2791761	1.293078	73.99192
#1	.0066360	.0007514	-.000327	258.7267	.0526370	.0002380
#2	.0065752	.0010619	-.000246	259.4805	.0516241	.0002962
#3	.0061678	.0007730	-.000122	260.1750	.0529098	.0008609

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005828	108.7115	.0133048	266.7336	.0053297	.0021678
Stddev	.004455	.1873	.0008298	1.2726	.0006050	.0006230
%RSD	76.45038	.1722688	6.236799	.4771053	11.35076	28.73916
#1	-.008528	108.6766	.0142614	265.4308	.0046530	.0026376
#2	-.000685	108.5441	.0128730	266.7962	.0055177	.0014611
#3	-.008270	108.9138	.0127799	267.9737	.0058183	.0024048

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1663788	.0034444	.0119702	-.277285	.0013684	F .0934425
Stddev	.0998646	.0098583	.0009091	.091952	.0046864	.0010767
%RSD	60.02245	286.2128	7.594772	33.16168	342.4866	1.152274
#1	.2786765	.0128094	.0114561	-.265295	-.000907	.0937015
#2	.0875393	-.006842	.0130199	-.374644	-.001746	.0943660
#3	.1329206	.004366	.0114346	-.191916	.006758	.0922598

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: ICSA003 Acquired: 10/28/2024 19:17:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA003 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001075	.0008877	-.000178	-.006282	-.002913	-.002834
Stddev	.000127	.0044225	.000122	.001094	.001213	.000803
%RSD	11.81771	498.1654	68.27889	17.41216	41.65848	28.31788
#1	-.000972	.0056104	-.000315	-.007540	-.001960	-.003613
#2	-.001037	-.003156	-.000139	-.005752	-.004279	-.002881
#3	-.001217	.000209	-.000081	-.005554	-.002500	-.002009

Elem	Sr4077
Units	ppm
Avg	F .1061372
Stddev	.0002736
%RSD	.2577451
#1	.1063327
#2	.1058246
#3	.1062544

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	828.5441	20302.21	2428.485	746.7120	1414.605
Stddev	.4707	11.14	5.268	3.7340	1.651
%RSD	.0568113	.0548747	.2169103	.5000650	.1167121
#1	828.7971	20290.65	2430.503	742.5824	1415.886
#2	828.8343	20303.08	2432.446	749.8505	1415.187
#3	828.0010	20312.88	2422.507	747.7032	1412.742

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: ICSAB003 Acquired: 10/28/2024 19:22:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB003 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0969261	.0948334	.0502517	.0416081	.5462845	249.5636
Stddev	.0071761	.0080311	.0010099	.0048997	.0065579	.8182
%RSD	7.403648	8.468686	2.009653	11.77593	1.200451	.3278544
#1	.1028121	.1017717	.0492458	.0398476	.5534621	248.6213
#2	.0889321	.0860356	.0502438	.0471449	.5406058	249.9753
#3	.0990340	.0966927	.0512655	.0378319	.5447858	250.0942

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5350161	.5527466	1.048570	258.5707	.6062788	.5229227
Stddev	.0029268	.0035255	.002532	1.3317	.0004927	.0008015
%RSD	.5470591	.6378101	.2414620	.5150310	.0812689	.1532669
#1	.5317407	.5489429	1.051336	257.1215	.6065506	.5233595
#2	.5359324	.5559047	1.048011	258.8500	.6065758	.5234109
#3	.5373751	.5533921	1.046365	259.7406	.6057101	.5219977

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4871421	108.4525	.5450590	266.5091	1.046342	.1946679
Stddev	.0035678	.7329	.0040449	1.7376	.003851	.0009885
%RSD	.7323981	.6757533	.7420954	.6519919	.3680380	.5077773
#1	.4834763	107.6915	.5425961	264.7061	1.050632	.1956715
#2	.4873468	108.5126	.5428536	266.6483	1.045212	.1936953
#3	.4906031	109.1535	.5497272	268.1730	1.043183	.1946369

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2173245	.5371490	.8919006	-.207540	.0073633	F .0944911
Stddev	.4240496	.0126382	.0050300	.114396	.0009737	.0026937
%RSD	195.1228	2.352828	.5639581	55.12004	13.22322	2.850719
#1	.1652306	.5263941	.8930022	-.110189	.0084303	.0914144
#2	.6650143	.5339841	.8864111	-.333537	.0071366	.0956344
#3	-.178271	.5510689	.8962884	-.178894	.0065229	.0964246

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: ICSAB003 Acquired: 10/28/2024 19:22:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB003 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000893	-.004659	.0003407	-.006749	-.001405	-.006569
Stddev	.000396	.007401	.0006475	.001798	.001845	.001810
%RSD	44.36588	158.8625	190.0611	26.64589	131.3269	27.55791
#1	-.001346	-.008556	.0003323	-.005637	-.001076	-.008631
#2	-.000610	-.009297	.0009923	-.008824	-.003392	-.005831
#3	-.000723	.003876	-.000303	-.005786	.000253	-.005244

Elem	Sr4077
Units	ppm
Avg	F .1047886
Stddev	.0002211
%RSD	.2109987
#1	.1047140
#2	.1046145
#3	.1050374

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	825.1297	20285.26	2401.580	738.1757	1421.127
Stddev	1.5856	62.59	13.392	.8239	3.528
%RSD	.1921674	.3085722	.5576271	.1116191	.2482532
#1	823.3364	20213.45	2417.043	737.2607	1417.237
#2	826.3459	20313.99	2393.915	738.8589	1422.025
#3	825.7070	20328.33	2393.782	738.4075	1424.119

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: CCV010 Acquired: 10/28/2024 19:26:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV010 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.941507	4.699998	24.21311	4.601187	4.660863	400.6474	9.879030
Stddev	.024708	.009939	.04382	.020521	.009593	11.1051	.257614
%RSD	.5000189	.2114761	.1809754	.4460025	.2058279	2.771785	2.607689
#1	4.961624	4.706277	24.20449	4.600277	4.650003	388.0423	9.585855
#2	4.913927	4.688538	24.17425	4.581136	4.668184	408.9885	10.06922
#3	4.948970	4.705178	24.26060	4.622148	4.664402	404.9115	9.98201

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5069454	2.449892	398.6945	15.00056	2.455330	14.58067	402.9704
Stddev	.0143017	.004988	10.6781	.01685	.006052	.37793	10.4536
%RSD	2.821160	.2035881	2.678256	.1123309	.2464667	2.591994	2.594147
#1	.4908825	2.450592	386.5841	15.02001	2.454494	14.15342	391.0938
#2	.5182976	2.444592	406.7559	14.99126	2.449740	14.87127	410.7764
#3	.5116562	2.454493	402.7434	14.99040	2.461756	14.71732	407.0411

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.54535	406.1419	2.442156	1.245060	394.6330	2.429961	13.82457
Stddev	.40401	11.3610	.005478	.004562	10.6553	.060566	.11279
%RSD	2.777561	2.797309	.2243061	.3664103	2.700057	2.492464	.8158481
#1	14.08815	393.2552	2.441911	1.247211	382.4400	2.360026	13.79808
#2	14.85425	414.7121	2.436805	1.239820	402.1559	2.464751	13.94825
#3	14.69364	410.4583	2.447753	1.248149	399.3031	2.465106	13.72739

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	150.0326	4.861596	5.007468	4.629596	4.929202	4.886833	4.898249
Stddev	3.9544	.013600	.115198	.005842	.015835	.120164	.016394
%RSD	2.635702	.2797515	2.300514	.1261793	.3212488	2.458938	.3346885
#1	145.5267	4.846512	4.879715	4.634164	4.912445	4.753330	4.891114
#2	152.9258	4.865353	5.103436	4.623014	4.931243	4.986328	4.886632
#3	151.6453	4.872922	5.039254	4.631609	4.943917	4.920843	4.917002

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: CCV010 Acquired: 10/28/2024 19:26:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV010 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.856820	4.942454	4.933512
Stddev	.133413	.129966	.137257
%RSD	2.746918	2.629585	2.782139
#1	4.706009	4.793714	4.778276
#2	4.959446	5.034101	5.038804
#3	4.905005	4.999547	4.983456

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	713.8864	19550.27	2349.119	599.1166	1294.574
Stddev	.2388	72.88	56.900	3.5946	2.186
%RSD	.0334503	.3728014	2.422206	.5999857	.1688630
#1	713.6138	19519.97	2414.196	599.7757	1294.103
#2	714.0587	19633.42	2308.743	595.2381	1296.957
#3	713.9868	19497.42	2324.418	602.3361	1292.662

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: CCB010 Acquired: 10/28/2024 19:30:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB010 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026222	-.001582	.0006889	.0030083	.0009942	.0274027	.0005320
Stddev	.0020682	.002123	.0013054	.0063015	.0006411	.0169054	.0002711
%RSD	78.87450	134.1927	189.4918	209.4673	64.48432	61.69233	50.94458
#1	.0020759	-.001120	.0021833	.0047827	.0014722	.0090186	.0003364
#2	.0049087	.000272	-.000229	-.003990	.0002657	.0309107	.0004183
#3	.0008820	-.003899	.000113	.008232	.0012446	.0422789	.0008414

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001041	.0001656	.0311601	.0014152	-.000004	-.001634	-.000563
Stddev	.0000852	.0000437	.0261247	.0005959	.000100	.003026	.039124
%RSD	81.87680	26.36955	83.84016	42.10776	2552.920	185.2431	6947.329
#1	.0000155	.0001195	.0039462	.0019360	-.000120	-.005087	-.043771
#2	.0001855	.0001711	.0334955	.0015443	.000049	-.000368	.032466
#3	.0001112	.0002064	.0560388	.0007654	.000059	.000554	.009615

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002256	-.016944	.0008738	-.001537	-.204550	.0066502	.0008807
Stddev	.0007813	.030146	.0005646	.000320	.015686	.0026479	.0001200
%RSD	346.2639	177.9100	64.61771	20.84346	7.668740	39.81724	13.62638
#1	-.000154	-.030366	.0002719	-.001352	-.216074	.0061707	.0009386
#2	-.000293	-.038049	.0009577	-.001352	-.210889	.0042748	.0009608
#3	.001124	.017581	.0013918	-.001907	-.186686	.0095051	.0007427

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0159429	.0003882	.0013004	.0004358	.0005818	.0003588	-.000562
Stddev	.0276948	.0021255	.0005561	.0001079	.0050871	.0009194	.001292
%RSD	173.7121	547.5092	42.76785	24.75580	874.3535	256.2500	229.9720
#1	.0395321	-.002026	.0012186	.0004561	.0018555	.0011383	.000615
#2	-.014551	.001978	.0018928	.0003192	.0049110	-.000655	-.001945
#3	.022848	.001212	.0007896	.0005321	-.005021	.000593	-.000356

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: CCB010 Acquired: 10/28/2024 19:30:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB010 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0002089	.0002656	.0001938
Stddev	.0021764	.0022484	.0000859
%RSD	1041.695	846.6850	44.31430
#1	.0021737	-.002323	.0002236
#2	.0005836	.001733	.0000970
#3	-.002131	.001386	.0002609

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	893.4099	21432.94	2430.227	792.3353	1700.180
Stddev	.7819	6.16	10.708	4.3826	1.324
%RSD	.0875131	.0287263	.4406180	.5531188	.0778914
#1	892.6519	21426.11	2421.671	788.7862	1701.171
#2	893.3642	21434.64	2426.775	797.2339	1698.676
#3	894.2136	21438.07	2442.236	790.9856	1700.693

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: P4331-04DLX5 Acquired: 10/28/2024 19:35:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1254107	-.008545	.3799615	-.011442	.0035574	65.08144	2.240925
Stddev	.0060888	.003106	.0032578	.001043	.0045307	.15704	.004338
%RSD	4.855061	36.34161	.8574109	9.116426	127.3603	.2412960	.1935808
#1	.1200462	-.012110	.3798454	-.012646	.0007578	64.97427	2.239465
#2	.1320287	-.006425	.3767634	-.010862	.0087846	65.26170	2.245804
#3	.1241573	-.007101	.3832759	-.010818	.0011297	65.00834	2.237505

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033856	.0133477	27.67078	.1592165	.0792091	1.747956	102.2759
Stddev	.0002122	.0000363	.12119	.0006946	.0003167	.005559	.2911
%RSD	6.266875	.2718685	.4379591	.4362355	.3998092	.3180184	.2845806
#1	.0032222	.0133896	27.53791	.1599018	.0788437	1.748285	101.9974
#2	.0033091	.0133274	27.69922	.1585130	.0793791	1.742240	102.5780
#3	.0036254	.0133262	27.77522	.1592349	.0794045	1.753343	102.2521

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.36357	22.24819	.2362882	-.007417	.4400725	.1786932	.9429995
Stddev	.01663	.15457	.0014891	.000258	.2034620	.0036327	.0052095
%RSD	.0905624	.6947733	.6301824	3.473612	46.23374	2.032951	.5524428
#1	18.36319	22.18215	.2352572	-.007585	.5514657	.1791783	.9458338
#2	18.38039	22.13761	.2356120	-.007120	.2052379	.1820589	.9461775
#3	18.34714	22.42482	.2379953	-.007545	.5635140	.1748422	.9369874

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.79654	5.420046	.1132857	-.000954	1.411776	2.899337	.0096320
Stddev	.15944	.010683	.0009518	.000612	.007465	.010338	.0005405
%RSD	1.476749	.1971100	.8402212	64.15605	.5287823	.3565662	5.611408
#1	10.62538	5.419399	.1128790	-.000276	1.417704	2.887672	.0097973
#2	10.94085	5.409700	.1143733	-.001119	1.414232	2.907364	.0090282
#3	10.82337	5.431038	.1126047	-.001467	1.403392	2.902975	.0100705

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: P4331-04DLX5 Acquired: 10/28/2024 19:35:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.134490	.0344914	.3339215
Stddev	.005694	.0016633	.0004141
%RSD	.2667807	4.822292	.1240201
#1	2.128947	.0363624	.3342161
#2	2.140325	.0331804	.3341002
#3	2.134197	.0339314	.3334480

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	932.5784	22530.37	2622.646	830.5711	1606.345
Stddev	1.7715	41.86	8.446	4.8277	.906
%RSD	.1899541	.1857927	.3220391	.5812521	.0563791
#1	931.4920	22502.49	2629.873	826.6524	1605.324
#2	934.6225	22510.12	2613.362	829.0969	1607.051
#3	931.6205	22578.50	2624.704	835.9640	1606.662

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: P4331-05DLX5 Acquired: 10/28/2024 19:39:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB7D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1251288	-.017541	.3877036	-.003655	.0063109	67.42986	1.194813
Stddev	.0068347	.004178	.0018661	.001108	.0001494	.08428	.001273
%RSD	5.462158	23.81833	.4813090	30.32115	2.366508	.1249903	.1065223
#1	.1174928	-.014613	.3873575	-.004214	.0064516	67.33782	1.193351
#2	.1306737	-.022325	.3897185	-.002379	.0061542	67.44851	1.195674
#3	.1272200	-.015683	.3860348	-.004373	.0063270	67.50326	1.195415

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0041506	.0137480	28.53285	.1598295	.0713813	1.772181	107.2731
Stddev	.0000670	.0002826	.09423	.0005448	.0005134	.006625	.1857
%RSD	1.613297	2.055501	.3302577	.3408369	.7192753	.3738256	.1730986
#1	.0042257	.0138568	28.64111	.1604577	.0718327	1.768479	107.4588
#2	.0040972	.0139601	28.48816	.1595433	.0714884	1.768235	107.2730
#3	.0041288	.0134272	28.46927	.1594875	.0708227	1.779829	107.0874

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.930572	21.68828	.2231802	-.005972	.3074624	.1839350	.9582523
Stddev	.005913	.01251	.0013788	.000211	.1959028	.0036507	.0059368
%RSD	.1504468	.0576962	.6177990	3.540709	63.71601	1.984773	.6195469
#1	3.925156	21.67422	.2226417	-.005746	.4424919	.1798441	.9517997
#2	3.929679	21.69242	.2247470	-.006165	.0827752	.1868615	.9634833
#3	3.936881	21.69819	.2221520	-.006006	.3971200	.1850994	.9594739

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.26312	5.485966	.1178278	-.000000	1.521465	2.942741	.0092934
Stddev	.07276	.033123	.0005449	.000097	.008693	.009645	.0005192
%RSD	.6460253	.6037786	.4624522	28432.02	.5713647	.3277713	5.586432
#1	11.23396	5.520198	.1179638	.000110	1.520549	2.946896	.0095930
#2	11.20946	5.483624	.1182919	-.000043	1.530579	2.949613	.0095933
#3	11.34594	5.454076	.1172278	-.000068	1.513266	2.931715	.0086939

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: P4331-05DLX5 Acquired: 10/28/2024 19:39:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB7D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.299695	.0342090	.2673877
Stddev	.005800	.0013619	.0003484
%RSD	.2522171	3.981251	.1302904
#1	2.298385	.0326454	.2672085
#2	2.306038	.0348444	.2677893
#3	2.294662	.0351370	.2671655

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	929.6522	22611.63	2638.072	833.5511	1604.325
Stddev	.6988	40.82	9.006	4.9284	2.054
%RSD	.0751638	.1805229	.3413995	.5912527	.1280473
#1	930.2760	22649.04	2631.204	837.7840	1605.065
#2	929.7836	22617.76	2634.744	828.1406	1602.004
#3	928.8971	22568.09	2648.269	834.7289	1605.907

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: P4331-06DLX5 Acquired: 10/28/2024 19:44:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB7S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1262540	.0271130	.3415683	.0531063	.0329228	53.33832	3.629950
Stddev	.0037524	.0054993	.0031564	.0007170	.0012403	.24413	.016665
%RSD	2.972084	20.28289	.9240824	1.350183	3.767294	.4576920	.4590924
#1	.1289660	.0216462	.3387946	.0538354	.0342846	53.12951	3.616434
#2	.1278243	.0326442	.3409075	.0524020	.0318578	53.27873	3.624847
#3	.1219715	.0270487	.3450028	.0530816	.0326260	53.60673	3.648570

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0427457	.0510751	24.33852	.2911707	.4537501	1.633446	89.16979
Stddev	.0003491	.0002052	.11321	.0007828	.0011565	.010299	.54722
%RSD	.8166104	.4016681	.4651288	.2688439	.2548782	.6304799	.6136838
#1	.0424514	.0511069	24.24790	.2919327	.4524322	1.622032	88.72307
#2	.0426544	.0512626	24.30223	.2903686	.4542222	1.636265	89.00614
#3	.0431314	.0508560	24.46542	.2912110	.4545958	1.642042	89.78017

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.85128	16.70230	.5737623	.0314193	.1847504	.5435663	1.110601
Stddev	.06802	.17794	.0018442	.0002695	.2490547	.0067910	.005210
%RSD	.6268074	1.065344	.3214259	.8577292	134.8061	1.249345	.4691527
#1	10.79639	16.49829	.5752586	.0311648	.0032008	.5361003	1.110994
#2	10.83009	16.82544	.5743264	.0317016	.0823723	.5452228	1.105206
#3	10.92737	16.78317	.5717019	.0313914	.4686780	.5493758	1.115604

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.257223	4.658344	.0956537	-.001012	1.107781	2.673450	.0071896
Stddev	.084527	.019827	.0009345	.000427	.006250	.013487	.0006494
%RSD	1.023675	.4256247	.9769382	42.17032	.5641679	.5044788	9.031941
#1	8.244266	4.670788	.0949915	-.000715	1.113439	2.664763	.0074895
#2	8.179922	4.668764	.0952470	-.001502	1.101073	2.666600	.0076347
#3	8.347480	4.635479	.0967226	-.000820	1.108831	2.688987	.0064444

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: P4331-06DLX5 Acquired: 10/28/2024 19:44:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB7S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.833513	.0242481	.2290404
Stddev	.011573	.0012222	.0010173
%RSD	.6311701	5.040182	.4441577
#1	1.820246	.0254945	.2283550
#2	1.841531	.0230518	.2285569
#3	1.838762	.0241979	.2302093

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	936.5137	22658.05	2602.798	830.9462	1627.524
Stddev	1.0665	43.10	12.580	3.7161	2.114
%RSD	.1138785	.1901994	.4833148	.4472079	.1298933
#1	937.7435	22673.91	2615.010	834.0973	1625.841
#2	935.9538	22609.27	2603.506	831.8931	1626.835
#3	935.8438	22690.96	2589.880	826.8483	1629.897

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: P4331-04LDLX25 Acquired: 10/28/2024 19:48:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB7L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0303899	-.002148	.0784257	.0017151	.0026041	13.69453	.4657802
Stddev	.0010551	.001064	.0012113	.0019133	.0014164	.04538	.0005969
%RSD	3.471836	49.55185	1.544468	111.5524	54.39183	.3313423	.1281466
#1	.0295337	-.002216	.0790128	.0032553	.0019685	13.64940	.4653231
#2	.0300673	-.003177	.0770327	-.000427	.0016168	13.69406	.4664555
#3	.0315686	-.001051	.0792314	.002317	.0042269	13.74015	.4655620

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007643	.0025392	5.827135	.0335129	.0156038	.3678964	21.76360
Stddev	.0000760	.0000762	.017833	.0007187	.0002157	.0039170	.00843
%RSD	9.944716	3.000276	.3060277	2.144513	1.382229	1.064691	.0387246
#1	.0008446	.0024717	5.842269	.0339872	.0156522	.3697337	21.77128
#2	.0006934	.0026218	5.831660	.0326860	.0157911	.3705571	21.76495
#3	.0007550	.0025242	5.807476	.0338656	.0153680	.3633986	21.75459

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.937671	4.647003	.0474939	-.002263	-.037506	.0422338	.2025165
Stddev	.008307	.030829	.0002503	.000219	.384637	.0064882	.0000348
%RSD	.2109664	.6634263	.5271114	9.686767	1025.530	15.36260	.0171746
#1	3.944024	4.634484	.0475117	-.002495	-.225735	.0464907	.2025038
#2	3.940719	4.682122	.0472352	-.002060	.404995	.0454444	.2024899
#3	3.928271	4.624402	.0477349	-.002233	-.291777	.0347662	.2025559

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.244122	1.072509	.0197466	-.000551	.2774473	.6335001	-.001132
Stddev	.134401	.002423	.0009729	.000090	.0032010	.0017773	.001102
%RSD	5.989007	.2259401	4.927014	16.40650	1.153719	.2805549	97.40887
#1	2.392587	1.071629	.0208632	-.000469	.2754538	.6320109	.000080
#2	2.130748	1.070649	.0190812	-.000648	.2757484	.6330216	-.002076
#3	2.209030	1.075250	.0192954	-.000536	.2811395	.6354676	-.001399

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: P4331-04LDLX25 Acquired: 10/28/2024 19:48:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB7L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4516013	.0034312	.0703134
Stddev	.0007207	.0011248	.0001959
%RSD	.1595898	32.78286	.2785641
#1	.4515897	.0042879	.0705299
#2	.4523278	.0038484	.0701484
#3	.4508865	.0021574	.0702620

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	910.3551	21775.84	2484.144	805.2837	1681.378
Stddev	.6796	2.32	5.623	2.5712	2.369
%RSD	.0746564	.0106389	.2263494	.3192960	.1408712
#1	910.9433	21778.06	2483.171	805.9657	1681.036
#2	909.6111	21773.44	2490.189	802.4402	1683.899
#3	910.5110	21776.01	2479.070	807.4452	1679.199

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: P4331-04ADLREX2 Acquired: 10/28/2024 19:53:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB7A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2849880	-.022691	.8887508	.1144735	.1953505	144.4283
Stddev	.0085085	.002429	.0005773	.0052835	.0026562	.5378
%RSD	2.985573	10.70356	.0649568	4.615520	1.359731	.3723645
#1	.2940638	-.021878	.8893814	.1121094	.1983959	144.3102
#2	.2771916	-.020772	.8882482	.1205264	.1941435	145.0154
#3	.2837086	-.025422	.8886229	.1107849	.1935120	143.9594

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.944030	.0073822	.0327662	60.37106	.3488211	.1898290
Stddev	.029250	.0000867	.0002052	.32350	.0011667	.0005037
%RSD	.5916272	1.174947	.6263036	.5358452	.3344776	.2653634
#1	4.947262	.0073262	.0327036	60.26337	.3487541	.1897990
#2	4.971530	.0074821	.0325997	60.73467	.3500199	.1893409
#3	4.913298	.0073382	.0329955	60.11515	.3476893	.1903471

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.832518	221.1044	F 39.59190	48.99461	.5578277	-.014730
Stddev	.014334	.9363	.21086	.04686	.0018832	.000151
%RSD	.3740194	.4234629	.5325797	.0956406	.3375915	1.023960
#1	3.816890	220.9286	39.57436	49.00282	.5580939	-.014606
#2	3.845055	222.1162	39.81097	49.03683	.5558256	-.014898
#3	3.835608	220.2685	39.39035	48.94419	.5595636	-.014687

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.391997	.3977601	5.019716	24.38039	F 12.86913	.2446465
Stddev	.266733	.0122111	.016835	.06403	.02482	.0018322
%RSD	19.16192	3.069967	.3353681	.2626379	.1928788	.7489176
#1	1.436600	.4110491	5.032072	24.40718	12.85120	.2443589
#2	1.633617	.3951975	5.026534	24.42667	12.85873	.2466056
#3	1.105774	.3870337	5.000542	24.30731	12.89746	.2429752

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: P4331-04ADLREX2 Acquired: 10/28/2024 19:53:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBB7A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000715	3.403300	6.365746	.0224587	4.699533	.0810488
Stddev	.000790	.002203	.030462	.0025244	.019267	.0011250
%RSD	110.4640	.0647395	.4785243	11.24015	.4099675	1.388016
#1	.000044	3.405251	6.348363	.0219431	4.704127	.0808783
#2	-.000657	3.403738	6.400920	.0202319	4.716087	.0822493
#3	-.001532	3.400911	6.347956	.0252011	4.678384	.0800188

Elem	Sr4077
Units	ppm
Avg	.7370551
Stddev	.0006081
%RSD	.0825026
#1	.7374336
#2	.7373781
#3	.7363537

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	978.7773	23915.89	2803.252	871.2782	1542.652
Stddev	1.2535	62.88	16.413	3.8164	3.034
%RSD	.1280644	.2629419	.5854962	.4380242	.1966808
#1	977.9287	23912.65	2810.599	869.3658	1540.334
#2	980.2170	23854.69	2784.449	868.7961	1546.086
#3	978.1863	23980.33	2814.707	875.6727	1541.536

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: P4332-13ADLREX2 Acquired: 10/28/2024 19:57:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBE6A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7448430	-.025914	1.920093	.1394164	.2166195	174.2852
Stddev	.0161302	.009347	.001847	.0074705	.0015572	.7199
%RSD	2.165591	36.06708	.0962132	5.358374	.7188666	.4130866
#1	.7443727	-.016255	1.919456	.1430051	.2156272	173.8710
#2	.7289530	-.026575	1.918648	.1308288	.2184143	173.8682
#3	.7612032	-.034913	1.922174	.1444153	.2158171	175.1166

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.011498	.0104553	.0456015	49.38189	1.426332	.1557529
Stddev	.021372	.0000694	.0004159	.31109	.001880	.0011231
%RSD	.7096737	.6639377	.9120316	.6299767	.1318058	.7210483
#1	2.996826	.0105286	.0455022	49.29001	1.424827	.1562681
#2	3.001649	.0103906	.0452443	49.12708	1.428440	.1544647
#3	3.036018	.0104468	.0460581	49.72857	1.425730	.1565258

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.700557	187.5578	4.828051	47.68571	.5746992	.0041739
Stddev	.040667	.9983	.023562	.25687	.0024384	.0005159
%RSD	.5281085	.5322854	.4880291	.5386807	.4242968	12.36042
#1	7.670481	187.5009	4.823278	47.52806	.5754745	.0046226
#2	7.684363	186.5892	4.807240	47.54695	.5719674	.0042891
#3	7.746826	188.5834	4.853634	47.98212	.5766558	.0036102

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.120767	.3522801	3.998220	14.88627	F 11.62127	.2283919
Stddev	.235179	.0083016	.010207	.05340	.02662	.0008712
%RSD	11.08931	2.356530	.2552960	.3587445	.2290642	.3814714
#1	1.928511	.3514505	3.994058	14.83613	11.61126	.2278305
#2	2.382989	.3444244	3.990751	14.88024	11.60111	.2279497
#3	2.050801	.3609653	4.009850	14.94243	11.65145	.2293956

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: P4332-13ADLREX2 Acquired: 10/28/2024 19:57:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBE6A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0037586	3.701548	5.695056	.0572800	4.914430	.0628846
Stddev	.0003294	.011864	.026074	.0004784	.020983	.0015527
%RSD	8.764096	.3205224	.4578378	.8352593	.4269758	2.469168
#1	.0034209	3.698828	5.707777	.0578260	4.897439	.0646701
#2	.0037760	3.691279	5.665063	.0569342	4.907966	.0618506
#3	.0040790	3.714536	5.712328	.0570798	4.937885	.0621331

Elem	Sr4077
Units	ppm
Avg	.7352857
Stddev	.0024200
%RSD	.3291169
#1	.7336510
#2	.7341404
#3	.7380657

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	953.1221	23396.61	2762.570	846.8430	1551.812
Stddev	3.8961	37.38	13.265	2.6164	4.350
%RSD	.4087693	.1597567	.4801842	.3089570	.2803256
#1	956.4593	23354.33	2756.068	846.3645	1552.756
#2	954.0662	23425.26	2777.832	849.6655	1555.613
#3	948.8407	23410.24	2753.811	844.4988	1547.068

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: P4333-01DLX2 Acquired: 10/28/2024 20:01:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBF4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2729041	-.043165	.5432346	-.019846	.0099203	235.7873
Stddev	.0041042	.008796	.0028577	.002203	.0040038	.6393
%RSD	1.503891	20.37808	.5260574	11.10289	40.35922	.2711504
#1	.2776253	-.052547	.5465342	-.022050	.0145330	235.9961
#2	.2701870	-.041843	.5416178	-.017643	.0073445	236.2962
#3	.2709000	-.035105	.5415518	-.019844	.0078835	235.0697

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.299817	.0117116	.0136664	113.1166	.4776223	.1726616
Stddev	.024830	.0003350	.0002009	.2427	.0014667	.0006260
%RSD	.2991611	2.860211	1.469642	.2145328	.3070864	.3625381
#1	8.303660	.0113252	.0137776	113.0831	.4790917	.1729543
#2	8.322501	.0118896	.0134346	113.3743	.4776168	.1730875
#3	8.273289	.0119200	.0137871	112.8925	.4761583	.1719429

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.998639	238.9316	5.293501	72.36869	.7964357	-.015158
Stddev	.010382	.8052	.015478	.49524	.0023042	.000068
%RSD	.5194402	.3369903	.2923979	.6843286	.2893195	.4503137
#1	2.001962	239.4343	5.293968	72.52880	.7982675	-.015170
#2	2.006952	239.3575	5.308740	72.76406	.7971912	-.015219
#3	1.987002	238.0029	5.277794	71.81320	.7938486	-.015084

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.021554	.5084881	1.229870	15.53023	F 13.32171	.2674178
Stddev	.281525	.0064346	.003557	.16233	.06640	.0023839
%RSD	13.92616	1.265429	.2892388	1.045259	.4984516	.8914475
#1	2.339388	.5149687	1.225930	15.39115	13.38018	.2700599
#2	1.921738	.5083951	1.230838	15.70860	13.33544	.2667656
#3	1.803538	.5021006	1.232844	15.49093	13.24952	.2654279

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: P4333-01DLX2 Acquired: 10/28/2024 20:01:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYDBF4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000365	1.830317	4.860551	.0136133	6.224903	.1083885
Stddev	.000466	.018864	.020218	.0019025	.013143	.0009075
%RSD	127.8267	1.030630	.4159604	13.97542	.2111284	.8372506
#1	-.000333	1.848556	4.851090	.0119960	6.235745	.1079415
#2	.000085	1.810885	4.883765	.0157095	6.228679	.1094328
#3	-.000846	1.831510	4.846798	.0131345	6.210286	.1077913

Elem	Sr4077
Units	ppm
Avg	1.196833
Stddev	.004533
%RSD	.3787581
#1	1.201215
#2	1.197122
#3	1.192162

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1001.212	24519.15	2888.943	895.1386	1501.085
Stddev	1.725	47.60	11.408	3.1065	2.967
%RSD	.1722880	.1941307	.3948958	.3470440	.1976834
#1	1002.903	24504.28	2895.994	897.2244	1500.568
#2	1001.276	24480.76	2875.781	896.6231	1504.277
#3	999.455	24572.41	2895.053	891.5684	1498.410

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: PB164280BL Acquired: 10/28/2024 20:06:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS280 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000692	-.000472	-.000294	-.001045	.0006709	.0168287	.0006269
Stddev	.002154	.000991	.000666	.001293	.0011936	.0125461	.0004427
%RSD	311.2460	209.7981	226.6422	123.6944	177.9147	74.55194	70.62033
#1	.001538	-.000188	-.000298	-.002445	.0015192	.0024816	.0007431
#2	-.000853	.000346	.000374	.000105	-.000694	.0222627	.0001377
#3	-.002760	-.001574	-.000958	-.000796	.001187	.0257418	.0009999

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000010	.0000024	.0249557	.0002660	-.000272	-.001412	-.002348
Stddev	.0000403	.0000963	.0085604	.0008465	.000248	.002248	.015101
%RSD	4024.880	4051.134	34.30223	318.2123	91.22777	159.1662	643.2011
#1	.0000070	-.000043	.0310804	-.000702	-.000133	-.000165	-.015006
#2	.0000380	-.000063	.0286124	.000865	-.000124	-.004007	-.006405
#3	-.000042	.000113	.0151743	.000636	-.000559	-.000065	.014368

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003924	.0196814	.0001407	.0001631	-.072973	-.003433	-.000111
Stddev	.0010330	.0283916	.0002439	.0003997	.133737	.007239	.000237
%RSD	263.2520	144.2565	173.3910	245.1171	183.2681	210.8985	214.1640
#1	.0004211	.0052667	.0001528	.0000628	-.148681	-.011552	-.000352
#2	-.000655	.0523887	.0003784	-.000177	.081443	-.001097	-.000102
#3	.001411	.0013888	-.000109	.000603	-.151682	.002351	.000122

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.096607	.0003855	-.003288	.0000958	-.000452	.0022729	-.001321
Stddev	.054846	.0014214	.000443	.0004568	.001546	.0008140	.001425
%RSD	56.77188	368.7433	13.48917	476.5730	342.2748	35.81110	107.8871
#1	-.106096	-.000813	-.003152	-.000422	.001118	.0031824	.000182
#2	-.037636	.000014	-.002928	.000440	-.001972	.0020235	-.001493
#3	-.146089	.001956	-.003783	.000269	-.000502	.0016128	-.002652

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: PB164280BL Acquired: 10/28/2024 20:06:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS280 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0004227	-.006645	-.000083
Stddev	.0008440	.001796	.000083
%RSD	199.6621	27.03000	100.6544
#1	-.000320	-.007223	-.000090
#2	.000247	-.004631	.000004
#3	.001341	-.008082	-.000163

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	892.6408	21421.92	2417.869	795.7486	1701.205
Stddev	1.6256	99.90	5.068	2.8153	2.111
%RSD	.1821147	.4663637	.2096113	.3537986	.1241013
#1	890.7693	21386.10	2412.075	792.5224	1700.177
#2	893.7023	21534.80	2421.479	797.0151	1703.633
#3	893.4509	21344.87	2420.054	797.7082	1699.804

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: PB164280BS Acquired: 10/28/2024 20:10:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS280 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0248869	.0531188	.0205680	.0695593	.1072324	.4003350
Stddev	.0028842	.0022553	.0020151	.0020903	.0012849	.0147094
%RSD	11.58931	4.245752	9.797302	3.005094	1.198201	3.674280
#1	.0278670	.0556053	.0228374	.0706542	.1058017	.4042224
#2	.0221092	.0512052	.0198782	.0671490	.1082879	.4127104
#3	.0246845	.0525459	.0189883	.0708747	.1076077	.3840724

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4173073	.0109793	.0106845	10.84069	.0225939	.1010375
Stddev	.0029118	.0001607	.0000747	.10376	.0005561	.0001921
%RSD	.6977496	1.463257	.6993602	.9571086	2.461256	.1901295
#1	.4165035	.0110441	.0106255	10.82858	.0229369	.1009034
#2	.4205366	.0110974	.0107685	10.94997	.0219523	.1009514
#3	.4148819	.0107963	.0106594	10.74352	.0228926	.1012576

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0524318	.2167206	.0329084	10.85535	.0853916	.0213539
Stddev	.0007793	.0039170	.0009220	.06985	.0004440	.0002941
%RSD	1.486320	1.807404	2.801829	.6434244	.5199999	1.377164
#1	.0524366	.2190475	.0339420	10.88970	.0849591	.0211204
#2	.0532088	.2189162	.0321703	10.90136	.0853694	.0212571
#3	.0516502	.2121983	.0326131	10.77498	.0858463	.0216841

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.15078	.1184543	.1060781	9.840706	.0170822	F -.003396
Stddev	.13611	.0110800	.0007120	.063068	.0009949	.001265
%RSD	1.340879	9.353791	.6711958	.6408884	5.823888	37.24656
#1	10.00173	.1280189	.1065176	9.882290	.0165854	-.004732
#2	10.18212	.1063130	.1052567	9.871688	.0164335	-.002217
#3	10.26848	.1210311	.1064602	9.768139	.0182276	-.003240

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: PB164280BS Acquired: 10/28/2024 20:10:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS280 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0186137	.1758455	F .4618842	.0136553	.2083956	.0241534
Stddev	.0005541	.0029194	.0012934	.0008716	.0016285	.0003393
%RSD	2.976631	1.660231	.2800305	6.382902	.7814458	1.404779
#1	.0180603	.1792162	.4606253	.0127420	.2097966	.0240285
#2	.0191684	.1741142	.4632096	.0137456	.2066089	.0245375
#3	.0186124	.1742062	.4618177	.0144782	.2087814	.0238943

Elem	Sr4077
Units	ppm
Avg	.2116807
Stddev	.0003203
%RSD	.1512899
#1	.2116437
#2	.2120179
#3	.2113806

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	893.5205	21388.27	2431.099	792.6058	1664.469
Stddev	1.4888	13.21	16.403	2.2407	.897
%RSD	.1666232	.0617750	.6747155	.2826966	.0538957
#1	892.7319	21395.27	2441.801	790.9599	1665.170
#2	895.2378	21396.51	2412.214	791.7000	1664.779
#3	892.5919	21373.03	2439.281	795.1576	1663.458

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: PB164280BSD Acquired: 10/28/2024 20:15:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD280 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0077021	.0253271	.0095668	.0313149	.0555557	.2080938	.2204923
Stddev	.0020062	.0013667	.0030011	.0053177	.0018272	.0176201	.0004770
%RSD	26.04795	5.396158	31.37017	16.98132	3.288897	8.467379	.2163492
#1	.0053915	.0244521	.0128541	.0252270	.0534820	.2056631	.2208534
#2	.0090014	.0269020	.0088729	.0336656	.0562562	.1918152	.2206721
#3	.0087135	.0246272	.0069734	.0350521	.0569290	.2268030	.2199515

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060322	.0055918	5.703537	.0117626	.0529595	.0232786	.1239332
Stddev	.0001217	.0002135	.024392	.0003414	.0007240	.0023852	.0048775
%RSD	2.016629	3.819015	.4276621	2.902275	1.367185	10.24644	3.935562
#1	.0060800	.0058106	5.684686	.0119494	.0528482	.0255499	.1188015
#2	.0061227	.0055808	5.694839	.0113686	.0522975	.0207938	.1244893
#3	.0058939	.0053839	5.731085	.0119699	.0537328	.0234921	.1285088

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0167790	5.797621	.0452280	.0111903	5.104707	.0599429	.0567884
Stddev	.0015736	.021665	.0002047	.0010323	.311342	.0075660	.0011144
%RSD	9.378414	.3736889	.4526420	9.224830	6.099123	12.62194	1.962466
#1	.0157762	5.820403	.0453883	.0101899	4.748837	.0518956	.0560590
#2	.0159681	5.795179	.0452984	.0122517	5.326816	.0610213	.0580713
#3	.0185927	5.777279	.0449974	.0111293	5.238467	.0669118	.0562350

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.026292	.0098777	-.004527	.0100643	.0940418	.2413138	.0059947
Stddev	.093256	.0020658	.000406	.0003894	.0032378	.0013442	.0017281
%RSD	1.855362	20.91398	8.977431	3.869164	3.442937	.5570420	28.82745
#1	5.015542	.0102657	-.004959	.0096509	.0971281	.2398395	.0042219
#2	5.124457	.0117220	-.004153	.0101179	.0943260	.2424713	.0076743
#3	4.938876	.0076454	-.004469	.0104241	.0906712	.2416305	.0060880

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: PB164280BSD Acquired: 10/28/2024 20:15:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD280 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1087490	.0083151	.1115204
Stddev	.0011684	.0012366	.0003454
%RSD	1.074405	14.87147	.3097495
#1	.1074569	.0090411	.1117178
#2	.1097313	.0068873	.1117218
#3	.1090588	.0090170	.1111215

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	892.0290	21350.05	2466.098	788.1773	1677.082
Stddev	1.7239	308.78	4.205	12.0722	3.582
%RSD	.1932580	1.446272	.1704988	1.531665	.2135970
#1	892.2658	21532.53	2468.804	792.8571	1674.616
#2	893.6223	20993.53	2468.236	774.4657	1681.191
#3	890.1989	21524.08	2461.254	797.2089	1675.438

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: CCV011 Acquired: 10/28/2024 20:20:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV011 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.018454	4.744518	24.51366	4.694102	4.696275	405.5701	10.02058
Stddev	.009402	.027883	.13985	.017256	.020203	.9436	.03658
%RSD	.1873412	.5876873	.5704852	.3676150	.4302017	.2326525	.3650924
#1	5.019163	4.753281	24.54229	4.702024	4.690100	406.6573	10.05999
#2	5.008718	4.713306	24.36171	4.674307	4.679879	405.0886	10.01403
#3	5.027481	4.766967	24.63697	4.705974	4.718845	404.9644	9.98771

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5114162	2.485105	403.1088	15.09630	2.482826	14.78656	406.9310
Stddev	.0029562	.010946	1.7555	.00945	.013707	.03803	2.1438
%RSD	.5780412	.4404567	.4355018	.0626291	.5520755	.2572014	.5268242
#1	.5146217	2.488323	405.1305	15.08538	2.487569	14.82991	409.4022
#2	.5087972	2.472911	402.2262	15.10202	2.467377	14.75883	405.8213
#3	.5108296	2.494082	401.9697	15.10149	2.493531	14.77093	405.5695

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.68290	409.6602	2.469859	1.250078	399.0665	2.449745	13.99410
Stddev	.08123	1.8596	.011149	.007505	1.4396	.022713	.05409
%RSD	.5532481	.4539340	.4513946	.6003601	.3607529	.9271672	.3865313
#1	14.77662	411.7756	2.474001	1.245751	400.7278	2.466678	13.93784
#2	14.63278	408.2834	2.457232	1.245739	398.2864	2.423934	14.04572
#3	14.63930	408.9214	2.478344	1.258744	398.1852	2.458624	13.99874

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	152.4684	4.927316	5.016878	4.658863	5.014476	4.899053	4.953601
Stddev	.5082	.022766	.017466	.019767	.025226	.028465	.026475
%RSD	.3333321	.4620272	.3481365	.4242855	.5030628	.5810289	.5344631
#1	153.0309	4.928775	5.029481	4.657144	5.027948	4.927490	4.957935
#2	152.0424	4.903855	4.996941	4.640012	4.985374	4.870560	4.925226
#3	152.3318	4.949316	5.024211	4.679434	5.030105	4.899110	4.977641

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: CCV011 Acquired: 10/28/2024 20:20:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV011 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.918061	4.976839	5.027856
Stddev	.008134	.018280	.014976
%RSD	.1653951	.3672948	.2978638
#1	4.926453	4.997606	5.044702
#2	4.910212	4.969723	5.016051
#3	4.917517	4.963187	5.022814

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	713.3372	19555.82	2357.361	593.8635	1289.763
Stddev	1.5148	40.45	11.699	3.6246	5.320
%RSD	.2123533	.2068610	.4962885	.6103450	.4124584
#1	713.9241	19602.15	2344.149	597.5525	1288.275
#2	714.4708	19537.87	2366.407	590.3068	1295.669
#3	711.6168	19527.45	2361.529	593.7313	1285.347

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: CCB011 Acquired: 10/28/2024 20:24:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB011 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010262	-.000891	.0018146	.0042285	-.002774	.0686086	.0008489
Stddev	.0005161	.001618	.0013871	.0014743	.001447	.0064980	.0002838
%RSD	50.29338	181.5400	76.43834	34.86689	52.15195	9.471080	33.42778
#1	.0004310	-.000703	.0033454	.0031492	-.004431	.0704616	.0011378
#2	.0012977	-.002596	.0006413	.0036280	-.001762	.0613854	.0008383
#3	.0013498	.000625	.0014571	.0059084	-.002129	.0739789	.0005706

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000239	.0001179	.0308645	.0013955	-.000247	.0011080	.0307219
Stddev	.0000456	.0001842	.0135528	.0007070	.000077	.0012637	.0095261
%RSD	191.0085	156.1632	43.91044	50.65929	31.03653	114.0554	31.00760
#1	.0000408	.0003102	.0359181	.0006185	-.000202	.0016814	.0348770
#2	-.000028	.0001006	.0155111	.0020008	-.000204	.0019833	.0198240
#3	.000059	-.000057	.0411644	.0015672	-.000336	-.000341	.0374648

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008474	-.007742	.0006118	.0007225	-.183051	.0005232	.0012483
Stddev	.0007175	.065018	.0004137	.0003353	.282101	.0040773	.0003729
%RSD	84.66385	839.7693	67.61494	46.41249	154.1107	779.2354	29.87242
#1	.0003625	.030561	.0001832	.0008004	-.498242	.0013545	.0008712
#2	.0005083	.029025	.0006436	.0010120	.045763	.0041209	.0012569
#3	.0016716	-.082813	.0010087	.0003551	-.096674	-.003906	.0016168

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0753384	-.000105	.0016362	.0006020	-.003840	.0022496	-.002784
Stddev	.0959728	.000962	.0006745	.0003572	.008442	.0002699	.001082
%RSD	127.3890	916.4180	41.22047	59.33215	219.8254	11.99603	38.86593
#1	-.024672	-.000721	.0024149	.0004725	-.013589	.0021796	-.001997
#2	.166686	-.000597	.0012323	.0003277	.001010	.0020216	-.002337
#3	.084001	.001003	.0012616	.0010059	.001058	.0025476	-.004018

Reviewed By:jaswal
On:10/30/2024 8:19:54 AM
Inst Id :P5

Sample Name: CCB011 Acquired: 10/28/2024 20:24:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB011 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0004568	-.003060	.0002810
Stddev	.0005530	.000639	.0000489
%RSD	121.0585	20.88412	17.41492
#1	.0010818	-.003730	.0002743
#2	.0000313	-.002994	.0002358
#3	.0002573	-.002457	.0003329

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	887.4168	21272.03	2408.802	789.8866	1691.384
Stddev	1.7188	26.93	2.081	1.4760	4.771
%RSD	.1936813	.1266138	.0863846	.1868571	.2820838
#1	885.4391	21287.87	2407.225	791.5753	1685.879
#2	888.2616	21240.93	2411.161	789.2416	1693.963
#3	888.5496	21287.29	2408.021	788.8429	1694.312

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Prep Standard - Chemical Standard Summary

Order ID : P4333

Test : Metals CLP Full

Prepbatch ID : PB164280,

Sequence ID/Qc Batch ID: LB133139,LB133180,

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,M6090,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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
902	ICP AES CAL BLK (SO/ICB/CCB)	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	10/30/2024	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	10/30/2024	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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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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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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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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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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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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	10/18/2024 / Janvi	09/10/2024 / Janvi	M6090

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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Certificate of Analysis

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

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 12, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- March 12, 2029

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R 8/15/24

M6028

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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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		

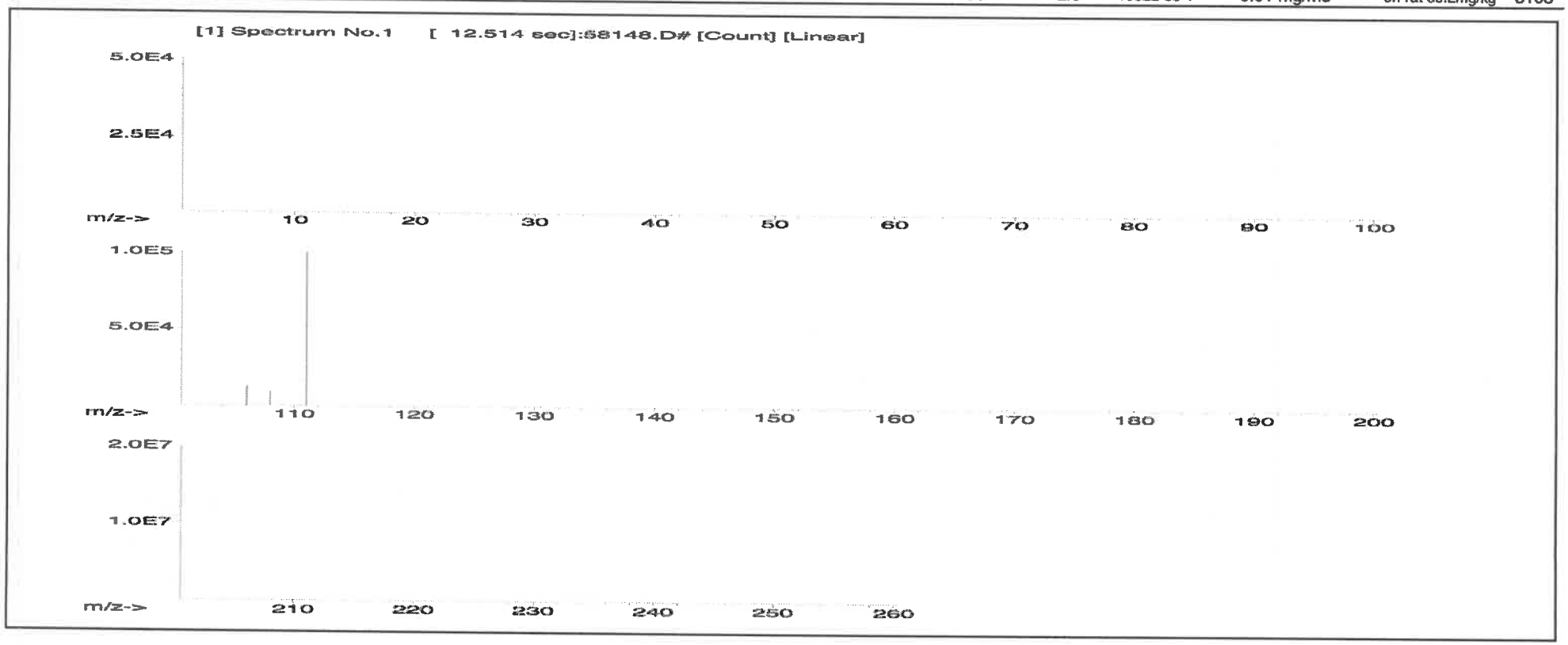
Aleah O'Brady

Formulated By:	Aleah O'Brady	070124

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



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	T	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

M5296 OP: 09/19/2022 BH

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1.0 ACCREDITATION / REGISTRATION

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ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CHEM-CLP-4
Lot Number:	S2-MEB711673
Matrix:	3% (v/v) HNO3 3% (v/v) HF
Value / Analyte(s):	1 000 µg/mL ea: Boron, Molybdenum, Silicon, Tin, Titanium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Boron, B	**1 000 ± 6 µg/mL**	**Molybdenum, Mo**	**1 000 ± 6 µg/mL**
Silicon, Si	**1 000 ± 7 µg/mL**	**Tin, Sn**	**1 000 ± 6 µg/mL**
Titanium, Ti	**1 000 ± 7 µg/mL**		

Density: 1.030 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
B	ICP Assay	3107	110830
Mo	ICP Assay	3134	130418
Si	ICP Assay	3150	130912
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	3162a	130925

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

November 02, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **November 02, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-CAL-1
Lot Number:	T2-MEB714417
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	5 000 µg/mL ea: Calcium, Potassium, Magnesium, Sodium, 2 000 µg/mL ea: Aluminum, Barium, 1 000 µg/mL ea: Iron, 500 µg/mL ea: Nickel, Vanadium, Zinc, Cobalt, Manganese, 250 µg/mL ea: Silver, Copper, 200 µg/mL ea: Chromium, 50 µg/mL ea: Beryllium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	**2 000 ± 7 µg/mL**	**Barium, Ba**	**2 000 ± 9 µg/mL**
Beryllium, Be	**50.00 ± 0.26 µg/mL**	**Calcium, Ca**	**5 000 ± 22 µg/mL**
Chromium, Cr	**200.0 ± 1.0 µg/mL**	**Cobalt, Co**	**500.0 ± 2.4 µg/mL**
Copper, Cu	**250.0 ± 1.0 µg/mL**	**Iron, Fe**	**1 000 ± 4 µg/mL**
Magnesium, Mg	**5 000 ± 20 µg/mL**	**Manganese, Mn**	**500.0 ± 2.0 µg/mL**
Nickel, Ni	**500.0 ± 2.2 µg/mL**	**Potassium, K**	**5 000 ± 19 µg/mL**
Silver, Ag	**250.0 ± 1.1 µg/mL**	**Sodium, Na**	**5 000 ± 18 µg/mL**
Vanadium, V	**499.7 ± 2.2 µg/mL**	**Zinc, Zn**	**500.0 ± 2.2 µg/mL**

Density: 1.118 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cr	Calculated		See Sec. 4.2
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	120715
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
V	IC Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information.

https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 27, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **January 27, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

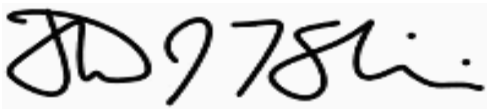
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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:	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

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**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 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

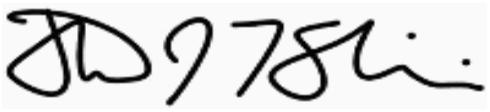
- Sealed TCT Bag Open Date: _____

- 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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

R: 8/5/24

249

CERTIFIED WEIGHT REPORT:

Part Number: 57182
Lot Number: 110923
Description: Lead (Pb)

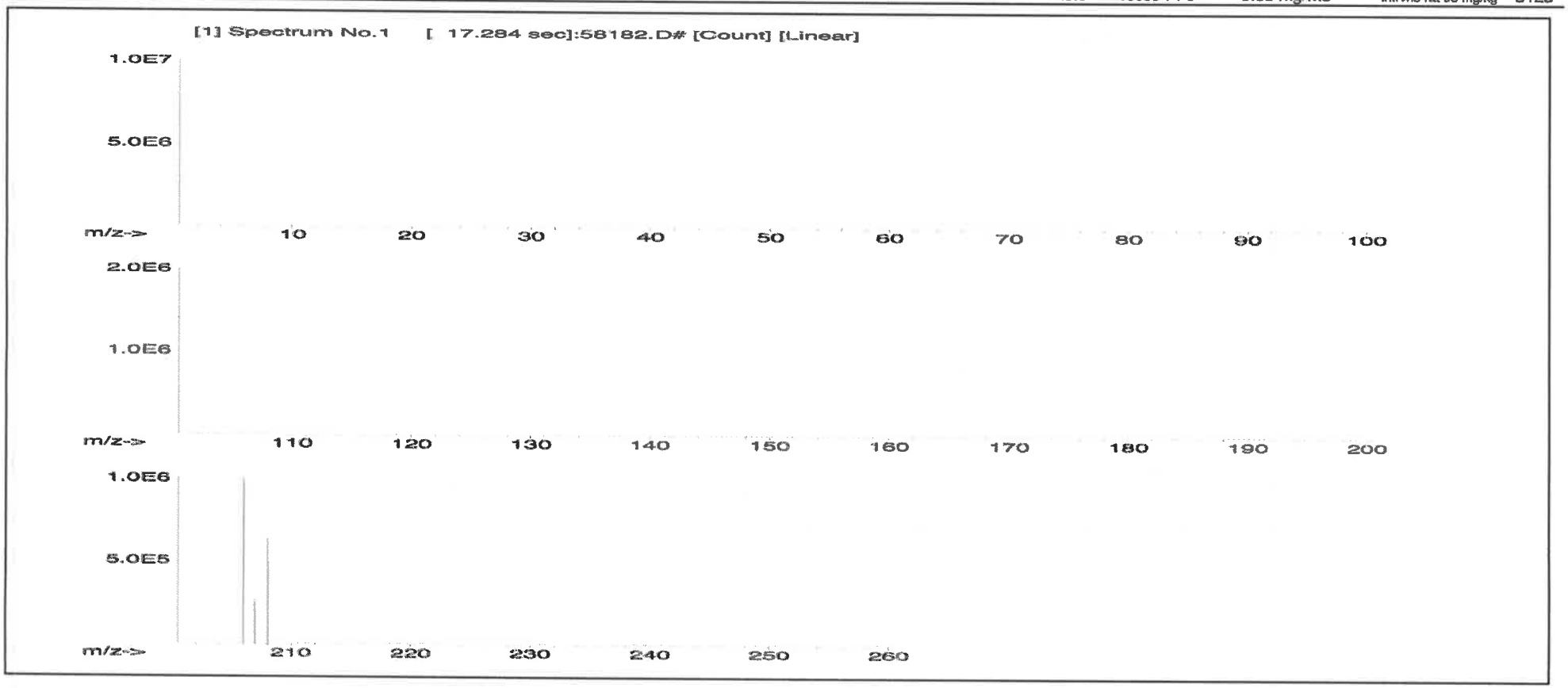
Expiration Date: 110926
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask 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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M4960 R: 10/08/21 BH

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58149
Lot Number: 100721
Description: Indium (In)

Expiration Date: 100724
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

Weight shown below was diluted to (mL): 500.06 0.058 Flask Uncertainty

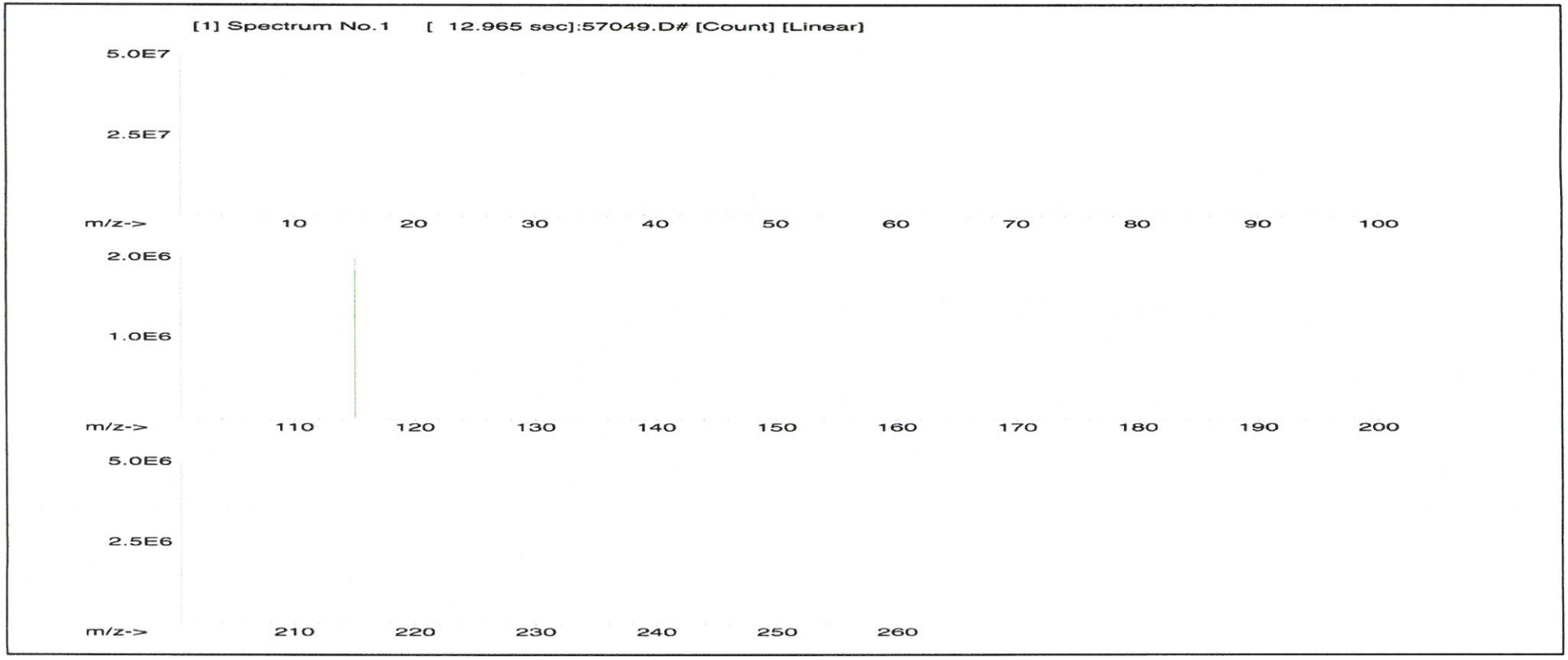
	Lot #		
Solvent:	20370011	Nitric Acid	
5%	25.0 (mL)	Nitric Acid	
		5E-05	Balance Uncertainty

Giovanni Esposito

Formulated By:	Giovanni Esposito	100721
Reviewed By:	Pedro L. Rentas	100721

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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.
* 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 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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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CERTIFIED WEIGHT REPORT:

Part Number: 57042
Lot Number: 051722
Description: Molybdenum (Mo)

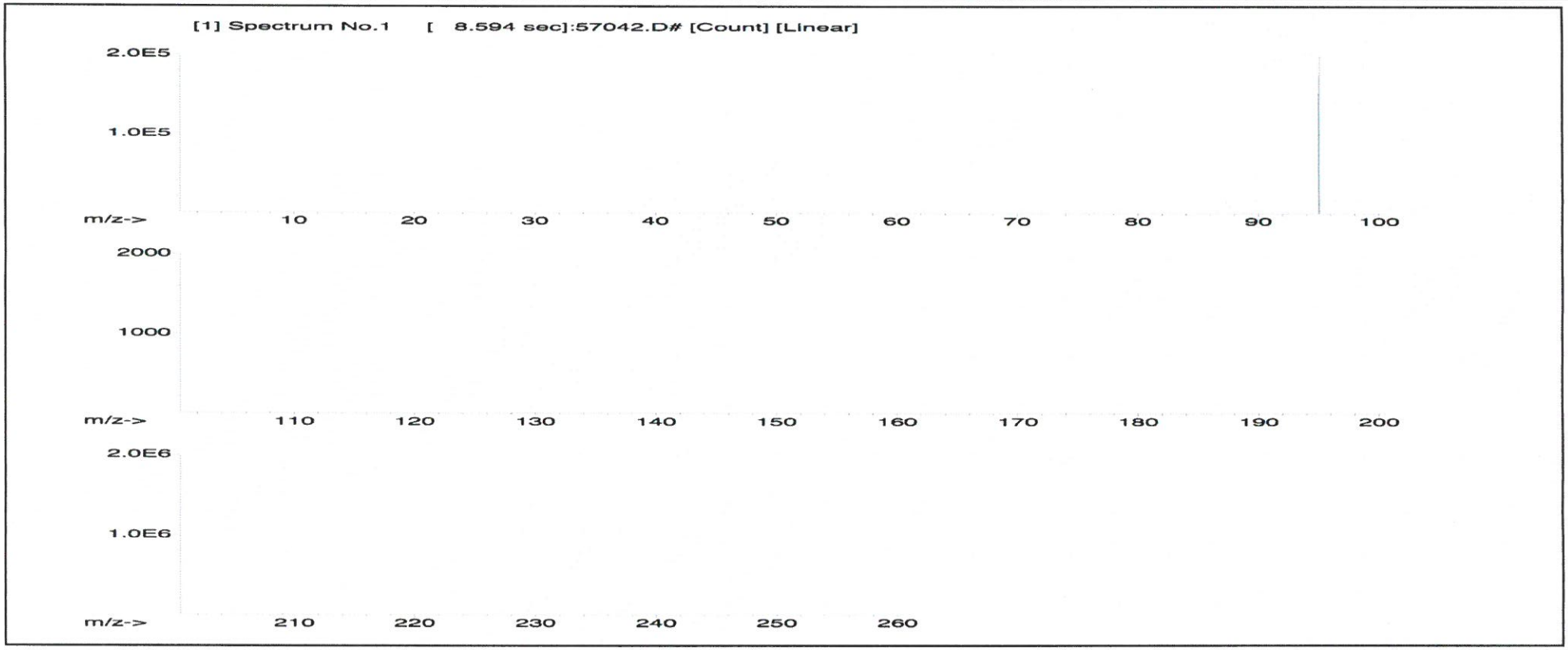
Expiration Date: 051725
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Volume shown below was diluted to (mL): 3000.41

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



256

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).

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:	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:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

November 02, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **November 02, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director





QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
"An ISO 9001:2015 Certified Program"

Instructions for QATS Reference Material: *ICP-AES ICS*

QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-AES (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix. **For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-1211" and for the ICSAB mixture use "ICSA-1211+ICSB-0710".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

The interference check sample set is to be used to verify inter-element and background correction factors of inductively-coupled plasma (ICP) spectrometers. This reference material set consists of two (2) concentrated solutions. The ICSA solution contains the four (4) interferent elements: Al, Ca, Fe, and Mg. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be,



Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for ICP-AES Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

ICSA-1211, Interferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 2% v/v HNO_3. Analyze this ICSA solution by ICP-AES.

ICSB-0710, Analytes, mixed with ICSA-1211, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 2% v/v HNO_3. Analyze this ICSAB solution by ICP-AES.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-AES ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-AES ICSA-1211, AND ICSA-1211 MIXED WITH ICSB-0710

Element	CRQL	Part A (µg/L)	Low Limit (µg/L)	High Limit (µg/L)	Part A +Part B (µg/L)	Low Limit (µg/L)	High Limit (µg/L)
Al	200	255000	216000	294000	247000	209000	285000
Sb	60	(0.0)	-60.0	60.0	618	525	711
As	10	(0.0)	-10.0	10.0	104	88.4	120
Ba	200	(6.0)	-194	206	(537)	337	737
Be	5.0	(0.0)	-5.0	5.0	495	420	570
Cd	5.0	(1.0)	-4.0	6.0	972	826	1120
Ca	5000	245000	208000	282000	235000	199000	271000
Cr	10	(52.0)	42.0	62.0	542	460	624
Co	50	(0.0)	-50.0	50.0	476	404	548
Cu	25	(2.0)	-23.0	27.0	511	434	588
Fe	100	101000	85600	116500	99300	84400	114500
Pb	10	(0.0)	-10.0	10.0	(49.0)	39.0	59.0
Mg	5000	255000	216000	294000	248000	210000	286000
Mn	15	(7.0)	-8.0	22.0	507	430	584
Ni	40	(2.0)	-38.0	42.0	954	810	1100
Se	35	(0.0)	-35.0	35.0	(46.0)	11.0	81.0
Ag	10	(0.0)	-10.0	10.0	201	170	232
Tl	25	(0.0)	-25.0	25.0	(108)	83.0	133
V	50	(0.0)	-50.0	50.0	491	417	565
Zn	60	(0.0)	-60.0	60.0	952	809	1095

ICSA M5126 M5127 M5128 M5129 M5130

ICSB M5219 M5220 M5221 M5222 M5223

The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 1 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

V15200 R: 04/24/22 (BP)

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CERTIFIED WEIGHT REPORT:

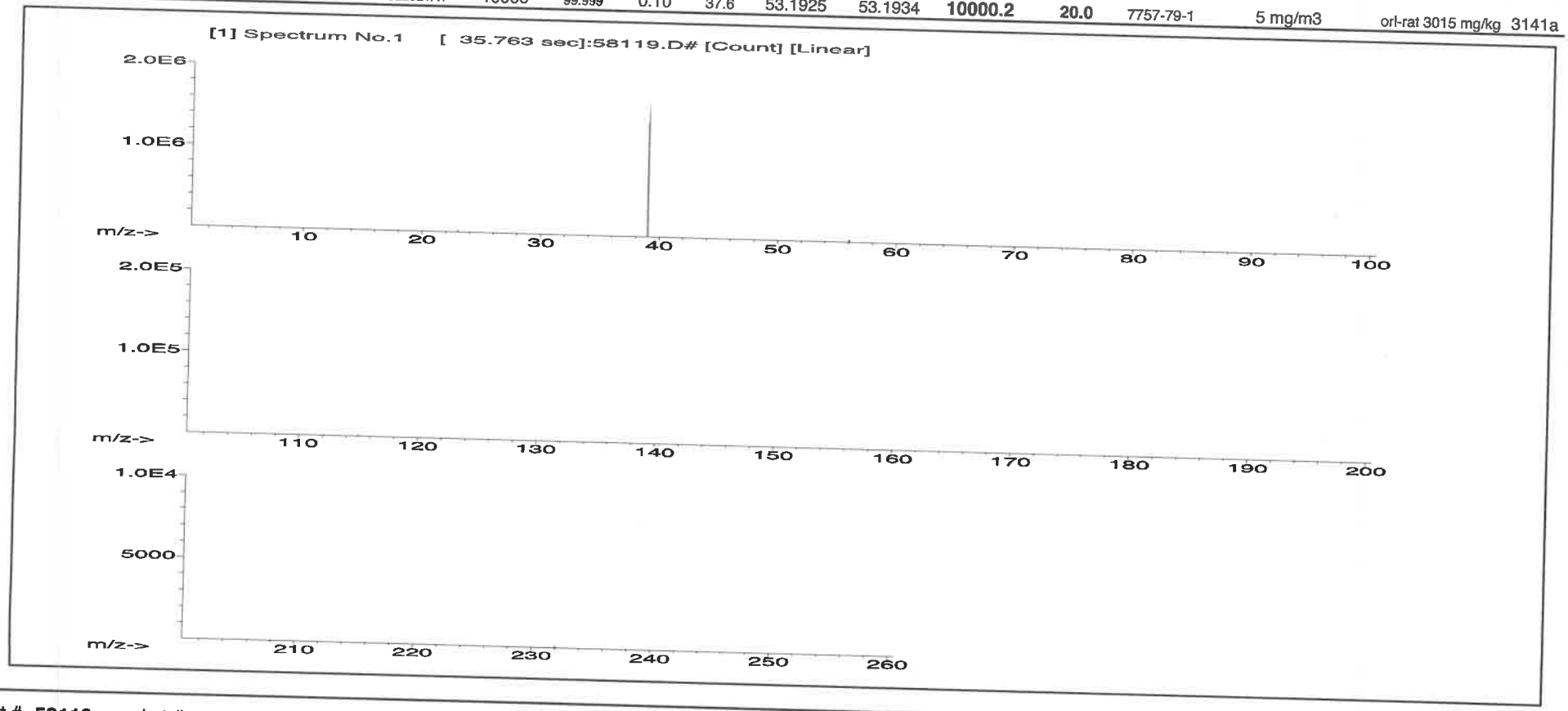
Part Number: 58119
Lot Number: 071122
Description: Potassium (K)

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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

M5289 R: 07/12/22 BH

Certified Reference Material CRM

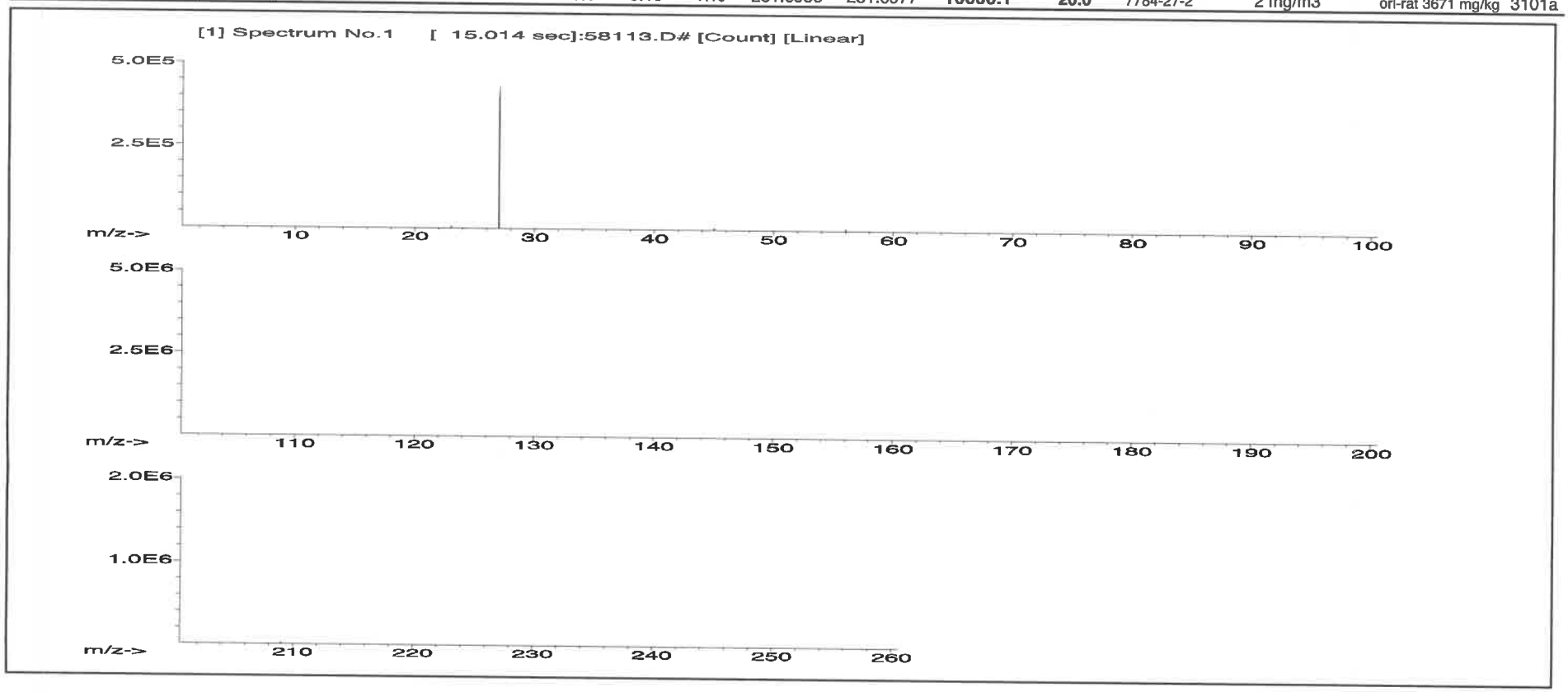
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT:

Part Number:	**58113**		**Lot #**		
Lot Number:	**070622**		**Solvent:**	20370011	Nitric Acid
Description:	**Aluminum (Al)**				
			2%	40.0 (mL)	Nitric Acid
Expiration Date:	070625				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	070622
Reviewed By:	Pedro L. Rentas	070622

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Aluminum nitrate nonahydrate (Al)	IN022	ALD012021A1	10000	99.999	0.10	7.10	281.6956	281.6977	**10000.1**	**20.0**	7784-27-2	2 mg/m3	orl-rat 3671 mg/kg	3101a



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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M5387 . M5389 . M5390 . M5391 . M5392

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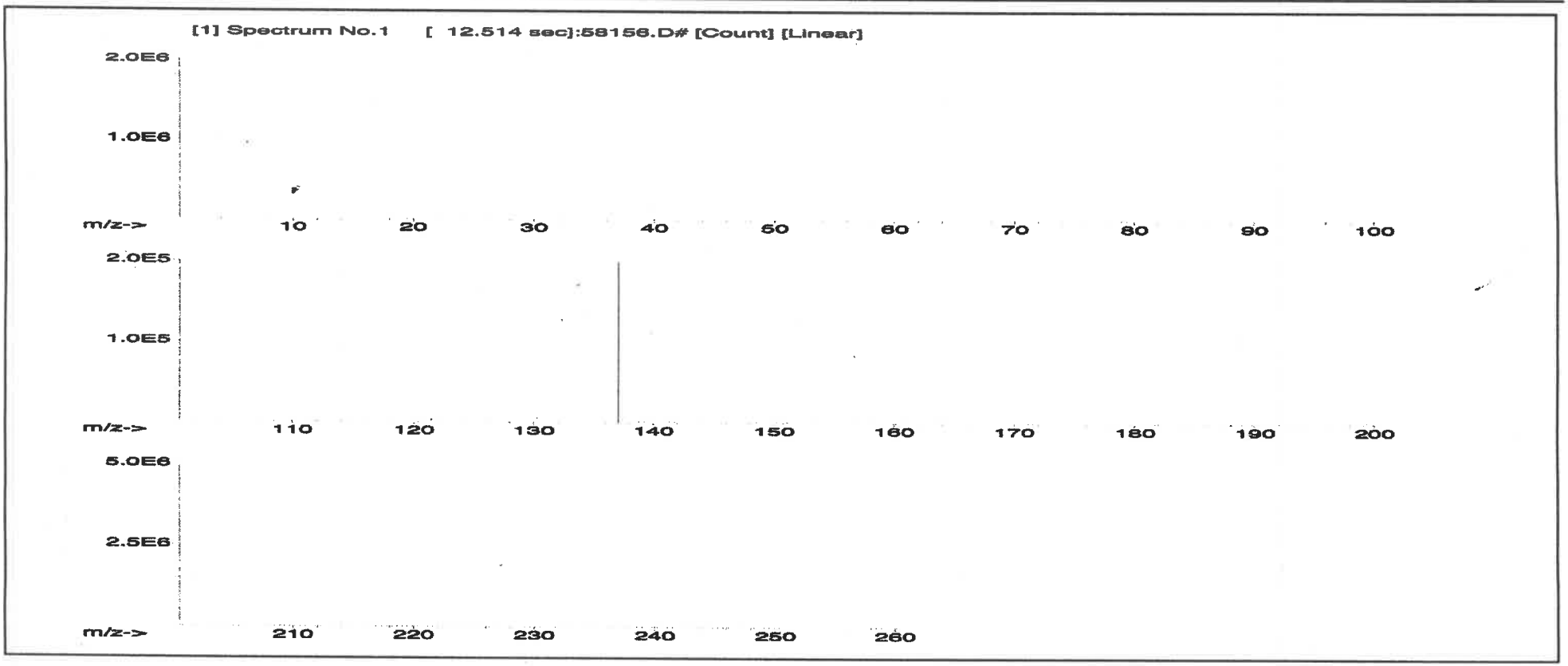
CERTIFIED WEIGHT REPORT:

Part Number:	**57056**		**Lot #**		
Lot Number:	**072122**	**Solvent:**	20510011	Nitric Acid	
Description:	**Barium (Ba)**	2%	40.0 (mL)	Nitric Acid	
Expiration Date:	072125				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Giovanni Esposito

Formulated By:	Giovanni Esposito	072122
Reviewed By:	Pedro L. Rentas	072122

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Barium nitrate (Ba)	IN023	BAD022019A1	1000	99.999	0.10	52.3	3.82417	3.82426	**1000.0**	**2.0**	10022-31-8	0.5 mg/m3	orl-rat 355 mg/kg	3104a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	T	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
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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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M5429 R1 01/26/23 BH

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CERTIFIED WEIGHT REPORT:

Part Number: 57103
Lot Number: 070622
Description: Lithium (Li)

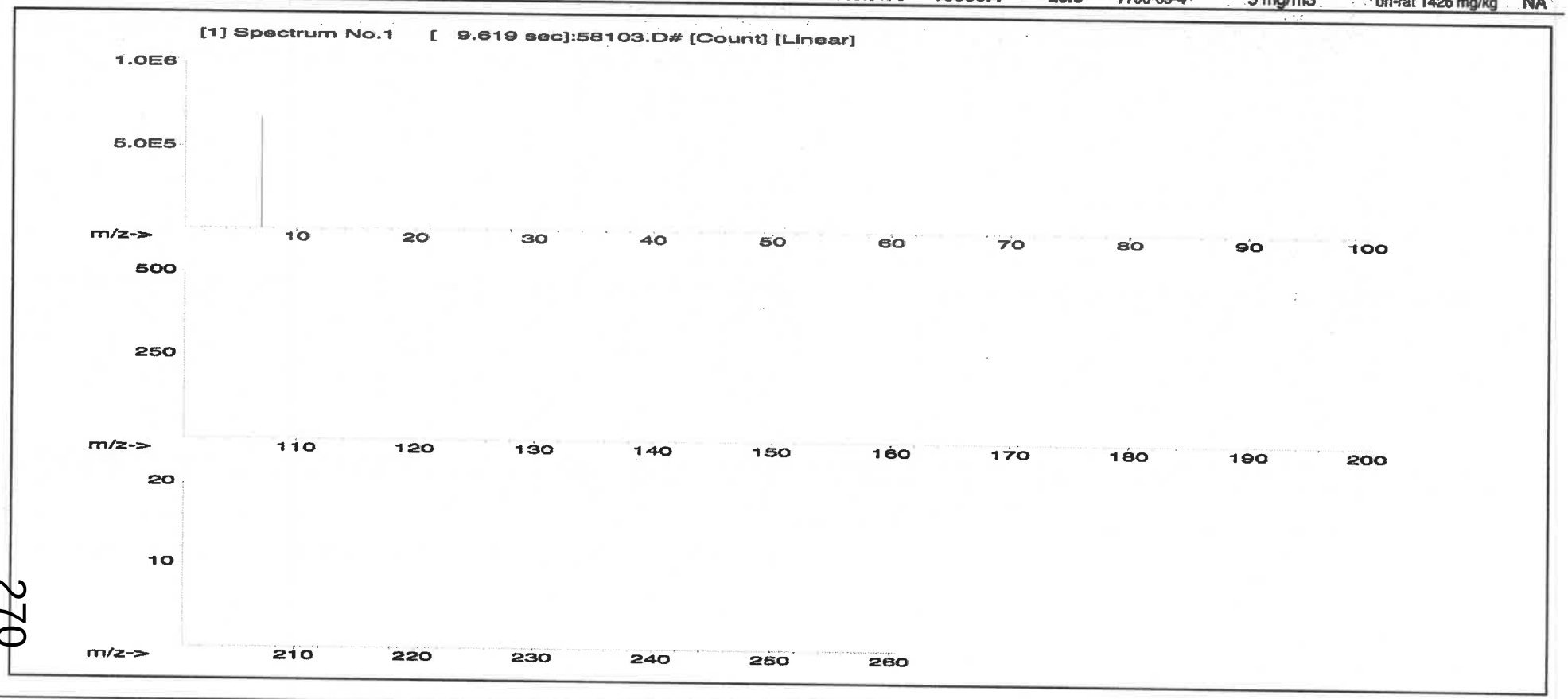
Expiration Date: 070625
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 1000.12

	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.
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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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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

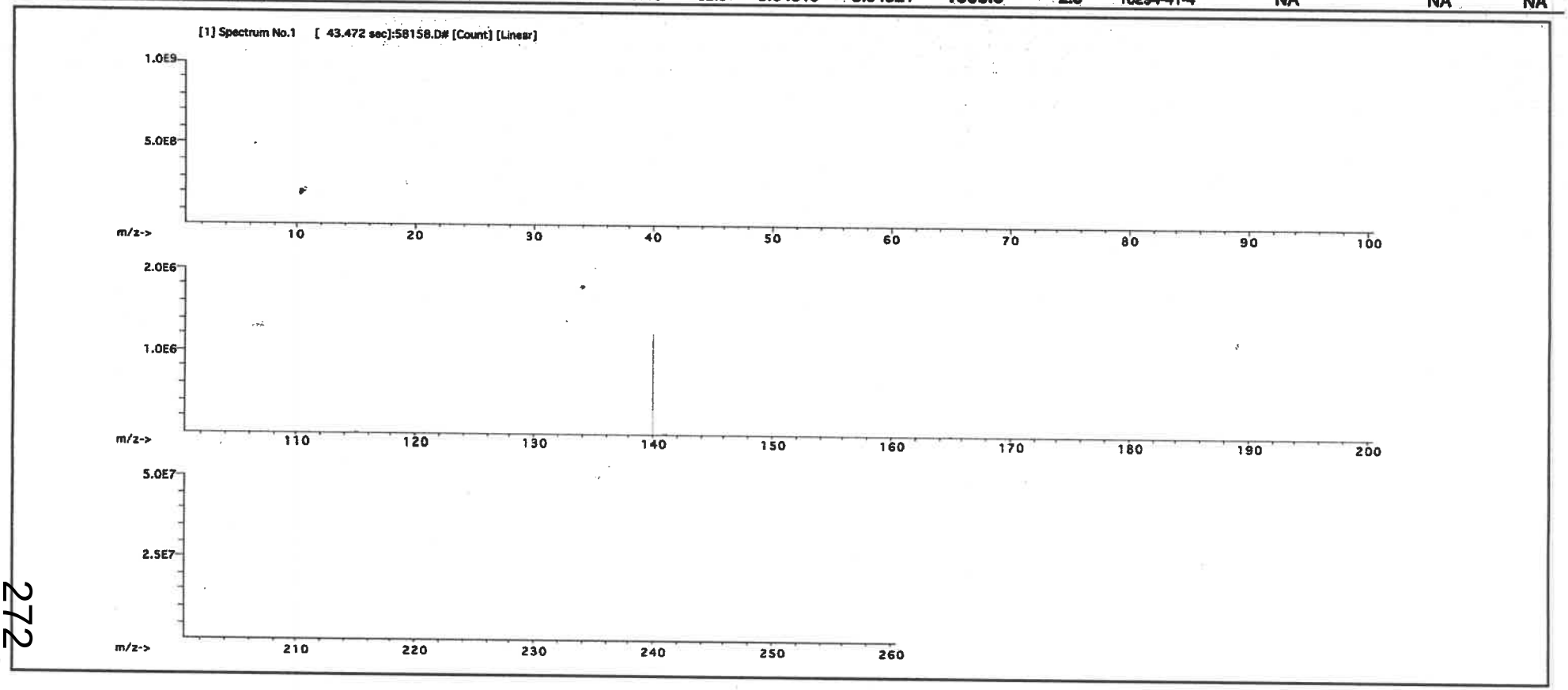
Weight shown below was diluted to (mL): 1000.12 0.058 Flask Uncertainty

	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.

* 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).

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IN5497 - IN5498 R: 03/17/23 BH

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CERTIFIED WEIGHT REPORT:

Part Number: 58120
Lot Number: 031523
Description: Calcium (Ca)

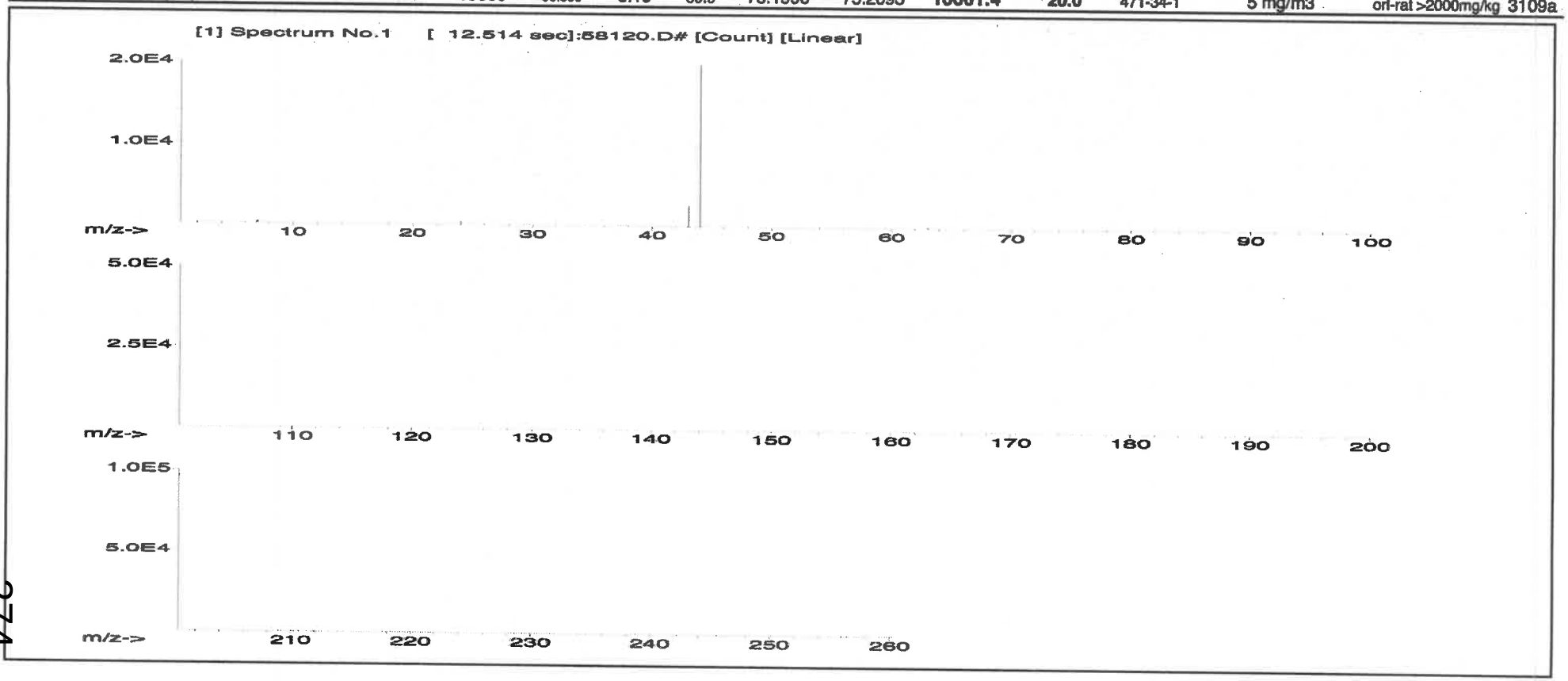
Expiration Date: 031526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41 ± 0.058 Flask Uncertainty

	Lot #		
Solvent:	21110221	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	
		5E-05	Balance Uncertainty

Giovanni Esposito
Formulated By: Giovanni Esposito 031523

Pedro Rentas
Reviewed By: Pedro L. Rentas 031523

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Calcium carbonate (Ca)	IN014	CAD072022A1	10000	99.999	0.10	39.9	75.1990	75.2093	**10001.4**	**20.0**	471-34-1	5 mg/m3	orl-rat >2000mg/kg	3109a



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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.
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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).

G1275

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Certified Reference Material CRM

MS513 R:03/17/23

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CERTIFIED WEIGHT REPORT:

Part Number: 57182
Lot Number: 061522
Description: Lead (Pb)

Expiration Date: 061525
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

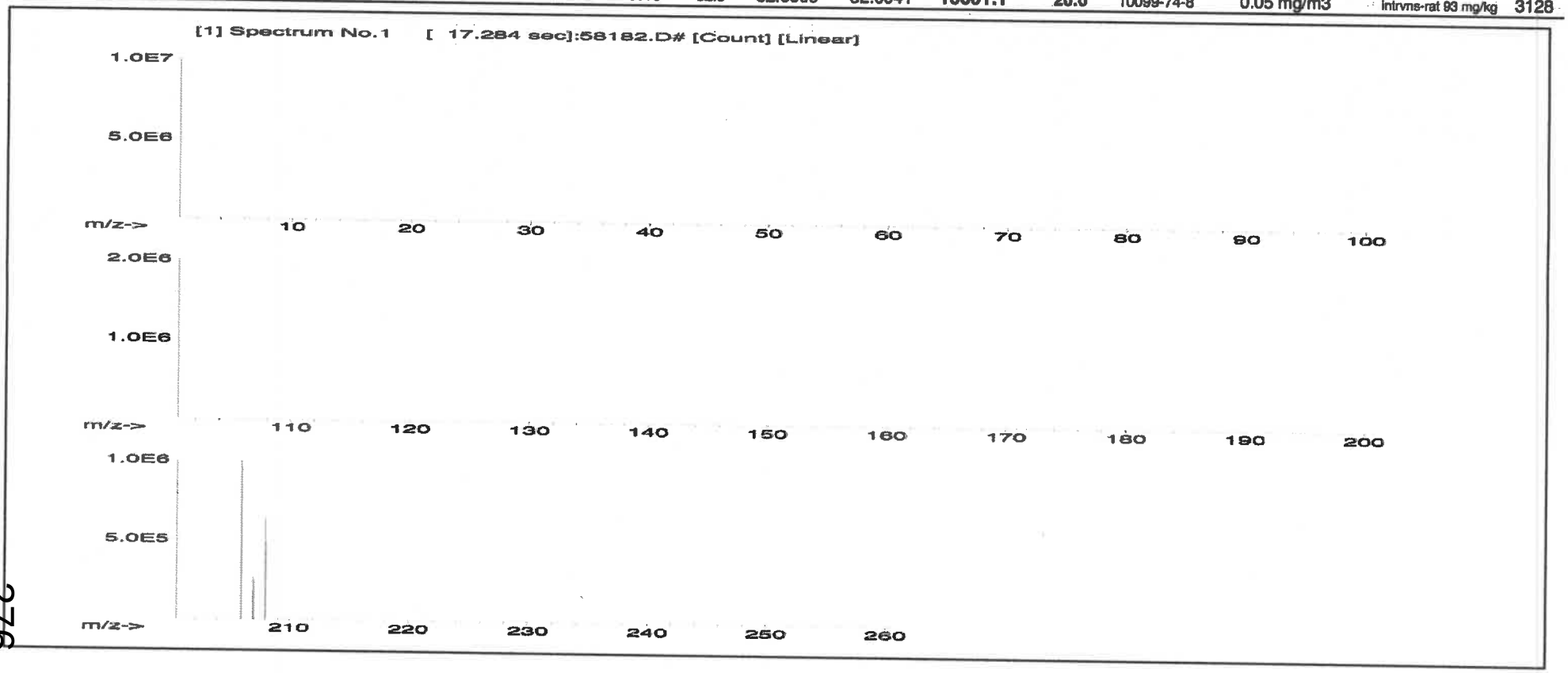
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Giovanni Esposito

Formulated By:	Giovanni Esposito	061522
Reviewed By:	Pedro L. Rentas	061522

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lead(II) nitrate (Pb)	IN029	PBD122016A1	10000	99.999	0.10	62.5	32.0006	32.0041	**10001.1**	**20.0**	10099-74-8	0.05 mg/m3	Intrvns-rat 93 mg/kg	3128



276

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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M5514 - M5515 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

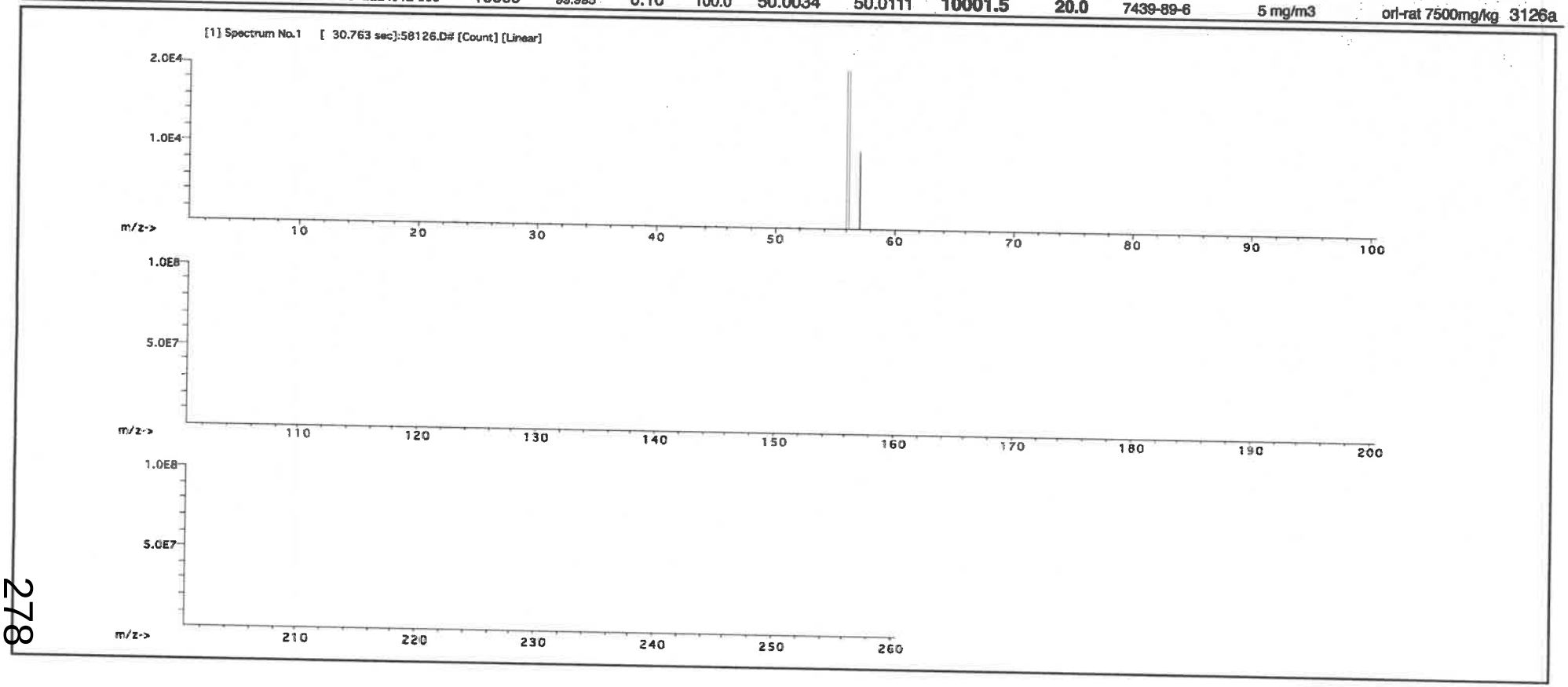
	Lot #		
Solvent:	20510011	Nitric Acid	
7.0%	350.0 (mL)	Nitric Acid	

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



278

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.10	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.10	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.05	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.10	Ge	<0.10	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.05
B	<0.02	Cu	<0.10	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* 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).

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M5519. M5520 (BH) R:03/17/23

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280

CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 120822
Description: Potassium (K)

Expiration Date: 120825
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

Weight shown below was diluted to (mL): 3000.4 ± 0.06 Flask Uncertainty

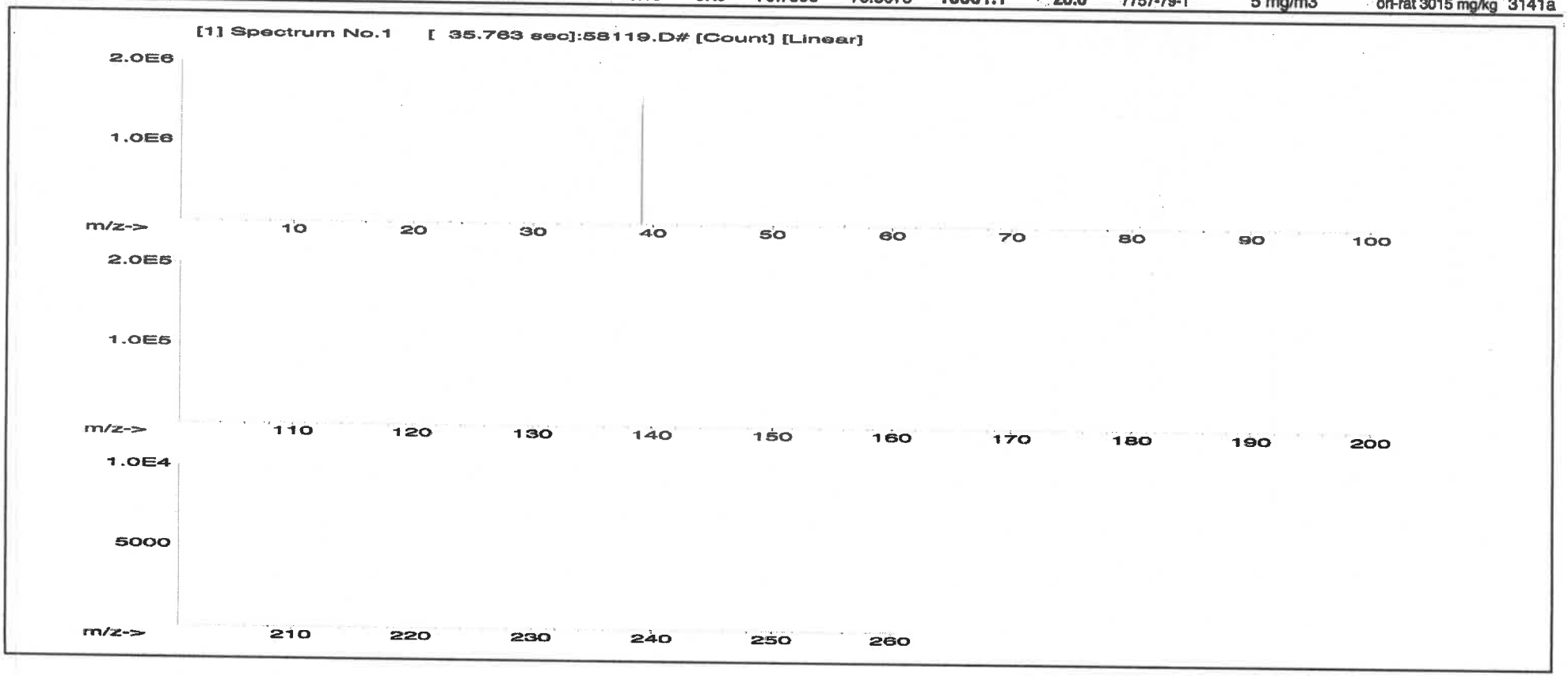
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Giovanni Esposito

Formulated By:	Giovanni Esposito	120822
Reviewed By:	Pedro L. Rentas	120822

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Potassium nitrate (K)	IN034	KD022021A1	10000	99.999	0.10	37.6	79.7990	79.8075	**10001.1**	**20.0**	7757-79-1	5 mg/m3	orl-rat 3015 mg/kg	3141a



281

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).

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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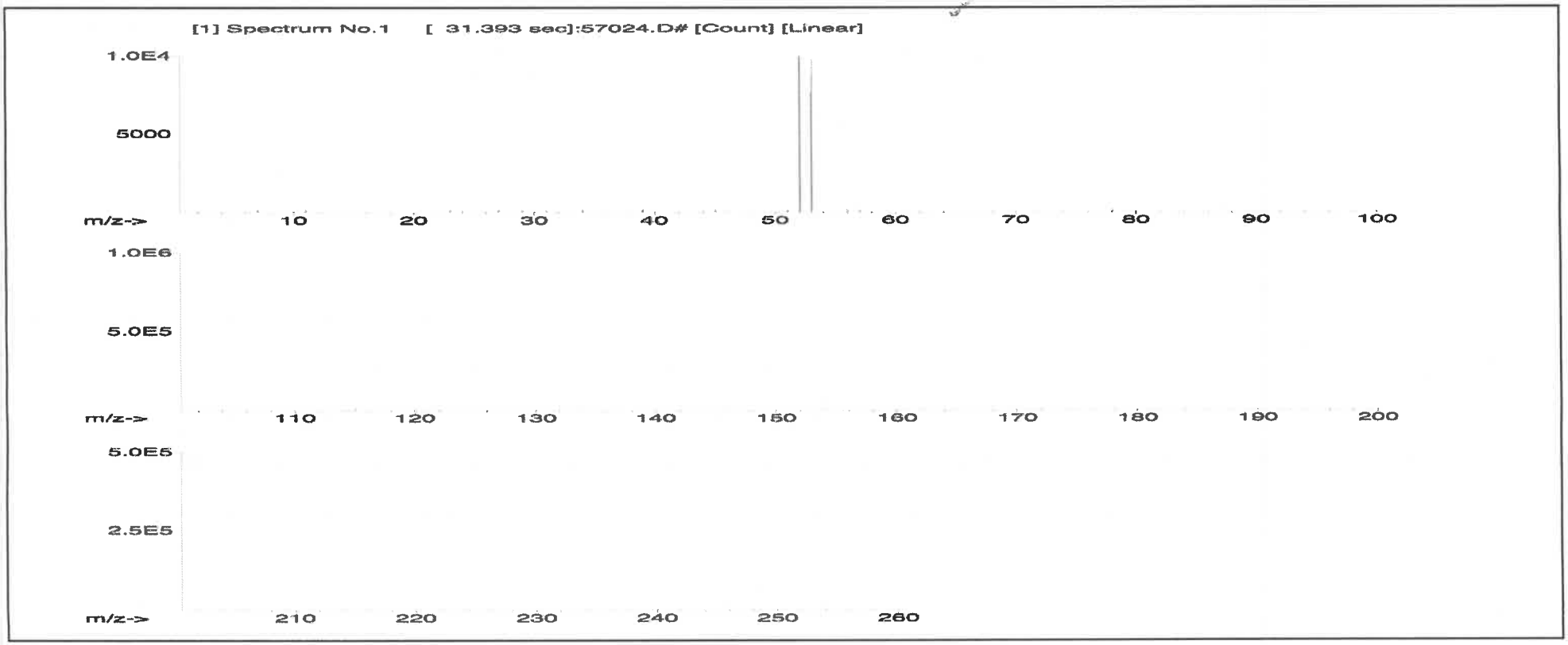
283

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58024**	21110221	Nitric Acid	
Lot Number:	**060523**			
Description:	**Chromium (Cr)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	060526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	060523
Reviewed By:	Pedro L. Rentas	060523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Chromium(III) nitrate nonahydrate (Cr)	58124	071122	0.1000	200.0	0.084	1000	10000.1	**1000.0**	**2.2**	7789-02-8	0.5 mg(Cr)/m3	orl-rat 3250 mg/kg	3112a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	T	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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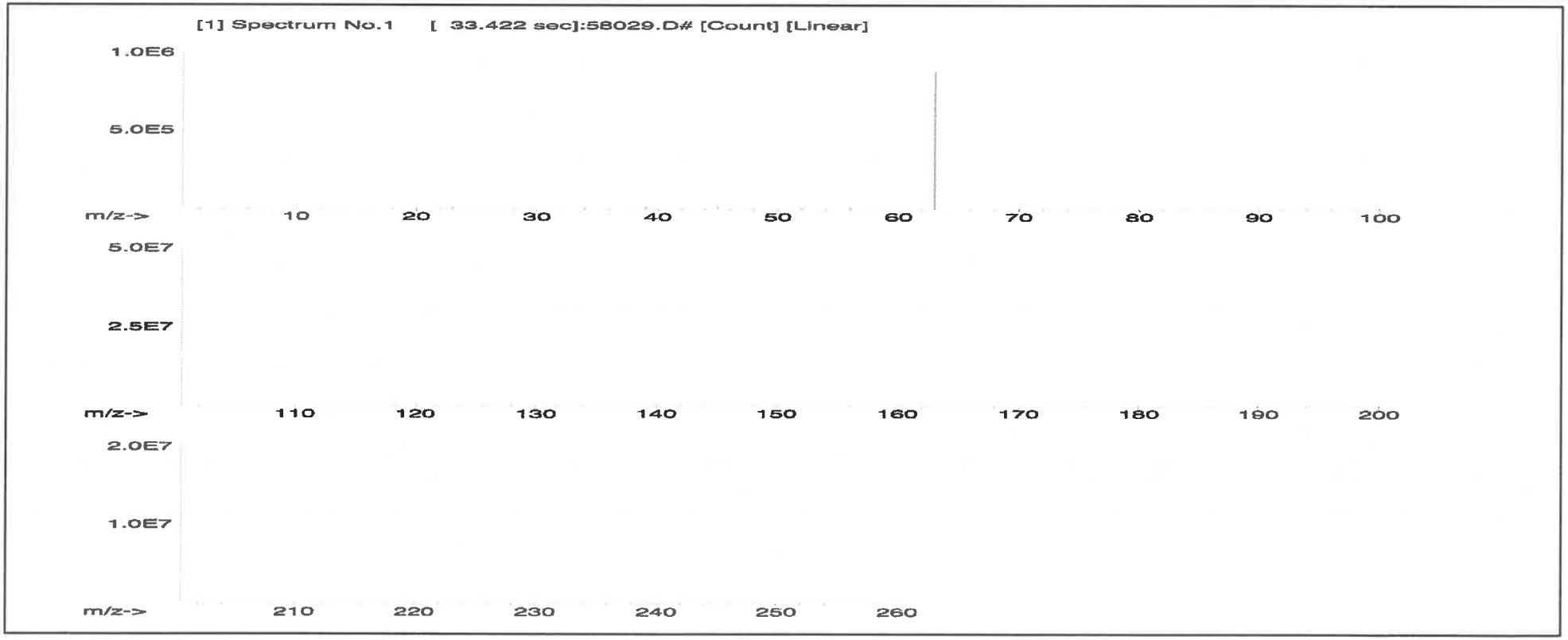
285

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



286

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:

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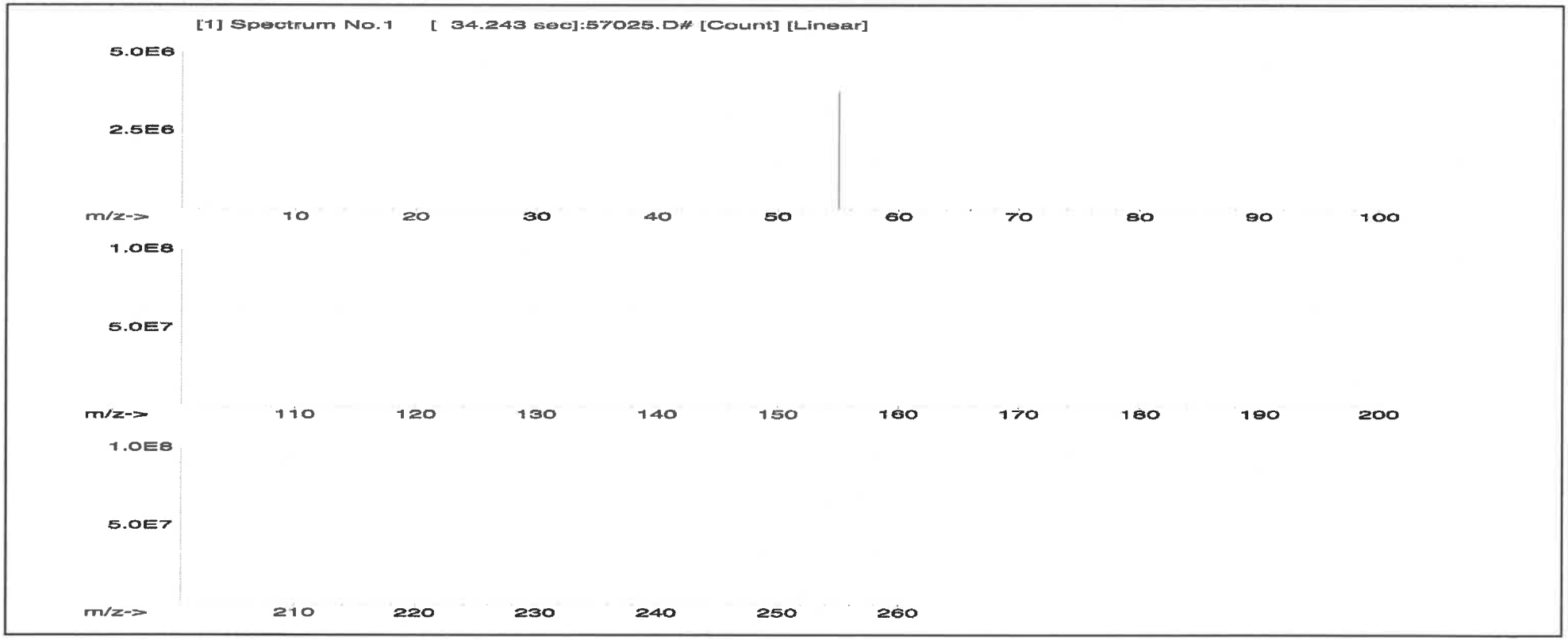
287

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



288

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	T	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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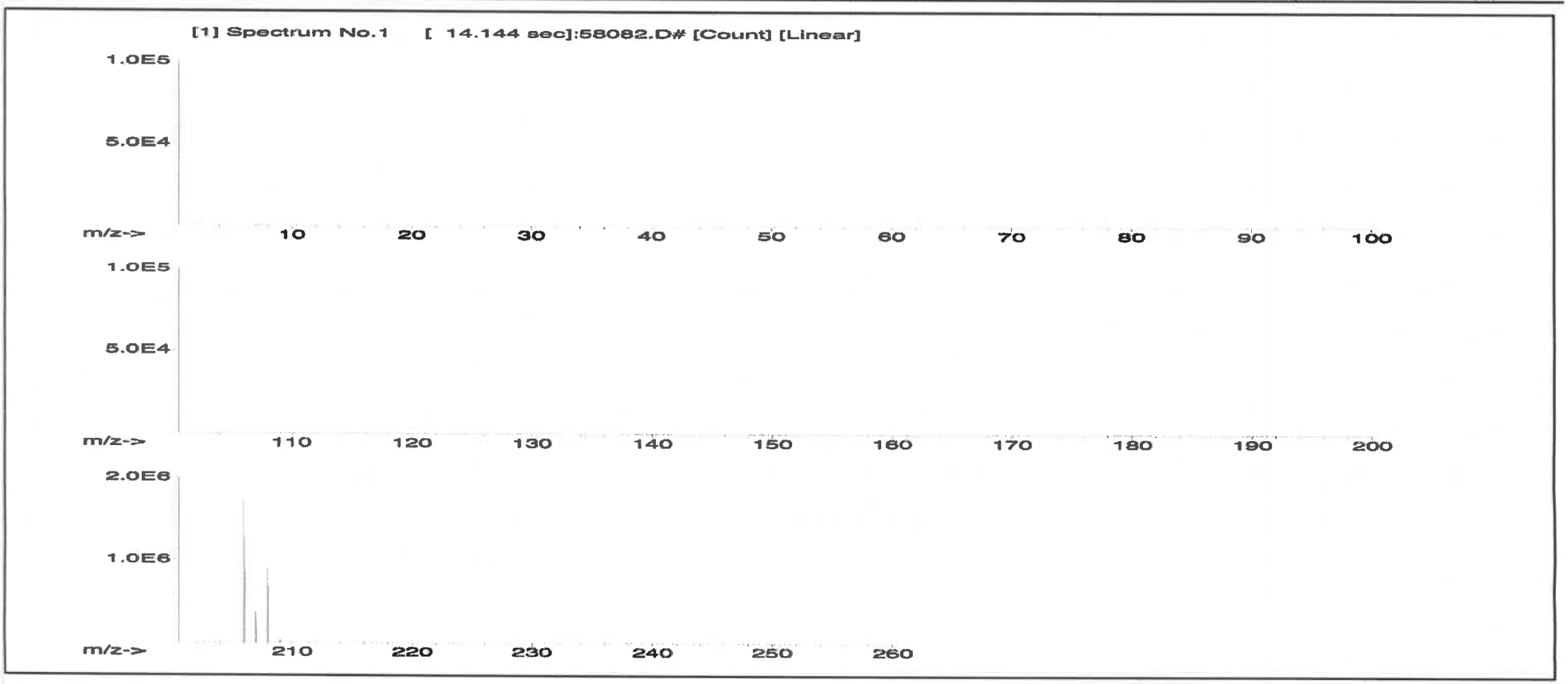
289

CERTIFIED WEIGHT REPORT:

Part Number:	**57082**			**Lot #**	
Lot Number:	**100923**	**Solvent:**	24002546	Nitric Acid	
Description:	**Lead (Pb)**	2%	60.0 (mL)	Nitric Acid	
Expiration Date:	100926				
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):	3000.41	0.06	Flask 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.

* 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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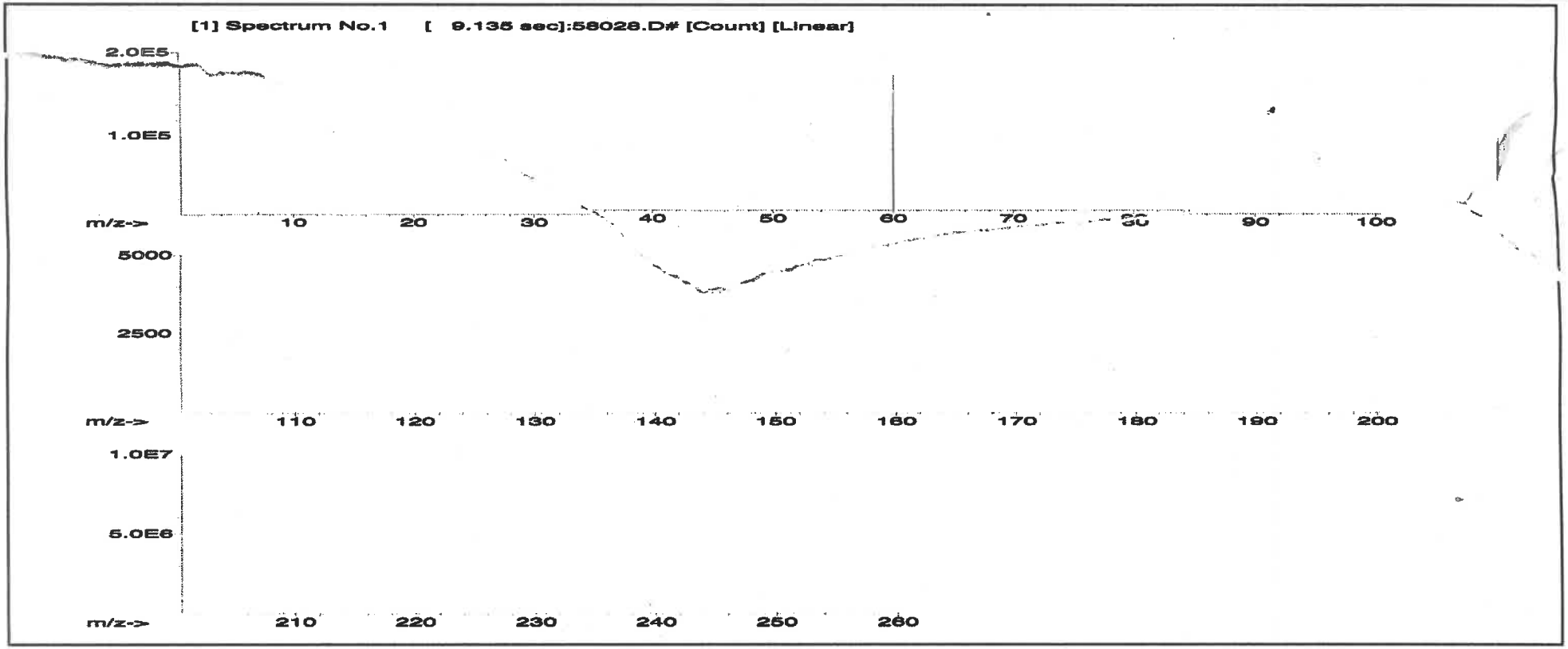
291

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



292

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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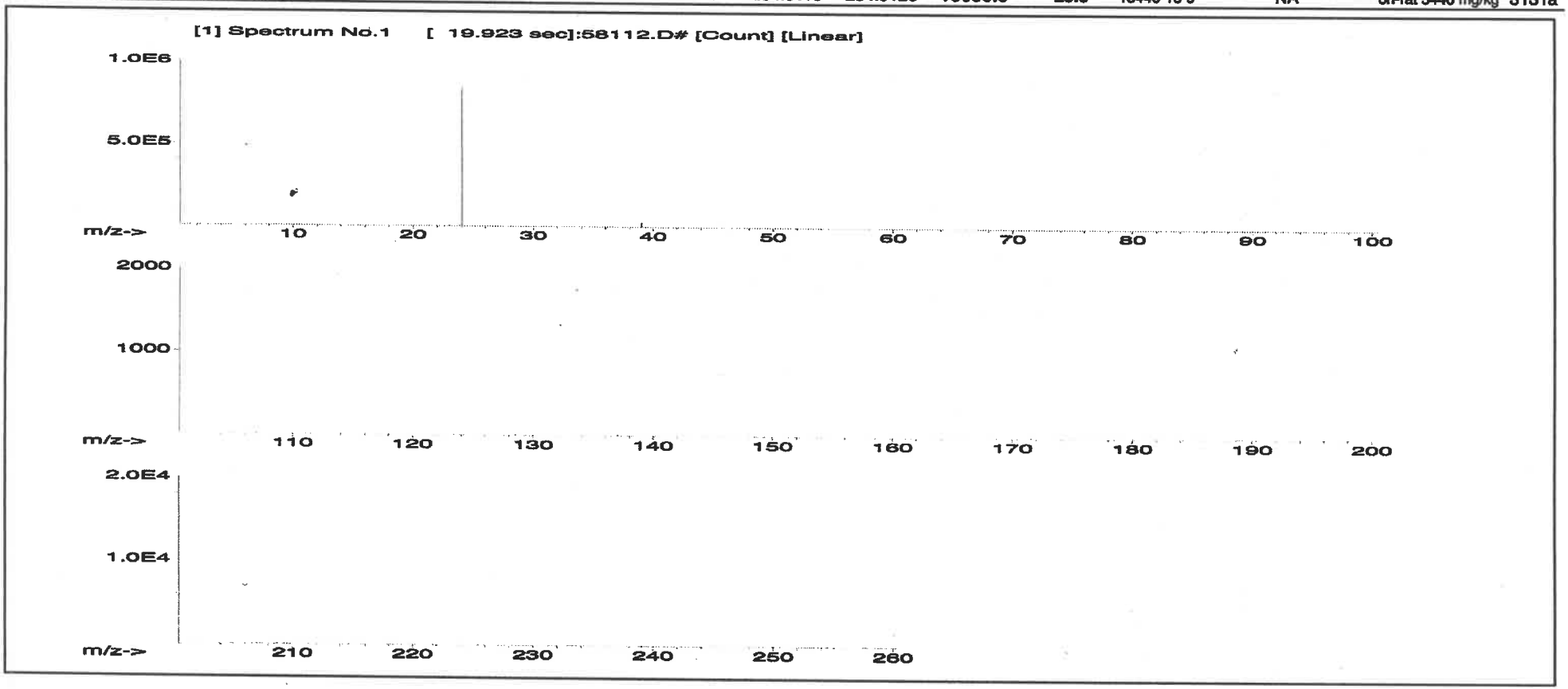
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CERTIFIED WEIGHT REPORT:

			Lot #	
Part Number:	**58112**	**Solvent:**	24002546	Nitric Acid
Lot Number:	**091823**			
Description:	**Magnesium (Mg)**	2%	40.0 (mL)	Nitric Acid
Expiration Date:	091826			
Recommended Storage:	Ambient (20 °C)	M5768, M5769 (BP) R: 1/3/24		
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05 Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058 Flask Uncertainty		

Formulated By:	Lawrence Barry	091823
Reviewed By:	Pedro L. Rentas	091823

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Magnesium nitrate hexahydrate (Mg)	IN030	MGD052023A1	10000	99.999	0.10	8.51	234.9118	234.9126	**10000.0**	**20.0**	13446-18-9	NA	ori-rat 5440 mg/kg	3131a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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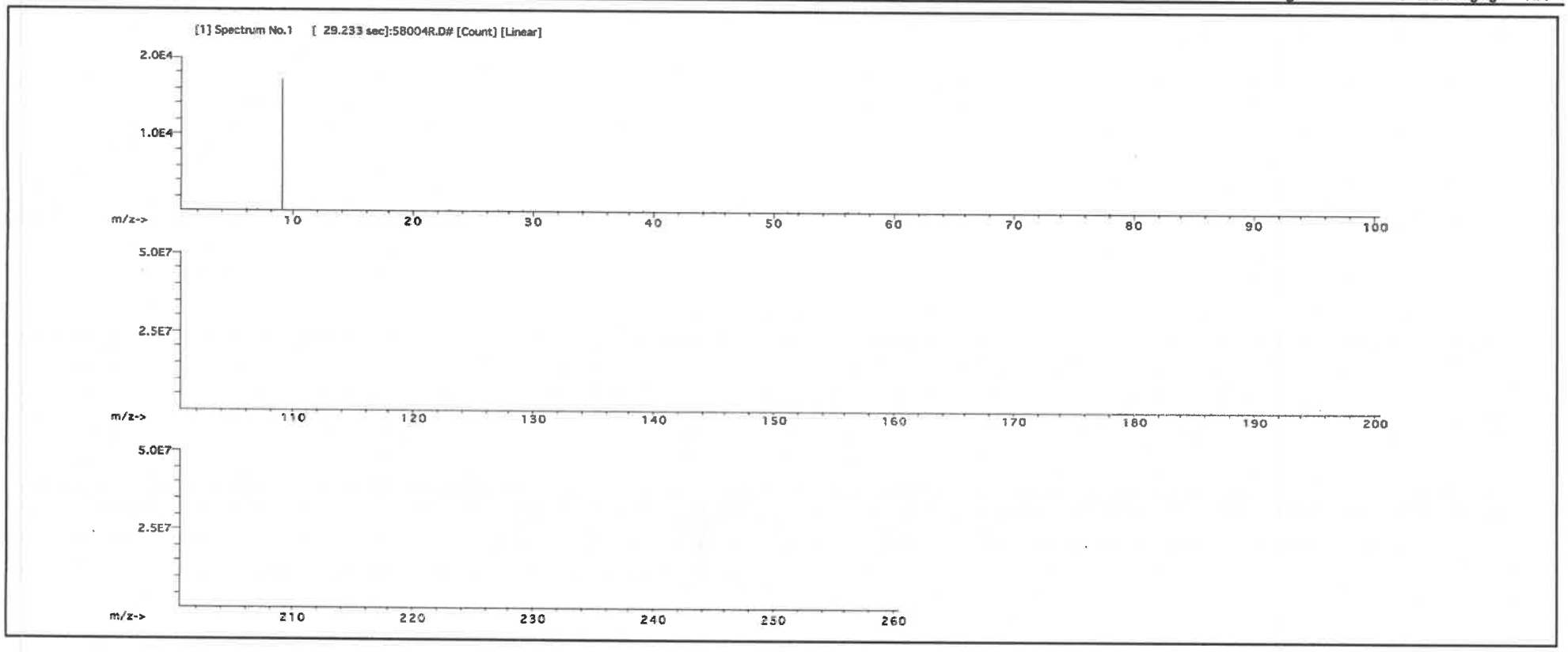
295

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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297

CERTIFIED WEIGHT REPORT:

Part Number: 57050
Lot Number: 071123
Description: Tin (Sn)

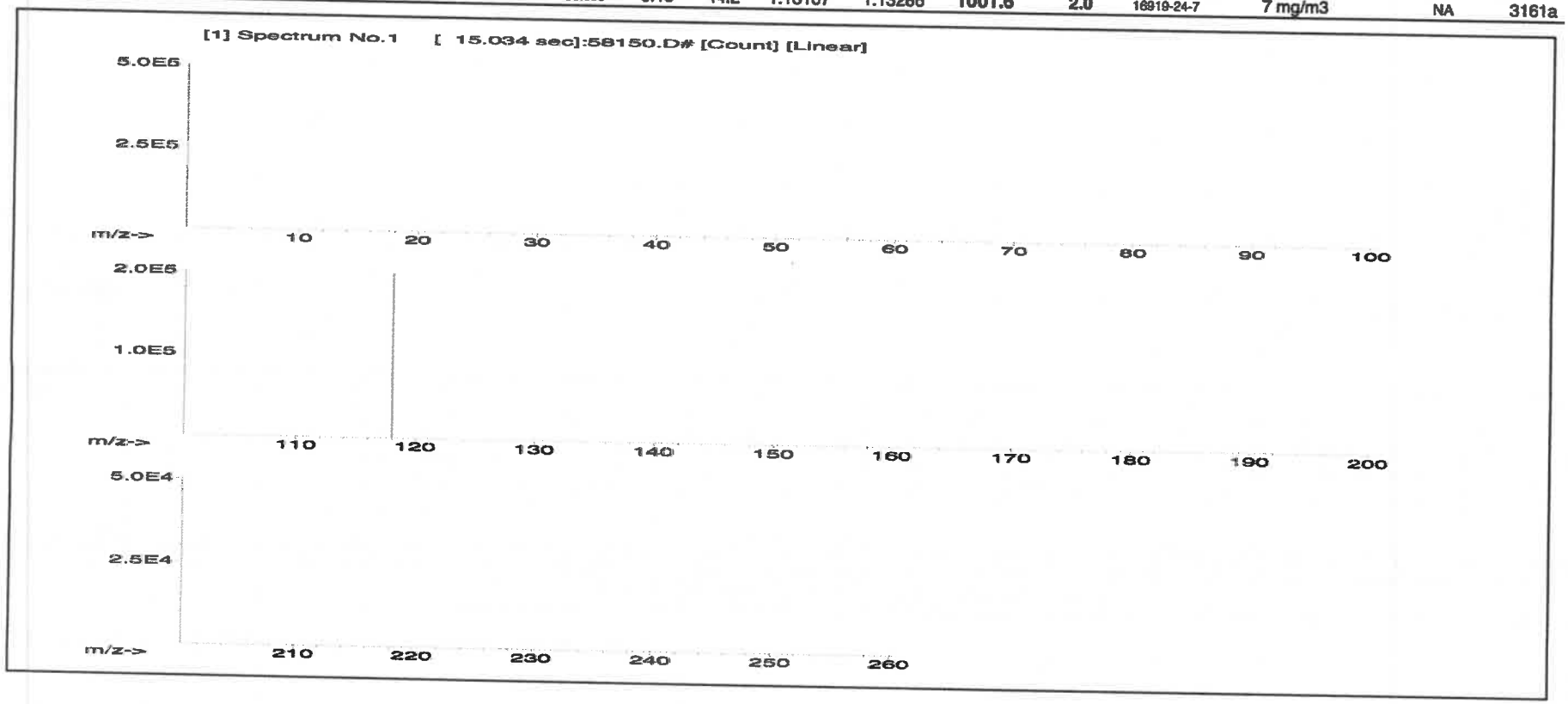
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93

	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



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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	<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:

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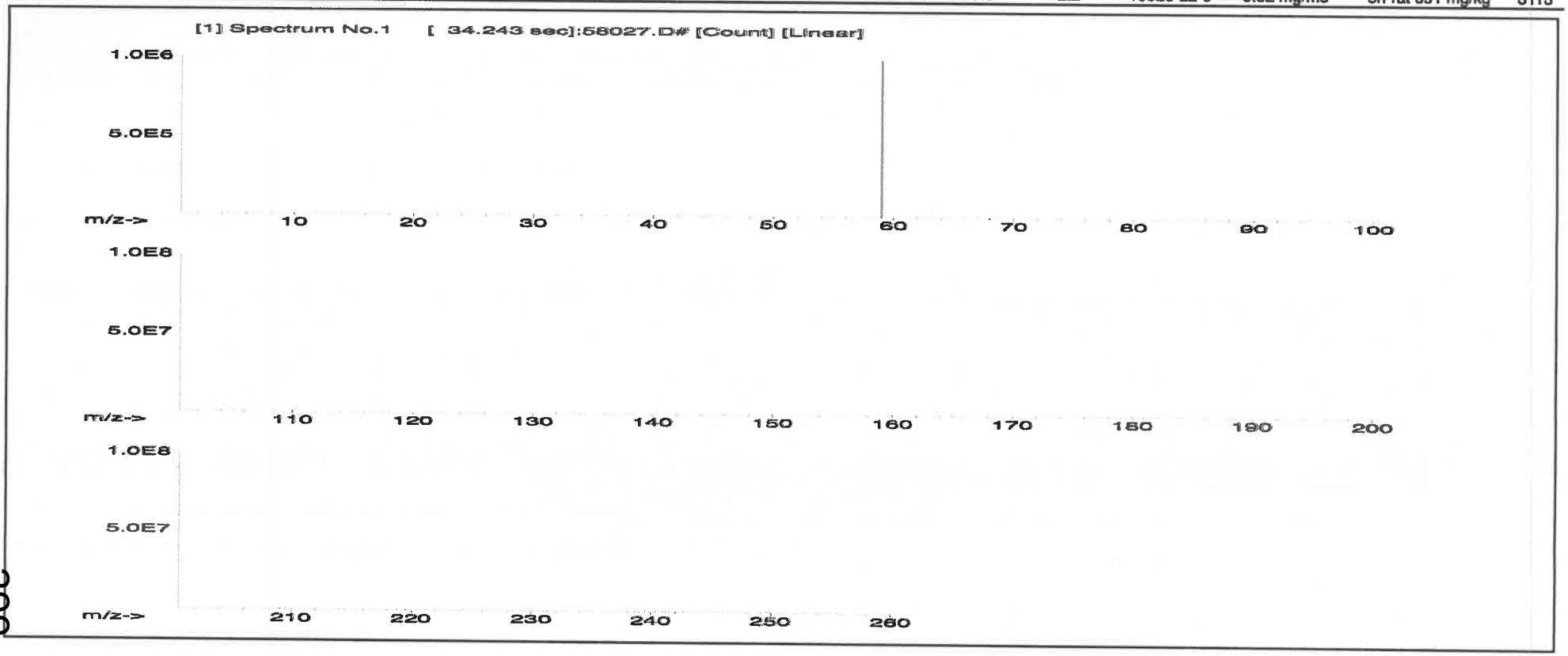
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CERTIFIED WEIGHT REPORT:

		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



299

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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* 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).

300

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301

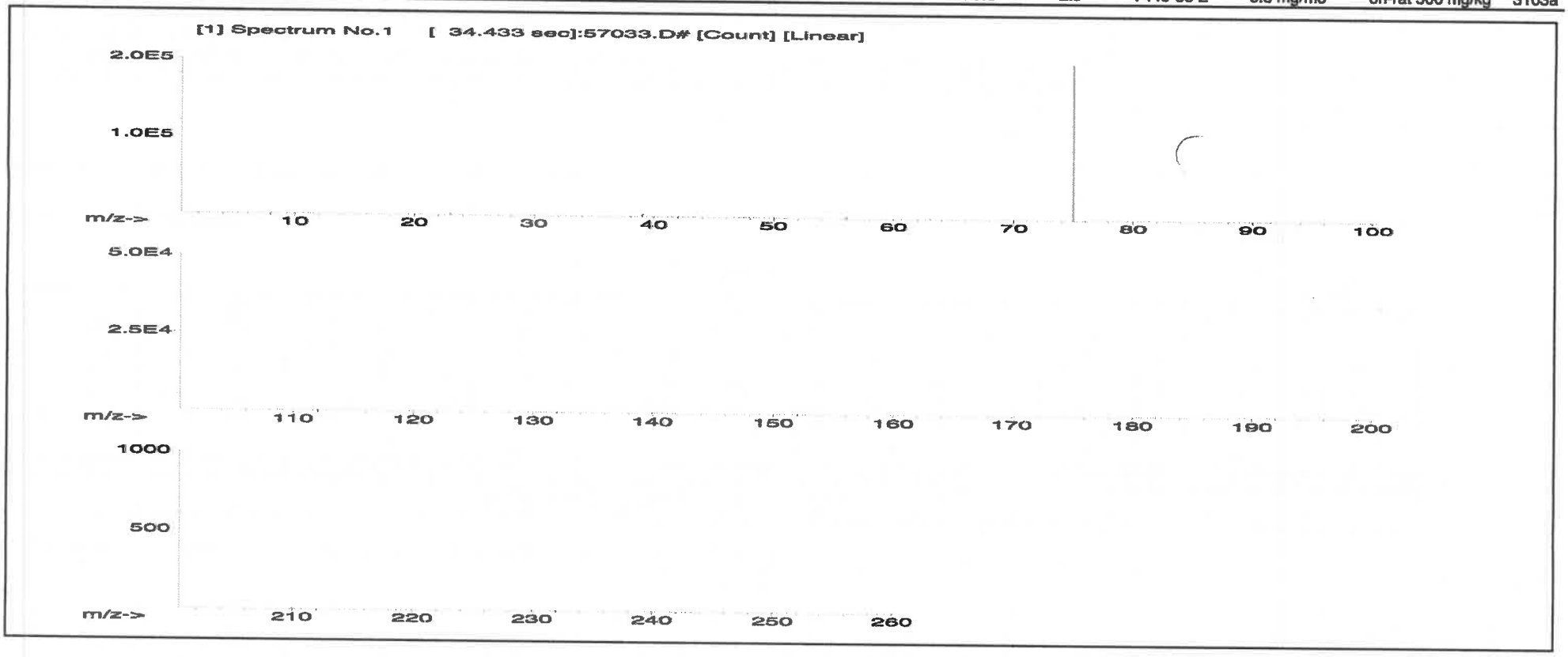
CERTIFIED **WEIGHT** REPORT:

		Lot #	Solvent:		
Part Number:	**57033**				
Lot Number:	**111323**	24002546	Nitric Acid		
Description:	**Arsenic (As)**				
		2.0%	80.0 (mL)	Nitric Acid	
Expiration Date:	111326				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty		

Formulated By: Lawrence Barry 111323

Reviewed By: Pedro L. Rentas 111323

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Arsenic (As)	58133	020522	0.1000	400.0	0.084	1000	10001.0	**1000.0**	**2.0**	7440-38-2	0.5 mg/m3	orl-rat 500 mg/kg	3103a



302

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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* 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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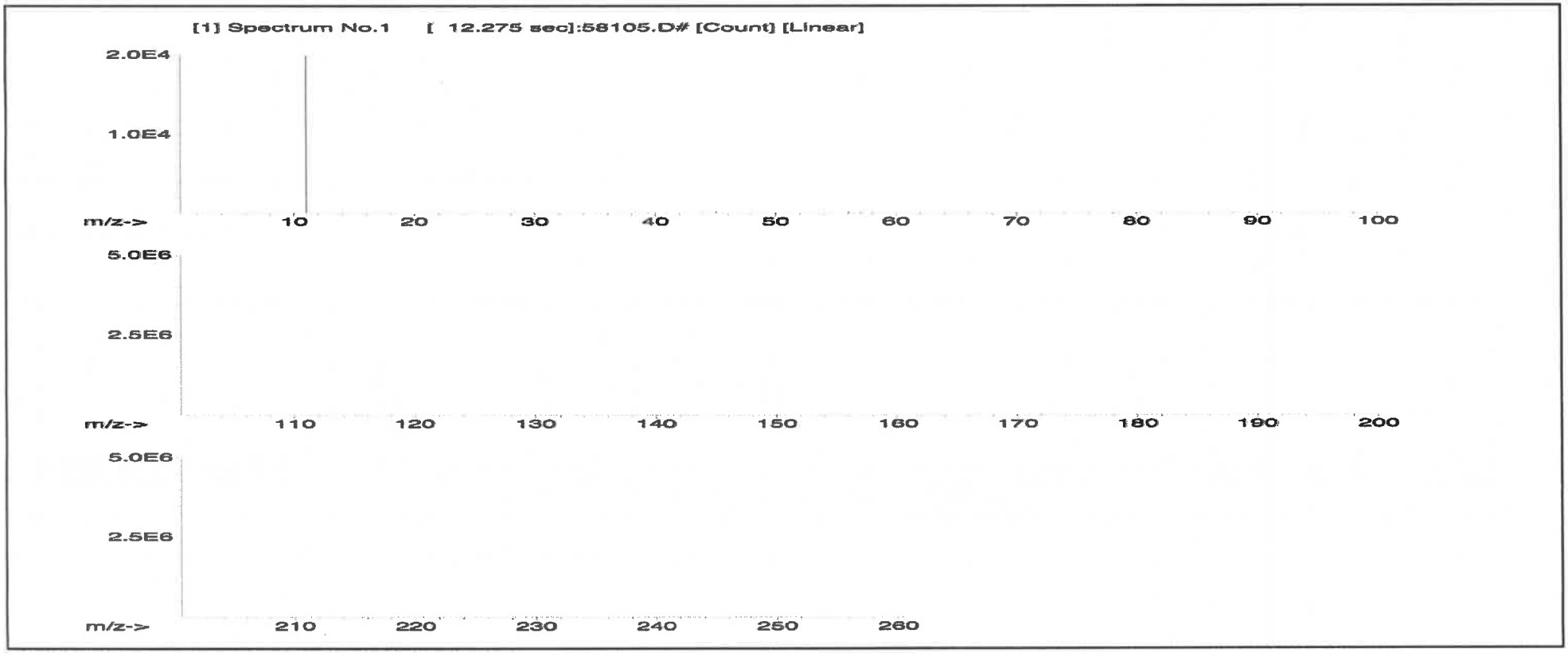
303

CERTIFIED WEIGHT REPORT:

Part Number:	**57005**		**Solvent:**	**Lot #** MKBQ8597V	Ammonium hydroxide
Lot Number:	**071123**				
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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* 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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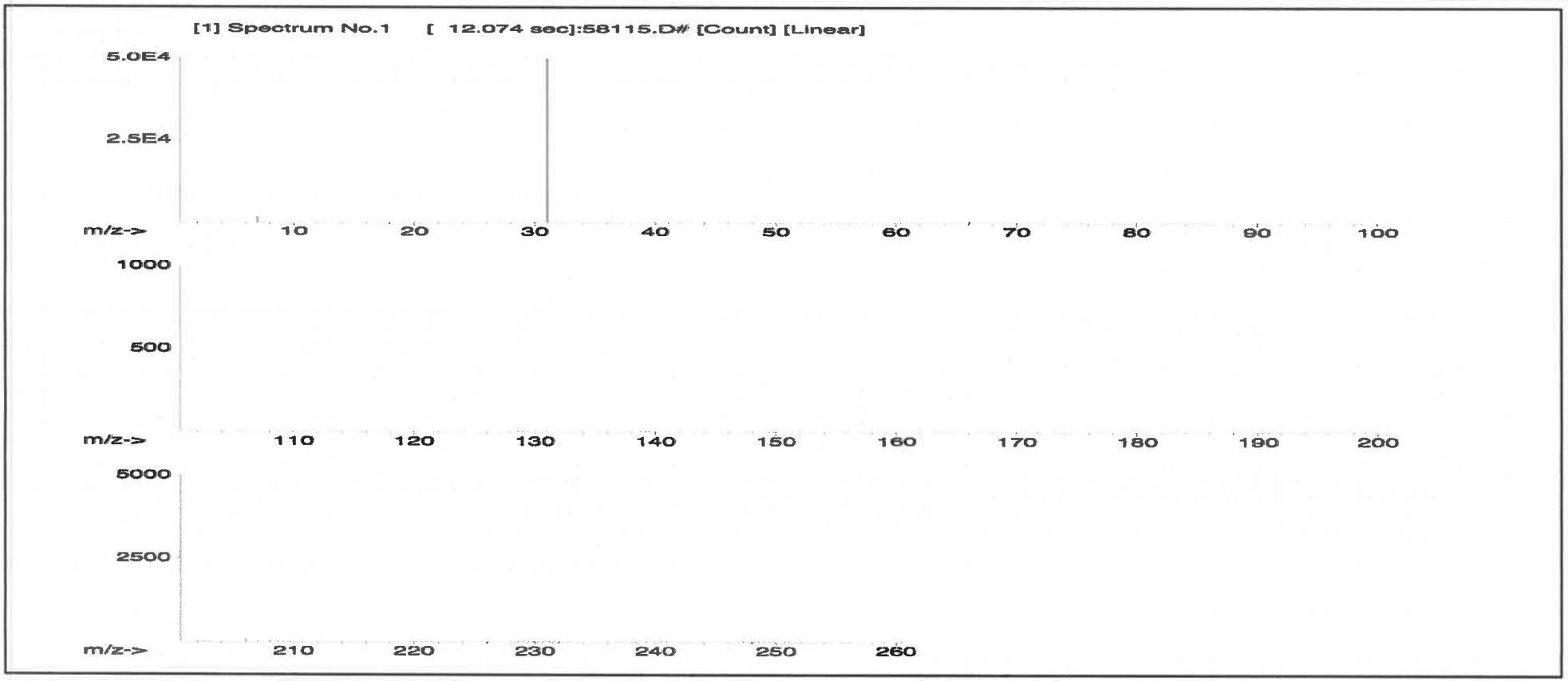
305

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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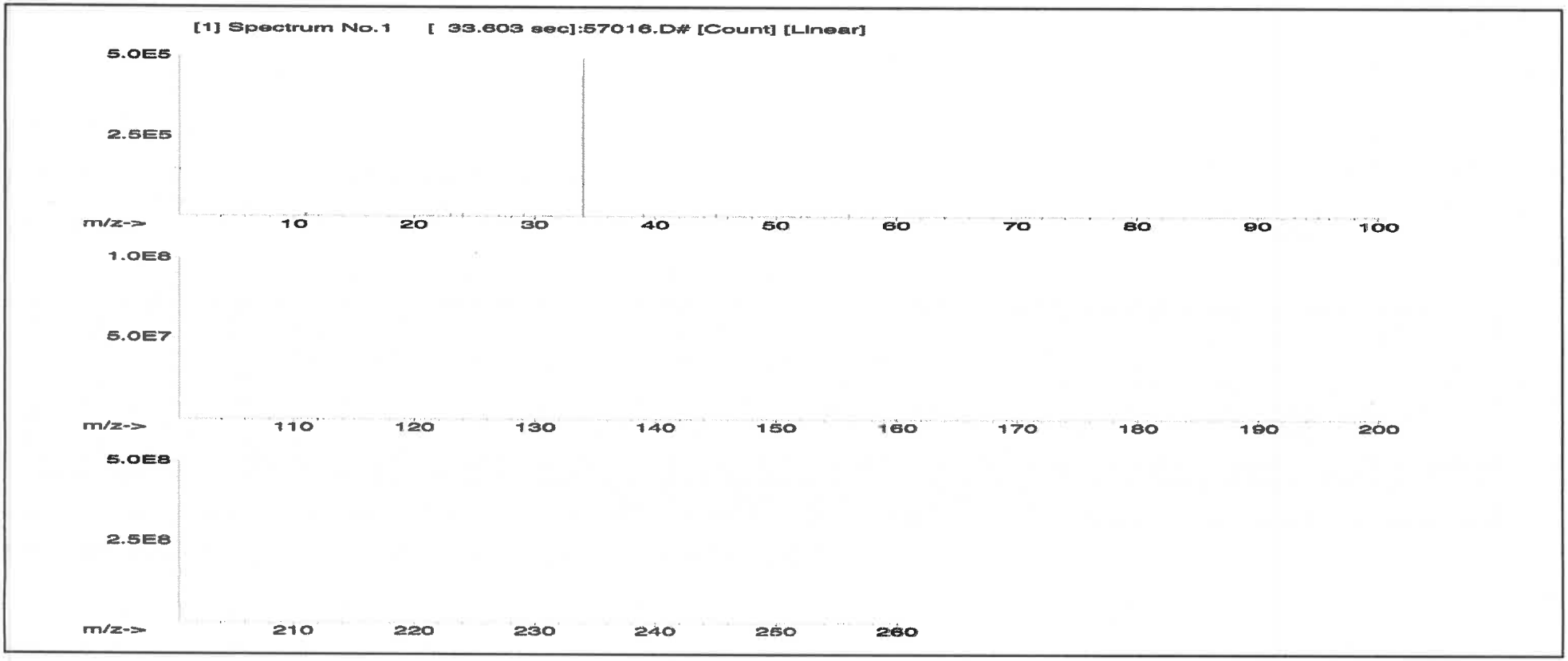
307

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



308

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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309

CERTIFIED WEIGHT REPORT:

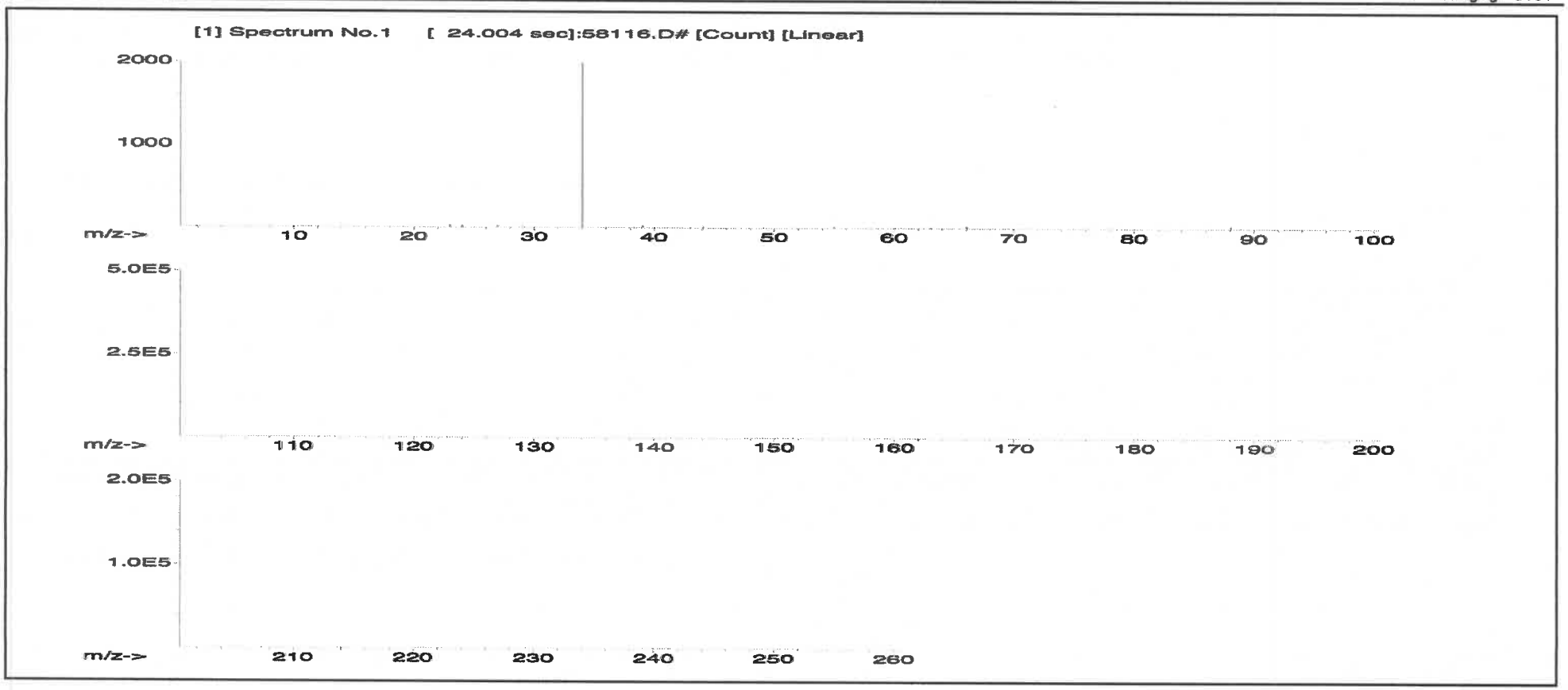
Part Number: 57116
Lot Number: 071123
Description: Sulfur (S)

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



310

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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R: 02/09/24 M.5818

Lot #

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311

CERTIFIED WEIGHT REPORT:

Part Number: 57014
Lot Number: 122023
Description: Silicon (Si)

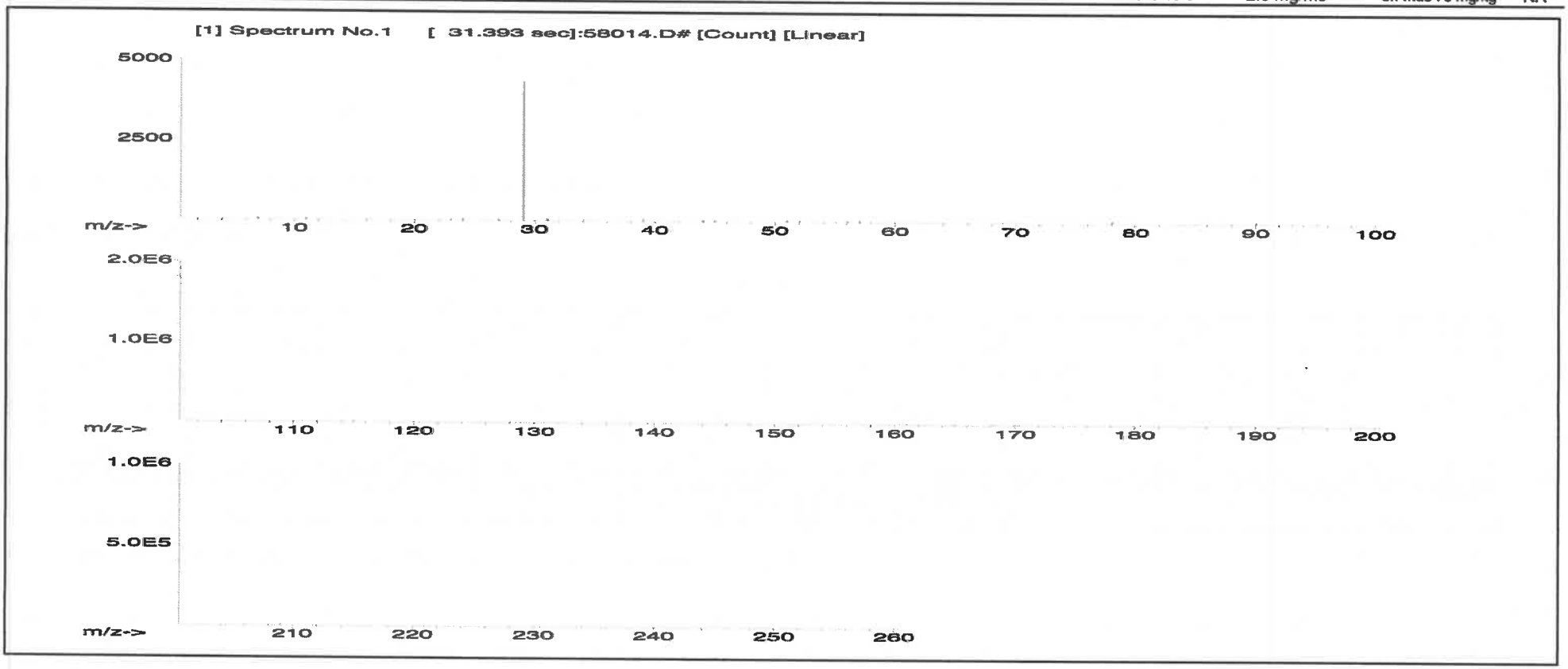
Expiration Date: 122026
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB 5E-05 Balance Uncertainty
Weight shown below was diluted to (mL): 1999.48 0.058 Flask Uncertainty

Solvent: 24002546 Nitric Acid
2% 40.0 (mL) Nitric Acid

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



312

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	T	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* 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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313

CERTIFIED WEIGHT REPORT:

Part Number: 58030
Lot Number: 111623
Description: Zinc (Zn)

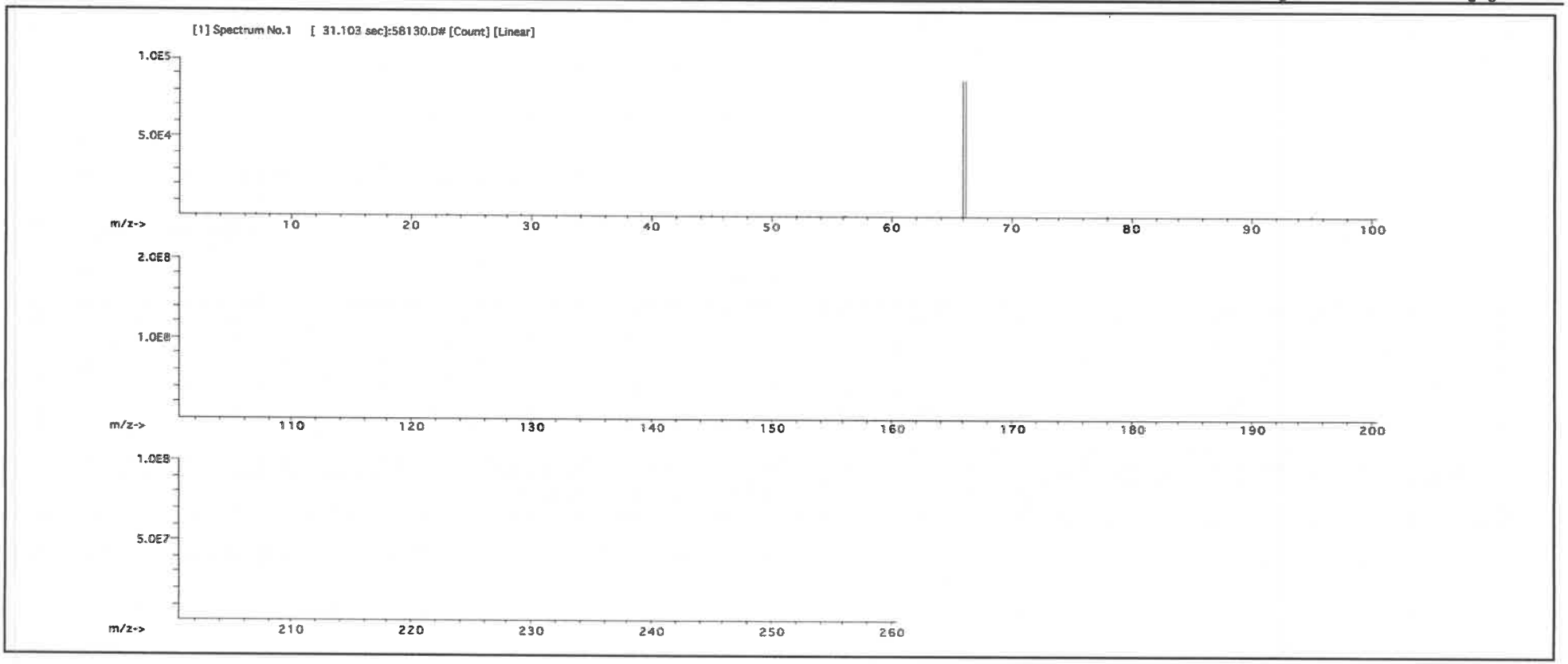
Expiration Date: 111626
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

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:

* 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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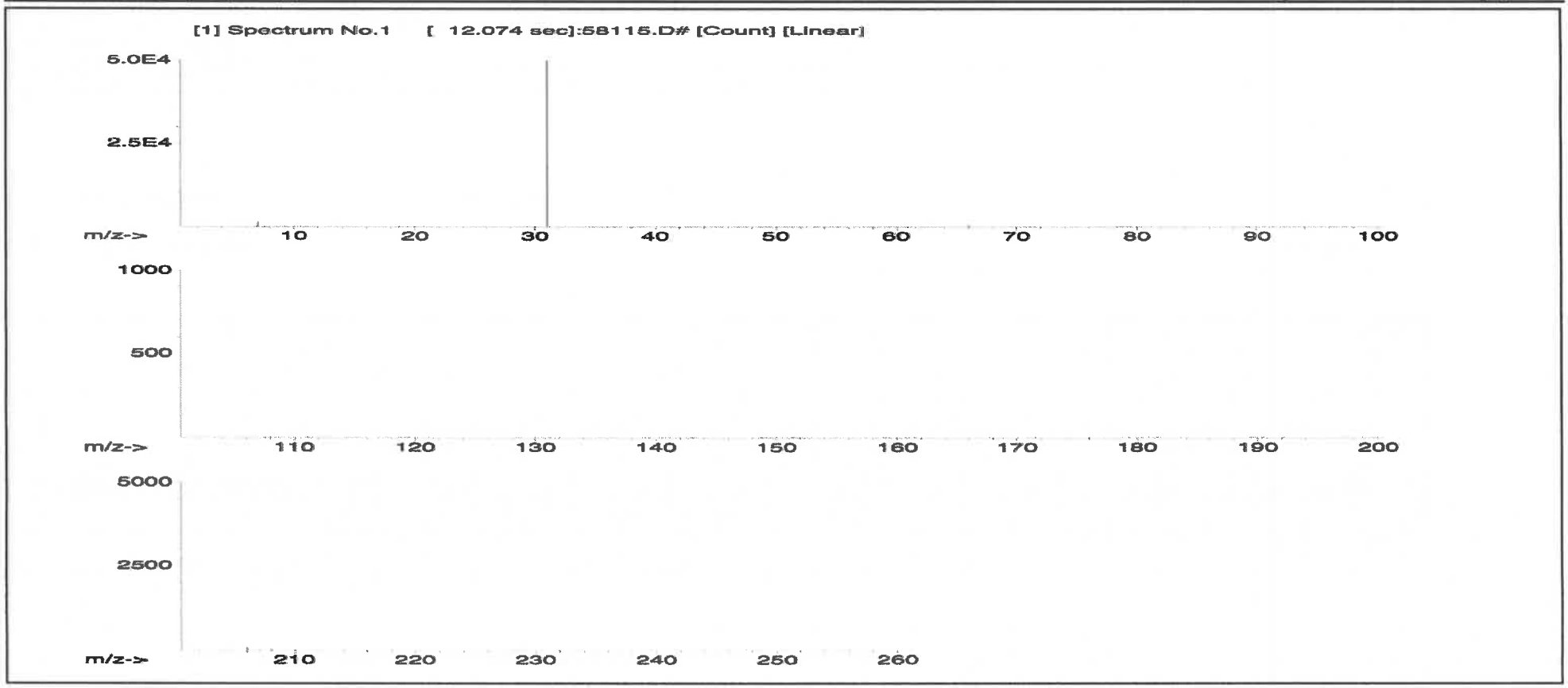
315

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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* 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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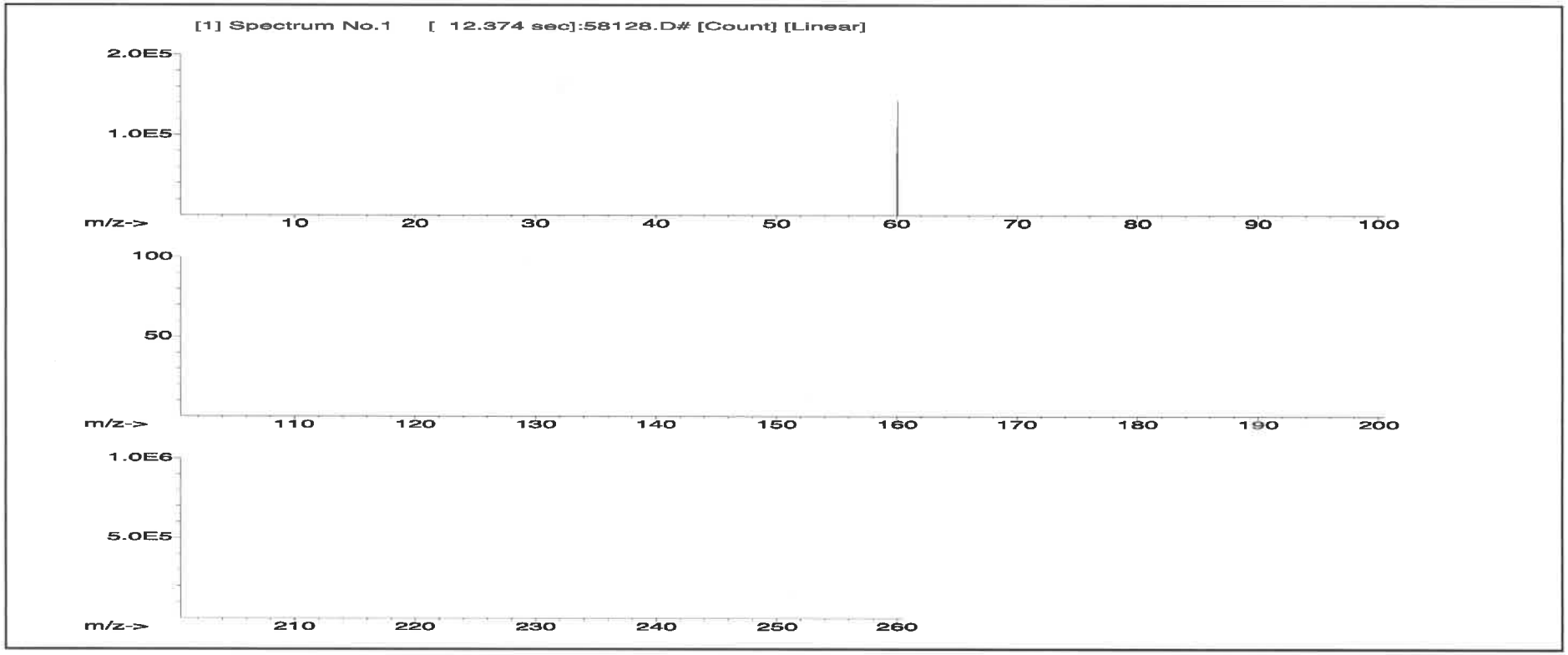
317

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



318

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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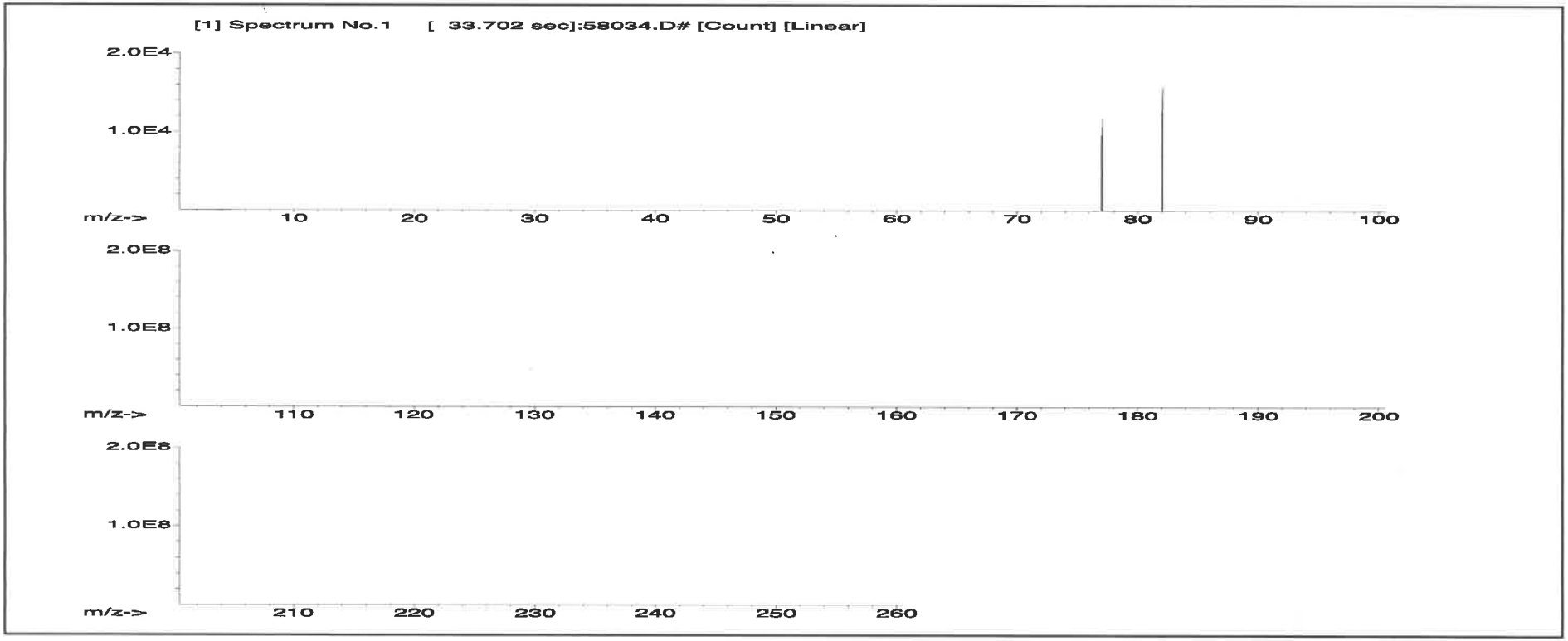
319

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



320

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:



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CERTIFIED WEIGHT REPORT:

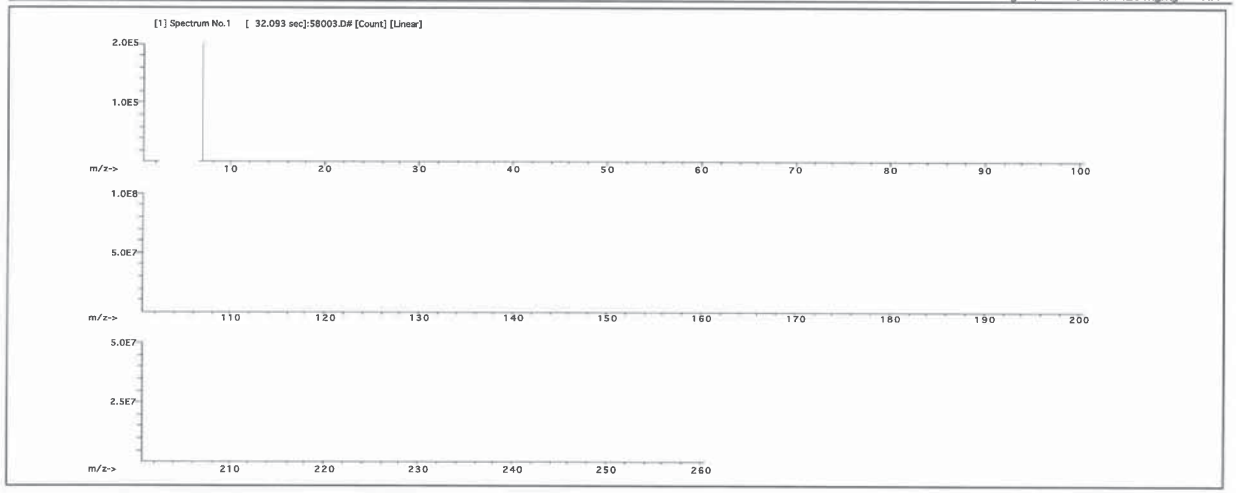
		Lot #	Solvent:
Part Number:	**57003**	24002546	Nitric Acid
Lot Number:	**062124**		
Description:	**Lithium (Li)**		
		2.0%	5.0 (mL) Nitric Acid
Expiration Date:	062127		
Recommended Storage:	Ambient (20 °C)		
Nominal Concentration (µg/mL):	**1000**		
NIST Test Number:	6UTB	5E-05 Balance Uncertainty	
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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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).

INORGANIC VENTURES
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Certificate of Analysis

M5976, M5977
R: 02/22/24

300 Technology Drive
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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:	Single Analyte Custom Grade Solution
Catalog Number:	CGMO1
Lot Number:	T2-MO720876
Matrix:	H2O tr. NH4OH
Value / Analyte(s):	1 000 µg/mL ea: Molybdenum
Starting Material:	Ammonium Molybdate
Starting Material Lot#:	2361
Starting Material Purity:	99.9893%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 998 ± 7 µg/mL

Density: 1.000 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **998 ± 4 µg/mL**
ICP Assay NIST SRM 3134 Lot Number: 130418

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance.

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000590	M	Eu	<	0.000300	M	Na		0.000879	M	Se	<	0.008000	M	Zn		0.000598
M	Al		0.000563	M	Fe	<	0.006500	M	Nb	<	0.029000	i	Si	<		M	Zr	<	0.001800
M	As	<	0.002100	M	Ga	<	0.000300	i	Nd	<		M	Sm	<	0.000300				
M	Au	<	0.000300	M	Gd	<	0.000300	M	Ni	<	0.008000	M	Sn	<	0.008900				
M	B	<	0.003300	M	Ge	<	0.000300	M	Os	<	0.000590	M	Sr		0.000175				
M	Ba		0.001689	M	Hf	<	0.001800	i	P	<		M	Ta	<	0.004200				
M	Be	<	0.000890	M	Hg	<	0.003300	M	Pb	<	0.000300	M	Tb	<	0.000300				
M	Bi	<	0.000890	M	Ho	<	0.000300	M	Pd	<	0.001800	M	Te	<	0.021000				
O	Ca		0.006334	M	In	<	0.032000	M	Pr	<	0.013000	M	Th	<	0.000300				
O	Cd	<	0.026000	M	Ir	<	0.000300	M	Pt	<	0.000300	O	Tl	<	0.032000				
M	Ce	<	0.008300	M	K		0.130213	M	Rb		0.004575	M	Tl		0.001266				
M	Co		0.000598	M	La	<	0.000300	M	Re	<	0.000300	M	Tm	<	0.000300				
M	Cr		0.000527	O	Li		0.000059	M	Rh	<	0.000300	M	U	<	0.005300				
M	Cs		0.000527	M	Lu	<	0.000300	M	Ru	<	0.079000	M	V	<	0.000890				
M	Cu		0.002252	M	Mg		0.000563	i	S	<		M	W		0.087982				
M	Dy	<	0.000300	M	Mn	<	0.005900	M	Sb		0.001513	M	Y	<	0.000300				
M	Er	<	0.000300	s	Mo	<		M	Sc	<	0.001200	M	Yb	<	0.000300				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 95.94 +6 6,7,8,9 [MoO4]-2(chemical form as received)

Chemical Compatibility -Mo is received in a NH4OH matrix giving the operator the option of using HCl or HF to stabilize acidic solutions. The [MoO4]-2 is soluble in concentrated HCl [MoOCl5]-2, dilute HF / HNO3 [MoOF5]-2 and basic media [MoO4]-2. Stable at ppm levels with some metals provided it is fluorinated. Do not mix with Alkaline or Rare Earths when HF is present. Stable with most inorganic anions provided it is in the [MoO4]-2 chemical form.

Stability - 2-100 ppb levels stable (alone or mixed with all other metals that are at comparable levels) as the [MoOF5]-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the [MoO4]-2 chemically stable for years in 1% NH4OH in a LDPE container.

Mo Containing Samples (Preparation and Solution) -Metal (Soluble in HF / HNO3 or hot dilute HCl); Oxide (soluble in HF or NH4OH) ; Organic Matrices (Dry ash at 450EC in Pt0 and dissolve oxide with HF or HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 95 amu	3 ppt	n/a	40Ar39K16O,79Br1 6O,190Os2+,190Pt 2+
ICP-OES 202.030 nm	0.008 / 0.0002 µg/mL	1	Os, Hf
ICP-OES 203.844 nm	0.012 / 0.002 µg/mL	1	
ICP-OES 204.598 nm	0.012 / 0.001 µg/mL	1	Ir, Ta

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Supervisor, Product Documentation



Certificate Approved By:

Michael Booth
Director, Technical



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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M5978, M5979

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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) HNO_3 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 (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

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	<	0.000536	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

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 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

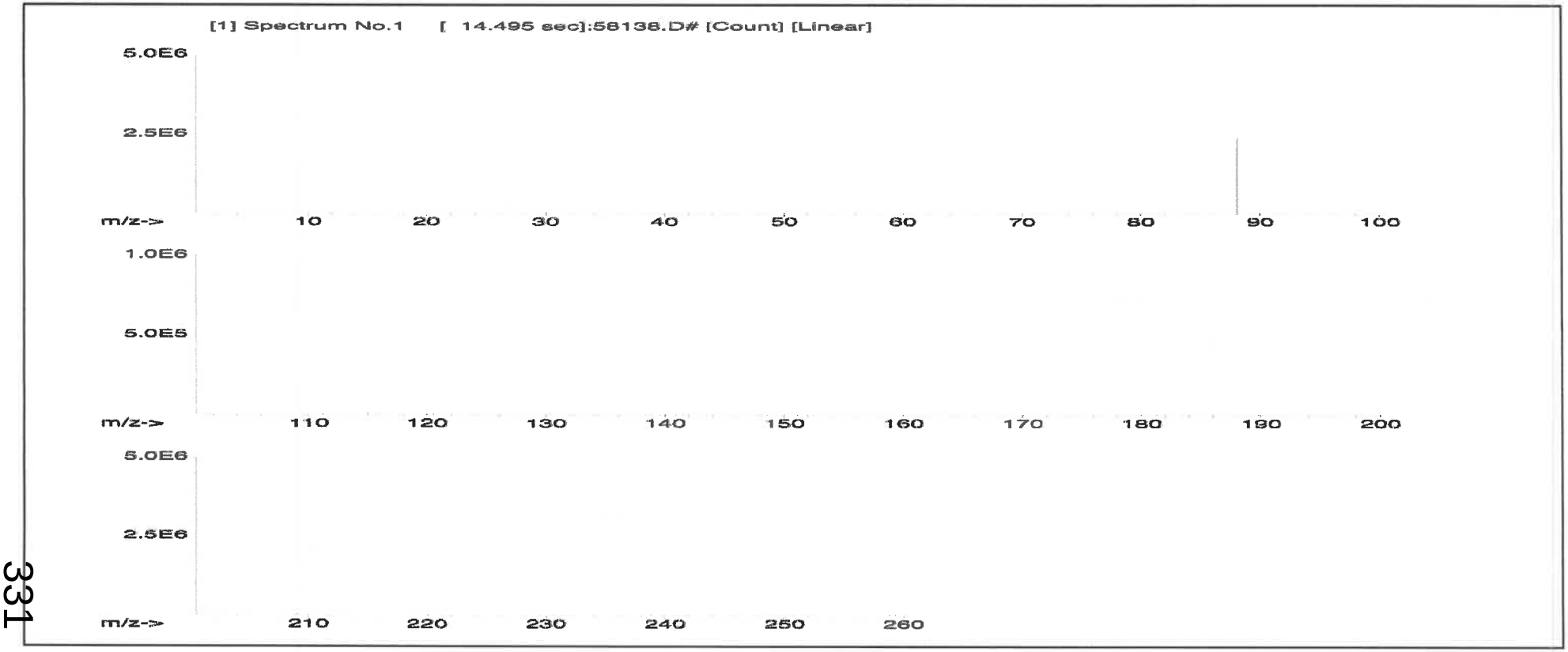
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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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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:

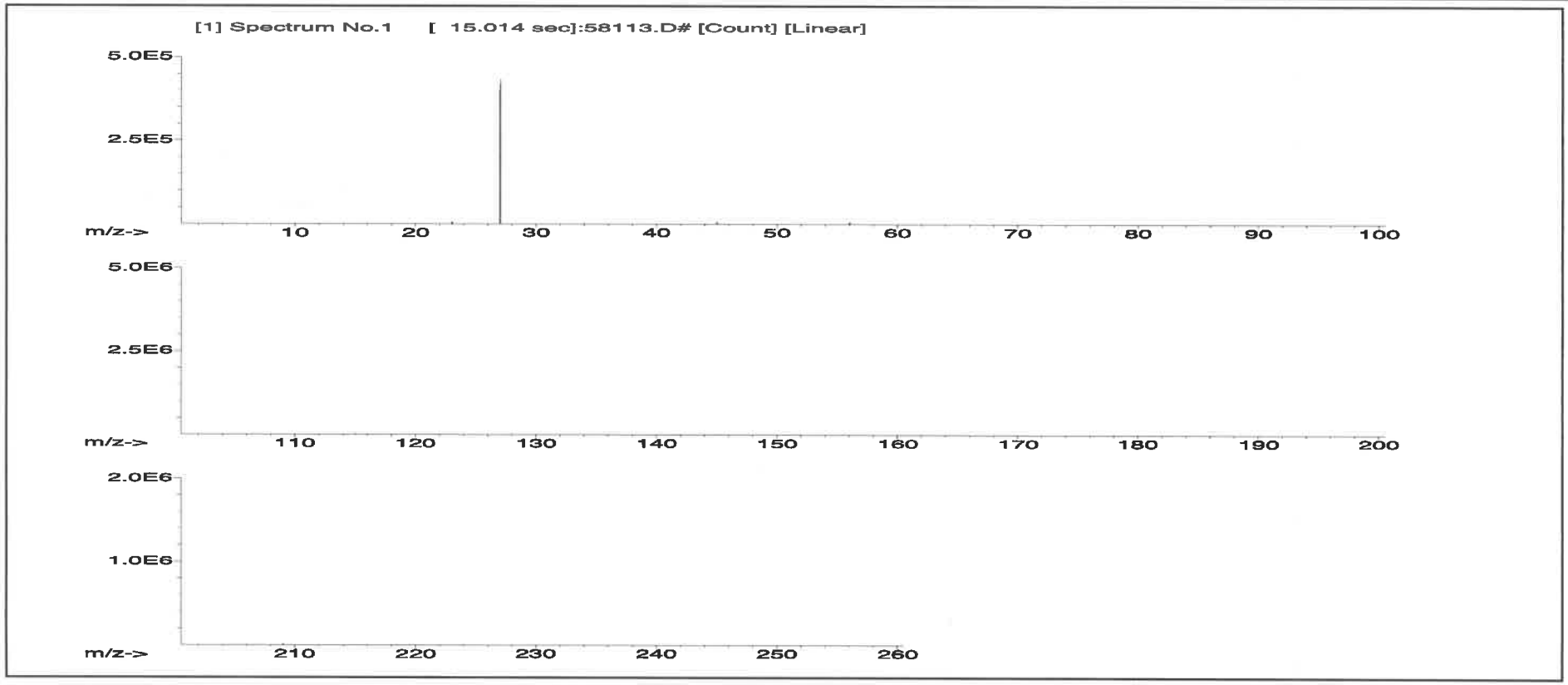
Part Number:	**58113**		**Solvent:**	20510011	Nitric Acid
Lot Number:	**011623**				
Description:	**Aluminum (Al)**				
			2%	40.0 (mL)	Nitric Acid
Expiration Date:	011626				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Lot #

Giovanni Esposito

Formulated By:	Giovanni Esposito	011623
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

avantor™ | J.T.Baker®

R: 9/10/24

Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
Revision No.: 0

Certificate of Analysis

M6088, M6089, M6090, M6091, M6092, M6093

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

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R: 01/03/24 M5806, M5807

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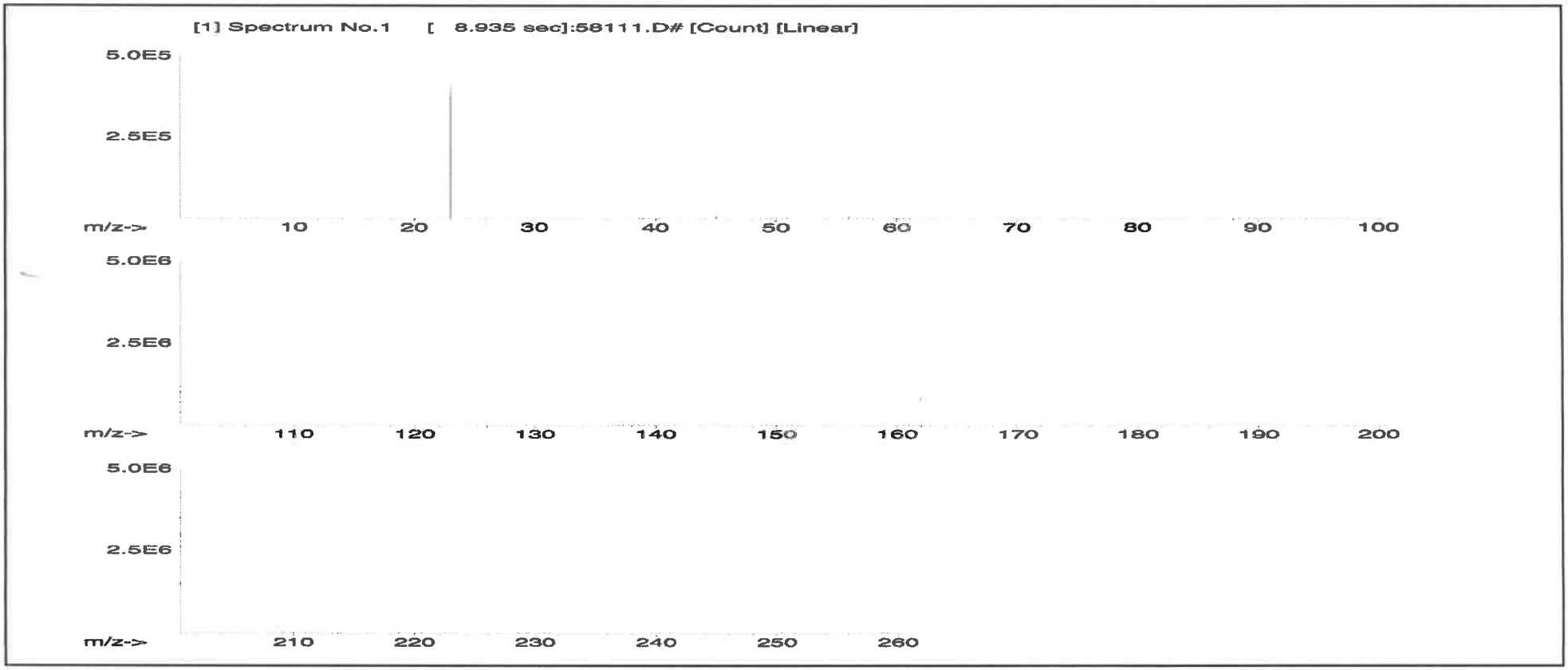
CERTIFIED WEIGHT REPORT:

			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



352

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	T	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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R: 01/03/24 M5802, M5803

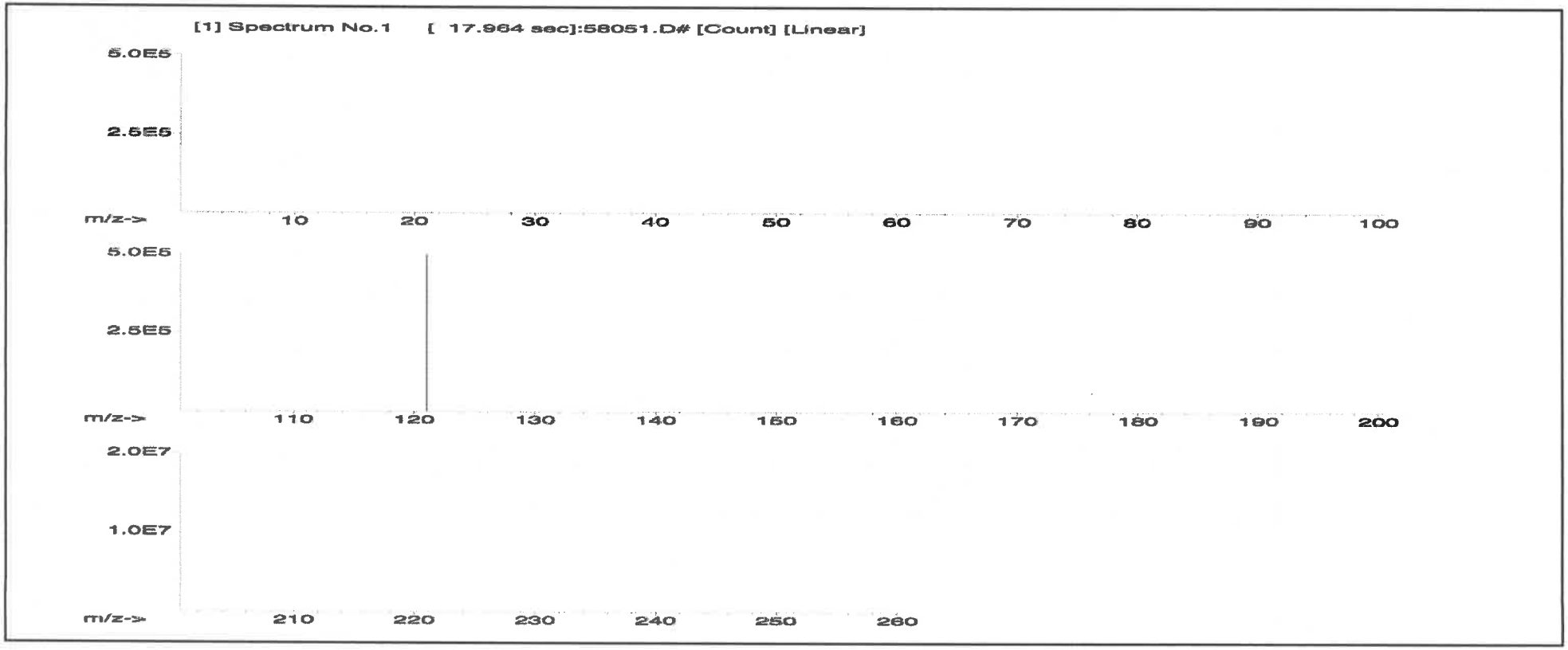
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CERTIFIED WEIGHT REPORT:

		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:

* 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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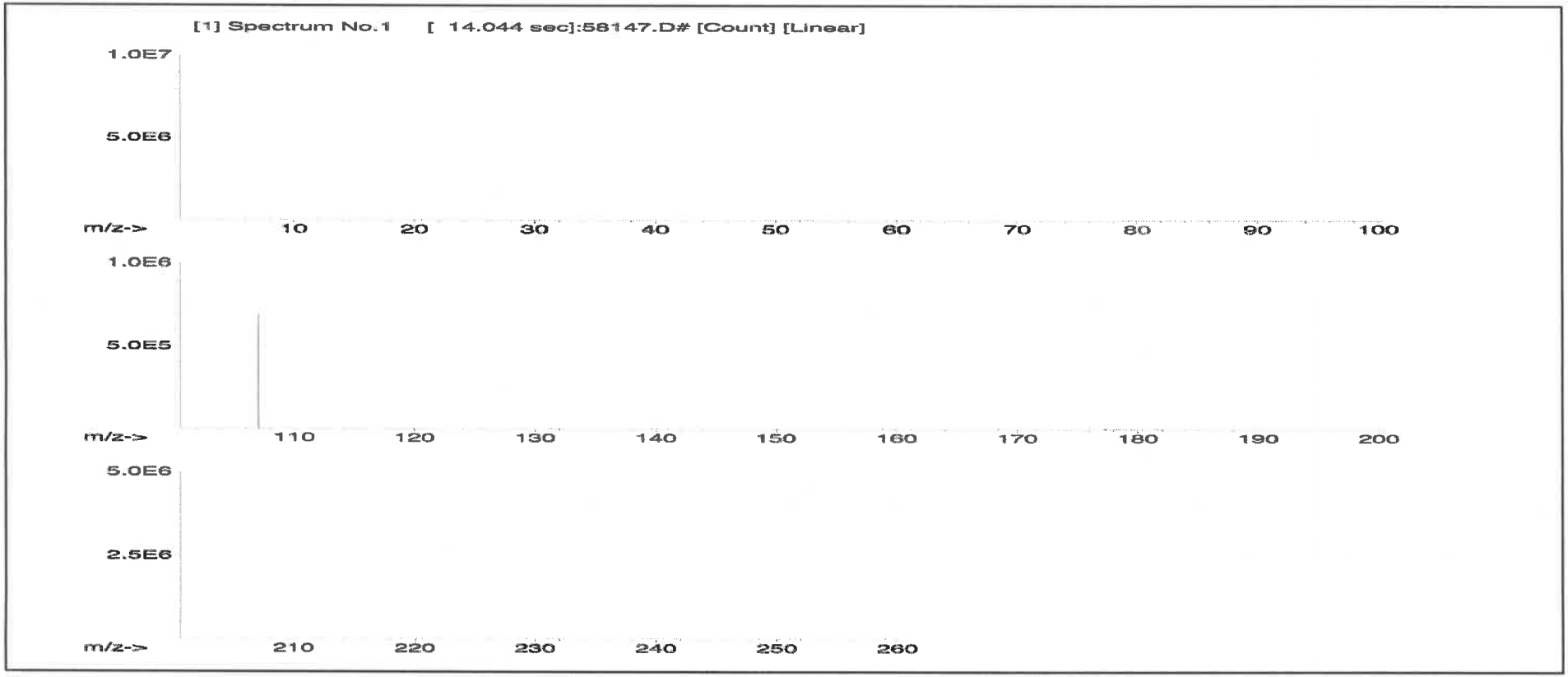
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CERTIFIED WEIGHT REPORT:

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



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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	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.
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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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R: 03/16/23 M5473, M5474, M5475, M5476

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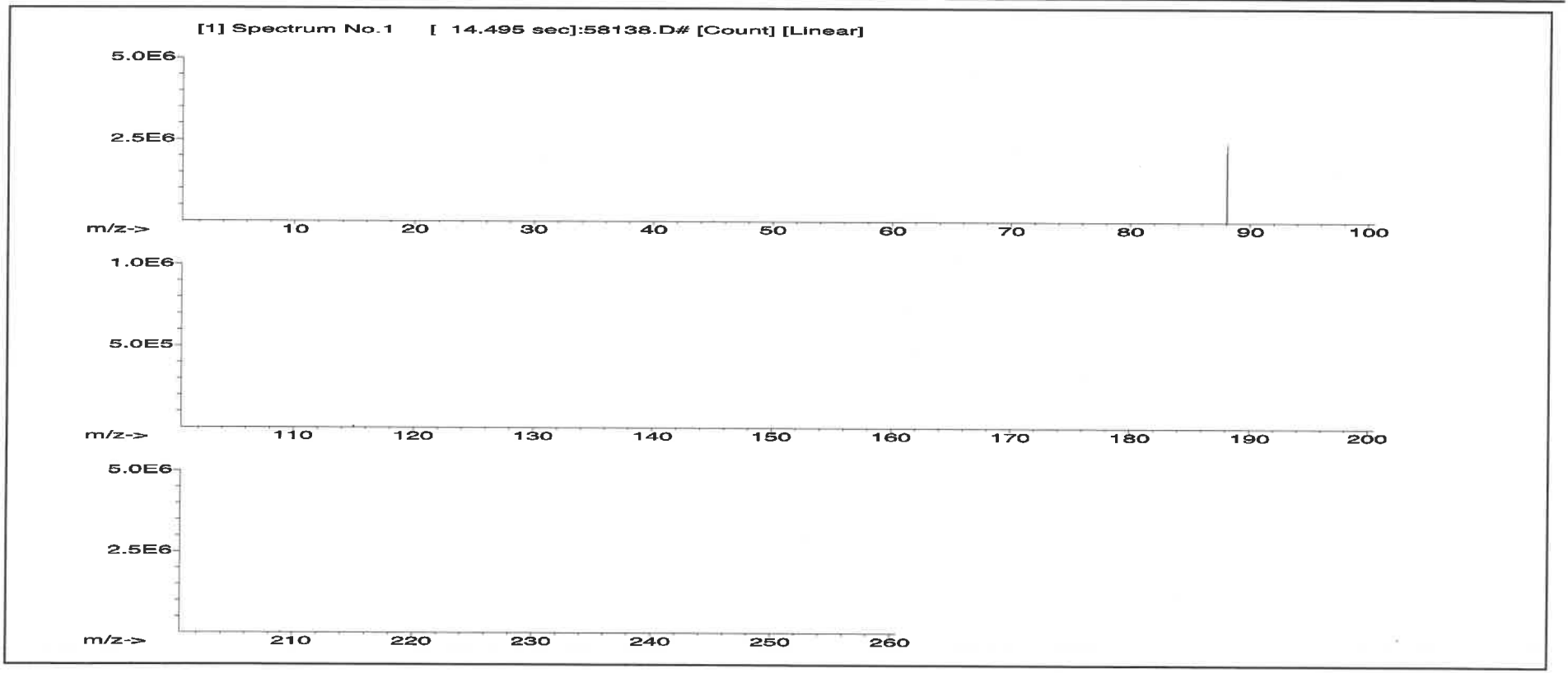
357

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



358

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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R ! 8/5/24

M6023

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359

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		

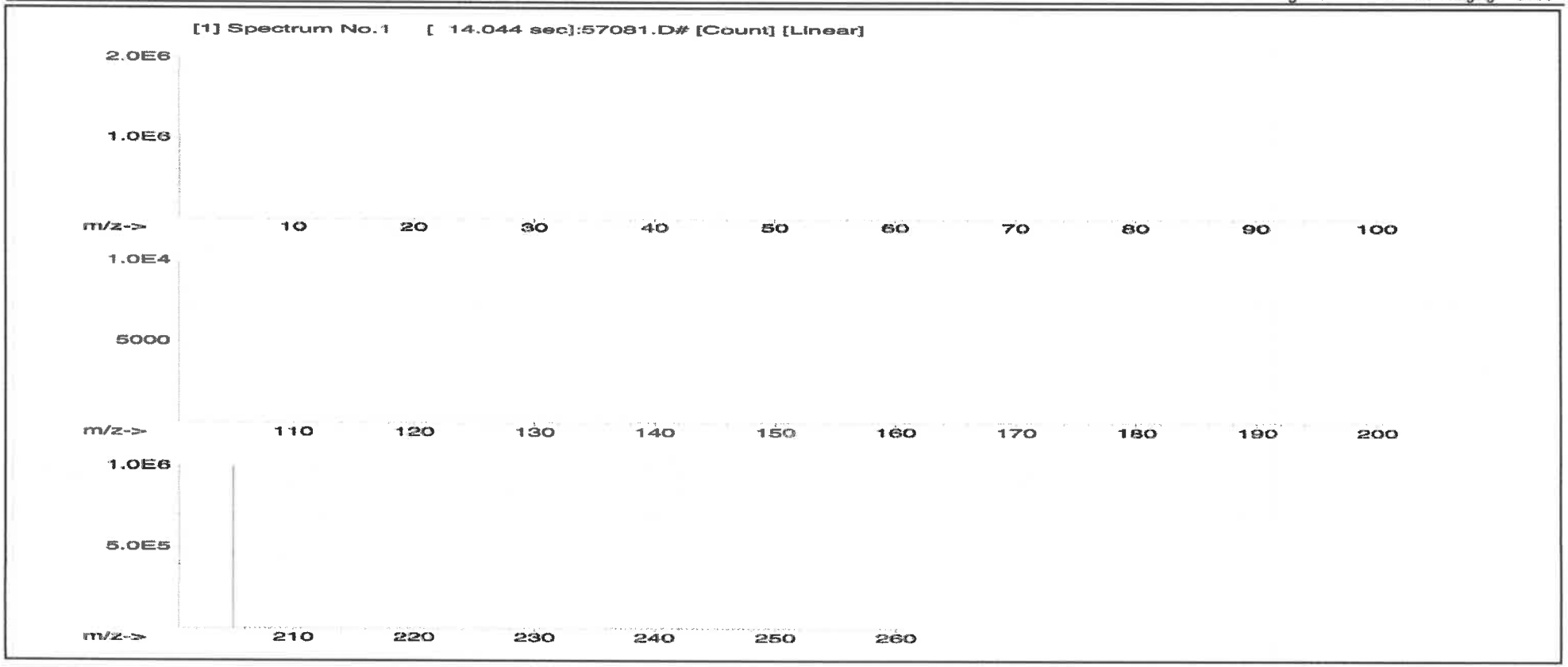
Aleah O'Brady

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



360

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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361

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	

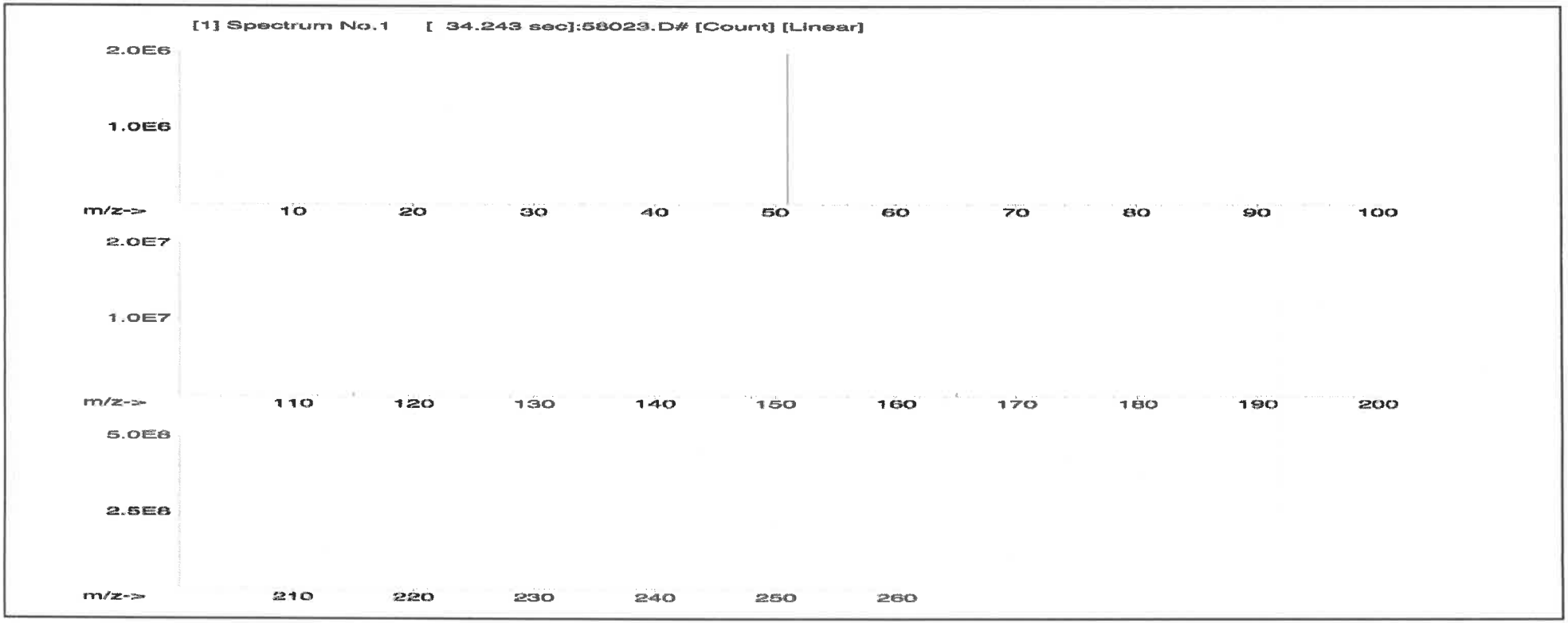
Aleah O'Brady

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



362

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	T
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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* 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).

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB164280

SOP ID : M3050B-Digestion-20, MSFAM01.1-Trace Metals-2

SDG No : MYDBF4 **Start Digest Date:** 10/21/2024 **Time :** 09:30 **Temp :** 97 °C

Matrix : SOIL **End Digest Date:** 10/21/2024 **Time :** 12:30 **Temp :** 97 °C

Pippete ID: ICP A **Digestion tube ID:** M6054

Balance ID : M SC-2 **Block thermometer ID:** MET-DIG. #5

Filter paper ID : N/A **Dig Technician Signature:**

pH Strip ID : N/A **Supervisor Signature:**

Hood ID : #3 **Temp :** **1.** 95°C **2.** N/A

Block ID: **1.** HOT BLOCK #5 **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	M6090
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 #5 Cell #34 Temp.: 97 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/24 12:40	Met dig.	
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB164280

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P4333-01	MYDBF4	N/A	1.46	100	Brown	Yellow	Medium	N/A	N/A	1
P4333-02	MYDBF5	N/A	1.18	100	Brown	Yellow	Medium	N/A	N/A	2
P4333-03	MYDBF5D	N/A	1.09	100	Brown	Yellow	Medium	N/A	N/A	4
P4333-04	MYDBF5S	N/A	1.18	100	Brown	Yellow	Medium	N/A	MP82731	11
PB164280BL	PBS280	N/A	1.00	100	Colorless	Colorless	Fine	N/A	N/A	6
PB164280BS	LCS280	N/A	1.00	100	Colorless	Colorless	Fine	N/A	MP82711	9
PB164280BSD	LCSD280	N/A	1.00	100	Colorless	Colorless	Fine	N/A	MP82711	10

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 # LB133139

Review By	Mohan Bera	Review On	10/29/2024 7:18:23 AM
Supervise By	Sarabjit Jaswal	Supervise On	10/30/2024 6:08:53 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	10/25/24 19:21		Kareem	OK
2	S1	S01	CAL2	10/25/24 19:26		Kareem	OK
3	S2	S02	CAL3	10/25/24 19:31		Kareem	OK
4	S3	S03	CAL4	10/25/24 19:35		Kareem	OK
5	S4	S04	CAL5	10/25/24 19:39		Kareem	OK
6	S5	S05	CAL6	10/25/24 19:43		Kareem	OK
7	S6	S06	CAL7	10/25/24 19:48		Kareem	OK
8	ICV001	ICV001	ICV	10/25/24 19:53		Kareem	OK
9	ICB001	ICB001	ICB	10/25/24 19:57		Kareem	OK
10	ICSA001	ICSA001	ICSA	10/25/24 20:02		Kareem	OK
11	ICSAB001	ICSAB001	ICSAB	10/25/24 20:17	Inst. paused for review	Kareem	OK
12	CCV001	CCV001	CCV	10/25/24 20:43	Inst. paused for review	Kareem	OK
13	CCB001	CCB001	CCB	10/25/24 20:47		Kareem	OK
14	P4333-01DL	MYDBF4	SAM	10/25/24 20:52	NOT USE	Kareem	Not Ok
15	P4333-02DL	MYDBF5	SAM	10/25/24 20:56		Kareem	OK
16	P4333-03DL	MYDBF5D	DUP	10/25/24 21:01		Kareem	OK
17	P4333-04DL	MYDBF5S	MS	10/25/24 21:05		Kareem	OK
18	P4333-02LDL	MYDBF5L	SD	10/25/24 21:09		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 # LB133139

Review By	Mohan Bera	Review On	10/29/2024 7:18:23 AM
Supervise By	Sarabjit Jaswal	Supervise On	10/30/2024 6:08:53 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	PB164280BL	PBS280	MB	10/25/24 21:14	NOT USE	Kareem	Not Ok
20	PB164280BS	LCS280	LCS	10/25/24 21:18	NOT USE	Kareem	Not Ok
21	PB164280BSD	LCSD280	LCSD	10/25/24 21:23	NOT USE	Kareem	Not Ok
22	P4331-01DL	MYDBB4	SAM	10/25/24 21:27		Kareem	OK
23	P4331-02DL	MYDBB5	SAM	10/25/24 21:32		Kareem	OK
24	P4331-03DL	MYDBB6	SAM	10/25/24 21:36		Kareem	OK
25	P4331-04DL	MYDBB7	SAM	10/25/24 21:40	Mn high	Kareem	Dilution
26	P4331-05DL	MYDBB7D	DUP	10/25/24 21:45	Mn high	Kareem	Dilution
27	P4331-06DL	MYDBB7S	MS	10/25/24 21:49	Mn high, MS fail for Zn (2124.91 ppb), Sb,Se (Below RL)	Kareem	Dilution
28	P4331-04LDL	MYDBB7L	SD	10/25/24 21:53	Mn high	Kareem	Dilution
29	P4331-07DL	MYDBB8	SAM	10/25/24 21:58		Kareem	OK
30	P4331-08DL	MYDBB9	SAM	10/25/24 22:02		Kareem	OK
31	P4331-09DL	MYDBC0	SAM	10/25/24 22:07		Kareem	OK
32	P4331-10DL	MYDBC1	SAM	10/25/24 22:11		Kareem	OK
33	P4331-11DL	MYDBC2	SAM	10/25/24 22:15		Kareem	OK
34	CCV002	CCV002	CCV	10/25/24 22:20		Kareem	OK
35	CCB002	CCB002	CCB	10/25/24 22:24		Kareem	OK
36	P4331-12DL	MYDBC3	SAM	10/25/24 22:29		Kareem	OK
37	P4331-13DL	MYDBC4	SAM	10/25/24 22:33		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 # LB133139

Review By	Mohan Bera	Review On	10/29/2024 7:18:23 AM
Supervise By	Sarabjit Jaswal	Supervise On	10/30/2024 6:08:53 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

38	P4331-14DL	MYDBC5	SAM	10/25/24 22:37		Kareem	OK
39	P4331-15DL	MYDBC6	SAM	10/25/24 22:42		Kareem	OK
40	P4331-16DL	MYDBC7	SAM	10/25/24 22:46		Kareem	OK
41	P4331-17DL	MYDBC8	SAM	10/25/24 22:50		Kareem	OK
42	P4331-18DL	MYDBC9	SAM	10/25/24 22:55		Kareem	OK
43	P4331-19DL	MYDBD0	SAM	10/25/24 22:59		Kareem	OK
44	P4331-20DL	MYDBD1	SAM	10/25/24 23:03		Kareem	OK
45	P4331-21DL	MYDBD2	SAM	10/25/24 23:08		Kareem	OK
46	P4331-22DL	MYDBD3	SAM	10/25/24 23:12		Kareem	OK
47	PB164276BL	PBS276	MB	10/25/24 23:17		Kareem	OK
48	PB164276BS	LCS276	LCS	10/25/24 23:21		Kareem	OK
49	PB164276BSD	LCSD276	LCSD	10/25/24 23:26		Kareem	OK
50	P4332-01DL	MYDBD4	SAM	10/25/24 23:30		Kareem	OK
51	P4332-02DL	MYDBD5	SAM	10/25/24 23:34		Kareem	OK
52	P4332-03DL	MYDBD6	SAM	10/25/24 23:39		Kareem	OK
53	P4332-04DL	MYDBD7	SAM	10/25/24 23:43		Kareem	OK
54	P4332-05DL	MYDBD8	SAM	10/25/24 23:47		Kareem	OK
55	P4332-06DL	MYDBD9	SAM	10/25/24 23:52		Kareem	OK
56	CCV003	CCV003	CCV	10/25/24 23:56		Kareem	OK
57	CCB003	CCB003	CCB	10/26/24		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 # LB133139

Review By	Mohan Bera	Review On	10/29/2024 7:18:23 AM
Supervise By	Sarabjit Jaswal	Supervise On	10/30/2024 6:08:53 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

58	P4332-07DL	MYDBE0	SAM	10/26/24 00:05		Kareem	OK
59	P4332-08DL	MYDBE1	SAM	10/26/24 00:09		Kareem	OK
60	P4332-09DL	MYDBE2	SAM	10/26/24 00:14		Kareem	OK
61	P4332-10DL	MYDBE3	SAM	10/26/24 00:18		Kareem	OK
62	P4332-11DL	MYDBE4	SAM	10/26/24 00:22		Kareem	OK
63	P4332-12DL	MYDBE5	SAM	10/26/24 00:27		Kareem	OK
64	P4332-13DL	MYDBE6	SAM	10/26/24 00:31		Kareem	OK
65	P4332-14DL	MYDBE6D	DUP	10/26/24 00:35		Kareem	OK
66	P4332-15DL	MYDBE6S	MS	10/26/24 00:40	MS fail for Cr (495.04 ppb), Sb,Se (Below RL)	Kareem	OK
67	P4332-13LDL	MYDBE6L	SD	10/26/24 00:44		Kareem	OK
68	P4332-16DL	MYDBE7	SAM	10/26/24 00:48		Kareem	OK
69	P4332-17DL	MYDBE8	SAM	10/26/24 00:53		Kareem	OK
70	P4332-18DL	MYDBE9	SAM	10/26/24 00:57		Kareem	OK
71	P4332-19DL	MYDBF0	SAM	10/26/24 01:01		Kareem	OK
72	P4332-20DL	MYDBF1	SAM	10/26/24 01:06		Kareem	OK
73	P4332-21DL	MYDBF2	SAM	10/26/24 01:10		Kareem	OK
74	P4332-22DL	MYDBF3	SAM	10/26/24 01:14		Kareem	OK
75	PB164278BL	PBS278	MB	10/26/24 01:19		Kareem	OK
76	PB164278BS	LCS278	LCS	10/26/24 01:23		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 # LB133139

Review By	Mohan Bera	Review On	10/29/2024 7:18:23 AM
Supervise By	Sarabjit Jaswal	Supervise On	10/30/2024 6:08:53 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

77	PB164278BSD	LCSD278	LCSD	10/26/24 01:28		Kareem	OK
78	CCV004	CCV004	CCV	10/26/24 01:32		Kareem	OK
79	CCB004	CCB004	CCB	10/26/24 01:36		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 # LB133180

Review By	Mohan Bera	Review On	10/29/2024 7:20:56 AM
Supervise By	Sarabjit Jaswal	Supervise On	10/30/2024 8:19:54 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	
Chk Standard	MP82455,MP82456

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/28/24 16:50		Kareem	OK
2	S1	S01	CAL2	10/28/24 16:54		Kareem	OK
3	S2	S02	CAL3	10/28/24 16:59		Kareem	OK
4	S3	S03	CAL4	10/28/24 17:03		Kareem	OK
5	S4	S04	CAL5	10/28/24 17:07		Kareem	OK
6	S5	S05	CAL6	10/28/24 17:12		Kareem	OK
7	S6	S06	CAL7	10/28/24 17:16		Kareem	OK
8	ICV003	ICV003	ICV	10/28/24 19:08	Inst. paused for calibration review	Kareem	OK
9	ICB003	ICB003	ICB	10/28/24 19:13		Kareem	OK
10	ICSA003	ICSA003	ICSA	10/28/24 19:17		Kareem	OK
11	ICSAB003	ICSAB003	ICSAB	10/28/24 19:22		Kareem	OK
12	CCV010	CCV010	CCV	10/28/24 19:26		Kareem	OK
13	CCB010	CCB010	CCB	10/28/24 19:30		Kareem	OK
14	P4331-04DL	MYDBB7	SAM	10/28/24 19:35	5x for Mn	Kareem	Confirms
15	P4331-05DL	MYDBB7D	DUP	10/28/24 19:39	5x for Mn	Kareem	Confirms
16	P4331-06DL	MYDBB7S	MS	10/28/24 19:44	5x for Mn	Kareem	Confirms
17	P4331-04LDL	MYDBB7L	SD	10/28/24 19:48	25x for Mn	Kareem	Confirms
18	P4331-04ADLRE	MYDBB7A	PS	10/28/24 19:53	NOT USE	Kareem	Not 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 # LB133180

Review By	Mohan Bera	Review On	10/29/2024 7:20:56 AM
Supervise By	Sarabjit Jaswal	Supervise On	10/30/2024 8:19:54 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	
Chk Standard	MP82455,MP82456

19	P4332-13ADLRE	MYDBE6A	PS	10/28/24 19:57	NOT USE	Kareem	Not Ok
20	P4333-01DL	MYDBF4	SAM	10/28/24 20:01		Kareem	OK
21	PB164280BL	PBS280	MB	10/28/24 20:06		Kareem	OK
22	PB164280BS	LCS280	LCS	10/28/24 20:10		Kareem	OK
23	PB164280BSD	LCSD280	LCSD	10/28/24 20:15		Kareem	OK
24	CCV011	CCV011	CCV	10/28/24 20:20		Kareem	OK
25	CCB011	CCB011	CCB	10/28/24 20:24		Kareem	OK
26	P4331-04ADL	MYDBB7A	PS	10/28/24 21:02	PS For Zn,Sb,Se - 0.043 -M5819 , 0.12 - MP82589 , 0.07-MP82590	Kareem	OK
27	P4332-13ADL	MYDBE6A	PS	10/28/24 21:06	PS for Cr - 0.01-M5658,Sb-0.12-MP82589,Se-0.07-MP82590	Kareem	OK
28	CCV012	CCV012	CCV	10/28/24 21:11		Kareem	OK
29	CCB012	CCB012	CCB	10/28/24 21:15		Kareem	OK

EPA SAMPLE NO.

MYDBF4

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51772 MA No. : 3225.1 SDG No.: MYDBF4

Matrix: SOIL Lab Sample ID: P4333-01

% Solids: 93.5 Date Received: 10/07/2024

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	0005
7440-38-2	Arsenic	41		10/30/2024	0005
7440-39-3	Barium	1300		10/30/2024	0005
7440-41-7	Beryllium	1.9	*	10/30/2024	0005
7440-43-9	Cadmium	2.1		10/30/2024	0005
7440-47-3	Chromium	75		10/30/2024	0005
7440-48-4	Cobalt	23		10/30/2024	0005
7440-50-8	Copper	320		10/30/2024	0005
7439-92-1	Lead	67		10/30/2024	0005
7440-02-0	Nickel	110		10/30/2024	0005
7782-49-2	Selenium	0.67	J	10/30/2024	0005
7440-22-4	Silver	0.83		10/30/2024	0005
7440-28-0	Thallium	0.15	J	10/30/2024	0005
7440-62-2	Vanadium	75		10/30/2024	0005
7440-66-6	Zinc	230		10/30/2024	0005

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

Comments:

EPA SAMPLE NO.

MYDBF5

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51772 MA No. : 3225.1 SDG No.: MYDBF4

Matrix: SOIL Lab Sample ID: P4333-02

% Solids: 95 Date Received: 10/07/2024

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	0008
7440-38-2	Arsenic	86		10/30/2024	0008
7440-39-3	Barium	650	D	10/30/2024	0045
7440-41-7	Beryllium	2.3	*	10/30/2024	0008
7440-43-9	Cadmium	4.9		10/30/2024	0008
7440-47-3	Chromium	81		10/30/2024	0008
7440-48-4	Cobalt	23	D	10/30/2024	0045
7440-50-8	Copper	810		10/30/2024	0008
7439-92-1	Lead	160		10/30/2024	0008
7440-02-0	Nickel	100	D	10/30/2024	0045
7782-49-2	Selenium	1.4	J	10/30/2024	0008
7440-22-4	Silver	1.9		10/30/2024	0008
7440-28-0	Thallium	0.19	J	10/30/2024	0008
7440-62-2	Vanadium	73	D	10/30/2024	0045
7440-66-6	Zinc	550		10/30/2024	0008

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

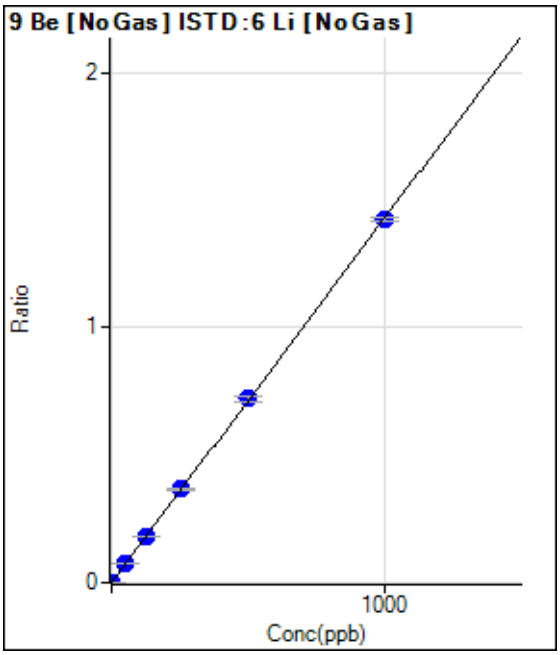
Comments:

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7102924 MS.b\
Analysis File: P7102924 MS.batch.bin
DA Date-Time: 2024-10-29 19:23:15
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2024-10-29 18:13:02
2	006CALS.d	S02	2024-10-29 18:19:37
3	007CALS.d	S03	2024-10-29 18:22:54
4	008CALS.d	S04	2024-10-29 18:26:02
5	009CALS.d	S05	2024-10-29 18:29:01
6	010CALS.d	S06	2024-10-29 18:31:54
7	011CALS.d	S07	2024-10-29 18:34:39
8	012CALS.d	S08	2024-10-29 18:37:25

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25.56	0.0001	P	31.0
2	☐	1.000	0.987	650.02	0.0015	P	6.1
3	☐	50.000	52.334	33089.66	0.0748	P	0.2
4	☐	125.000	127.616	81716.00	0.1822	P	1.7
5	☐	250.000	255.988	165534.70	0.3655	P	1.5
6	☐	500.000	504.297	336224.33	0.7199	P	3.2
7	☐	1000.000	995.910	715232.72	1.4217	P	1.0
8	☐			141.11	0.0003	P	11.1

y = 0.0014 * x + 5.8117E-005

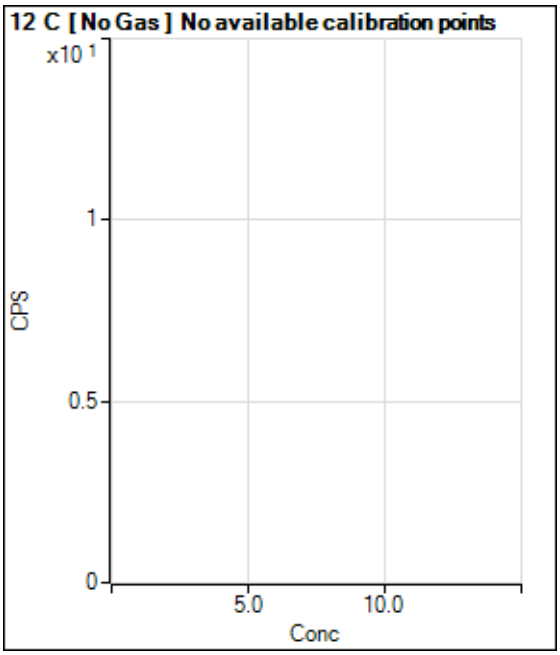
R = 1.0000

DL = 0.03792

BEC = 0.04071

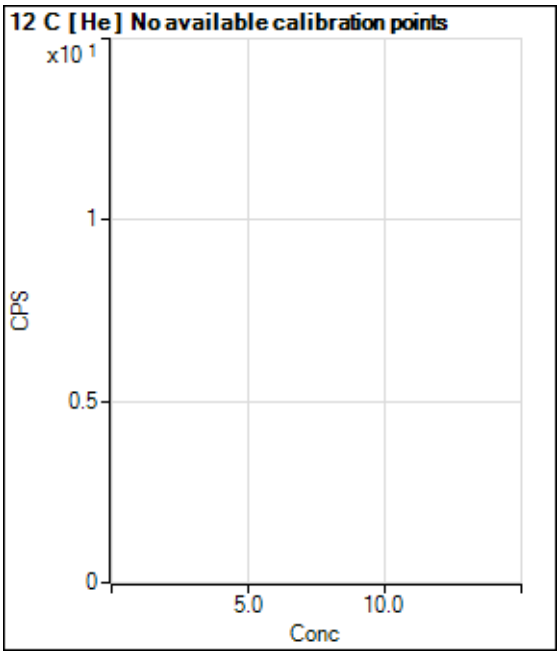
Weight: <None>

Min Conc: 0

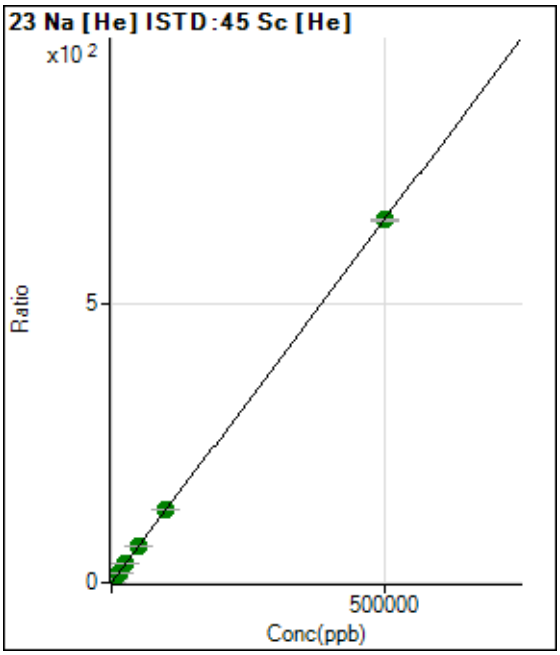


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

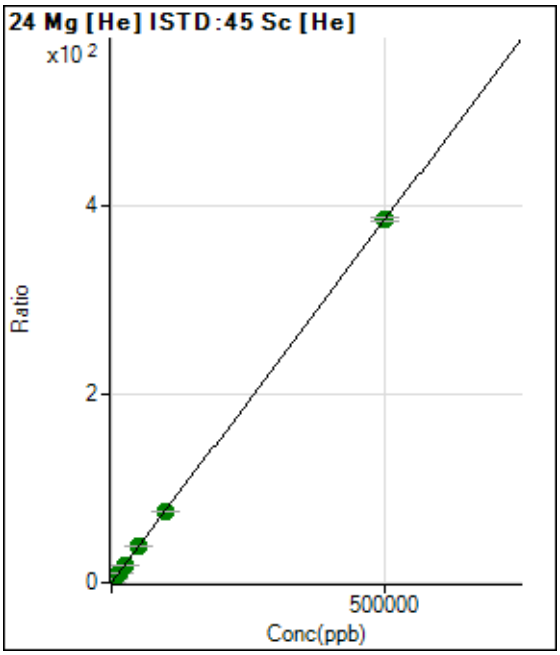


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	34491.98	0.1153	P	0.9
2	☐	500.000	503.526	227210.92	0.7697	P	0.5
3	☐	5000.000	5103.943	2031019.52	6.7484	A	0.3
4	☐	12500.000	12601.614	4951513.05	16.4923	A	0.3
5	☐	25000.000	25429.145	10026143.67	33.1628	A	1.2
6	☐	50000.000	50378.388	20091872.62	65.5866	A	0.6
7	☐	100000.00	100451.77	40563303.84	130.6616	A	0.6
8	☐	500000.00	499846.76	207616468.0	649.7119	A	0.3

y = 0.0013 * x + 0.1153
R = 1.0000
DL = 2.322
BEC = 88.74

Weight: <None>
Min Conc: 0

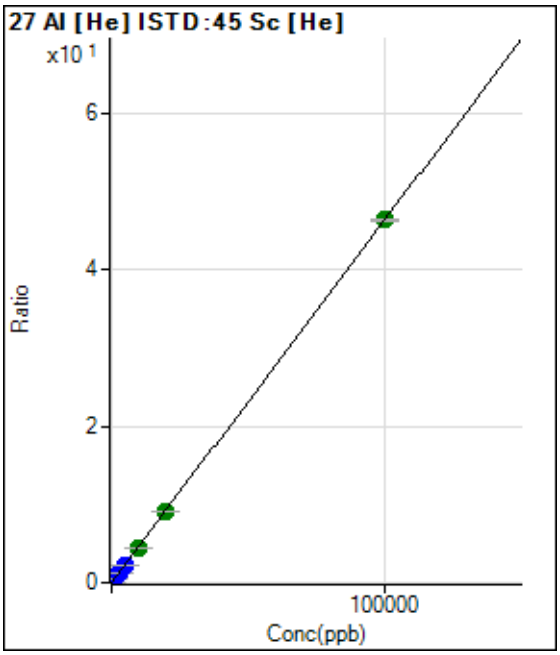
Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	454.45	0.0015	P	6.5
2	☐	500.000	524.437	119416.87	0.4045	P	0.5
3	☐	5000.000	5025.727	1162785.68	3.8637	A	1.9
4	☐	12500.000	12465.396	2876536.62	9.5810	A	0.6
5	☐	25000.000	24862.137	5776930.40	19.1077	A	1.4
6	☐	50000.000	49524.281	11659452.75	38.0601	A	0.1
7	☐	100000.00	98606.746	23525382.15	75.7792	A	1.1
8	☐	500000.00	500333.69	122862345.9	384.4998	A	0.9

y = 7.6848E-004 * x + 0.0015
R = 1.0000
DL = 0.3874
BEC = 1.977

Weight: <None>
Min Conc: 0

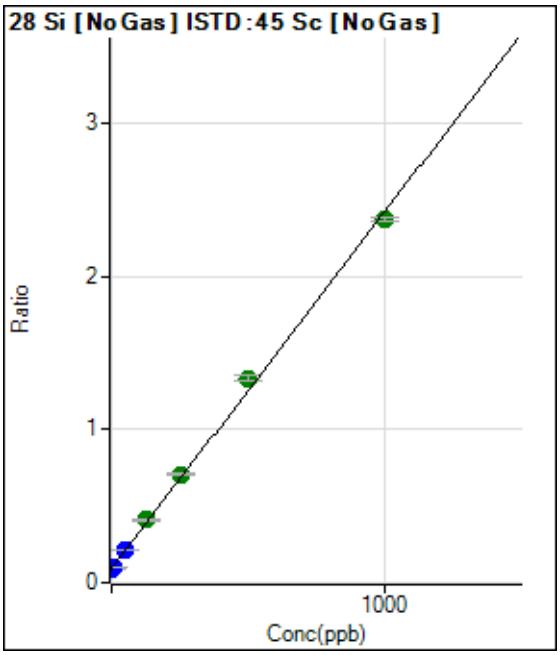


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	277.78	0.0009	P	6.7
2	☐	20.000	18.415	2794.73	0.0095	P	5.3
3	☐	1000.000	1005.733	140614.37	0.4672	P	0.1
4	☐	2500.000	2485.484	346240.68	1.1533	P	1.1
5	☐	5000.000	4959.141	695392.38	2.3001	P	0.9
6	☐	10000.000	9727.514	1381882.56	4.5109	A	0.5
7	☐	20000.000	19502.918	2807300.75	9.0430	A	0.9
8	☐	100000.00	100129.01	14834418.53	46.4235	A	0.3

y = 4.6363E-004 * x + 9.2862E-004
R = 1.0000
DL = 0.4046
BEC = 2.003

Weight: <None>
Min Conc: 0

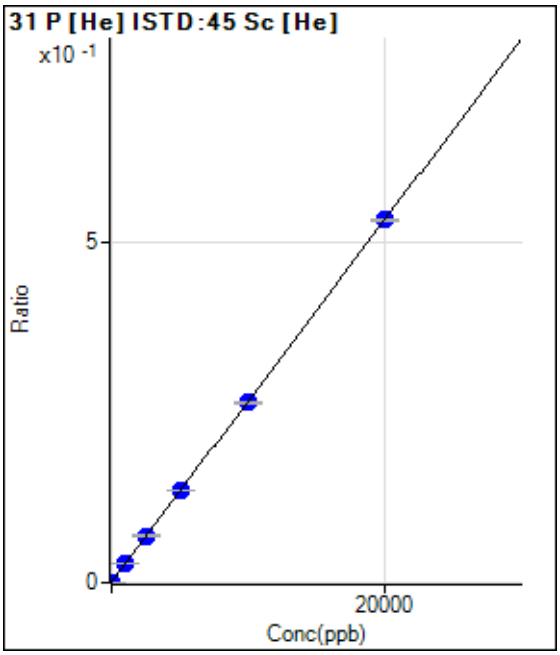
Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	286763.61	0.0920	P	2.7
2	☐	10.000	1.823	298799.01	0.0963	P	1.2
3	☐	50.000	53.747	678583.93	0.2170	P	1.2
4	☐	125.000	138.404	1306213.58	0.4139	A	3.1
5	☐	250.000	262.992	2244988.77	0.7037	A	2.0
6	☐	500.000	533.583	4116561.54	1.3331	A	2.7
7	☐	1000.000	978.179	7743438.78	2.3672	A	1.1
8	☐			332612.09	0.1000	P	1.8

y = 0.0023 * x + 0.0920
R = 0.9989
DL = 3.168
BEC = 39.57

Weight: <None>
Min Conc: 0

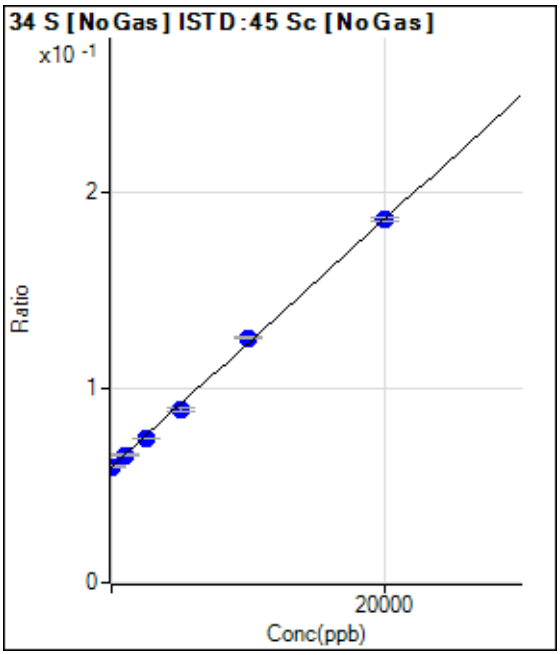


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-12.147	164.45	0.0005	P	6.3
2	☐	0.000	12.147	353.34	0.0012	P	17.7
3	☐	1000.000	991.848	8211.17	0.0273	P	1.2
4	☐	2500.000	2566.457	20778.66	0.0692	P	1.3
5	☐	5000.000	5072.934	41100.62	0.1359	P	0.6
6	☐	10000.000	9912.151	81121.27	0.2648	P	1.3
7	☐	20000.000	20017.791	165735.56	0.5339	P	0.9
8	☐			234.45	0.0007	P	11.5

y = 2.6626E-005 * x + 8.7318E-004
R = 1.0000
DL = 13.86
BEC = 32.79

Weight: <None>
Min Conc: 0

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	12.578	185959.56	0.0597	P	2.7
2	☐	0.000	-12.578	184736.32	0.0595	P	1.2
3	☐	1000.000	945.092	205111.47	0.0656	P	0.8
4	☐	2500.000	2256.234	233321.42	0.0739	P	0.7
5	☐	5000.000	4599.120	283396.40	0.0888	P	1.6
6	☐	10000.000	10410.001	388415.37	0.1258	P	1.3
7	☐	20000.000	19928.436	609396.78	0.1863	P	1.2
8	☐			192249.53	0.0578	P	1.9

y = 6.3576E-006 * x + 0.0596

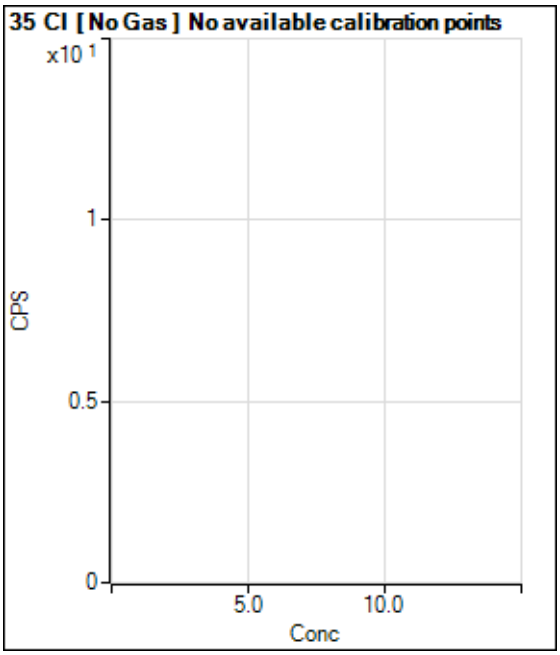
R = 0.9994

DL = 553.2

BEC = 9374

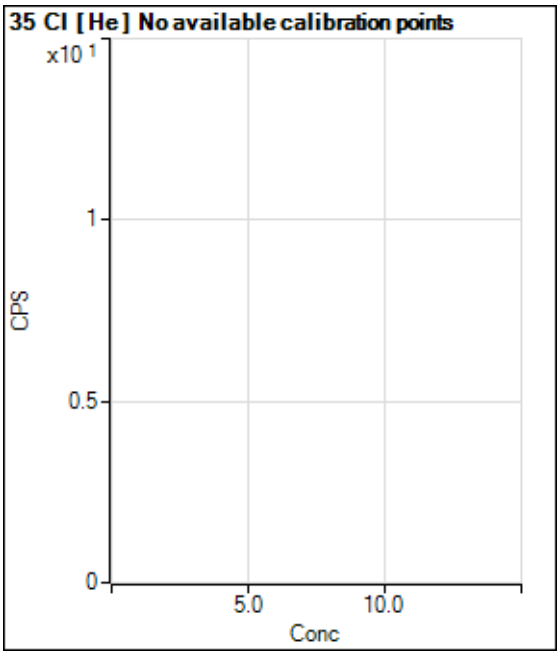
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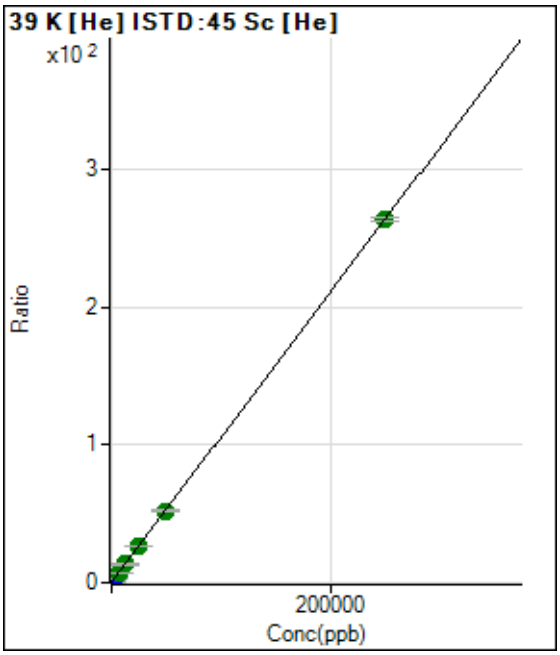


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

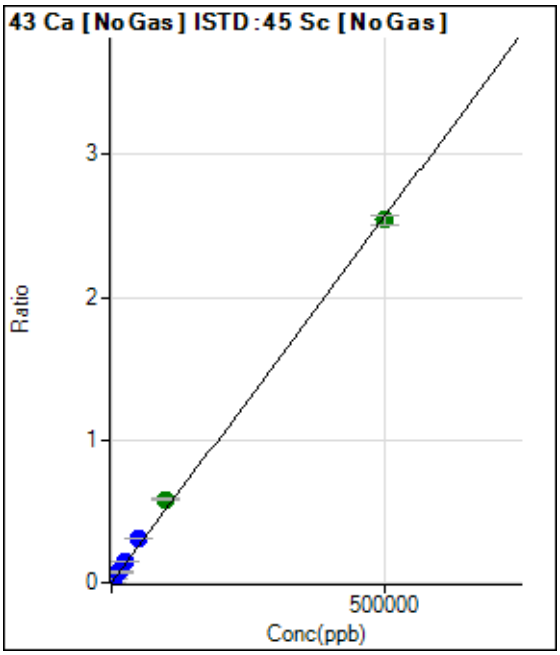


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	86003.34	0.2875	P	0.5
2	☐	500.000	499.635	239840.43	0.8125	P	0.4
3	☐	2500.000	2645.887	923193.41	3.0675	P	0.5
4	☐	6250.000	6235.493	2053276.10	6.8389	A	0.9
5	☐	12500.000	12376.142	4018268.31	13.2907	A	1.5
6	☐	25000.000	24613.464	8010338.91	26.1480	A	0.6
7	☐	50000.000	49342.265	16182884.76	52.1296	A	1.0
8	☐	250000.00	250175.29	84082412.64	263.1372	A	0.9

y = 0.0011 * x + 0.2875
R = 1.0000
DL = 3.852
BEC = 273.7

Weight: <None>
Min Conc: 0

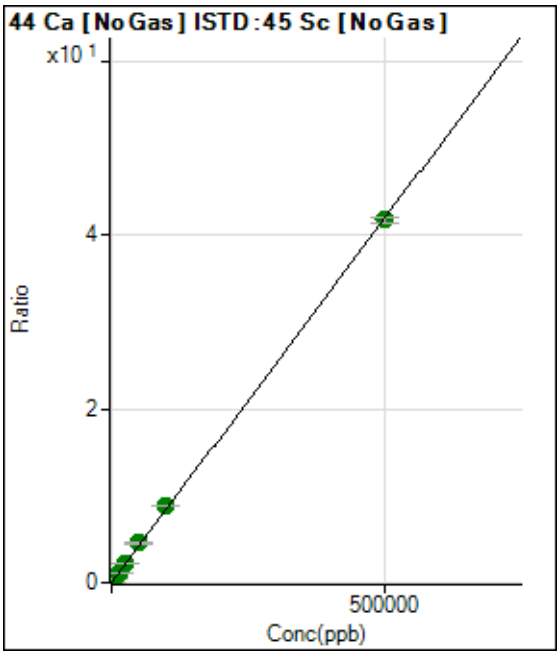
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	280.01	0.0001	P	16.3
2	☐	500.000	499.599	8224.53	0.0026	P	1.6
3	☐	5000.000	5862.937	94209.48	0.0301	P	1.4
4	☐	12500.000	14520.165	235063.32	0.0745	P	1.9
5	☐	25000.000	28911.659	472922.17	0.1482	P	1.0
6	☐	50000.000	60000.302	949634.85	0.3075	P	2.2
7	☐	100000.00	114230.24	1914957.07	0.5854	A	0.9
8	☐	500000.00	495899.20	8454427.44	2.5411	A	2.6

y = 5.1240E-006 * x + 8.9803E-005
R = 0.9994
DL = 8.584
BEC = 17.53

Weight: <None>
Min Conc: 0

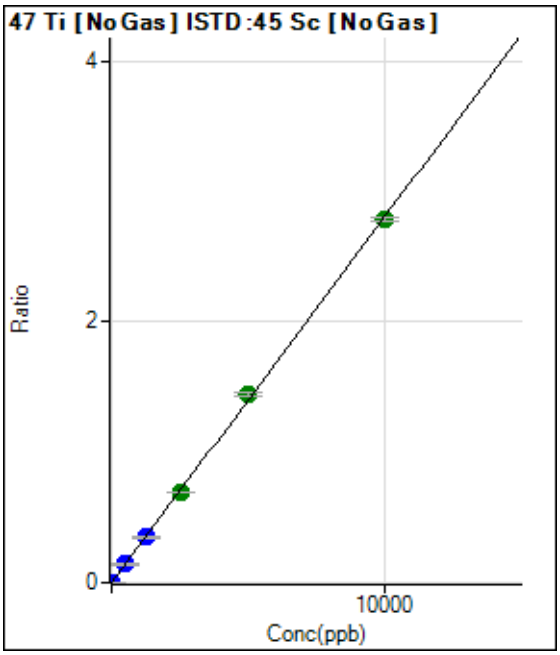


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15435.94	0.0050	P	4.7
2	☐	500.000	499.045	145019.08	0.0467	P	1.2
3	☐	5000.000	5394.517	1426983.99	0.4564	A	1.0
4	☐	12500.000	13293.194	3526254.32	1.1174	A	1.6
5	☐	25000.000	26458.150	7081199.69	2.2192	A	1.6
6	☐	50000.000	54679.876	14145563.95	4.5811	A	2.9
7	☐	100000.00	106268.72	29108952.06	8.8985	A	0.7
8	☐	500000.00	498181.58	138735350.1	41.6972	A	1.3

y = 8.3689E-005 * x + 0.0050
R = 0.9999
DL = 8.364
BEC = 59.21

Weight: <None>
Min Conc: 0

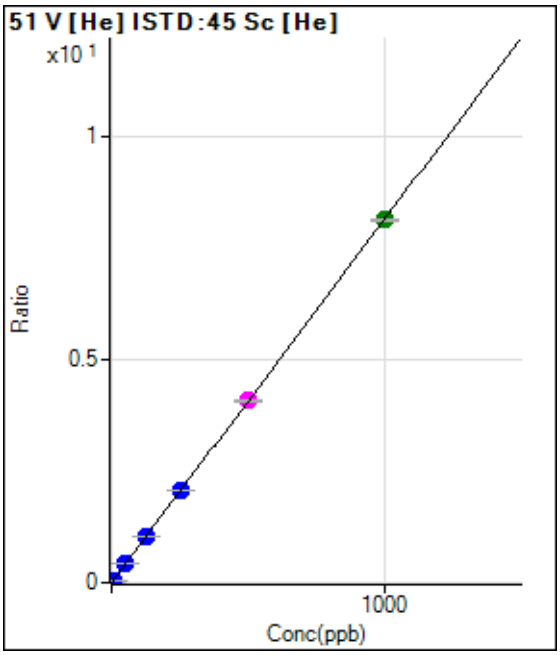
Reviewed By:Mohan
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	140.00	0.0000	P	9.2
2	☐	5.000	4.284	3863.86	0.0012	P	1.8
3	☐	500.000	501.824	439603.25	0.1406	P	1.0
4	☐	1250.000	1236.391	1092963.46	0.3464	P	1.2
5	☐	2500.000	2473.513	2210642.47	0.6929	A	1.0
6	☐	5000.000	5163.654	4466244.69	1.4464	A	2.5
7	☐	10000.000	9926.405	9095241.81	2.7804	A	1.0
8	☐			1398.97	0.0004	P	5.3

y = 2.8010E-004 * x + 4.4867E-005
R = 0.9998
DL = 0.04433
BEC = 0.1602

Weight: <None>
Min Conc: 0

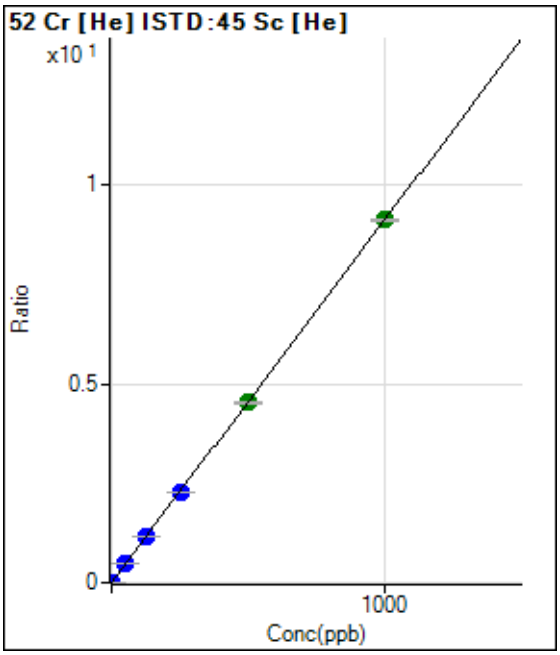


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	21.11	0.0001	P	9.5
2	☐	5.000	4.940	11881.44	0.0403	P	0.8
3	☐	50.000	50.644	123993.64	0.4120	P	0.8
4	☐	125.000	127.715	311891.15	1.0388	P	0.7
5	☐	250.000	253.314	622927.74	2.0604	P	0.3
6	☐	500.000	500.451	1246972.03	4.0705	M	1.1
7	☐	1000.000	998.575	2521404.01	8.1220	A	0.8
8	☐			601.13	0.0019	P	11.2

y = 0.0081 * x + 7.0596E-005
R = 1.0000
DL = 0.002475
BEC = 0.00868

Weight: <None>
Min Conc: 0

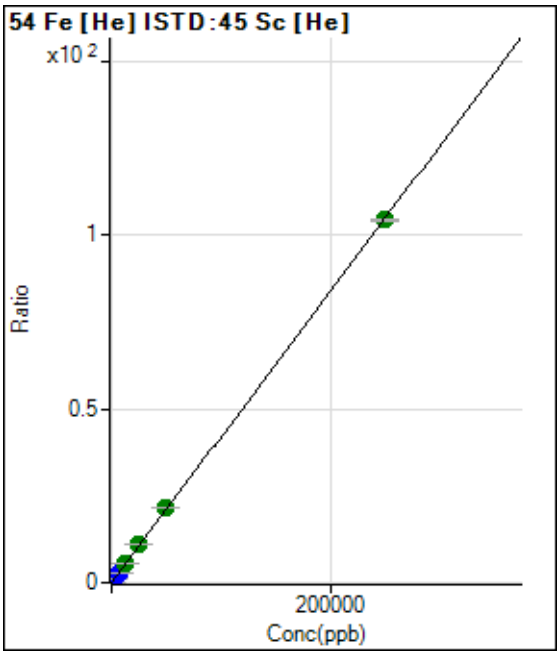
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	750.03	0.0025	P	6.3
2	☐	2.000	1.985	6073.49	0.0206	P	2.6
3	☐	50.000	50.995	140451.60	0.4667	P	1.2
4	☐	125.000	127.339	348750.74	1.1616	P	1.0
5	☐	250.000	251.356	692479.26	2.2905	P	0.2
6	☐	500.000	496.309	1384701.96	4.5201	A	0.6
7	☐	1000.000	1001.165	2829917.32	9.1156	A	0.2
8	☐			9703.20	0.0304	P	1.2

y = 0.0091 * x + 0.0025
R = 1.0000
DL = 0.05169
BEC = 0.2755

Weight: <None>
Min Conc: 0

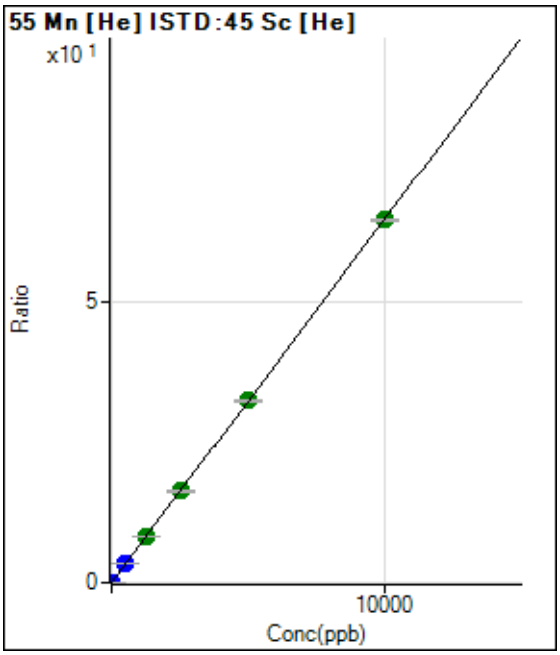


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1614.55	0.0054	P	3.3
2	☐	50.000	52.755	8117.81	0.0275	P	1.4
3	☐	2500.000	2747.824	348097.99	1.1566	P	0.6
4	☐	6250.000	6778.153	854199.07	2.8451	P	0.3
5	☐	12500.000	13284.910	1684294.68	5.5712	A	1.2
6	☐	25000.000	26315.299	3379075.99	11.0303	A	0.1
7	☐	50000.000	51810.740	6740317.33	21.7118	A	0.5
8	☐	250000.00	249451.39	33396759.50	104.5145	A	0.8

y = 4.1896E-004 * x + 0.0054
R = 1.0000
DL = 1.258
BEC = 12.89

Weight: <None>
Min Conc: 0

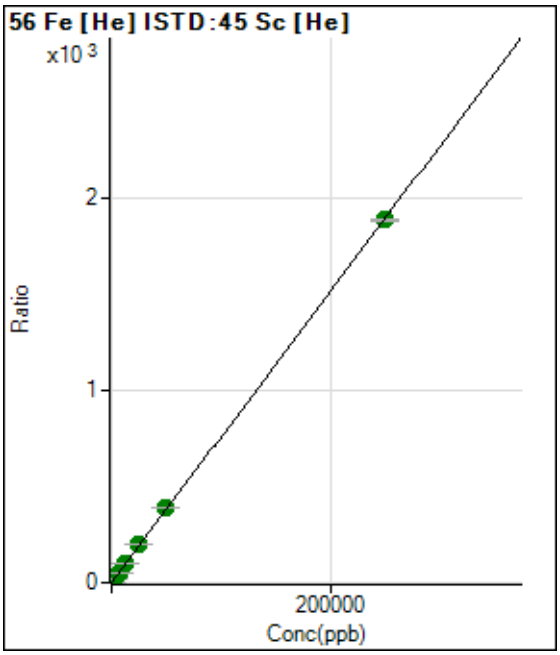
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	492.23	0.0016	P	8.8
2	☐	1.000	0.967	2337.98	0.0079	P	1.4
3	☐	500.000	506.115	988930.84	3.2859	P	0.1
4	☐	1250.000	1283.363	2500732.38	8.3295	A	1.7
5	☐	2500.000	2520.249	4944803.36	16.3558	A	0.6
6	☐	5000.000	5007.178	9954114.92	32.4937	A	0.9
7	☐	10000.000	9986.873	20118995.53	64.8074	A	0.6
8	☐			11090.89	0.0347	P	1.7

y = 0.0065 * x + 0.0016
R = 1.0000
DL = 0.06733
BEC = 0.2537

Weight: <None>
Min Conc: 0

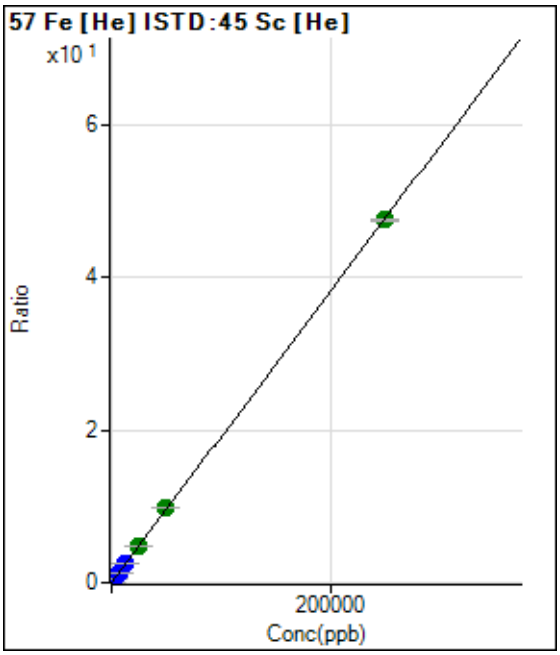


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	12038.24	0.0402	P	1.1
2	☐	50.000	51.804	127463.73	0.4318	P	0.6
3	☐	2500.000	2627.944	5990032.83	19.9030	A	0.7
4	☐	6250.000	6574.925	14931834.92	49.7355	A	1.3
5	☐	12500.000	13036.167	29801055.67	98.5716	A	0.3
6	☐	25000.000	25864.325	59899950.22	195.5307	A	0.4
7	☐	50000.000	51614.944	121119899.3	390.1616	A	1.0
8	☐	250000.00	249554.36	602742484.3	1,886.247	A	0.3

y = 0.0076 * x + 0.0402
R = 1.0000
DL = 0.1813
BEC = 5.325

Weight: <None>
Min Conc: 0

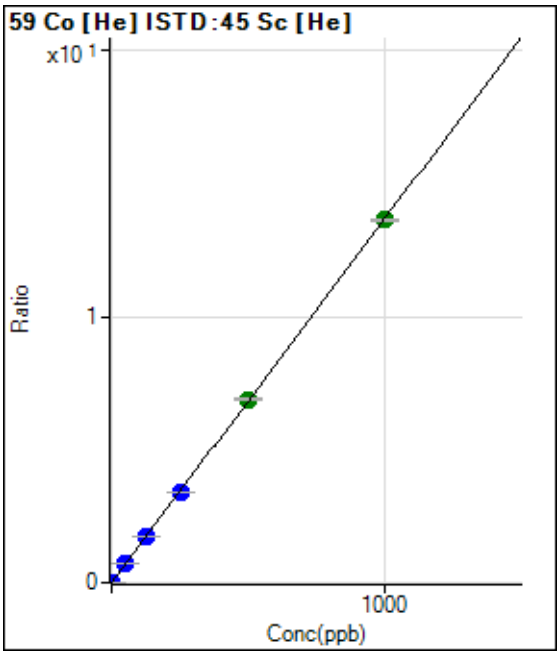
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2859.19	0.0096	P	3.6
2	☐	50.000	55.762	5955.68	0.0202	P	4.3
3	☐	2500.000	2668.412	155788.94	0.5176	P	0.7
4	☐	6250.000	6750.172	388741.17	1.2948	P	0.5
5	☐	12500.000	13216.222	763674.66	2.5260	P	0.5
6	☐	25000.000	25560.070	1493784.98	4.8763	A	1.2
7	☐	50000.000	51493.203	3046661.34	9.8140	A	0.9
8	☐	250000.00	249595.35	15189073.11	47.5333	A	0.4

y = 1.9040E-004 * x + 0.0096
R = 1.0000
DL = 5.348
BEC = 50.21

Weight: <None>
Min Conc: 0

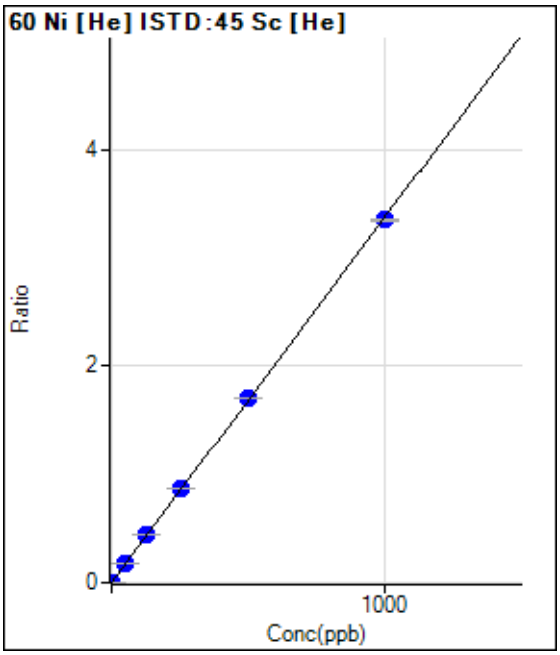


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	143.34	0.0005	P	17.1
2	☐	1.000	1.003	4183.96	0.0142	P	2.7
3	☐	50.000	50.593	208106.81	0.6915	P	0.3
4	☐	125.000	125.012	512760.79	1.7079	P	0.4
5	☐	250.000	249.803	1031622.63	3.4122	P	0.4
6	☐	500.000	504.196	2109727.66	6.8867	A	0.5
7	☐	1000.000	997.920	4231314.73	13.6299	A	0.7
8	☐			11490.04	0.0360	P	1.1

y = 0.0137 * x + 4.7942E-004
R = 1.0000
DL = 0.01805
BEC = 0.0351

Weight: <None>
Min Conc: 0

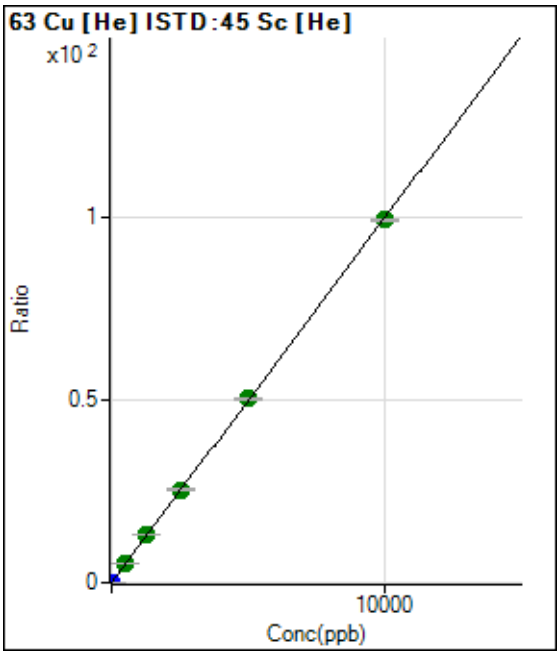
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	148.89	0.0005	P	8.4
2	☐	1.000	1.121	1262.29	0.0043	P	5.9
3	☐	50.000	52.013	52913.06	0.1758	P	1.0
4	☐	125.000	130.830	132538.03	0.4415	P	1.3
5	☐	250.000	257.963	263011.46	0.8700	P	1.2
6	☐	500.000	505.552	522146.33	1.7045	P	0.4
7	☐	1000.000	994.404	1040649.55	3.3522	P	0.8
8	☐			5233.19	0.0164	P	2.5

y = 0.0034 * x + 4.9779E-004
R = 0.9999
DL = 0.0372
BEC = 0.1477

Weight: <None>
Min Conc: 0

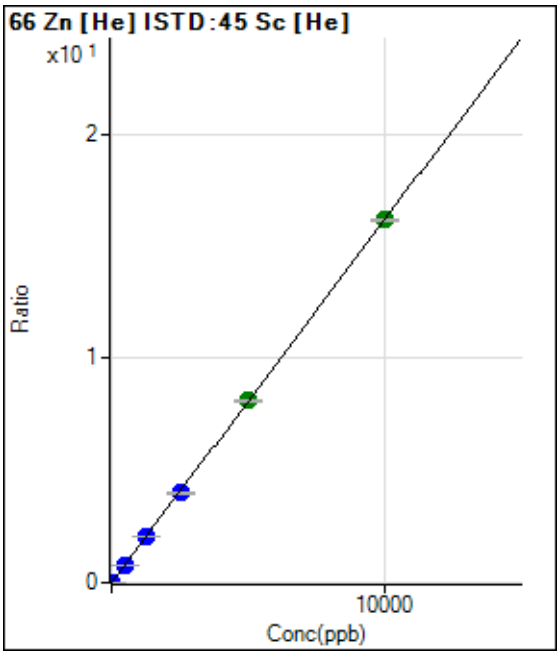


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1424.53	0.0048	P	2.8
2	☐	2.000	1.856	6861.64	0.0232	P	3.8
3	☐	500.000	515.795	1547223.54	5.1410	A	1.1
4	☐	1250.000	1314.812	3932300.56	13.0977	A	0.4
5	☐	2500.000	2546.942	7669115.44	25.3672	A	1.3
6	☐	5000.000	5049.993	15406457.41	50.2926	A	0.7
7	☐	10000.000	9954.377	30774286.21	99.1304	A	0.6
8	☐			8402.43	0.0263	P	1.8

y = 0.0100 * x + 0.0048
R = 1.0000
DL = 0.04087
BEC = 0.4783

Weight: <None>
Min Conc: 0

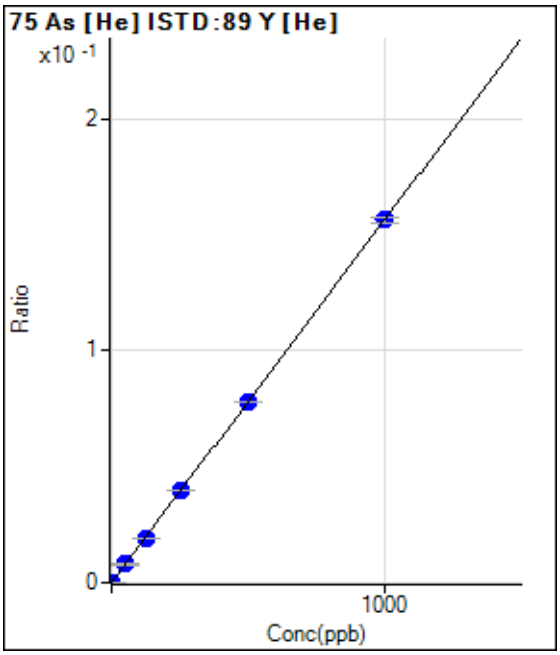
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	507.79	0.0017	P	2.2
2	☐	2.000	4.491	2644.71	0.0090	P	5.1
3	☐	500.000	499.819	243702.87	0.8097	P	0.2
4	☐	1250.000	1250.408	607431.66	2.0232	P	0.8
5	☐	2500.000	2465.631	1205636.14	3.9878	P	0.5
6	☐	5000.000	5015.903	2484630.33	8.1108	A	0.8
7	☐	10000.000	10000.598	5019794.54	16.1695	A	0.3
8	☐			5176.50	0.0162	P	4.8

y = 0.0016 * x + 0.0017
R = 1.0000
DL = 0.06822
BEC = 1.05

Weight: <None>
Min Conc: 0

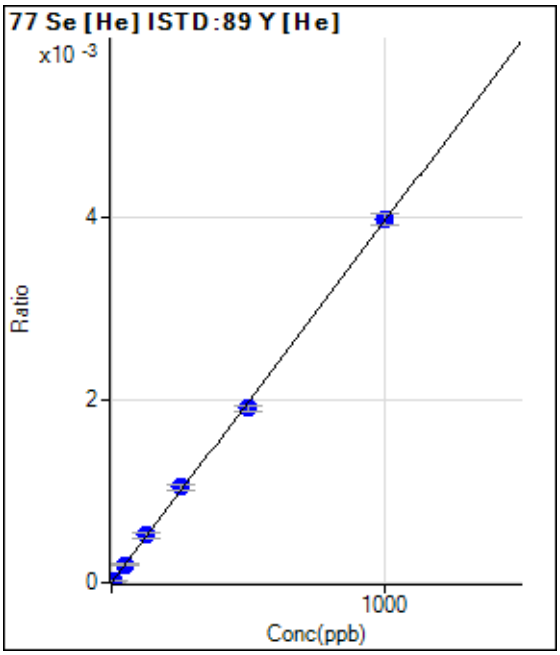


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1.11	0.0000	P	173.
2	☐	1.000	0.966	352.23	0.0002	P	17.2
3	☐	50.000	50.607	18638.45	0.0079	P	2.0
4	☐	125.000	123.209	46061.20	0.0192	P	0.5
5	☐	250.000	253.312	93042.46	0.0396	P	0.8
6	☐	500.000	497.812	188212.95	0.0778	P	0.5
7	☐	1000.000	1000.459	381206.05	0.1563	P	1.6
8	☐			256.67	0.0001	P	11.4

y = 1.5622E-004 * x + 4.6543E-007
R = 1.0000
DL = 0.01548
BEC = 0.002979

Weight: <None>
Min Conc: 0

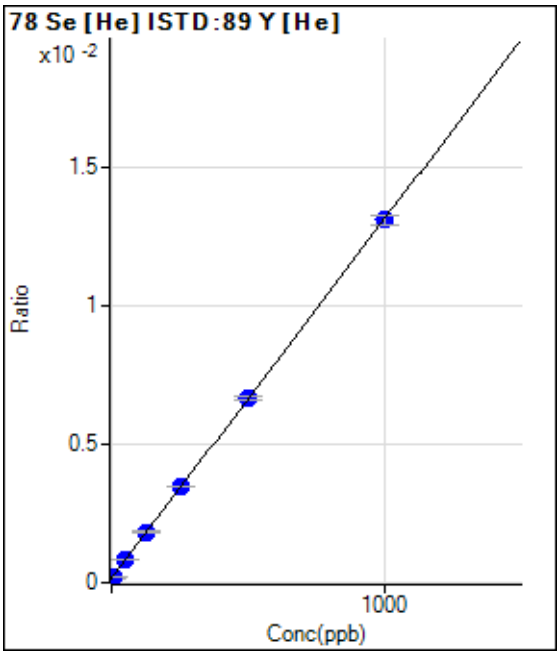
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2.22	0.0000	P	86.6
2	☐	5.000	4.003	38.89	0.0000	P	16.9
3	☐	50.000	50.175	468.90	0.0002	P	6.8
4	☐	125.000	130.950	1237.84	0.0005	P	12.2
5	☐	250.000	264.822	2459.12	0.0010	P	6.2
6	☐	500.000	482.960	4614.09	0.0019	P	3.8
7	☐	1000.000	1004.067	9665.46	0.0040	P	3.1
8	☐			3.33	0.0000	P	100.

y = 3.9461E-006 * x + 9.3420E-007
R = 0.9997
DL = 0.6151
BEC = 0.2367

Weight: <None>
Min Conc: 0

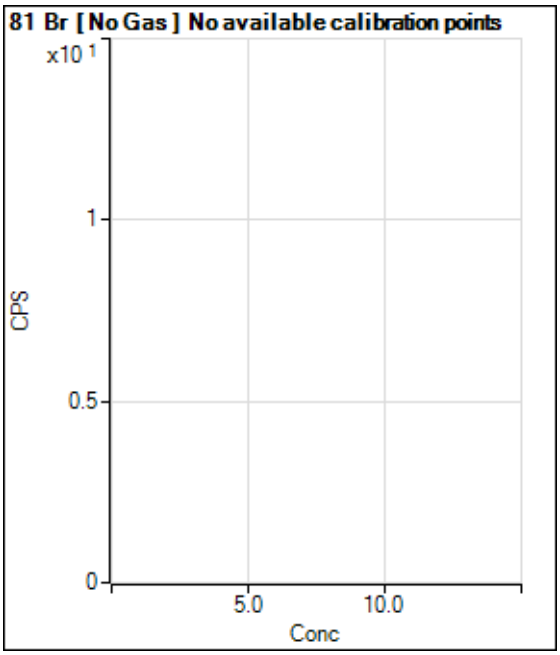


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	376.68	0.0002	P	5.9
2	☐	5.000	5.652	538.90	0.0002	P	5.6
3	☐	50.000	52.252	1971.26	0.0008	P	1.2
4	☐	125.000	128.067	4352.90	0.0018	P	3.3
5	☐	250.000	254.587	8132.30	0.0035	P	0.5
6	☐	500.000	501.214	16108.86	0.0067	P	1.7
7	☐	1000.000	997.747	31930.01	0.0131	P	2.3
8	☐			347.79	0.0001	P	13.3

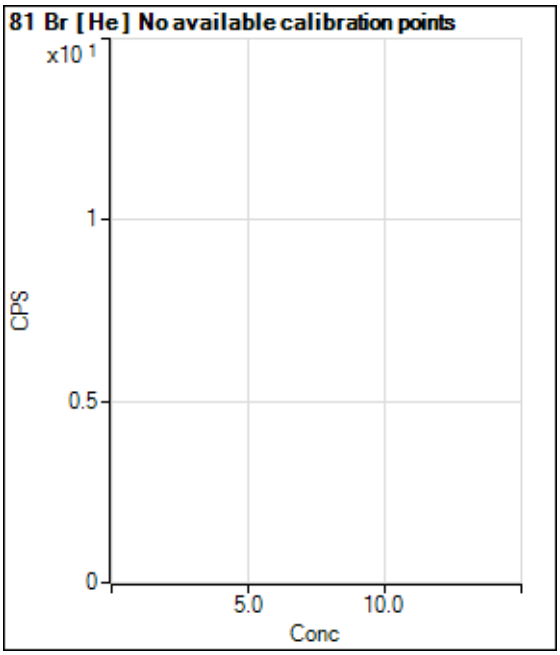
y = 1.2962E-005 * x + 1.5883E-004
R = 1.0000
DL = 2.182
BEC = 12.25

Weight: <None>
Min Conc: 0

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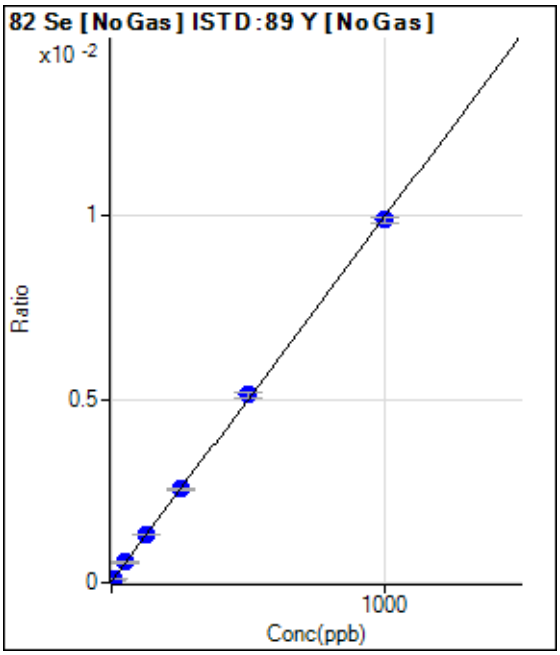


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			6332.53		P	0.9
2	☐			6394.77		P	1.9
3	☐			6266.94		P	2.7
4	☐			6323.64		P	1.8
5	☐			6233.60		P	1.4
6	☐			6394.79		P	3.1
7	☐			6538.18		P	1.5
8	☐			7167.36		P	3.3



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			72.22		P	32.7
2	☐			83.33		P	10.6
3	☐			71.11		P	35.5
4	☐			64.45		P	6.0
5	☐			64.44		P	29.9
6	☐			80.00		P	16.7
7	☐			63.33		P	19.0
8	☐			78.89		P	20.8

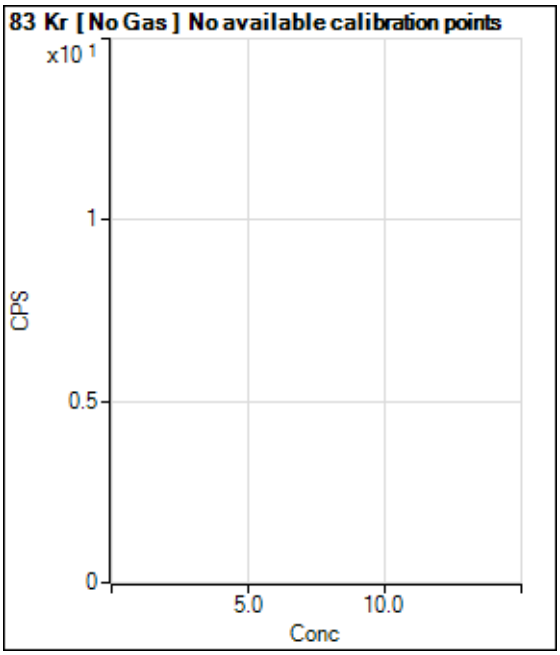
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	305.65	0.0000	P	12.3
2	☐	5.000	5.135	754.48	0.0001	P	4.0
3	☐	50.000	52.189	4883.86	0.0006	P	2.3
4	☐	125.000	128.151	11726.38	0.0013	P	0.8
5	☐	250.000	254.067	23106.09	0.0026	P	2.0
6	☐	500.000	512.502	45863.49	0.0051	P	3.1
7	☐	1000.000	992.228	93644.50	0.0099	P	1.9
8	☐			448.58	0.0000	P	15.4

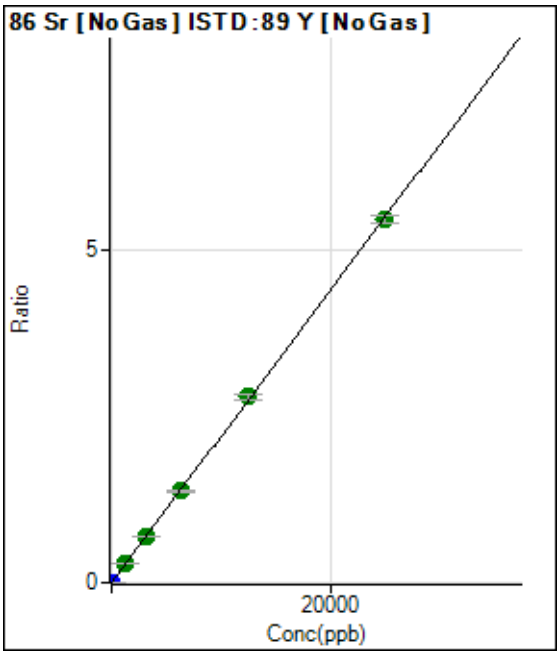
y = 9.9436E-006 * x + 3.4445E-005
R = 0.9999
DL = 1.275
BEC = 3.464

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			210.00		P	13.0
2	☐			223.33		P	9.3
3	☐			235.56		P	13.2
4	☐			256.67		P	4.7
5	☐			226.67		P	2.9
6	☐			246.67		P	11.8
7	☐			255.56		P	5.3
8	☐			266.67		P	13.9

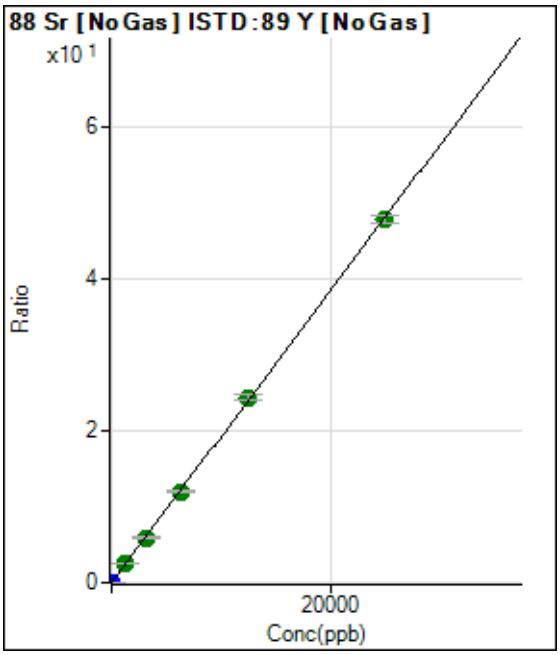
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	516.68	0.0001	P	13.5
2	☐	1.000	0.921	2293.54	0.0003	P	2.3
3	☐	1250.000	1270.174	2453802.24	0.2780	A	0.6
4	☐	3125.000	3130.427	6138950.95	0.6852	A	0.2
5	☐	6250.000	6292.449	12426718.56	1.3772	A	1.3
6	☐	12500.000	12756.127	24958817.40	2.7918	A	2.8
7	☐	25000.000	24859.637	51460270.90	5.4408	A	2.0
8	☐			8724.88	0.0009	P	3.3

y = 2.1886E-004 * x + 5.8266E-005
R = 0.9999
DL = 0.1076
BEC = 0.2662

Weight: <None>
Min Conc: 0

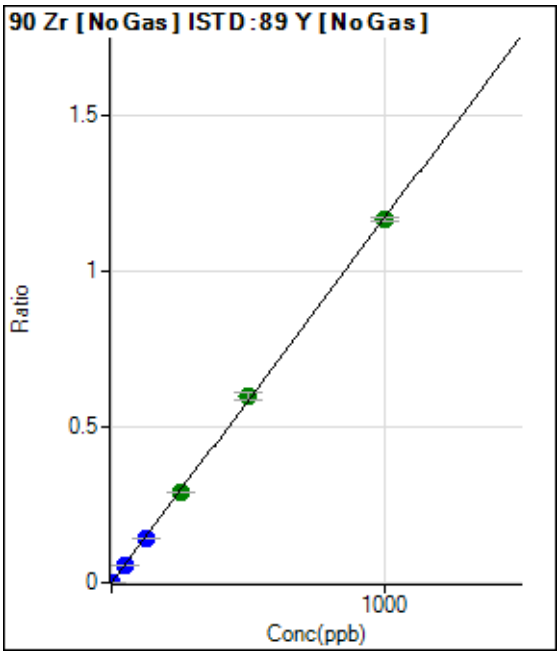


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1405.64	0.0002	P	4.8
2	☐	1.000	0.935	17253.54	0.0020	P	3.0
3	☐	1250.000	1264.899	21450332.04	2.4305	A	0.8
4	☐	3125.000	3099.844	53367499.20	5.9562	A	0.5
5	☐	6250.000	6242.156	108225237.2	11.9938	A	1.7
6	☐	12500.000	12729.349	218646752.3	24.4583	A	3.5
7	☐	25000.000	24889.686	452330668.8	47.8231	A	2.1
8	☐			73686.83	0.0079	P	2.2

y = 0.0019 * x + 1.5831E-004
R = 0.9999
DL = 0.0118
BEC = 0.0824

Weight: <None>
Min Conc: 0

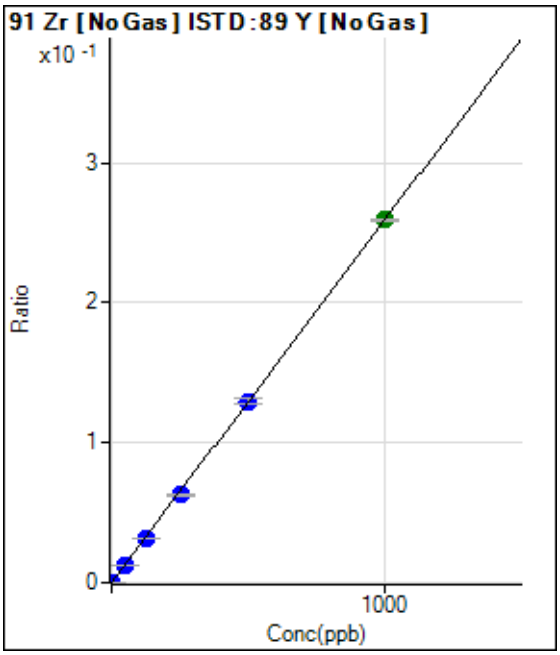
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	445.56	0.0001	P	2.1
2	☐	1.000	0.926	9995.70	0.0011	P	1.8
3	☐	50.000	49.615	512221.53	0.0580	P	1.5
4	☐	125.000	122.112	1279390.73	0.1428	P	0.7
5	☐	250.000	247.943	2615544.49	0.2899	A	1.3
6	☐	500.000	511.992	5350351.90	0.5985	A	3.3
7	☐	1000.000	994.899	11001365.25	1.1630	A	1.1
8	☐			6255.84	0.0007	P	1.7

y = 0.0012 * x + 5.0204E-005
R = 0.9999
DL = 0.002666
BEC = 0.04295

Weight: <None>
Min Conc: 0

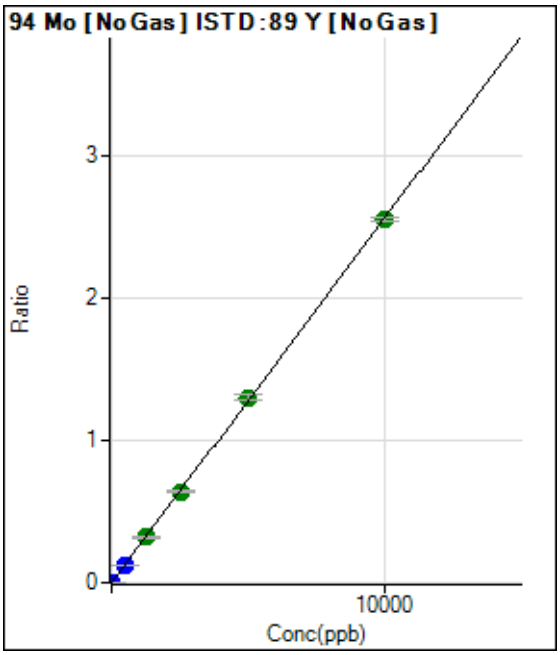


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	72.22	0.0000	P	4.8
2	☐	1.000	0.922	2177.96	0.0002	P	2.1
3	☐	50.000	49.234	112558.31	0.0128	P	1.2
4	☐	125.000	121.965	283000.71	0.0316	P	0.6
5	☐	250.000	243.186	568175.33	0.0630	P	1.9
6	☐	500.000	501.512	1160798.51	0.1298	P	2.9
7	☐	1000.000	1001.365	2452750.64	0.2593	A	0.4
8	☐			1411.20	0.0002	P	4.1

y = 2.5890E-004 * x + 8.1354E-006
R = 1.0000
DL = 0.004502
BEC = 0.03142

Weight: <None>
Min Conc: 0

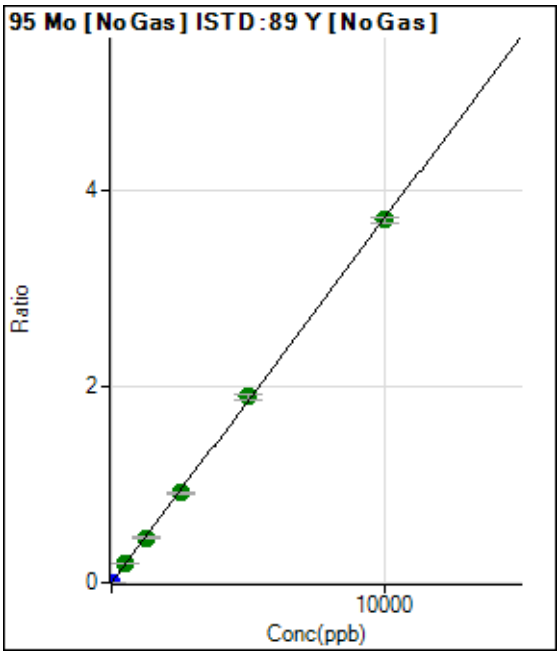
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	250.00	0.0000	P	5.1
2	☐	5.000	5.032	11613.59	0.0013	P	2.9
3	☐	500.000	493.050	1113754.18	0.1262	P	0.9
4	☐	1250.000	1242.514	2849218.12	0.3180	A	0.7
5	☐	2500.000	2487.498	5743762.62	0.6366	A	2.4
6	☐	5000.000	5088.515	11640763.99	1.3022	A	3.1
7	☐	10000.000	9960.151	24111178.53	2.5488	A	1.0
8	☐			5810.10	0.0006	P	5.2

y = 2.5590E-004 * x + 2.8174E-005
R = 0.9999
DL = 0.01675
BEC = 0.1101

Weight: <None>
Min Conc: 0

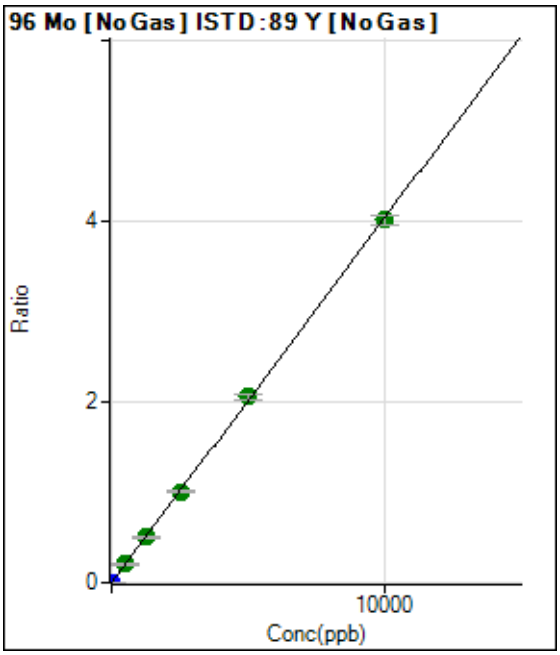


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	168.89	0.0000	P	19.0
2	☐	5.000	4.176	13854.45	0.0016	P	4.6
3	☐	500.000	505.048	1655775.86	0.1876	A	0.6
4	☐	1250.000	1239.882	4126985.56	0.4606	A	0.9
5	☐	2500.000	2470.721	8281823.07	0.9178	A	1.8
6	☐	5000.000	5098.559	16930459.89	1.8939	A	3.2
7	☐	10000.000	9959.053	34992744.48	3.6994	A	1.5
8	☐			5217.64	0.0006	P	3.9

y = 3.7146E-004 * x + 1.9018E-005
R = 0.9999
DL = 0.02914
BEC = 0.0512

Weight: <None>
Min Conc: 0

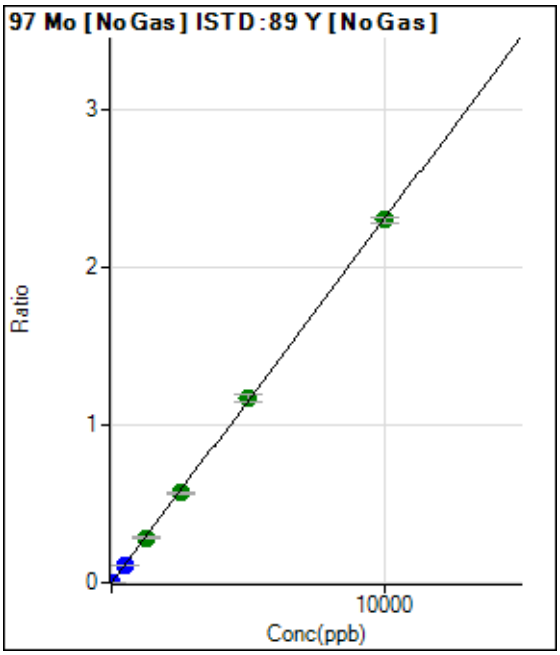
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	193.34	0.0000	P	10.3
2	☐	5.000	4.292	15486.09	0.0018	P	2.1
3	☐	500.000	503.321	1793702.25	0.2033	A	1.1
4	☐	1250.000	1242.669	4496089.20	0.5018	A	0.8
5	☐	2500.000	2486.252	9058417.23	1.0039	A	2.4
6	☐	5000.000	5111.444	18450211.39	2.0639	A	3.2
7	☐	10000.000	9948.466	37992858.60	4.0170	A	2.4
8	☐			11125.45	0.0012	P	2.7

y = 4.0378E-004 * x + 2.1782E-005
R = 0.9999
DL = 0.01666
BEC = 0.05395

Weight: <None>
Min Conc: 0

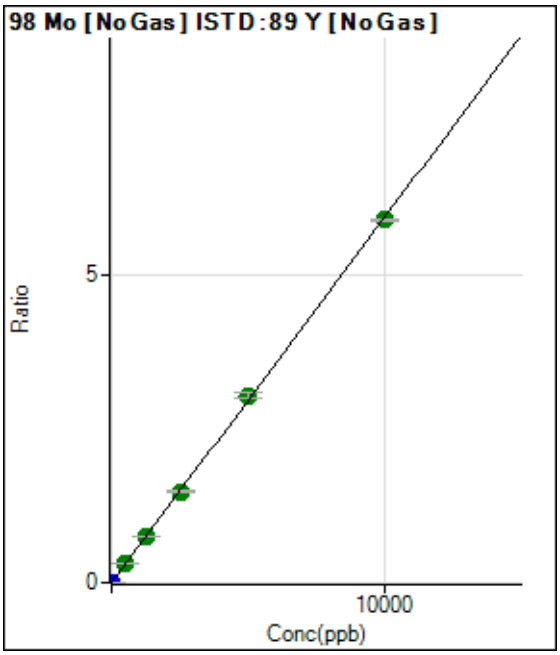


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	116.67	0.0000	P	17.1
2	☐	5.000	4.242	8740.47	0.0010	P	2.6
3	☐	500.000	489.522	995297.45	0.1128	P	2.3
4	☐	1250.000	1238.459	2556519.11	0.2853	A	1.0
5	☐	2500.000	2463.995	5121917.08	0.5677	A	2.2
6	☐	5000.000	5086.819	10475850.68	1.1719	A	3.8
7	☐	10000.000	9967.559	21720252.87	2.2963	A	1.9
8	☐			3234.84	0.0003	P	0.9

y = 2.3038E-004 * x + 1.3146E-005
R = 0.9999
DL = 0.02929
BEC = 0.05706

Weight: <None>
Min Conc: 0

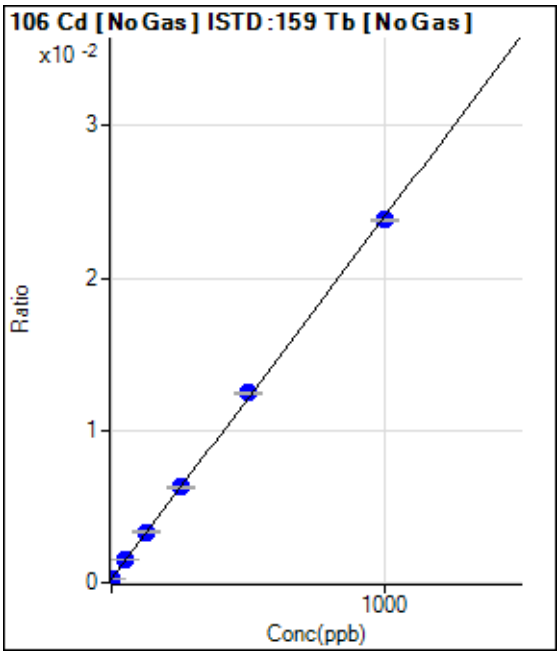
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	233.34	0.0000	P	3.8
2	☐	5.000	4.216	22279.30	0.0025	P	2.7
3	☐	500.000	505.241	2642033.87	0.2994	A	1.4
4	☐	1250.000	1240.850	6587891.99	0.7353	A	0.4
5	☐	2500.000	2489.101	13308411.88	1.4749	A	1.3
6	☐	5000.000	5130.216	27174259.59	3.0398	A	3.6
7	☐	10000.000	9938.499	55708803.06	5.8889	A	0.8
8	☐			7907.75	0.0008	P	2.0

y = 5.9253E-004 * x + 2.6279E-005
R = 0.9999
DL = 0.005039
BEC = 0.04435

Weight: <None>
Min Conc: 0

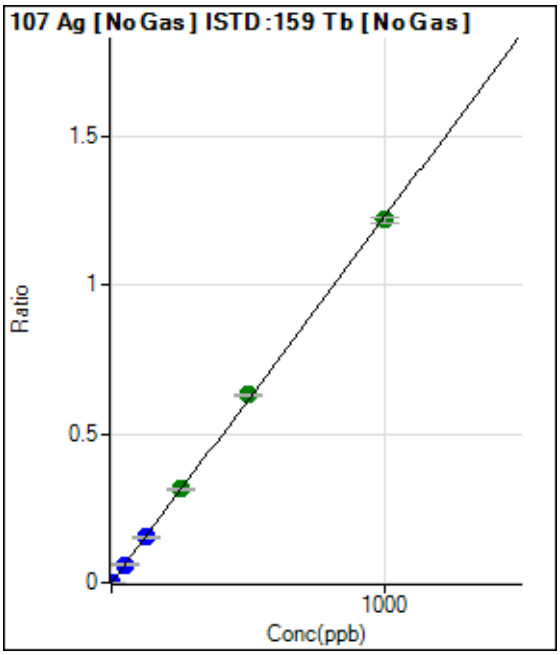


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1345.63	0.0002	P	6.0
2	☐	1.000	0.814	1456.76	0.0003	P	4.8
3	☐	50.000	52.614	8491.44	0.0015	P	2.0
4	☐	125.000	130.657	19213.94	0.0033	P	0.5
5	☐	250.000	252.946	36737.63	0.0063	P	1.4
6	☐	500.000	513.252	73214.60	0.0124	P	1.9
7	☐	1000.000	991.800	148258.99	0.0238	P	0.8
8	☐			1563.43	0.0003	P	5.3

y = 2.3788E-005 * x + 2.3715E-004
R = 0.9999
DL = 1.788
BEC = 9.97

Weight: <None>
Min Conc: 0

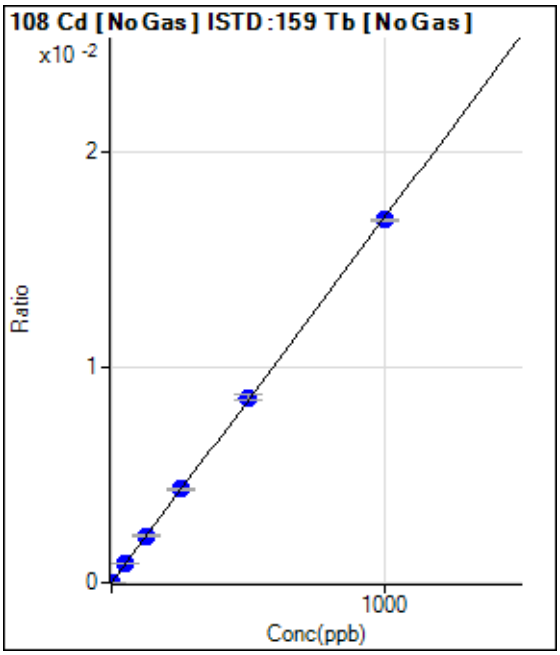
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	70.00	0.0000	P	4.8
2	☐	1.000	0.871	6156.92	0.0011	P	0.7
3	☐	50.000	49.936	350398.34	0.0614	P	2.0
4	☐	125.000	123.800	874799.30	0.1523	P	0.4
5	☐	250.000	255.588	1846962.18	0.3144	A	2.3
6	☐	500.000	512.980	3712189.11	0.6311	A	1.7
7	☐	1000.000	992.267	7594096.97	1.2207	A	1.5
8	☐			962.26	0.0002	P	9.8

y = 0.0012 * x + 1.2335E-005
R = 0.9998
DL = 0.001431
BEC = 0.01003

Weight: <None>
Min Conc: 0

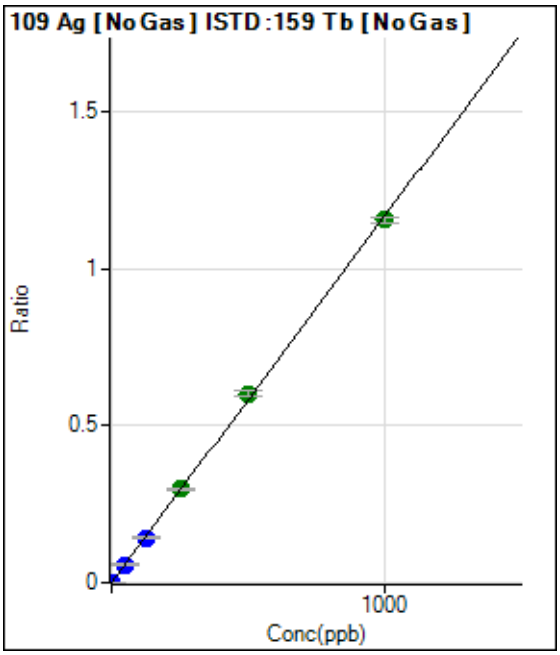


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6.67	0.0000	P	132.
2	☐	1.000	0.920	95.56	0.0000	P	16.3
3	☐	50.000	51.721	5010.92	0.0009	P	3.1
4	☐	125.000	128.892	12565.53	0.0022	P	2.0
5	☐	250.000	255.535	25467.95	0.0043	P	1.4
6	☐	500.000	508.123	50702.72	0.0086	P	2.3
7	☐	1000.000	993.982	104910.63	0.0169	P	0.6
8	☐			62.22	0.0000	P	30.5

y = 1.6962E-005 * x + 1.1801E-006
R = 0.9999
DL = 0.2768
BEC = 0.06957

Weight: <None>
Min Conc: 0

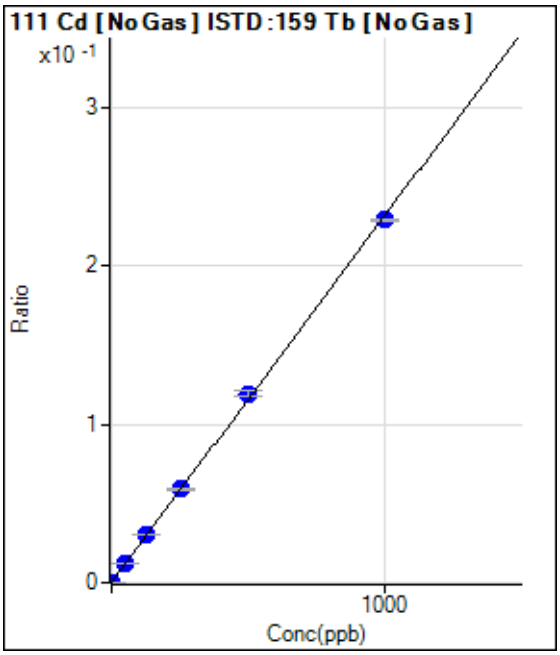
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	40.00	0.0000	P	55.0
2	☐	1.000	0.899	5993.51	0.0011	P	1.7
3	☐	50.000	49.778	330754.15	0.0580	P	2.4
4	☐	125.000	123.033	823320.53	0.1433	P	0.6
5	☐	250.000	257.020	1759018.97	0.2994	A	2.0
6	☐	500.000	516.031	3536191.06	0.6012	A	2.6
7	☐	1000.000	990.487	7180724.20	1.1540	A	1.6
8	☐			808.92	0.0001	P	14.0

y = 0.0012 * x + 7.0594E-006
R = 0.9998
DL = 0.01
BEC = 0.006059

Weight: <None>
Min Conc: 0

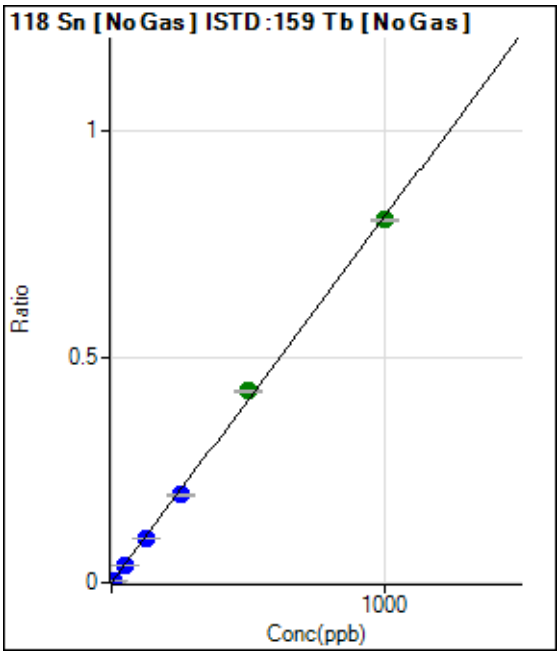


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	941.72	0.0002	P	5.3
2	☐	1.000	1.029	2294.03	0.0004	P	2.9
3	☐	50.000	52.712	70383.88	0.0123	P	1.6
4	☐	125.000	129.918	173328.89	0.0302	P	0.8
5	☐	250.000	255.545	347723.48	0.0592	P	2.0
6	☐	500.000	516.058	702129.34	0.1194	P	2.9
7	☐	1000.000	989.834	1423581.78	0.2288	P	0.4
8	☐			1287.52	0.0002	P	3.1

y = 2.3099E-004 * x + 1.6596E-004
R = 0.9998
DL = 0.1145
BEC = 0.7185

Weight: <None>
Min Conc: 0

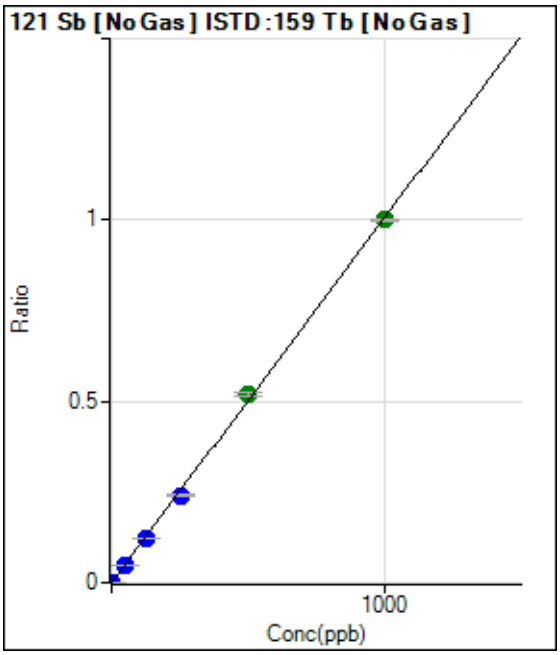
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1097.83	0.0002	P	7.5
2	☐	5.000	4.388	21304.75	0.0037	P	1.2
3	☐	50.000	48.856	226892.78	0.0398	P	2.2
4	☐	125.000	120.390	561498.02	0.0978	P	0.7
5	☐	250.000	238.968	1138734.41	0.1939	P	2.1
6	☐	500.000	523.543	2497140.17	0.4245	A	1.2
7	☐	1000.000	991.623	5001237.43	0.8038	A	0.3
8	☐			3537.16	0.0006	P	1.7

y = 8.1041E-004 * x + 1.9346E-004
R = 0.9995
DL = 0.0537
BEC = 0.2387

Weight: <None>
Min Conc: 0

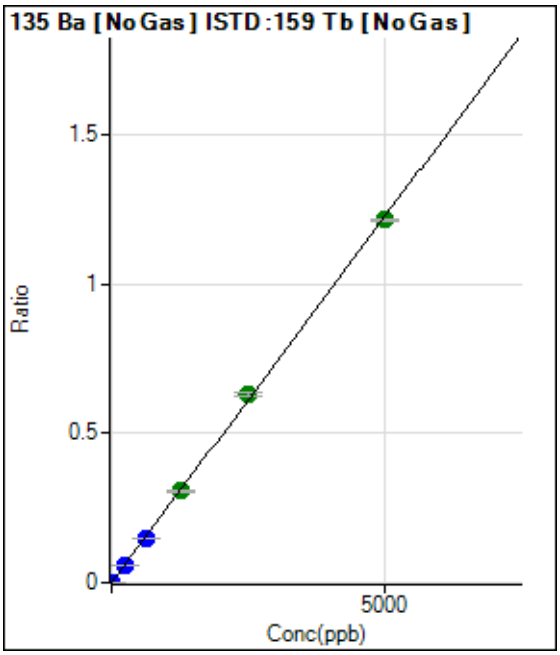


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	56.67	0.0000	P	11.3
2	☐	2.000	1.893	10870.85	0.0019	P	2.5
3	☐	50.000	48.452	277898.84	0.0487	P	2.4
4	☐	125.000	121.161	699854.63	0.1218	P	0.7
5	☐	250.000	238.630	1409590.02	0.2400	P	2.3
6	☐	500.000	517.069	3058612.11	0.5199	A	2.4
7	☐	1000.000	994.865	6223927.48	1.0004	A	0.7
8	☐			4873.10	0.0008	P	4.8

y = 0.0010 * x + 9.9816E-006
R = 0.9997
DL = 0.003375
BEC = 0.009927

Weight: <None>
Min Conc: 0

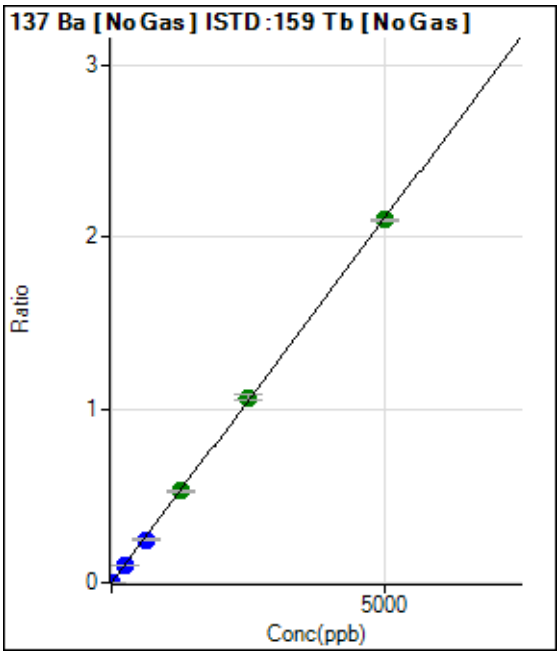
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	72.22	0.0000	P	7.5
2	☐	10.000	8.912	12480.00	0.0022	P	2.2
3	☐	250.000	237.915	332611.28	0.0583	P	2.0
4	☐	625.000	593.027	834870.94	0.1454	P	0.2
5	☐	1250.000	1258.272	1811575.73	0.3084	A	1.8
6	☐	2500.000	2581.318	3721542.86	0.6327	A	2.4
7	☐	5000.000	4961.876	7566735.79	1.2161	A	0.4
8	☐			3062.58	0.0005	P	0.2

y = 2.4509E-004 * x + 1.2729E-005
R = 0.9998
DL = 0.01162
BEC = 0.05194

Weight: <None>
Min Conc: 0

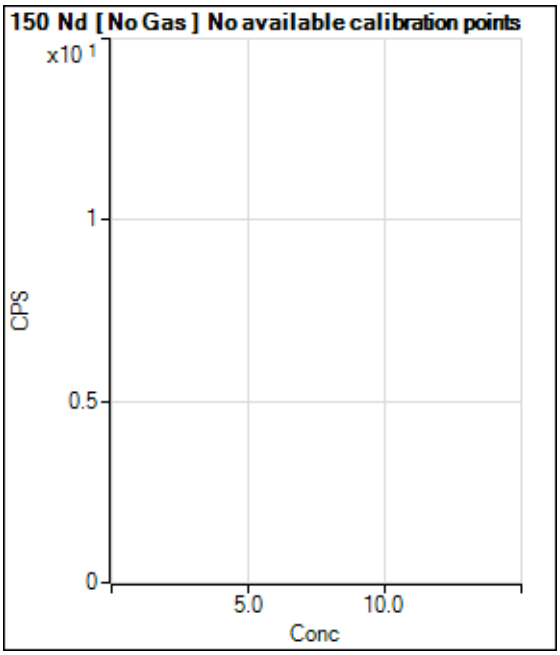


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	116.67	0.0000	P	24.5
2	☐	10.000	8.818	21249.28	0.0037	P	1.7
3	☐	250.000	238.765	574542.57	0.1007	P	1.7
4	☐	625.000	591.805	1434140.55	0.2497	P	1.0
5	☐	1250.000	1262.631	3128970.34	0.5327	A	2.0
6	☐	2500.000	2542.951	6309635.04	1.0728	A	3.2
7	☐	5000.000	4980.080	13072058.14	2.1009	A	0.7
8	☐			5466.66	0.0009	P	3.4

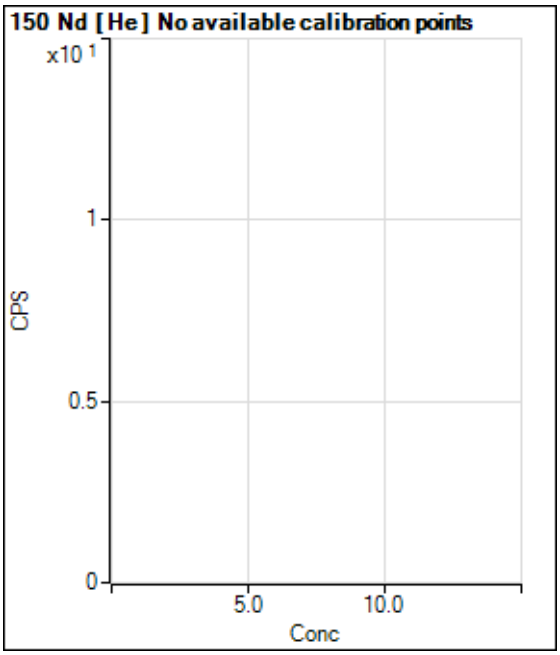
y = 4.2186E-004 * x + 2.0539E-005
R = 0.9999
DL = 0.03575
BEC = 0.04869

Weight: <None>
Min Conc: 0

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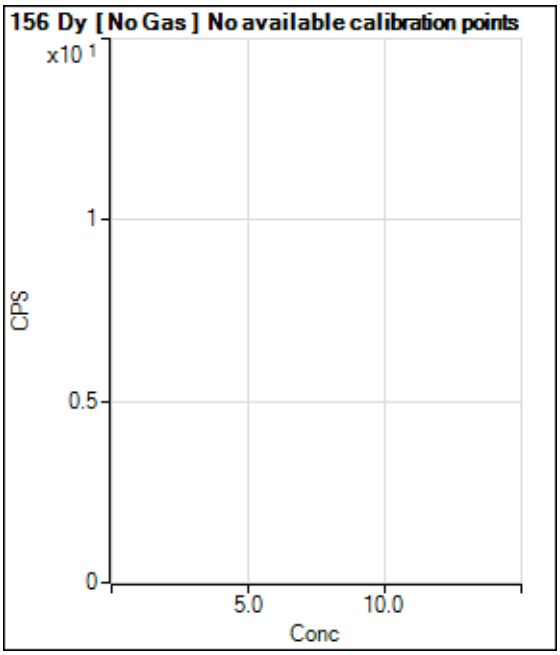


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			4.44		P	43.4
2	☐			8.89		P	57.3
3	☐			21.11		P	50.8
4	☐			42.22		P	32.9
5	☐			42.22		P	31.9
6	☐			93.33		P	15.6
7	☐			257.78		P	6.4
8	☐			112.22		P	26.6

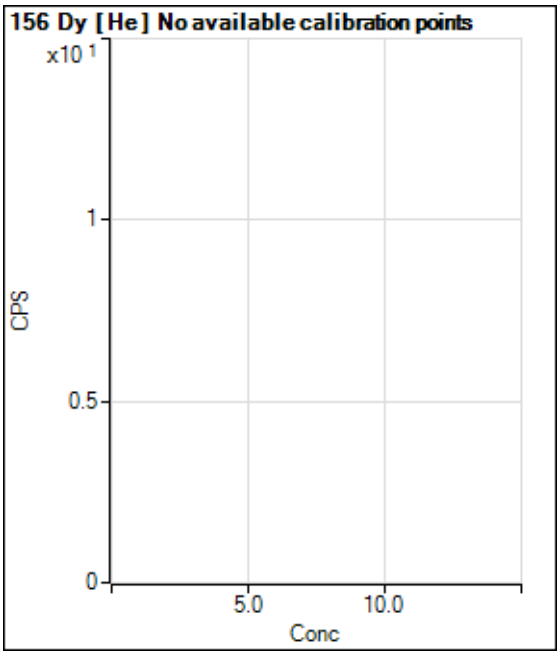


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			2.22		P	86.6
2	☐			2.22		P	173.
3	☐			5.56		P	91.6
4	☐			11.11		P	34.6
5	☐			15.56		P	32.7
6	☐			33.33		P	55.7
7	☐			42.22		P	25.4
8	☐			70.00		P	33.3

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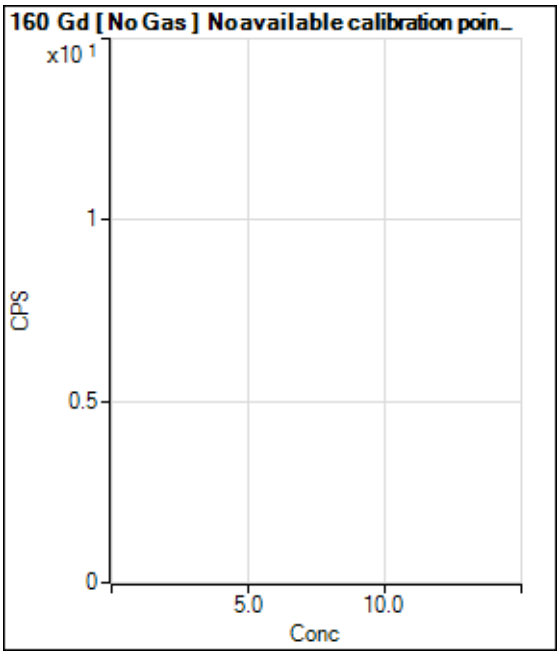


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			360.01		P	10.5
2	☐			347.79		P	15.2
3	☐			368.90		P	8.4
4	☐			317.78		P	10.0
5	☐			386.68		P	9.7
6	☐			363.34		P	12.9
7	☐			481.12		P	6.2
8	☐			544.46		P	7.1

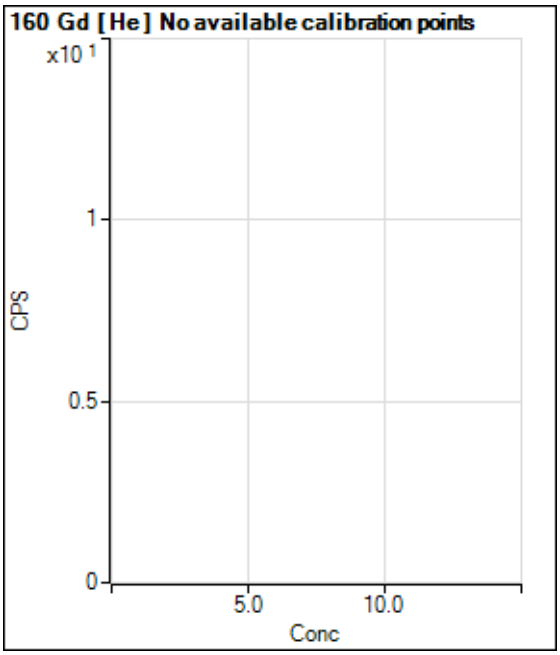


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			124.45		P	19.7
2	☐			86.67		P	32.9
3	☐			106.67		P	3.1
4	☐			108.89		P	15.1
5	☐			163.34		P	7.4
6	☐			252.23		P	12.2
7	☐			435.57		P	8.8
8	☐			247.78		P	8.2

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

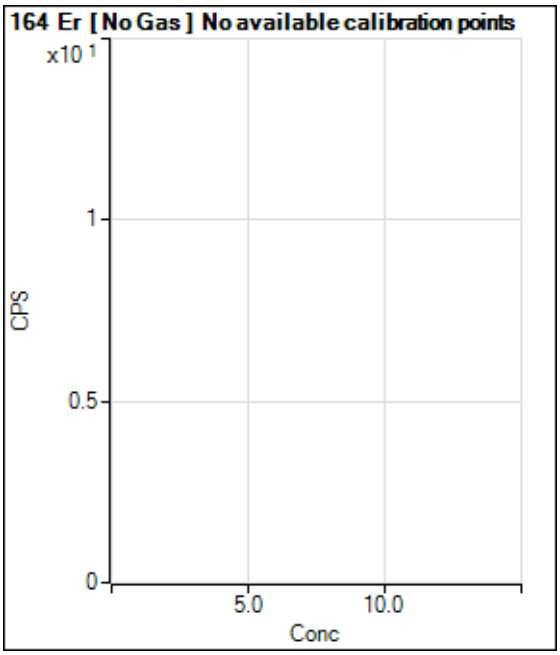


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			24.44		P	34.3
2	☐			16.67		P	52.9
3	☐			26.67		P	21.7
4	☐			32.22		P	31.6
5	☐			37.78		P	44.4
6	☐			68.89		P	43.4
7	☐			83.33		P	26.2
8	☐			200.00		P	8.8

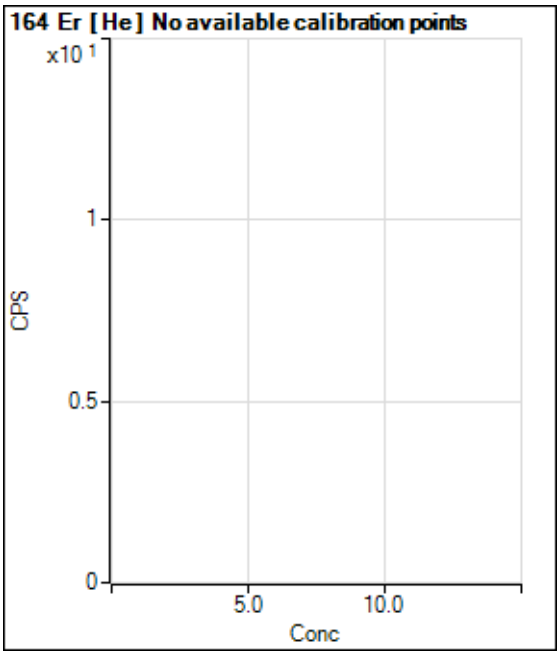


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			151.11		P	5.5
2	☐			116.67		P	7.6
3	☐			143.34		P	17.6
4	☐			120.00		P	20.0
5	☐			168.89		P	16.0
6	☐			158.89		P	10.3
7	☐			217.78		P	21.1
8	☐			240.01		P	9.1

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Inst Id :P7

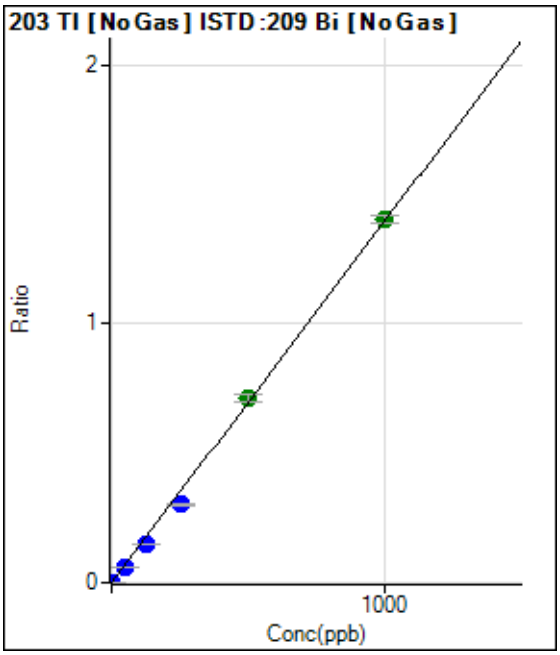


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			40.00		P	14.4
2	☐			43.33		P	23.1
3	☐			52.22		P	19.5
4	☐			46.67		P	32.7
5	☐			52.22		P	24.2
6	☐			73.33		P	22.7
7	☐			95.56		P	5.3
8	☐			230.00		P	5.0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			24.45		P	15.8
2	☐			22.22		P	8.7
3	☐			18.89		P	10.2
4	☐			25.55		P	15.1
5	☐			36.67		P	27.3
6	☐			53.33		P	16.5
7	☐			68.89		P	34.0
8	☐			165.56		P	22.9

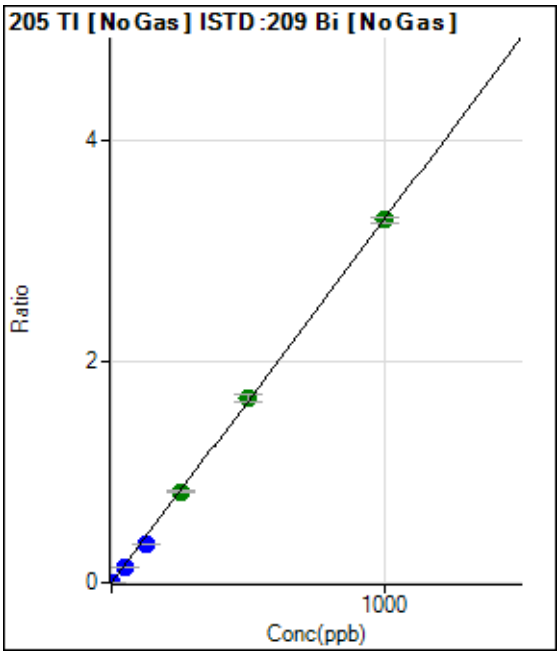
Reviewed By:Mohan
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	114.45	0.0000	P	3.0
2	☐	1.000	0.854	3979.51	0.0012	P	1.9
3	☐	50.000	43.542	200078.37	0.0607	P	1.3
4	☐	125.000	107.018	503388.14	0.1492	P	0.4
5	☐	250.000	215.657	1016023.89	0.3007	P	2.1
6	☐	500.000	513.558	2415231.54	0.7160	A	4.1
7	☐	1000.000	1004.378	4964210.10	1.4002	A	2.0
8	☐			728.92	0.0002	P	14.2

y = 0.0014 * x + 3.5098E-005
R = 0.9992
DL = 0.002287
BEC = 0.02518

Weight: <None>
Min Conc: 0

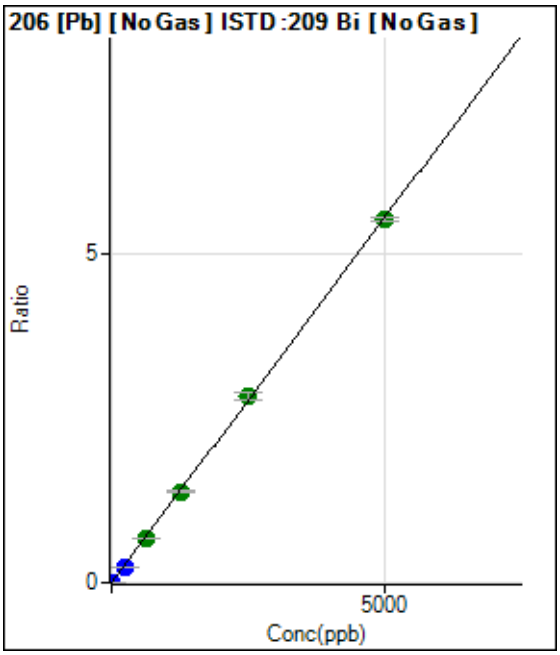


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	198.89	0.0001	P	1.0
2	☐	1.000	0.830	9058.65	0.0028	P	4.1
3	☐	50.000	43.579	472229.23	0.1434	P	1.2
4	☐	125.000	106.937	1186314.77	0.3517	P	0.4
5	☐	250.000	250.325	2781747.42	0.8232	A	0.8
6	☐	500.000	508.915	5644829.91	1.6734	A	4.3
7	☐	1000.000	998.040	11635438.16	3.2817	A	1.8
8	☐			1572.33	0.0005	P	9.1

y = 0.0033 * x + 6.1000E-005
R = 0.9998
DL = 0.0005485
BEC = 0.01855

Weight: <None>
Min Conc: 0

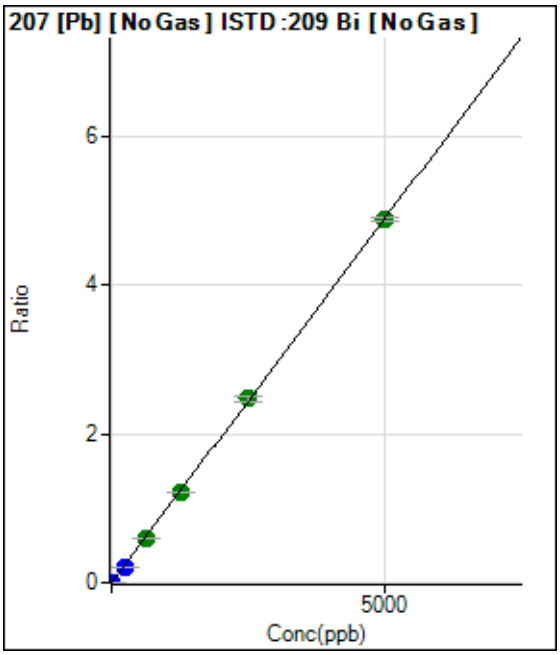
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	286.67	0.0001	P	10.2
2	☐	1.000	0.808	3199.30	0.0010	P	1.5
3	☐	250.000	219.500	803690.26	0.2440	P	1.5
4	☐	625.000	616.453	2310742.81	0.6850	A	0.8
5	☐	1250.000	1248.333	4687129.44	1.3871	A	1.0
6	☐	2500.000	2561.797	9601259.65	2.8465	A	4.6
7	☐	5000.000	4972.112	19589362.77	5.5245	A	1.0
8	☐			4208.48	0.0013	P	4.4

y = 0.0011 * x + 8.7862E-005
R = 0.9999
DL = 0.02421
BEC = 0.07908

Weight: <None>
Min Conc: 0

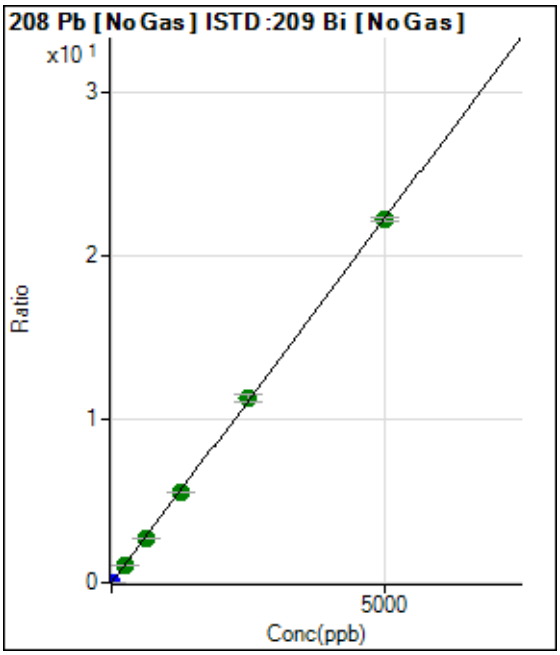


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	252.23	0.0001	P	13.0
2	☐	1.000	0.794	2771.42	0.0009	P	4.4
3	☐	250.000	216.315	696639.68	0.2115	P	1.5
4	☐	625.000	614.516	2025990.70	0.6006	A	0.5
5	☐	1250.000	1245.035	4111437.23	1.2168	A	1.5
6	☐	2500.000	2527.831	8334502.65	2.4703	A	3.4
7	☐	5000.000	4990.321	17292062.10	4.8767	A	1.2
8	☐			3592.73	0.0011	P	2.4

y = 9.7722E-004 * x + 7.7405E-005
R = 1.0000
DL = 0.03086
BEC = 0.07921

Weight: <None>
Min Conc: 0

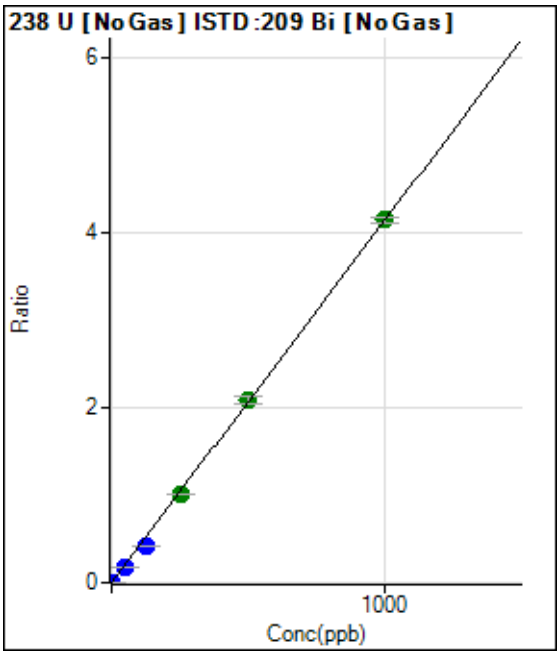
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1126.70	0.0003	P	2.3
2	☐	1.000	0.805	12746.92	0.0039	P	3.4
3	☐	250.000	234.754	3438946.66	1.0438	A	0.8
4	☐	625.000	616.988	9251956.95	2.7429	A	1.1
5	☐	1250.000	1243.047	18671842.92	5.5257	A	1.5
6	☐	2500.000	2535.831	38027087.42	11.2721	A	3.9
7	☐	5000.000	4985.587	78579922.30	22.1612	A	1.1
8	☐			16728.66	0.0050	P	2.3

y = 0.0044 * x + 3.4552E-004
R = 1.0000
DL = 0.00544
BEC = 0.07773

Weight: <None>
Min Conc: 0

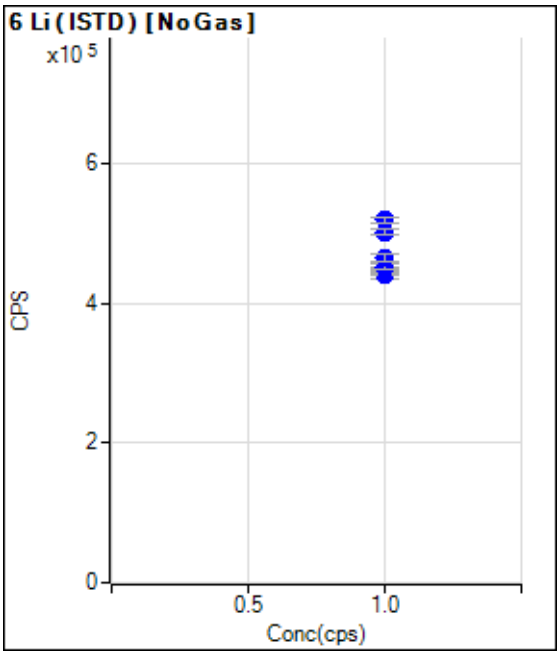


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	116.67	0.0000	P	4.9
2	☐	1.000	0.785	10662.16	0.0033	P	3.3
3	☐	50.000	42.023	572874.82	0.1739	P	1.5
4	☐	125.000	103.057	1438514.94	0.4264	P	0.5
5	☐	250.000	244.130	3413259.95	1.0101	A	1.5
6	☐	500.000	504.173	7037455.17	2.0859	A	3.4
7	☐	1000.000	1002.523	14706818.95	4.1478	A	1.4
8	☐			838.92	0.0003	P	8.3

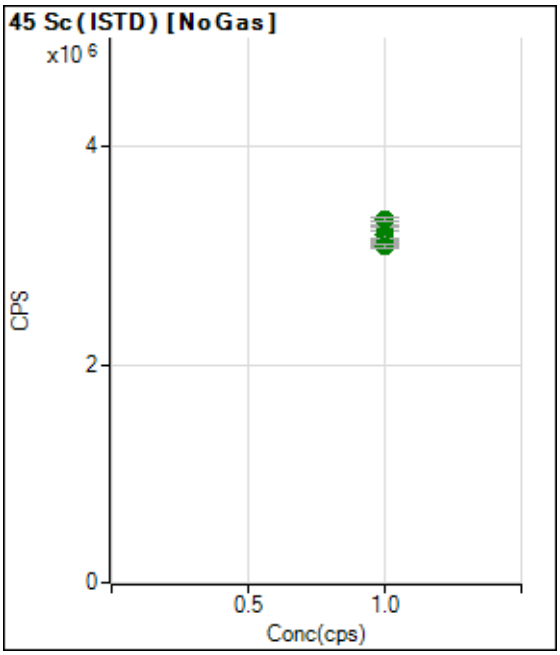
y = 0.0041 * x + 3.5772E-005
R = 0.9998
DL = 0.001266
BEC = 0.008646

Weight: <None>
Min Conc: 0

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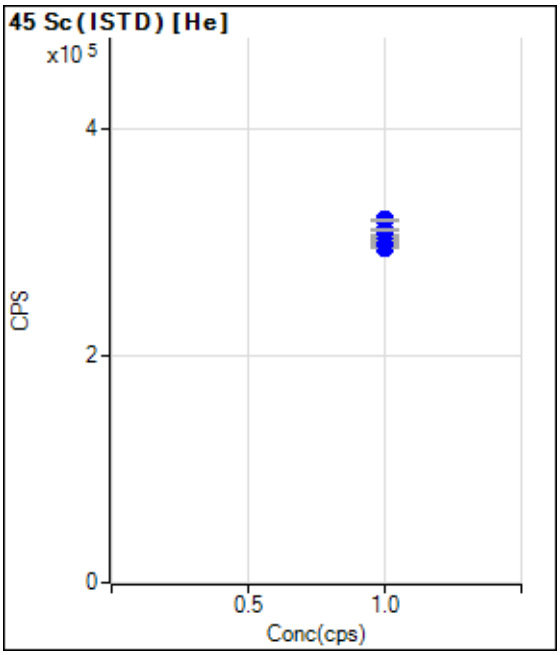


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		440872.75		P	1.9
2	☐	1.000		443208.35		P	1.0
3	☐	1.000		442587.81		P	0.5
4	☐	1.000		448487.68		P	1.7
5	☐	1.000		452975.84		P	1.8
6	☐	1.000		467226.34		P	2.3
7	☐	1.000		503148.23		P	2.0
8	☐	1.000		520261.91		P	1.6

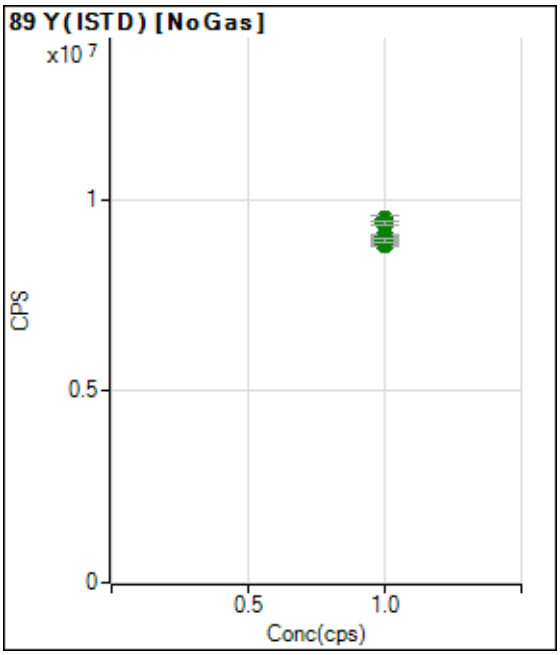


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3117703.88		A	2.8
2	☐	1.000		3104114.95		A	0.9
3	☐	1.000		3126523.36		A	0.5
4	☐	1.000		3155560.33		A	0.5
5	☐	1.000		3190656.06		A	1.8
6	☐	1.000		3088297.84		A	0.8
7	☐	1.000		3271236.58		A	0.3
8	☐	1.000		3327124.47		A	1.0

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

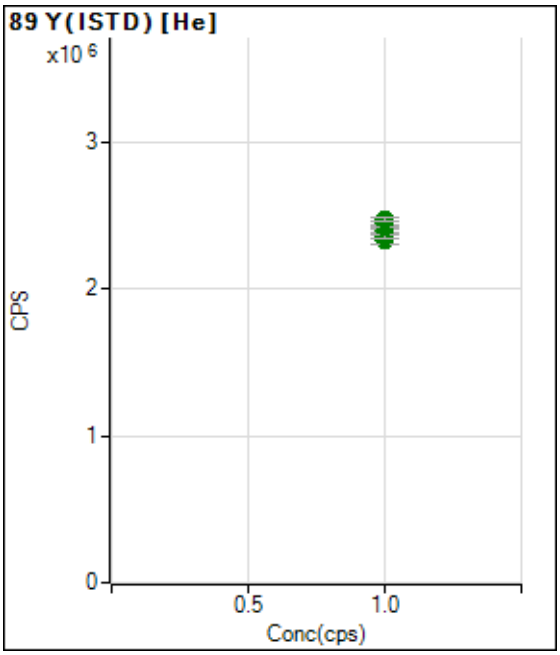


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1	☐	1.000		299097.54		P	0.4
2	☐	1.000		295194.43		P	0.4
3	☐	1.000		300963.69		P	0.4
4	☐	1.000		300231.54		P	0.3
5	☐	1.000		302329.59		P	0.3
6	☐	1.000		306343.66		P	0.5
7	☐	1.000		310451.31		P	0.8
8	☐	1.000		319548.87		P	0.6

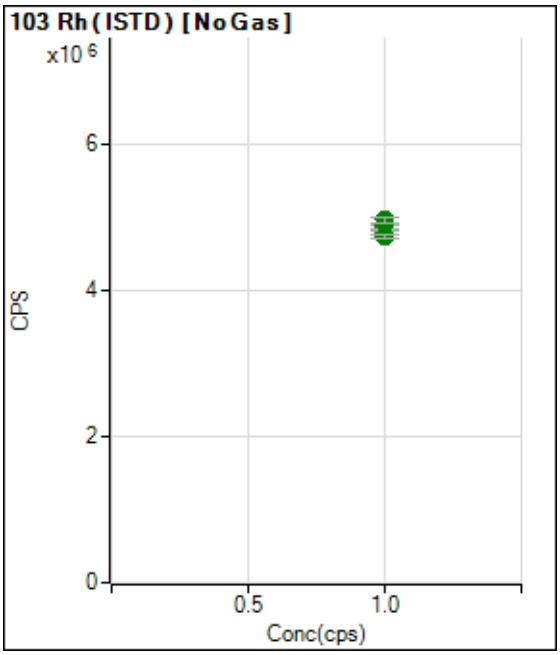


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		8876542.16		A	1.2
2	☐	1.000		8825402.79		A	0.8
3	☐	1.000		8825272.37		A	1.0
4	☐	1.000		8959660.63		A	1.1
5	☐	1.000		9023439.31		A	0.8
6	☐	1.000		8941701.19		A	1.3
7	☐	1.000		9461120.90		A	2.3
8	☐	1.000		9376149.44		A	0.6

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

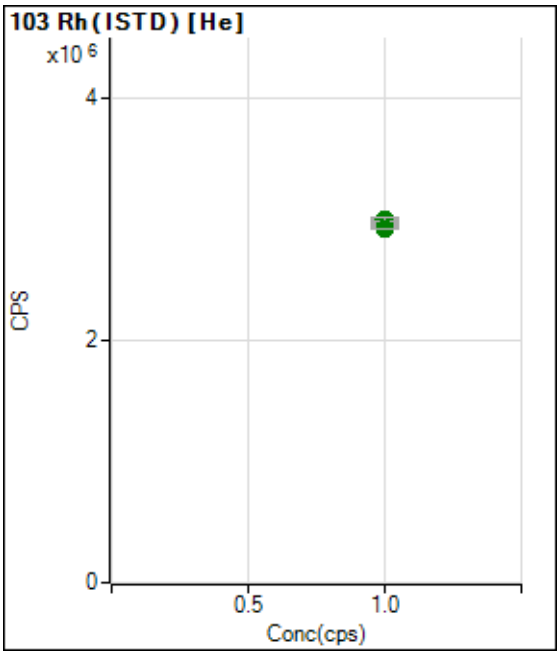


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2371930.09		A	0.5
2	☐	1.000		2322094.88		A	1.6
3	☐	1.000		2357720.17		A	1.0
4	☐	1.000		2393035.77		A	1.0
5	☐	1.000		2351221.13		A	1.2
6	☐	1.000		2420200.31		A	0.5
7	☐	1.000		2439545.38		A	1.8
8	☐	1.000		2466574.08		A	1.1

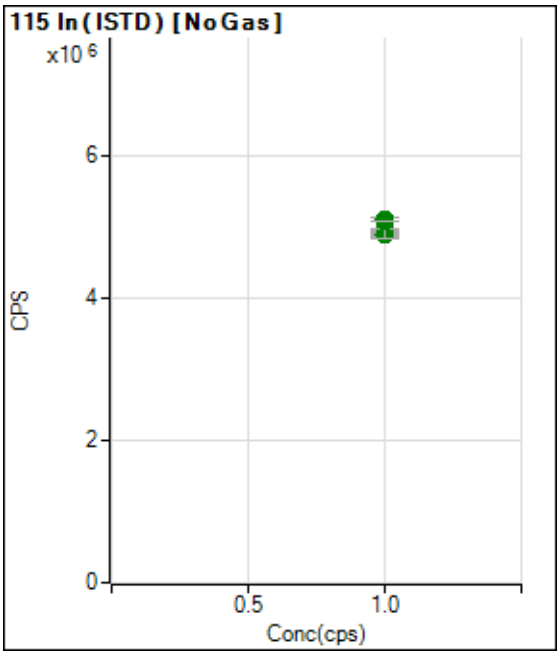


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4880574.48		A	0.9
2	☐	1.000		4794633.16		A	1.1
3	☐	1.000		4799013.58		A	1.2
4	☐	1.000		4821430.28		A	0.4
5	☐	1.000		4893259.48		A	1.2
6	☐	1.000		4769286.53		A	1.8
7	☐	1.000		4973106.77		A	1.7
8	☐	1.000		4743273.16		A	0.7

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

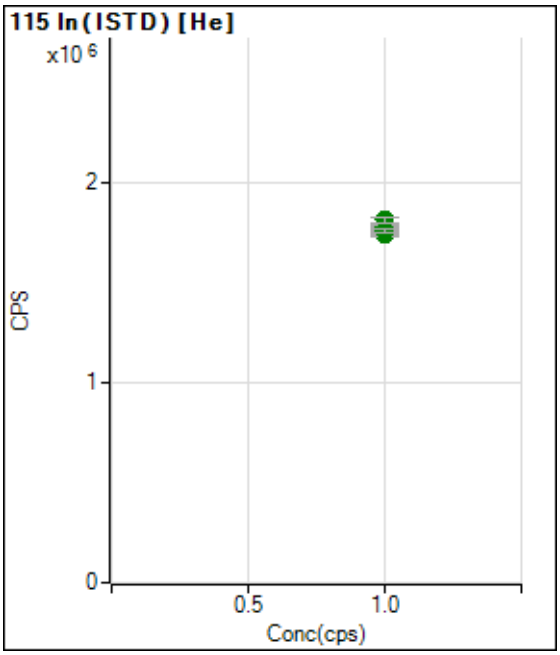


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2963151.59		A	1.3
2	☐	1.000		2946214.82		A	0.3
3	☐	1.000		2962046.24		A	0.3
4	☐	1.000		2972158.01		A	1.8
5	☐	1.000		2969046.76		A	1.8
6	☐	1.000		2998183.15		A	1.7
7	☐	1.000		2997376.03		A	1.2
8	☐	1.000		2922798.15		A	0.4

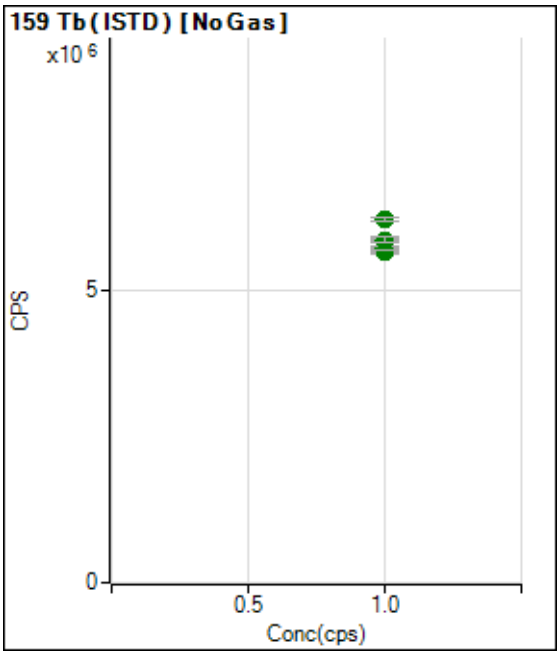


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4905505.72		A	0.8
2	☐	1.000		4960346.92		A	0.9
3	☐	1.000		4907435.04		A	0.3
4	☐	1.000		4971073.04		A	0.5
5	☐	1.000		4955137.51		A	0.4
6	☐	1.000		4913390.06		A	2.9
7	☐	1.000		5109722.54		A	1.0
8	☐	1.000		5084556.62		A	0.2

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

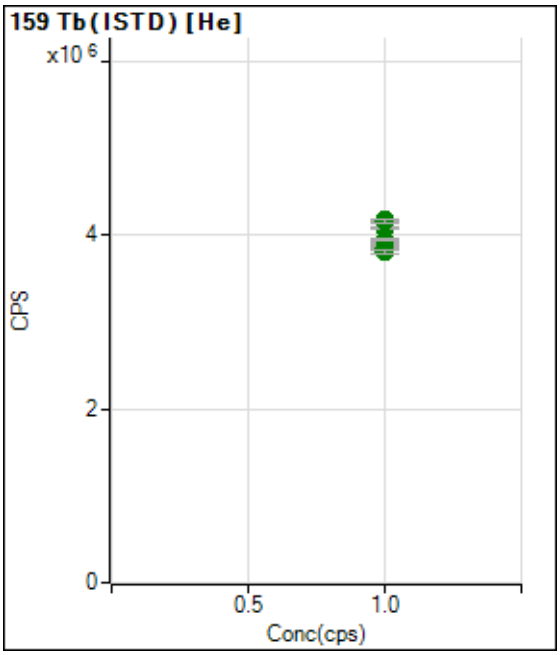


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1779460.61		A	0.6
2	☐	1.000		1748687.00		A	1.9
3	☐	1.000		1739683.46		A	0.5
4	☐	1.000		1769849.15		A	2.7
5	☐	1.000		1779772.34		A	1.0
6	☐	1.000		1794787.44		A	0.5
7	☐	1.000		1761406.39		A	1.3
8	☐	1.000		1817388.52		A	1.5

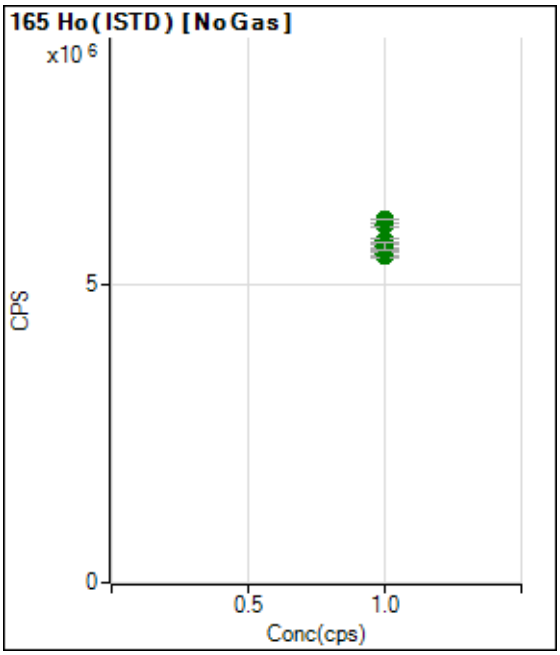


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5675197.90		A	0.5
2	☐	1.000		5682345.68		A	2.0
3	☐	1.000		5703369.78		A	1.0
4	☐	1.000		5743633.87		A	1.1
5	☐	1.000		5874340.61		A	0.5
6	☐	1.000		5882846.51		A	1.4
7	☐	1.000		6221865.33		A	1.2
8	☐	1.000		6223398.86		A	1.2

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

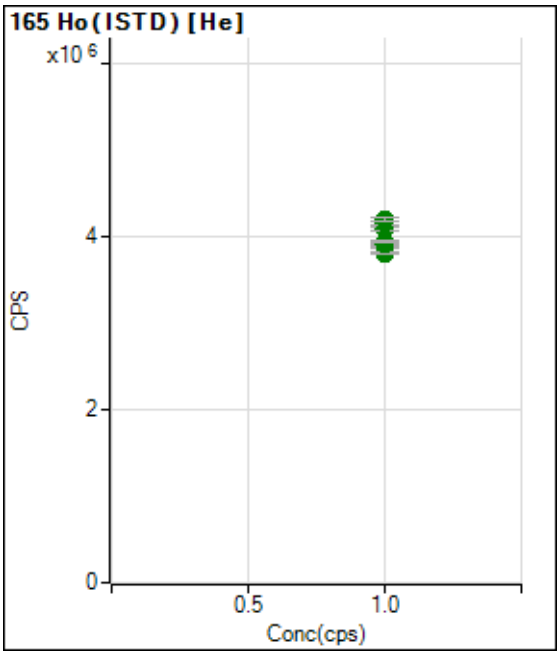


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1	☐	1.000		3836604.21		A	0.2
2	☐	1.000		3847976.85		A	1.5
3	☐	1.000		3903782.06		A	0.3
4	☐	1.000		3800464.77		A	0.9
5	☐	1.000		3944935.01		A	0.7
6	☐	1.000		4073826.54		A	0.8
7	☐	1.000		4171923.89		A	0.7
8	☐	1.000		4164337.99		A	0.9

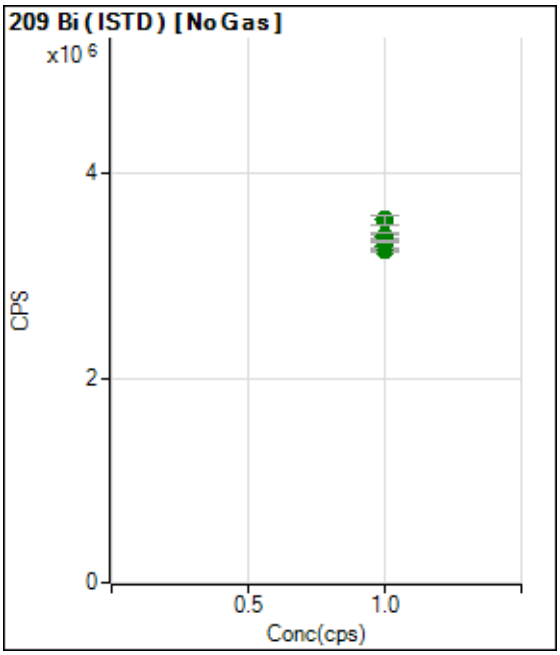


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5492844.50		A	1.4
2	☐	1.000		5460869.43		A	0.7
3	☐	1.000		5493219.43		A	1.3
4	☐	1.000		5581538.18		A	1.0
5	☐	1.000		5721575.13		A	1.8
6	☐	1.000		5631705.75		A	2.4
7	☐	1.000		5988825.54		A	1.3
8	☐	1.000		6075632.13		A	0.1

Reviewed By:Mohan
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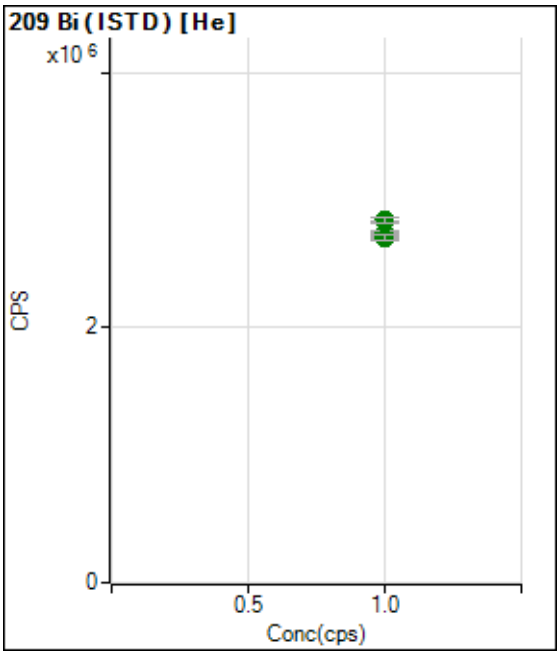


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3870271.89		A	0.4
2	☐	1.000		3807065.40		A	0.6
3	☐	1.000		3927263.90		A	0.9
4	☐	1.000		3912909.42		A	1.3
5	☐	1.000		3943696.23		A	0.6
6	☐	1.000		4086223.86		A	0.9
7	☐	1.000		4164712.61		A	1.3
8	☐	1.000		4197202.33		A	1.1



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3260622.90		A	1.0
2	☐	1.000		3247643.18		A	0.6
3	☐	1.000		3294525.64		A	1.5
4	☐	1.000		3373444.81		A	1.6
5	☐	1.000		3379285.99		A	1.1
6	☐	1.000		3375817.38		A	2.7
7	☐	1.000		3546468.80		A	2.5
8	☐	1.000		3333180.47		A	0.6

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Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2729903.07		A	0.9
2	☐	1.000		2702900.01		A	0.3
3	☐	1.000		2711632.20		A	2.1
4	☐	1.000		2747149.30		A	1.5
5	☐	1.000		2751749.33		A	1.0
6	☐	1.000		2834230.09		A	0.2
7	☐	1.000		2847356.97		A	1.5
8	☐	1.000		2704741.97		A	1.4

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7
ClientSampleId :TUNE006

US EPA Tune Check Report

Operator Name	Jaswal
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\P7102924 MS.b
Acq. Date-Time	2024-10-29 17:38:47
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		4673	46728.70			1.438	5.000
24		161031	1610314.63			1.647	5.000
25		21990	219896.45			1.539	5.000
26		26247	262467.98			2.090	5.000
59		44586	445858.69			2.008	5.000
113		3138	31378.06			2.085	5.000
115		70726	707263.05			2.096	5.000
206		11791	117905.32			2.122	5.000
207		9809	98085.49			1.792	5.000
208		23901	239011.79			1.937	5.000
220		1	11.50			13.401	

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	4696	4708	4564	4738	4659
24	161088	160172	157059	163740	163099
25	21953	22017	21442	22297	22239
26	26271	26291	25362	26862	26448
59	44888	44606	43085	45466	44884
113	3207	3150	3034	3173	3124
115	72134	71312	68520	71721	69945
206	12049	11875	11404	11926	11699
207	9953	9879	9539	9945	9727
208	24290	24204	23152	24090	23769

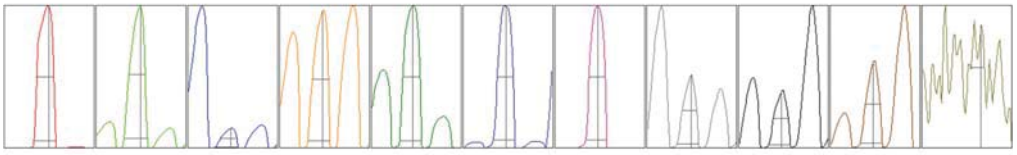
Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7
ClientSampleId :TUNE006

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	1	1

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	8526.44	9.00	8.90 - 9.10	
24	308368.66	24.00	23.90 - 24.10	
25	41347.02	24.95	24.90 - 25.10	
26	49250.83	25.95	25.90 - 26.10	
59	79733.18	58.90	58.90 - 59.10	
113	6055.18	112.95	112.90 - 113.10	
115	135710.38	114.95	114.90 - 115.10	
206	25103.14	206.00	205.90 - 206.10	
207	20150.00	206.95	206.90 - 207.10	
208	49877.89	207.95	207.90 - 208.10	
220	1.45	220.50	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.58	0.733	0.900	
24	0.56	0.786	0.900	
25	0.55	0.737	0.900	
26	0.55	0.739	0.900	
59	0.60	0.738	0.900	
113	0.53	0.735	0.900	
115	0.54	0.719	0.900	
206	0.49	0.724	0.900	
207	0.50	0.730	0.900	
208	0.49	0.736	0.900	
220	0.44			

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

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7
ClientSampleId :TUNE006

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	10.3 V	Deflect	15.2 V
Extract 2	-250.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-110 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	200 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		17017	170165.36			0.582	
89		84104	841038.59			0.617	
205		17107	171074.94			0.627	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	17123	17020	16970	17093	16876
89	84067	84319	83838	83457	84838
205	17084	17245	16960	17170	17079

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	10.1 V	Deflect	4.0 V

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7
ClientSampleId :TUNE006

US EPA Tune Check Report

Extract 2	-245.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-105 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

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:13:02	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.15	-0.10	-0.06	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.01	0.00	0.00	0.00	N/A	ppb
Barium	135-1	0.00	0.00	0.00	0.00	N/A	ppb
Barium	137-1	0.01	-0.01	0.01	0.00	N/A	ppb
Beryllium	9-1	0.01	-0.01	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	-0.07	0.10	-0.04	0.00	N/A	ppb
Cadmium	106-1	-0.54	0.64	-0.10	0.00	N/A	ppb
Cadmium	111-1	-0.04	0.04	0.00	0.00	N/A	ppb
Calcium	43-1	-0.49	3.07	-2.59	0.00	N/A	ppb
Calcium	44-1	3.12	-2.23	-0.89	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	0.02	-0.01	0.00	N/A	ppb
Cobalt	59-2	0.00	0.01	0.00	0.00	N/A	ppb
Copper	63-2	0.01	0.00	-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	0.05	-0.07	0.02	0.00	N/A	ppb
Iron	57-2	-2.06	1.12	0.94	0.00	N/A	ppb
Iron	54-2	-0.15	0.47	-0.32	0.00	N/A	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:13:02	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.00	0.01	-0.01	0.00	N/A	ppb
Lead	207-1	0.00	-0.01	0.01	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	0.15	-0.08	-0.07	0.00	N/A	ppb
Manganese	55-2	-0.03	0.01	0.01	0.00	N/A	ppb
Molybdenum	94-1	0.01	0.00	-0.01	0.00	N/A	ppb
Molybdenum	95-1	0.00	-0.01	0.01	0.00	N/A	ppb
Molybdenum	96-1	0.00	0.01	-0.01	0.00	N/A	ppb
Molybdenum	97-1	0.00	-0.01	0.01	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	-0.01	0.00	0.01	0.00	N/A	ppb
Phosphorus	31-2	-10.67	-12.61	-13.15	-12.15		ppb
Potassium	39-2	1.14	0.24	-1.39	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.15	-0.48	0.33	0.00	N/A	ppb
Selenium	77-2	0.12	-0.24	0.12	0.00	N/A	ppb
Selenium	78-2	-0.61	0.81	-0.20	0.00	N/A	ppb
Silicon	28-1	1.22	-0.60	-0.62	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	0.34	0.54	-0.89	0.00	N/A	ppb
Strontium	86-1	0.04	-0.03	-0.01	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	302.87	-85.40	-179.74	12.58	2033.66	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	-0.02	0.01	0.01	0.00	N/A	ppb
Titanium	47-1	-0.01	0.02	-0.01	0.00	N/A	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:13:02	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	-0.03	0.02	0.01	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	N/A	ppb
Zirconium	91-1	0.00	0.00	0.00	0.00	N/A	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:19:37	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.17	17.17	18.90	18.41	5.90	ppb
Antimony	121-1	1.90	1.93	1.84	1.89	2.47	ppb
Arsenic	75-2	0.77	1.06	1.06	0.97	17.24	ppb
Barium	135-1	9.07	8.97	8.69	8.91	2.19	ppb
Barium	137-1	8.95	8.84	8.66	8.82	1.66	ppb
Beryllium	9-1	0.92	1.04	1.00	0.99	6.31	ppb
Bismuth	209-1				100		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.74	0.98	1.05	0.92	17.52	ppb
Cadmium	106-1	1.38	0.72	0.35	0.81	64.12	ppb
Cadmium	111-1	0.97	1.06	1.06	1.03	4.87	ppb
Calcium	43-1	494.11	508.84	495.85	499.60	1.61	ppb
Calcium	44-1	492.02	505.97	499.14	499.04	1.40	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.05	1.98	1.93	1.98	2.94	ppb
Cobalt	59-2	1.03	0.98	0.99	1.00	2.83	ppb
Copper	63-2	1.77	1.94	1.86	1.86	4.72	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				99		%
Holmium	165-2				98		%
Indium	115-1				101		%
Indium	115-2				98		%
Iron	56-2	51.43	51.88	52.10	51.80	0.66	ppb
Iron	57-2	51.69	60.69	54.91	55.76	8.18	ppb
Iron	54-2	51.70	53.35	53.21	52.75	1.74	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:19:37	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.81	0.79	0.82	0.81	1.70	ppb
Lead	207-1	0.75	0.80	0.83	0.79	4.85	ppb
Lead	208-1	0.77	0.81	0.83	0.81	3.73	ppb
Lithium	6-1				101		%
Magnesium	24-2	524.02	527.01	522.27	524.44	0.46	ppb
Manganese	55-2	0.96	0.99	0.96	0.97	1.80	ppb
Molybdenum	94-1	4.90	5.19	5.01	5.03	2.94	ppb
Molybdenum	95-1	3.98	4.18	4.37	4.18	4.61	ppb
Molybdenum	96-1	4.20	4.30	4.38	4.29	2.09	ppb
Molybdenum	97-1	4.35	4.12	4.26	4.24	2.63	ppb
Molybdenum	98-1	4.09	4.31	4.25	4.22	2.69	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.18	1.04	1.15	1.12	6.69	ppb
Phosphorus	31-2	9.96	5.53	20.95	12.15	65.35	ppb
Potassium	39-2	499.89	502.69	496.33	499.63	0.64	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				100		%
Scandium	45-2				99		%
Selenium	82-1	5.03	4.85	5.52	5.14	6.77	ppb
Selenium	77-2	3.47	3.73	4.82	4.00	17.86	ppb
Selenium	78-2	5.91	6.50	4.55	5.65	17.62	ppb
Silicon	28-1	2.11	2.13	1.23	1.82	28.25	ppb
Silver	107-1	0.87	0.88	0.86	0.87	0.73	ppb
Silver	109-1	0.88	0.92	0.90	0.90	1.74	ppb
Sodium	23-2	506.36	503.40	500.81	503.53	0.55	ppb
Strontium	86-1	0.91	0.90	0.95	0.92	2.93	ppb
Strontium	88-1	0.91	0.93	0.97	0.94	3.21	ppb
Sulfur	34-1	63.85	40.84	-142.43	-12.58		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.84	0.87	0.86	0.85	1.91	ppb
Thallium	205-1	0.79	0.83	0.86	0.83	4.24	ppb
Tin	118-1	4.43	4.41	4.32	4.39	1.29	ppb
Titanium	47-1	4.23	4.38	4.25	4.28	1.85	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:19:37	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.80	0.75	0.80	0.78	3.36	ppb
Vanadium	51-2	4.94	4.98	4.90	4.94	0.85	ppb
Yttrium	89-1				99		%
Yttrium	89-2				98		%
Zinc	66-2	4.24	4.44	4.80	4.49	6.34	ppb
Zirconium	90-1	0.91	0.92	0.95	0.93	1.90	ppb
Zirconium	91-1	0.92	0.90	0.94	0.92	2.22	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:22:54	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1004.54	1006.70	1005.96	1005.73	0.11	ppb
Antimony	121-1	47.10	49.15	49.10	48.45	2.41	ppb
Arsenic	75-2	51.38	50.99	49.45	50.61	2.02	ppb
Barium	135-1	232.51	240.63	240.60	237.91	1.97	ppb
Barium	137-1	234.27	241.69	240.33	238.76	1.66	ppb
Beryllium	9-1	52.27	52.43	52.31	52.33	0.16	ppb
Bismuth	209-1				101		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	51.13	50.50	53.53	51.72	3.09	ppb
Cadmium	106-1	52.27	51.60	53.97	52.61	2.33	ppb
Cadmium	111-1	51.83	53.54	52.77	52.71	1.63	ppb
Calcium	43-1	5782.89	5858.27	5947.64	5862.94	1.41	ppb
Calcium	44-1	5335.07	5447.86	5400.63	5394.52	1.05	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	51.37	51.35	50.27	50.99	1.24	ppb
Cobalt	59-2	50.78	50.49	50.51	50.59	0.31	ppb
Copper	63-2	518.25	519.97	509.17	515.80	1.13	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				100		%
Indium	115-2				98		%
Iron	56-2	2645.55	2629.39	2608.89	2627.94	0.70	ppb
Iron	57-2	2690.12	2659.95	2655.17	2668.41	0.71	ppb
Iron	54-2	2767.80	2741.86	2733.81	2747.82	0.65	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:22:54	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	220.78	215.80	221.93	219.50	1.48	ppb
Lead	207-1	216.24	213.03	219.68	216.32	1.54	ppb
Lead	208-1	233.63	233.77	236.87	234.75	0.78	ppb
Lithium	6-1				100		%
Magnesium	24-2	5089.22	5072.09	4915.87	5025.73	1.90	ppb
Manganese	55-2	506.84	505.36	506.14	506.11	0.15	ppb
Molybdenum	94-1	489.23	491.89	498.03	493.05	0.92	ppb
Molybdenum	95-1	507.80	502.12	505.22	505.05	0.56	ppb
Molybdenum	96-1	501.49	499.16	509.31	503.32	1.06	ppb
Molybdenum	97-1	487.25	479.74	501.58	489.52	2.27	ppb
Molybdenum	98-1	509.03	497.02	509.68	505.24	1.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	52.55	51.48	52.01	52.01	1.02	ppb
Phosphorus	31-2	980.47	989.94	1005.13	991.85	1.25	ppb
Potassium	39-2	2660.63	2644.89	2632.14	2645.89	0.54	ppb
Rhodium	103-1				98		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	51.21	51.74	53.62	52.19	2.42	ppb
Selenium	77-2	50.45	53.48	46.59	50.17	6.88	ppb
Selenium	78-2	52.55	52.84	51.36	52.25	1.50	ppb
Silicon	28-1	52.47	54.10	54.67	53.75	2.13	ppb
Silver	107-1	48.80	50.31	50.69	49.94	2.00	ppb
Silver	109-1	48.52	50.90	49.91	49.78	2.40	ppb
Sodium	23-2	5121.30	5089.46	5101.07	5103.94	0.32	ppb
Strontium	86-1	1266.73	1265.37	1278.43	1270.17	0.57	ppb
Strontium	88-1	1256.03	1263.73	1274.94	1264.90	0.75	ppb
Sulfur	34-1	934.41	1036.92	863.94	945.09	9.20	ppb
Terbium	159-1				100		%
Terbium	159-2				102		%
Thallium	203-1	43.55	42.97	44.11	43.54	1.31	ppb
Thallium	205-1	43.86	42.98	43.89	43.58	1.19	ppb
Tin	118-1	47.64	49.73	49.20	48.86	2.23	ppb
Titanium	47-1	495.96	505.73	503.79	501.82	1.03	ppb

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:22:54	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	42.06	41.36	42.64	42.02	1.52	ppb
Vanadium	51-2	51.05	50.27	50.61	50.64	0.77	ppb
Yttrium	89-1				99		%
Yttrium	89-2				99		%
Zinc	66-2	499.12	500.93	499.41	499.82	0.19	ppb
Zirconium	90-1	49.76	48.81	50.28	49.61	1.50	ppb
Zirconium	91-1	49.29	48.60	49.81	49.23	1.23	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:26:02	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2508.01	2453.36	2495.09	2485.48	1.15	ppb
Antimony	121-1	120.19	121.33	121.96	121.16	0.74	ppb
Arsenic	75-2	122.71	123.83	123.09	123.21	0.46	ppb
Barium	135-1	594.05	592.29	592.74	593.03	0.15	ppb
Barium	137-1	585.52	596.45	593.44	591.81	0.95	ppb
Beryllium	9-1	128.03	125.33	129.49	127.62	1.66	ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	127.30	127.50	131.88	128.89	2.01	ppb
Cadmium	106-1	130.39	130.07	131.52	130.66	0.58	ppb
Cadmium	111-1	128.94	129.91	130.90	129.92	0.75	ppb
Calcium	43-1	14247.30	14523.66	14789.53	14520.16	1.87	ppb
Calcium	44-1	13060.84	13354.97	13463.78	13293.19	1.57	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	128.51	127.47	126.04	127.34	0.97	ppb
Cobalt	59-2	124.71	125.62	124.71	125.01	0.42	ppb
Copper	63-2	1319.40	1308.67	1316.37	1314.81	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				102		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	6653.76	6482.17	6588.84	6574.93	1.32	ppb
Iron	57-2	6778.70	6717.14	6754.67	6750.17	0.46	ppb
Iron	54-2	6776.32	6759.30	6798.84	6778.15	0.29	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:26:02	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	620.18	610.87	618.31	616.45	0.80	ppb
Lead	207-1	617.42	611.47	614.66	614.52	0.48	ppb
Lead	208-1	623.18	610.21	617.58	616.99	1.05	ppb
Lithium	6-1				102		%
Magnesium	24-2	12425.89	12544.66	12425.64	12465.40	0.55	ppb
Manganese	55-2	1282.53	1262.34	1305.21	1283.36	1.67	ppb
Molybdenum	94-1	1232.28	1249.01	1246.25	1242.51	0.72	ppb
Molybdenum	95-1	1226.90	1247.11	1245.63	1239.88	0.91	ppb
Molybdenum	96-1	1231.55	1250.17	1246.28	1242.67	0.79	ppb
Molybdenum	97-1	1230.30	1252.51	1232.56	1238.46	0.99	ppb
Molybdenum	98-1	1237.63	1238.00	1246.92	1240.85	0.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	132.18	128.96	131.35	130.83	1.28	ppb
Phosphorus	31-2	2531.62	2569.18	2598.57	2566.46	1.31	ppb
Potassium	39-2	6265.99	6275.42	6165.07	6235.49	0.98	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	127.10	128.30	129.06	128.15	0.77	ppb
Selenium	77-2	115.64	129.73	147.48	130.95	12.18	ppb
Selenium	78-2	125.67	133.37	125.17	128.07	3.59	ppb
Silicon	28-1	133.95	136.80	144.47	138.40	3.93	ppb
Silver	107-1	123.33	124.21	123.86	123.80	0.36	ppb
Silver	109-1	122.98	123.81	122.30	123.03	0.62	ppb
Sodium	23-2	12612.91	12632.38	12559.55	12601.61	0.30	ppb
Strontium	86-1	3130.67	3124.47	3136.14	3130.43	0.19	ppb
Strontium	88-1	3081.90	3106.41	3111.22	3099.84	0.51	ppb
Sulfur	34-1	2289.33	2169.39	2309.99	2256.23	3.36	ppb
Terbium	159-1				101		%
Terbium	159-2				99		%
Thallium	203-1	107.12	106.59	107.34	107.02	0.36	ppb
Thallium	205-1	107.43	106.86	106.53	106.94	0.43	ppb
Tin	118-1	119.80	121.40	119.97	120.39	0.73	ppb
Titanium	47-1	1219.09	1241.52	1248.56	1236.39	1.24	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:26:02	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	102.80	102.70	103.67	103.06	0.52	ppb
Vanadium	51-2	128.24	126.72	128.18	127.71	0.67	ppb
Yttrium	89-1				101		%
Yttrium	89-2				101		%
Zinc	66-2	1258.42	1254.07	1238.73	1250.41	0.83	ppb
Zirconium	90-1	121.15	122.43	122.76	122.11	0.70	ppb
Zirconium	91-1	121.13	122.28	122.48	121.96	0.60	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:29:01	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4986.78	4981.69	4908.94	4959.14	0.88	ppb
Antimony	121-1	232.77	239.64	243.48	238.63	2.27	ppb
Arsenic	75-2	254.88	251.01	254.04	253.31	0.80	ppb
Barium	135-1	1244.12	1246.83	1283.87	1258.27	1.77	ppb
Barium	137-1	1242.45	1254.52	1290.92	1262.63	2.00	ppb
Beryllium	9-1	255.68	252.34	259.94	255.99	1.49	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	254.28	252.75	259.57	255.53	1.40	ppb
Cadmium	106-1	251.18	250.38	257.27	252.95	1.49	ppb
Cadmium	111-1	250.12	256.13	260.38	255.55	2.02	ppb
Calcium	43-1	28891.39	28620.84	29222.75	28911.66	1.04	ppb
Calcium	44-1	26036.12	26476.15	26862.19	26458.15	1.56	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	251.79	250.97	251.31	251.36	0.16	ppb
Cobalt	59-2	250.64	250.22	248.54	249.80	0.45	ppb
Copper	63-2	2549.95	2578.93	2511.95	2546.94	1.32	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				104		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	56-2	13064.34	13054.39	12989.77	13036.17	0.31	ppb
Iron	57-2	13268.31	13243.33	13137.02	13216.22	0.53	ppb
Iron	54-2	13184.37	13475.47	13194.89	13284.91	1.24	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:29:01	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1243.54	1238.30	1263.15	1248.33	1.05	ppb
Lead	207-1	1237.22	1230.93	1266.95	1245.03	1.54	ppb
Lead	208-1	1230.32	1234.51	1264.32	1243.05	1.49	ppb
Lithium	6-1				103		%
Magnesium	24-2	25249.55	24601.76	24735.09	24862.14	1.38	ppb
Manganese	55-2	2524.29	2533.70	2502.76	2520.25	0.63	ppb
Molybdenum	94-1	2430.44	2547.50	2484.55	2487.50	2.36	ppb
Molybdenum	95-1	2419.88	2489.71	2502.57	2470.72	1.80	ppb
Molybdenum	96-1	2421.70	2539.14	2497.92	2486.25	2.40	ppb
Molybdenum	97-1	2412.02	2519.42	2460.54	2463.99	2.18	ppb
Molybdenum	98-1	2454.43	2516.42	2496.45	2489.10	1.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	257.39	261.40	255.11	257.96	1.23	ppb
Phosphorus	31-2	5098.73	5077.78	5042.30	5072.93	0.56	ppb
Potassium	39-2	12570.88	12201.43	12356.11	12376.14	1.50	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	248.61	258.80	254.79	254.07	2.02	ppb
Selenium	77-2	247.70	280.72	266.05	264.82	6.25	ppb
Selenium	78-2	254.31	253.40	256.05	254.59	0.53	ppb
Silicon	28-1	262.67	257.04	269.26	262.99	2.32	ppb
Silver	107-1	250.22	254.74	261.81	255.59	2.28	ppb
Silver	109-1	251.75	257.15	262.16	257.02	2.02	ppb
Sodium	23-2	25729.75	25422.61	25135.07	25429.14	1.17	ppb
Strontium	86-1	6212.26	6376.96	6288.13	6292.45	1.31	ppb
Strontium	88-1	6121.34	6309.63	6295.50	6242.16	1.68	ppb
Sulfur	34-1	4695.83	4339.44	4762.09	4599.12	4.94	ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	211.42	215.29	220.27	215.66	2.06	ppb
Thallium	205-1	248.02	251.71	251.24	250.33	0.80	ppb
Tin	118-1	234.11	238.51	244.28	238.97	2.13	ppb
Titanium	47-1	2460.67	2458.36	2501.51	2473.51	0.98	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:29:01	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	240.62	243.79	247.98	244.13	1.51	ppb
Vanadium	51-2	254.06	252.92	252.97	253.31	0.26	ppb
Yttrium	89-1				102		%
Yttrium	89-2				99		%
Zinc	66-2	2471.00	2473.83	2452.06	2465.63	0.48	ppb
Zirconium	90-1	244.69	251.30	247.84	247.94	1.33	ppb
Zirconium	91-1	238.17	247.34	244.04	243.19	1.91	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:31:54	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9769.74	9735.42	9677.38	9727.51	0.48	ppb
Antimony	121-1	503.12	527.56	520.53	517.07	2.43	ppb
Arsenic	75-2	496.69	500.87	495.88	497.81	0.54	ppb
Barium	135-1	2518.75	2642.34	2582.86	2581.32	2.39	ppb
Barium	137-1	2487.65	2635.49	2505.71	2542.95	3.17	ppb
Beryllium	9-1	489.26	521.71	501.92	504.30	3.24	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	499.80	521.52	503.05	508.12	2.31	ppb
Cadmium	106-1	502.94	522.95	513.87	513.25	1.95	ppb
Cadmium	111-1	503.41	532.37	512.40	516.06	2.87	ppb
Calcium	43-1	58534.12	60982.46	60484.33	60000.30	2.16	ppb
Calcium	44-1	52872.03	55720.60	55447.00	54679.88	2.87	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	493.14	497.32	498.47	496.31	0.56	ppb
Cobalt	59-2	506.92	502.93	502.74	504.20	0.47	ppb
Copper	63-2	5024.46	5090.88	5034.63	5049.99	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				106		%
Indium	115-1				100		%
Indium	115-2				101		%
Iron	56-2	25976.48	25848.10	25768.39	25864.32	0.41	ppb
Iron	57-2	25595.81	25843.36	25241.04	25560.07	1.18	ppb
Iron	54-2	26332.82	26320.78	26292.30	26315.30	0.08	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:31:54	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2445.40	2680.13	2559.87	2561.80	4.58	ppb
Lead	207-1	2433.49	2603.65	2546.36	2527.83	3.43	ppb
Lead	208-1	2429.20	2622.84	2555.45	2535.83	3.88	ppb
Lithium	6-1				106		%
Magnesium	24-2	49474.94	49543.24	49554.66	49524.28	0.09	ppb
Manganese	55-2	4959.01	5011.68	5050.85	5007.18	0.92	ppb
Molybdenum	94-1	4913.13	5226.17	5126.25	5088.52	3.14	ppb
Molybdenum	95-1	4926.27	5250.77	5118.64	5098.56	3.20	ppb
Molybdenum	96-1	4934.03	5249.72	5150.58	5111.44	3.16	ppb
Molybdenum	97-1	4866.47	5222.56	5171.43	5086.82	3.78	ppb
Molybdenum	98-1	4917.05	5260.54	5213.06	5130.22	3.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	503.06	507.22	506.38	505.55	0.44	ppb
Phosphorus	31-2	9923.53	9772.88	10040.05	9912.15	1.35	ppb
Potassium	39-2	24576.15	24484.59	24779.65	24613.46	0.61	ppb
Rhodium	103-1				98		%
Rhodium	103-2				101		%
Scandium	45-1				99		%
Scandium	45-2				102		%
Selenium	82-1	495.96	528.31	513.23	512.50	3.16	ppb
Selenium	77-2	464.43	501.17	483.28	482.96	3.80	ppb
Selenium	78-2	504.40	491.43	507.81	501.21	1.72	ppb
Silicon	28-1	516.94	536.94	546.87	533.58	2.86	ppb
Silver	107-1	504.26	521.19	513.49	512.98	1.65	ppb
Silver	109-1	506.42	531.56	510.11	516.03	2.63	ppb
Sodium	23-2	50037.06	50407.71	50690.40	50378.39	0.65	ppb
Strontium	86-1	12339.15	12992.97	12936.26	12756.13	2.84	ppb
Strontium	88-1	12210.91	13003.76	12973.38	12729.35	3.53	ppb
Sulfur	34-1	10124.29	10647.79	10457.93	10410.00	2.55	ppb
Terbium	159-1				104		%
Terbium	159-2				106		%
Thallium	203-1	490.07	531.64	518.97	513.56	4.15	ppb
Thallium	205-1	486.98	530.37	509.40	508.91	4.26	ppb
Tin	118-1	516.07	527.83	526.74	523.54	1.24	ppb
Titanium	47-1	5015.31	5249.96	5225.69	5163.65	2.50	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:31:54	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	486.43	521.11	504.97	504.17	3.44	ppb
Vanadium	51-2	503.96	503.39	494.00	500.45	1.12	ppb
Yttrium	89-1				101		%
Yttrium	89-2				102		%
Zinc	66-2	4982.62	5060.70	5004.39	5015.90	0.80	ppb
Zirconium	90-1	492.96	526.23	516.78	511.99	3.35	ppb
Zirconium	91-1	485.17	513.90	505.47	501.51	2.94	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:34:39	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19402.58	19395.35	19710.83	19502.92	0.92	ppb
Antimony	121-1	1002.61	993.16	988.83	994.87	0.71	ppb
Arsenic	75-2	987.26	995.53	1018.58	1000.46	1.62	ppb
Barium	135-1	4939.72	4961.66	4984.25	4961.88	0.45	ppb
Barium	137-1	4950.93	5015.12	4974.19	4980.08	0.65	ppb
Beryllium	9-1	1006.97	989.20	991.56	995.91	0.97	ppb
Bismuth	209-1				109		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	992.57	988.49	1000.89	993.98	0.64	ppb
Cadmium	106-1	998.16	995.03	982.21	991.80	0.85	ppb
Cadmium	111-1	994.44	986.48	988.59	989.83	0.42	ppb
Calcium	43-1	113432.38	115335.02	113923.33	114230.24	0.86	ppb
Calcium	44-1	105460.06	106478.08	106868.04	106268.73	0.68	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1000.07	999.73	1003.70	1001.16	0.22	ppb
Cobalt	59-2	996.12	991.61	1006.03	997.92	0.74	ppb
Copper	63-2	9918.60	9919.17	10025.36	9954.38	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				109		%
Holmium	165-2				108		%
Indium	115-1				104		%
Indium	115-2				99		%
Iron	56-2	51142.74	51505.69	52196.40	51614.94	1.04	ppb
Iron	57-2	51251.72	51227.11	52000.78	51493.20	0.85	ppb
Iron	54-2	51721.99	51602.43	52107.80	51810.74	0.51	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:34:39	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5026.73	4923.00	4966.61	4972.11	1.05	ppb
Lead	207-1	5056.56	4960.91	4953.49	4990.32	1.15	ppb
Lead	208-1	5049.68	4951.15	4955.93	4985.59	1.11	ppb
Lithium	6-1				114		%
Magnesium	24-2	99049.32	97362.22	99408.70	98606.75	1.11	ppb
Manganese	55-2	9918.21	10008.41	10034.00	9986.87	0.61	ppb
Molybdenum	94-1	10051.02	9849.03	9980.41	9960.15	1.03	ppb
Molybdenum	95-1	10096.58	9797.00	9983.58	9959.05	1.52	ppb
Molybdenum	96-1	10128.39	9683.42	10033.59	9948.47	2.36	ppb
Molybdenum	97-1	10093.85	9755.62	10053.21	9967.56	1.85	ppb
Molybdenum	98-1	10015.92	9852.63	9946.94	9938.50	0.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	993.20	986.66	1003.35	994.40	0.85	ppb
Phosphorus	31-2	19969.32	19870.52	20213.53	20017.79	0.88	ppb
Potassium	39-2	48996.12	49089.48	49941.20	49342.27	1.06	ppb
Rhodium	103-1				102		%
Rhodium	103-2				101		%
Scandium	45-1				105		%
Scandium	45-2				104		%
Selenium	82-1	1012.20	974.21	990.28	992.23	1.92	ppb
Selenium	77-2	968.52	1025.44	1018.24	1004.07	3.09	ppb
Selenium	78-2	982.16	986.49	1024.60	997.75	2.34	ppb
Silicon	28-1	973.49	990.82	970.23	978.18	1.13	ppb
Silver	107-1	1005.70	975.67	995.42	992.27	1.54	ppb
Silver	109-1	974.12	990.63	1006.71	990.49	1.65	ppb
Sodium	23-2	100475.40	99787.62	101092.30	100451.77	0.65	ppb
Strontium	86-1	25336.17	24336.72	24906.03	24859.64	2.02	ppb
Strontium	88-1	25266.96	24283.79	25118.30	24889.69	2.13	ppb
Sulfur	34-1	19584.03	20279.25	19922.03	19928.44	1.74	ppb
Terbium	159-1				110		%
Terbium	159-2				109		%
Thallium	203-1	1022.90	982.44	1007.79	1004.38	2.04	ppb
Thallium	205-1	1013.95	978.86	1001.31	998.04	1.78	ppb
Tin	118-1	990.82	994.58	989.47	991.62	0.27	ppb
Titanium	47-1	9814.19	10005.56	9959.47	9926.41	1.01	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:34:39	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1015.90	987.49	1004.18	1002.52	1.42	ppb
Vanadium	51-2	989.06	1001.82	1004.84	998.57	0.84	ppb
Yttrium	89-1				107		%
Yttrium	89-2				103		%
Zinc	66-2	10006.08	9965.06	10030.65	10000.60	0.33	ppb
Zirconium	90-1	1004.99	983.15	996.56	994.90	1.11	ppb
Zirconium	91-1	1006.43	999.58	998.09	1001.37	0.44	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:37:25	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	99796.21	100223.73	100367.10	100129.01	0.30	ppb
Antimony	121-1	0.79	0.79	0.73	0.77	4.90	ppb
Arsenic	75-2	0.75	0.64	0.60	0.66	11.44	ppb
Barium	135-1	1.96	1.95	1.95	1.96	0.23	ppb
Barium	137-1	2.10	2.04	1.96	2.03	3.50	ppb
Beryllium	9-1	0.13	0.17	0.14	0.15	14.11	ppb
Bismuth	209-1				102		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.72	0.47	0.37	0.52	34.54	ppb
Cadmium	106-1	0.32	1.24	0.23	0.60	93.27	ppb
Cadmium	111-1	0.16	0.21	0.16	0.18	15.63	ppb
Calcium	43-1	481450.01	500826.04	505421.57	495899.20	2.57	ppb
Calcium	44-1	491747.93	498314.58	504482.24	498181.58	1.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.01	3.09	3.08	3.06	1.32	ppb
Cobalt	59-2	2.62	2.57	2.61	2.60	1.12	ppb
Copper	63-2	2.11	2.20	2.18	2.16	2.25	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				111		%
Holmium	165-2				108		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	56-2	248759.65	250451.25	249452.20	249554.37	0.34	ppb
Iron	57-2	248780.88	250605.62	249399.55	249595.35	0.37	ppb
Iron	54-2	247692.82	251453.31	249208.05	249451.39	0.76	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:37:25	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.08	1.00	1.09	1.06	4.70	ppb
Lead	207-1	1.05	1.01	1.01	1.02	2.58	ppb
Lead	208-1	1.08	1.03	1.04	1.05	2.46	ppb
Lithium	6-1				118		%
Magnesium	24-2	495250.08	503275.48	502475.53	500333.70	0.88	ppb
Manganese	55-2	5.20	5.04	5.04	5.09	1.79	ppb
Molybdenum	94-1	2.45	2.27	2.21	2.31	5.47	ppb
Molybdenum	95-1	1.51	1.45	1.39	1.45	4.08	ppb
Molybdenum	96-1	2.95	2.80	2.91	2.89	2.76	ppb
Molybdenum	97-1	1.45	1.43	1.44	1.44	0.97	ppb
Molybdenum	98-1	1.40	1.39	1.35	1.38	2.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.62	4.85	4.67	4.71	2.60	ppb
Phosphorus	31-2	-7.89	-6.08	-1.72	-5.23		ppb
Potassium	39-2	247862.91	250115.25	252547.73	250175.30	0.94	ppb
Rhodium	103-1				97		%
Rhodium	103-2				99		%
Scandium	45-1				107		%
Scandium	45-2				107		%
Selenium	82-1	1.81	1.74	0.49	1.35	55.03	ppb
Selenium	77-2	0.10	-0.24	0.46	0.11	320.75	ppb
Selenium	78-2	-2.27	-2.12	0.30	-1.37		ppb
Silicon	28-1	3.94	3.78	2.53	3.42	22.62	ppb
Silver	107-1	0.13	0.12	0.10	0.12	10.62	ppb
Silver	109-1	0.11	0.12	0.09	0.11	14.79	ppb
Sodium	23-2	500926.73	500721.71	497891.86	499846.77	0.34	ppb
Strontium	86-1	4.15	3.89	3.92	3.99	3.50	ppb
Strontium	88-1	4.11	3.98	3.94	4.01	2.27	ppb
Sulfur	34-1	-476.31	-129.11	-249.09	-284.84		ppb
Terbium	159-1				110		%
Terbium	159-2				109		%
Thallium	203-1	0.15	0.13	0.11	0.13	16.87	ppb
Thallium	205-1	0.14	0.12	0.11	0.12	10.49	ppb
Tin	118-1	0.47	0.45	0.47	0.46	2.55	ppb
Titanium	47-1	1.28	1.43	1.32	1.34	5.90	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:37:25	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.06	0.05	0.05	0.05	9.68	ppb
Vanadium	51-2	0.22	0.20	0.25	0.22	11.67	ppb
Yttrium	89-1				106		%
Yttrium	89-2				104		%
Zinc	66-2	8.83	8.58	9.50	8.97	5.34	ppb
Zirconium	90-1	0.54	0.52	0.53	0.53	1.80	ppb
Zirconium	91-1	0.56	0.57	0.52	0.55	4.30	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICV006	Instrumnet Name :	P7
Client Sample ID :	ICV006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:42:33	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	499.49	459.27	485.42	481.39	4.24	ppb
Antimony	121-1	187.76	188.51	190.75	189.01	0.82	ppb
Arsenic	75-2	213.77	194.54	205.78	204.69	4.72	ppb
Barium	135-1	91.14	91.36	92.60	91.70	0.85	ppb
Barium	137-1	90.47	91.61	91.38	91.15	0.66	ppb
Beryllium	9-1	100.80	102.86	102.91	102.19	1.18	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	91.71	94.29	93.92	93.31	1.49	ppb
Cadmium	106-1	93.24	90.00	92.68	91.97	1.88	ppb
Cadmium	111-1	101.71	103.13	103.42	102.75	0.89	ppb
Calcium	43-1	1971.38	1991.10	2033.74	1998.74	1.59	ppb
Calcium	44-1	1981.20	2027.92	2042.41	2017.18	1.59	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	107.59	96.75	103.86	102.73	5.36	ppb
Cobalt	59-2	106.48	95.74	103.85	102.02	5.49	ppb
Copper	63-2	98.85	90.29	95.44	94.86	4.54	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				102		%
Holmium	165-2				102		%
Indium	115-1				104		%
Indium	115-2				100		%
Iron	56-2	2174.68	1951.78	2081.94	2069.47	5.41	ppb
Iron	57-2	2162.61	1949.66	2130.36	2080.88	5.52	ppb
Iron	54-2	2298.74	2041.39	2232.23	2190.79	6.10	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICV006	Instrumnet Name :	P7
Client Sample ID :	ICV006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:42:33	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	192.47	192.10	195.55	193.37	0.98	ppb
Lead	207-1	182.14	182.85	185.91	183.63	1.09	ppb
Lead	208-1	186.29	186.50	189.74	187.51	1.03	ppb
Lithium	6-1				105		%
Magnesium	24-2	1292.87	1160.34	1251.15	1234.79	5.49	ppb
Manganese	55-2	106.59	93.91	101.15	100.55	6.33	ppb
Molybdenum	94-1	0.31	0.30	0.28	0.30	4.95	ppb
Molybdenum	95-1	0.10	0.09	0.07	0.09	17.58	ppb
Molybdenum	96-1	0.11	0.12	0.14	0.12	9.33	ppb
Molybdenum	97-1	0.09	0.05	0.05	0.06	35.10	ppb
Molybdenum	98-1	0.07	0.08	0.07	0.07	4.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	111.74	99.14	107.03	105.97	6.01	ppb
Phosphorus	31-2	-8.13	-17.62	-11.16	-12.30		ppb
Potassium	39-2	2145.42	1935.05	2091.07	2057.18	5.31	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				104		%
Scandium	45-2				102		%
Selenium	82-1	209.09	209.32	210.53	209.65	0.37	ppb
Selenium	77-2	213.66	193.04	225.50	210.73	7.79	ppb
Selenium	78-2	226.43	201.65	221.93	216.67	6.09	ppb
Silicon	28-1	-0.62	-0.35	-0.24	-0.40		ppb
Silver	107-1	46.91	47.43	46.87	47.07	0.66	ppb
Silver	109-1	46.69	47.33	46.94	46.99	0.68	ppb
Sodium	23-2	2219.51	1979.92	2147.47	2115.63	5.81	ppb
Strontium	86-1	0.29	0.26	0.32	0.29	11.36	ppb
Strontium	88-1	0.33	0.31	0.32	0.32	2.58	ppb
Sulfur	34-1	-347.65	-244.63	-383.83	-325.37		ppb
Terbium	159-1				104		%
Terbium	159-2				102		%
Thallium	203-1	189.56	190.70	193.09	191.12	0.94	ppb
Thallium	205-1	218.41	218.14	221.42	219.32	0.83	ppb
Tin	118-1	0.11	0.13	0.15	0.13	14.20	ppb
Titanium	47-1	0.04	0.02	0.09	0.05	76.29	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICV006	Instrumnet Name :	P7
Client Sample ID :	ICV006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:42:33	DataFile Name :	013ICV.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	104.32	93.69	101.46	99.83	5.51	ppb
Yttrium	89-1				102		%
Yttrium	89-2				101		%
Zinc	66-2	203.92	184.88	198.51	195.77	5.01	ppb
Zirconium	90-1	0.13	0.11	0.08	0.10	23.21	ppb
Zirconium	91-1	0.15	0.17	0.15	0.16	6.42	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICB006	Instrumnet Name :	P7
Client Sample ID :	ICB006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:45:49	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.14	0.02	-0.13	0.01	1235.96	ppb
Antimony	121-1	0.14	0.12	0.14	0.13	5.81	ppb
Arsenic	75-2	0.04	0.04	0.05	0.04	11.27	ppb
Barium	135-1	0.04	0.00	0.00	0.01	187.96	ppb
Barium	137-1	0.01	0.01	0.01	0.01	52.10	ppb
Beryllium	9-1	-0.01	0.01	0.05	0.02	194.87	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.07	0.07	0.07	0.07	1.71	ppb
Cadmium	106-1	0.90	0.91	1.00	0.94	6.16	ppb
Cadmium	111-1	0.08	0.08	0.08	0.08	5.30	ppb
Calcium	43-1	3.35	-1.23	0.66	0.93	247.70	ppb
Calcium	44-1	3.81	0.88	3.07	2.58	58.88	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	0.01	0.00	0.00		ppb
Cobalt	59-2	0.00	0.01	0.00	0.00	227.95	ppb
Copper	63-2	-0.07	-0.09	-0.07	-0.08		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				102		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	56-2	1.02	1.30	1.08	1.13	12.92	ppb
Iron	57-2	0.20	5.39	1.35	2.31	117.94	ppb
Iron	54-2	0.66	1.11	0.75	0.84	28.19	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICB006	Instrumnet Name :	P7
Client Sample ID :	ICB006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:45:49	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.07	0.06	0.04	0.05	25.75	ppb
Lead	207-1	0.07	0.05	0.04	0.06	24.73	ppb
Lead	208-1	0.07	0.06	0.05	0.06	21.23	ppb
Lithium	6-1				103		%
Magnesium	24-2	2.15	2.05	2.19	2.13	3.30	ppb
Manganese	55-2	0.03	0.02	0.01	0.02	54.97	ppb
Molybdenum	94-1	0.08	0.10	0.11	0.09	17.22	ppb
Molybdenum	95-1	0.02	0.02	0.02	0.02	15.48	ppb
Molybdenum	96-1	0.04	0.03	0.04	0.04	16.80	ppb
Molybdenum	97-1	0.03	0.01	0.03	0.02	46.20	ppb
Molybdenum	98-1	0.02	0.01	0.01	0.01	26.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.05	-0.04	-0.05	-0.05		ppb
Phosphorus	31-2	-16.02	-18.26	-10.48	-14.92		ppb
Potassium	39-2	3.00	3.27	5.97	4.08	40.29	ppb
Rhodium	103-1				100		%
Rhodium	103-2				102		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	82-1	0.25	-0.77	0.55	0.01	10617.04	ppb
Selenium	77-2	0.11	0.11	0.11	0.11	0.82	ppb
Selenium	78-2	-0.04	0.83	-0.50	0.10	694.55	ppb
Silicon	28-1	-0.66	-0.22	0.41	-0.15		ppb
Silver	107-1	0.04	0.03	0.02	0.03	29.15	ppb
Silver	109-1	0.03	0.03	0.02	0.03	21.70	ppb
Sodium	23-2	35.61	36.94	34.41	35.65	3.54	ppb
Strontium	86-1	-0.03	0.01	-0.03	-0.02		ppb
Strontium	88-1	0.00	-0.01	-0.01	-0.01		ppb
Sulfur	34-1	-297.75	-262.20	-99.24	-219.73		ppb
Terbium	159-1				101		%
Terbium	159-2				103		%
Thallium	203-1	0.03	0.03	0.02	0.03	11.59	ppb
Thallium	205-1	0.04	0.03	0.03	0.03	15.32	ppb
Tin	118-1	0.03	0.08	0.11	0.07	54.98	ppb
Titanium	47-1	0.00	0.02	0.03	0.01	111.02	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICB006	Instrumnet Name :	P7
Client Sample ID :	ICB006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:45:49	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	-0.01	0.00		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	128.68	ppb
Yttrium	89-1				100		%
Yttrium	89-2				102		%
Zinc	66-2	0.05	0.09	0.04	0.06	44.21	ppb
Zirconium	90-1	0.05	0.04	0.04	0.04	9.05	ppb
Zirconium	91-1	0.05	0.05	0.06	0.05	8.13	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICSA006	Instrumnet Name :	P7
Client Sample ID :	ICSA006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:49:07	DataFile Name :	015ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	90369.95	90193.70	90768.60	90444.08	0.33	ppb
Antimony	121-1	1.14	1.12	1.14	1.13	0.94	ppb
Arsenic	75-2	0.38	0.33	0.30	0.34	11.16	ppb
Barium	135-1	1.47	1.37	1.22	1.35	9.27	ppb
Barium	137-1	1.36	1.35	1.36	1.36	0.67	ppb
Beryllium	9-1	0.33	0.31	0.28	0.31	7.72	ppb
Bismuth	209-1				105		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	6.44	5.73	5.34	5.83	9.56	ppb
Cadmium	106-1	-0.08	0.29	-0.24	-0.01		ppb
Cadmium	111-1	0.29	0.29	0.30	0.29	1.96	ppb
Calcium	43-1	95583.44	100349.44	98642.26	98191.72	2.46	ppb
Calcium	44-1	96011.64	99598.91	98534.98	98048.51	1.88	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.83	19.78	19.55	19.72	0.76	ppb
Cobalt	59-2	1.24	1.23	1.25	1.24	0.85	ppb
Copper	63-2	7.13	7.06	7.08	7.09	0.48	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				107		%
Holmium	165-2				107		%
Indium	115-1				103		%
Indium	115-2				102		%
Iron	56-2	102842.49	101420.28	101522.19	101928.32	0.78	ppb
Iron	57-2	100693.91	100768.42	100005.32	100489.22	0.42	ppb
Iron	54-2	101864.90	102018.53	102289.92	102057.78	0.21	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICSA006	Instrumnet Name :	P7
Client Sample ID :	ICSA006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:49:07	DataFile Name :	015ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.16	4.28	4.35	4.26	2.24	ppb
Lead	207-1	3.50	3.87	4.02	3.80	7.02	ppb
Lead	208-1	3.82	4.05	4.16	4.01	4.22	ppb
Lithium	6-1				111		%
Magnesium	24-2	98006.17	97204.94	97010.55	97407.22	0.54	ppb
Manganese	55-2	8.71	8.76	8.47	8.65	1.77	ppb
Molybdenum	94-1	1500.31	1478.95	1514.28	1497.85	1.19	ppb
Molybdenum	95-1	1786.02	1778.77	1792.12	1785.64	0.37	ppb
Molybdenum	96-1	1737.63	1743.44	1737.80	1739.62	0.19	ppb
Molybdenum	97-1	1727.01	1762.26	1772.40	1753.89	1.36	ppb
Molybdenum	98-1	1750.81	1793.12	1771.83	1771.92	1.19	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.36	5.34	5.62	5.44	2.84	ppb
Phosphorus	31-2	102118.68	101112.30	100366.77	101199.25	0.87	ppb
Potassium	39-2	98087.13	97258.83	96652.89	97332.95	0.74	ppb
Rhodium	103-1				99		%
Rhodium	103-2				101		%
Scandium	45-1				107		%
Scandium	45-2				105		%
Selenium	82-1	0.65	0.30	0.29	0.41	48.99	ppb
Selenium	77-2	0.11	0.11	-0.24	-0.01		ppb
Selenium	78-2	-0.45	-0.48	-0.24	-0.39		ppb
Silicon	28-1	4.67	4.57	3.80	4.35	10.99	ppb
Silver	107-1	0.13	0.09	0.10	0.11	18.91	ppb
Silver	109-1	0.11	0.10	0.11	0.11	8.61	ppb
Sodium	23-2	99322.47	98105.43	99123.23	98850.37	0.66	ppb
Strontium	86-1	33.75	34.68	34.76	34.40	1.63	ppb
Strontium	88-1	33.61	33.62	33.72	33.65	0.18	ppb
Sulfur	34-1	96176.45	100728.92	98821.86	98575.74	2.32	ppb
Terbium	159-1				107		%
Terbium	159-2				107		%
Thallium	203-1	0.13	0.15	0.16	0.15	12.07	ppb
Thallium	205-1	0.13	0.15	0.15	0.14	10.26	ppb
Tin	118-1	0.22	0.22	0.23	0.23	3.35	ppb
Titanium	47-1	1802.50	1810.10	1763.40	1792.00	1.40	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICSA006	Instrumnet Name :	P7
Client Sample ID :	ICSA006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:49:07	DataFile Name :	015ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.02	0.02	18.15	ppb
Vanadium	51-2	0.19	0.17	0.19	0.19	5.58	ppb
Yttrium	89-1				104		%
Yttrium	89-2				104		%
Zinc	66-2	12.24	12.15	12.32	12.24	0.71	ppb
Zirconium	90-1	0.03	0.03	0.03	0.03	2.69	ppb
Zirconium	91-1	0.05	0.06	0.04	0.05	20.02	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICSAB006	Instrumnet Name :	P7
Client Sample ID :	ICSAB006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:52:10	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	89112.92	89210.51	89021.74	89115.06	0.11	ppb
Antimony	121-1	19.44	19.07	19.44	19.32	1.11	ppb
Arsenic	75-2	19.72	20.05	20.65	20.14	2.32	ppb
Barium	135-1	19.40	19.39	19.69	19.49	0.90	ppb
Barium	137-1	18.83	19.00	19.33	19.05	1.33	ppb
Beryllium	9-1	18.90	20.67	21.80	20.46	7.14	ppb
Bismuth	209-1				107		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	22.39	21.45	23.85	22.56	5.34	ppb
Cadmium	106-1	17.82	16.63	17.41	17.29	3.48	ppb
Cadmium	111-1	19.73	19.55	19.28	19.52	1.15	ppb
Calcium	43-1	92896.06	98479.28	97143.74	96173.03	3.03	ppb
Calcium	44-1	94137.10	98409.33	97327.07	96624.50	2.30	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	38.93	39.78	39.03	39.25	1.18	ppb
Cobalt	59-2	20.33	20.55	20.53	20.47	0.59	ppb
Copper	63-2	25.60	26.08	25.45	25.71	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				111		%
Holmium	165-2				109		%
Indium	115-1				107		%
Indium	115-2				104		%
Iron	56-2	99968.75	100034.20	98959.44	99654.13	0.60	ppb
Iron	57-2	99403.69	99884.10	98316.11	99201.30	0.81	ppb
Iron	54-2	100776.84	100941.61	99752.61	100490.35	0.64	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICSAB006	Instrumnet Name :	P7
Client Sample ID :	ICSAB006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:52:10	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	23.22	24.41	25.21	24.28	4.11	ppb
Lead	207-1	21.54	23.33	23.07	22.65	4.26	ppb
Lead	208-1	22.25	23.30	23.59	23.05	3.06	ppb
Lithium	6-1				107		%
Magnesium	24-2	95171.72	97376.05	95252.80	95933.53	1.30	ppb
Manganese	55-2	28.57	27.71	27.64	27.97	1.85	ppb
Molybdenum	94-1	1490.75	1462.56	1502.09	1485.13	1.37	ppb
Molybdenum	95-1	1749.87	1754.20	1781.08	1761.72	0.96	ppb
Molybdenum	96-1	1697.29	1730.40	1753.60	1727.10	1.64	ppb
Molybdenum	97-1	1705.51	1761.21	1808.76	1758.50	2.94	ppb
Molybdenum	98-1	1711.49	1753.77	1797.75	1754.34	2.46	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	25.32	25.78	25.60	25.57	0.90	ppb
Phosphorus	31-2	100699.31	100801.69	100722.72	100741.24	0.05	ppb
Potassium	39-2	95987.99	97785.67	96582.36	96785.34	0.95	ppb
Rhodium	103-1				103		%
Rhodium	103-2				104		%
Scandium	45-1				107		%
Scandium	45-2				108		%
Selenium	82-1	18.91	20.13	19.83	19.62	3.23	ppb
Selenium	77-2	17.90	19.48	18.81	18.73	4.23	ppb
Selenium	78-2	21.80	15.07	16.75	17.87	19.61	ppb
Silicon	28-1	5.48	8.06	8.81	7.45	23.44	ppb
Silver	107-1	17.81	17.41	17.68	17.64	1.15	ppb
Silver	109-1	17.20	17.44	17.31	17.31	0.68	ppb
Sodium	23-2	96257.96	98202.09	97694.77	97384.94	1.04	ppb
Strontium	86-1	33.14	32.74	32.99	32.96	0.61	ppb
Strontium	88-1	33.02	33.44	33.85	33.43	1.25	ppb
Sulfur	34-1	93584.20	101219.70	98760.09	97854.66	3.98	ppb
Terbium	159-1				111		%
Terbium	159-2				110		%
Thallium	203-1	18.77	19.92	19.82	19.50	3.25	ppb
Thallium	205-1	19.08	19.68	19.56	19.44	1.64	ppb
Tin	118-1	0.57	0.67	0.68	0.64	9.39	ppb
Titanium	47-1	1752.84	1818.73	1806.52	1792.70	1.96	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICSAB006	Instrumnet Name :	P7
Client Sample ID :	ICSAB006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:52:10	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.02	0.07	0.04	68.41	ppb
Vanadium	51-2	19.59	19.74	19.50	19.61	0.62	ppb
Yttrium	89-1				107		%
Yttrium	89-2				106		%
Zinc	66-2	37.10	35.92	37.43	36.81	2.16	ppb
Zirconium	90-1	0.02	0.03	0.04	0.03	38.05	ppb
Zirconium	91-1	0.05	0.02	0.05	0.04	36.74	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV029	Instrumnet Name :	P7
Client Sample ID :	CCV029	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:55:16	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50390.42	50077.89	49842.96	50103.76	0.55	ppb
Antimony	121-1	477.21	491.12	507.05	491.79	3.04	ppb
Arsenic	75-2	545.19	546.68	535.49	542.46	1.12	ppb
Barium	135-1	2492.08	2499.97	2515.08	2502.38	0.47	ppb
Barium	137-1	2463.83	2493.49	2546.06	2501.13	1.67	ppb
Beryllium	9-1	512.71	523.82	526.18	520.91	1.38	ppb
Bismuth	209-1				106		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	506.21	509.21	528.26	514.56	2.32	ppb
Cadmium	106-1	500.12	519.39	527.54	515.68	2.73	ppb
Cadmium	111-1	504.65	516.95	525.06	515.55	1.99	ppb
Calcium	43-1	247375.70	256902.11	257755.17	254010.99	2.27	ppb
Calcium	44-1	245524.31	249839.83	253886.49	249750.21	1.67	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	497.77	505.12	488.19	497.03	1.71	ppb
Cobalt	59-2	519.35	520.99	520.06	520.13	0.16	ppb
Copper	63-2	5076.10	5013.30	4983.08	5024.16	0.94	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				111		%
Holmium	165-2				109		%
Indium	115-1				108		%
Indium	115-2				102		%
Iron	56-2	128241.51	127064.55	125249.31	126851.79	1.19	ppb
Iron	57-2	126609.38	127780.46	124913.38	126434.41	1.14	ppb
Iron	54-2	127016.80	128236.42	125898.37	127050.53	0.92	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV029	Instrumnet Name :	P7
Client Sample ID :	CCV029	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:55:16	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2488.49	2596.30	2547.62	2544.13	2.12	ppb
Lead	207-1	2457.30	2561.78	2524.19	2514.42	2.10	ppb
Lead	208-1	2460.34	2553.93	2524.35	2512.87	1.90	ppb
Lithium	6-1				102		%
Magnesium	24-2	251463.65	251492.93	248980.10	250645.56	0.58	ppb
Manganese	55-2	4933.11	4924.49	4833.51	4897.04	1.13	ppb
Molybdenum	94-1	4790.09	5016.93	5065.53	4957.52	2.97	ppb
Molybdenum	95-1	4778.12	4994.51	5030.66	4934.43	2.77	ppb
Molybdenum	96-1	4781.90	4922.62	5008.44	4904.32	2.33	ppb
Molybdenum	97-1	4833.81	4877.68	4965.45	4892.31	1.37	ppb
Molybdenum	98-1	4886.13	4973.72	5003.74	4954.53	1.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	517.90	513.62	509.48	513.67	0.82	ppb
Phosphorus	31-2	10241.48	10204.75	10103.06	10183.10	0.70	ppb
Potassium	39-2	124896.91	125719.54	124837.99	125151.48	0.39	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				109		%
Scandium	45-2				110		%
Selenium	82-1	509.89	522.55	524.05	518.83	1.50	ppb
Selenium	77-2	529.00	511.71	516.92	519.21	1.71	ppb
Selenium	78-2	533.33	530.56	531.12	531.67	0.28	ppb
Silicon	28-1	2476.29	2487.04	2544.04	2502.46	1.46	ppb
Silver	107-1	499.40	507.48	517.96	508.28	1.83	ppb
Silver	109-1	505.92	507.38	519.35	510.88	1.44	ppb
Sodium	23-2	251722.20	246932.21	247125.23	248593.21	1.09	ppb
Strontium	86-1	12014.57	12323.19	12525.02	12287.59	2.09	ppb
Strontium	88-1	11880.49	12380.20	12519.83	12260.17	2.74	ppb
Sulfur	34-1	8485.65	8913.72	9168.66	8856.01	3.90	ppb
Terbium	159-1				112		%
Terbium	159-2				108		%
Thallium	203-1	493.91	517.50	505.09	505.50	2.33	ppb
Thallium	205-1	498.51	522.78	506.13	509.14	2.44	ppb
Tin	118-1	468.28	487.64	490.63	482.18	2.52	ppb
Titanium	47-1	4915.66	4901.53	5080.87	4966.02	2.01	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV029	Instrumnet Name :	P7
Client Sample ID :	CCV029	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:55:16	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	498.83	522.34	520.51	513.90	2.54	ppb
Vanadium	51-2	504.30	511.26	504.94	506.83	0.76	ppb
Yttrium	89-1				110		%
Yttrium	89-2				106		%
Zinc	66-2	5119.13	5198.70	5062.15	5126.66	1.34	ppb
Zirconium	90-1	494.79	512.15	507.29	504.75	1.77	ppb
Zirconium	91-1	481.56	499.33	497.89	492.93	2.00	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB029	Instrumnet Name :	P7
Client Sample ID :	CCB029	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:58:02	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.54	4.74	4.43	4.57	3.48	ppb
Antimony	121-1	0.35	0.31	0.32	0.33	7.67	ppb
Arsenic	75-2	0.01	0.04	0.06	0.04	59.11	ppb
Barium	135-1	0.15	0.14	0.16	0.15	7.45	ppb
Barium	137-1	0.18	0.15	0.15	0.16	11.50	ppb
Beryllium	9-1	0.10	0.08	0.06	0.08	23.49	ppb
Bismuth	209-1				107		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.01	0.03	0.16	0.06	145.93	ppb
Cadmium	106-1	-0.03	1.23	0.94	0.71	92.74	ppb
Cadmium	111-1	0.07	0.15	0.12	0.11	34.90	ppb
Calcium	43-1	32.67	27.84	28.06	29.52	9.24	ppb
Calcium	44-1	34.22	30.97	34.38	33.19	5.81	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	-0.01	0.01	0.00		ppb
Cobalt	59-2	0.03	0.02	0.04	0.03	36.71	ppb
Copper	63-2	0.30	0.26	0.25	0.27	9.79	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				105		%
Indium	115-1				107		%
Indium	115-2				104		%
Iron	56-2	9.60	9.68	9.79	9.69	0.98	ppb
Iron	57-2	8.19	8.15	10.57	8.97	15.42	ppb
Iron	54-2	8.98	8.64	9.44	9.02	4.49	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB029	Instrumnet Name :	P7
Client Sample ID :	CCB029	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:58:02	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.23	0.21	0.21	0.22	3.42	ppb
Lead	207-1	0.21	0.22	0.19	0.20	6.51	ppb
Lead	208-1	0.23	0.20	0.19	0.21	8.54	ppb
Lithium	6-1				100		%
Magnesium	24-2	16.58	16.98	17.06	16.87	1.52	ppb
Manganese	55-2	0.58	0.53	0.55	0.55	4.08	ppb
Molybdenum	94-1	0.63	0.48	0.55	0.55	13.38	ppb
Molybdenum	95-1	0.51	0.42	0.44	0.46	10.54	ppb
Molybdenum	96-1	0.48	0.39	0.43	0.43	9.36	ppb
Molybdenum	97-1	0.48	0.41	0.38	0.42	12.16	ppb
Molybdenum	98-1	0.48	0.40	0.44	0.44	9.91	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.03	0.03	0.04	0.03	25.79	ppb
Phosphorus	31-2	-9.22	-18.02	-11.29	-12.84		ppb
Potassium	39-2	26.41	21.74	23.08	23.74	10.13	ppb
Rhodium	103-1				106		%
Rhodium	103-2				105		%
Scandium	45-1				105		%
Scandium	45-2				105		%
Selenium	82-1	0.21	0.61	0.80	0.54	56.20	ppb
Selenium	77-2	-0.24	0.10	-0.24	-0.12		ppb
Selenium	78-2	-2.09	0.72	0.63	-0.25		ppb
Silicon	28-1	-1.31	-1.82	-1.58	-1.57		ppb
Silver	107-1	0.07	0.06	0.05	0.06	13.35	ppb
Silver	109-1	0.07	0.06	0.06	0.06	13.12	ppb
Sodium	23-2	74.36	73.97	71.47	73.27	2.14	ppb
Strontium	86-1	0.74	0.62	0.65	0.67	8.73	ppb
Strontium	88-1	0.72	0.64	0.62	0.66	8.31	ppb
Sulfur	34-1	-708.06	-769.25	-732.79	-736.70		ppb
Terbium	159-1				108		%
Terbium	159-2				105		%
Thallium	203-1	0.14	0.10	0.10	0.11	23.07	ppb
Thallium	205-1	0.14	0.11	0.11	0.12	13.86	ppb
Tin	118-1	0.18	0.19	0.21	0.19	8.59	ppb
Titanium	47-1	0.42	0.30	0.46	0.39	21.06	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB029	Instrumnet Name :	P7
Client Sample ID :	CCB029	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:58:02	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.02	0.02	0.02	23.24	ppb
Vanadium	51-2	0.03	0.02	0.03	0.03	14.57	ppb
Yttrium	89-1				105		%
Yttrium	89-2				104		%
Zinc	66-2	1.34	1.38	1.22	1.31	6.44	ppb
Zirconium	90-1	0.13	0.09	0.08	0.10	22.71	ppb
Zirconium	91-1	0.13	0.12	0.11	0.12	9.42	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164339BL	Instrumnet Name :	P7
Client Sample ID :	PBW339	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:01:21	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.86	2.86	2.82	2.84	0.72	ppb
Antimony	121-1	0.10	0.11	0.11	0.11	5.11	ppb
Arsenic	75-2	0.06	0.02	0.03	0.04	47.49	ppb
Barium	135-1	0.08	0.07	0.10	0.08	16.95	ppb
Barium	137-1	0.09	0.08	0.07	0.08	13.75	ppb
Beryllium	9-1	0.05	0.02	0.03	0.04	41.31	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.10	0.00	0.06	0.05	97.01	ppb
Cadmium	106-1	-0.03	0.00	0.05	0.01	506.62	ppb
Cadmium	111-1	0.03	0.01	0.06	0.03	71.63	ppb
Calcium	43-1	11.92	12.49	10.76	11.72	7.52	ppb
Calcium	44-1	10.82	11.92	12.33	11.69	6.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	-0.03	-0.02	-0.01		ppb
Cobalt	59-2	0.02	0.02	0.02	0.02	11.79	ppb
Copper	63-2	0.08	0.09	0.13	0.10	27.77	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				103		%
Indium	115-2				101		%
Iron	56-2	5.96	5.65	5.39	5.67	4.99	ppb
Iron	57-2	7.62	7.35	6.85	7.27	5.37	ppb
Iron	54-2	7.28	6.85	6.22	6.78	7.92	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164339BL	Instrumnet Name :	P7
Client Sample ID :	PBW339	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:01:21	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.12	0.09	0.08	0.10	21.90	ppb
Lead	207-1	0.10	0.09	0.09	0.09	10.83	ppb
Lead	208-1	0.11	0.09	0.09	0.10	11.42	ppb
Lithium	6-1				97		%
Magnesium	24-2	9.98	9.41	9.95	9.78	3.27	ppb
Manganese	55-2	0.23	0.12	0.21	0.19	30.97	ppb
Molybdenum	94-1	0.34	0.30	0.26	0.30	13.99	ppb
Molybdenum	95-1	0.20	0.20	0.17	0.19	8.77	ppb
Molybdenum	96-1	0.25	0.19	0.22	0.22	13.41	ppb
Molybdenum	97-1	0.17	0.19	0.21	0.19	11.83	ppb
Molybdenum	98-1	0.18	0.20	0.17	0.18	10.20	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	0.02	-0.01	0.00		ppb
Phosphorus	31-2	-12.16	-12.26	-17.15	-13.86		ppb
Potassium	39-2	18.18	16.99	14.04	16.40	12.99	ppb
Rhodium	103-1				100		%
Rhodium	103-2				103		%
Scandium	45-1				101		%
Scandium	45-2				102		%
Selenium	82-1	0.36	-0.02	0.14	0.16	119.54	ppb
Selenium	77-2	0.46	-0.24	-0.24	0.00		ppb
Selenium	78-2	-0.75	-0.52	0.35	-0.31		ppb
Silicon	28-1	-1.04	-0.92	-1.46	-1.14		ppb
Silver	107-1	0.03	0.03	0.03	0.03	11.17	ppb
Silver	109-1	0.03	0.03	0.03	0.03	10.37	ppb
Sodium	23-2	46.51	44.34	42.39	44.41	4.64	ppb
Strontium	86-1	0.34	0.36	0.33	0.34	5.02	ppb
Strontium	88-1	0.35	0.34	0.32	0.34	4.99	ppb
Sulfur	34-1	-448.95	-431.06	-628.98	-503.00		ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	0.06	0.07	0.05	0.06	17.63	ppb
Thallium	205-1	0.07	0.07	0.07	0.07	2.01	ppb
Tin	118-1	0.06	0.06	0.13	0.08	49.19	ppb
Titanium	47-1	0.17	0.17	0.20	0.18	8.30	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164339BL	Instrumnet Name :	P7
Client Sample ID :	PBW339	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:01:21	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	16.69	ppb
Vanadium	51-2	0.01	0.01	0.01	0.01	21.55	ppb
Yttrium	89-1				101		%
Yttrium	89-2				101		%
Zinc	66-2	0.25	0.07	0.29	0.20	56.26	ppb
Zirconium	90-1	0.10	0.08	0.07	0.08	19.52	ppb
Zirconium	91-1	0.09	0.08	0.08	0.09	9.81	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164339BS	Instrumnet Name :	P7
Client Sample ID :	LCS339	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:04:37	DataFile Name :	020LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	41.30	42.01	42.11	41.81	1.06	ppb
Antimony	121-1	3.80	3.96	3.91	3.89	2.05	ppb
Arsenic	75-2	2.16	2.24	2.04	2.15	4.68	ppb
Barium	135-1	17.69	17.87	18.06	17.87	1.04	ppb
Barium	137-1	17.68	18.30	18.01	17.99	1.71	ppb
Beryllium	9-1	2.16	2.34	1.86	2.12	11.33	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.47	1.95	2.35	2.26	12.00	ppb
Cadmium	106-1	2.16	2.36	2.97	2.50	17.03	ppb
Cadmium	111-1	2.40	2.41	2.60	2.47	4.52	ppb
Calcium	43-1	957.16	989.10	980.52	975.59	1.69	ppb
Calcium	44-1	963.88	1009.67	1000.09	991.21	2.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.63	4.40	4.53	4.52	2.56	ppb
Cobalt	59-2	2.02	2.04	2.08	2.05	1.53	ppb
Copper	63-2	4.27	4.29	4.26	4.28	0.30	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				102		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	56-2	434.68	432.61	435.22	434.17	0.32	ppb
Iron	57-2	432.23	442.12	431.60	435.31	1.36	ppb
Iron	54-2	432.96	441.53	439.64	438.04	1.03	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164339BS	Instrumnet Name :	P7
Client Sample ID :	LCS339	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:04:37	DataFile Name :	020LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.71	1.87	1.83	1.80	4.52	ppb
Lead	207-1	1.83	1.82	1.76	1.80	2.21	ppb
Lead	208-1	1.79	1.83	1.76	1.79	2.00	ppb
Lithium	6-1				98		%
Magnesium	24-2	1086.83	1090.03	1082.49	1086.45	0.35	ppb
Manganese	55-2	2.20	2.28	2.32	2.27	2.85	ppb
Molybdenum	94-1	10.42	10.98	10.79	10.73	2.65	ppb
Molybdenum	95-1	8.63	8.95	8.95	8.84	2.07	ppb
Molybdenum	96-1	8.74	9.05	9.16	8.98	2.41	ppb
Molybdenum	97-1	8.80	8.94	8.84	8.86	0.78	ppb
Molybdenum	98-1	8.82	8.90	8.97	8.90	0.86	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.23	2.26	2.20	2.23	1.42	ppb
Phosphorus	31-2	-13.42	-13.82	-11.33	-12.86		ppb
Potassium	39-2	1052.55	1049.92	1059.92	1054.13	0.49	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	8.87	10.69	10.12	9.89	9.40	ppb
Selenium	77-2	14.30	12.16	7.44	11.30	31.04	ppb
Selenium	78-2	8.58	8.78	10.06	9.14	8.83	ppb
Silicon	28-1	4.87	5.64	5.49	5.33	7.65	ppb
Silver	107-1	1.77	1.84	1.89	1.83	3.40	ppb
Silver	109-1	1.83	1.88	1.92	1.87	2.47	ppb
Sodium	23-2	1072.44	1068.23	1065.15	1068.61	0.34	ppb
Strontium	86-1	2.23	2.07	2.25	2.19	4.46	ppb
Strontium	88-1	2.14	2.21	2.27	2.20	3.01	ppb
Sulfur	34-1	-630.94	-522.46	-693.53	-615.64		ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	1.74	1.74	1.71	1.73	1.18	ppb
Thallium	205-1	1.69	1.77	1.72	1.73	2.18	ppb
Tin	118-1	0.08	0.09	0.09	0.08	7.36	ppb
Titanium	47-1	8.73	9.27	9.36	9.12	3.75	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164339BS	Instrumnet Name :	P7
Client Sample ID :	LCS339	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:04:37	DataFile Name :	020LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.60	1.71	1.59	1.63	3.96	ppb
Vanadium	51-2	10.10	10.37	10.01	10.16	1.86	ppb
Yttrium	89-1				102		%
Yttrium	89-2				101		%
Zinc	66-2	10.41	10.40	10.36	10.39	0.28	ppb
Zirconium	90-1	2.03	2.05	2.04	2.04	0.64	ppb
Zirconium	91-1	1.89	2.02	2.10	2.00	5.24	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-01	Instrumnet Name :	P7
Client Sample ID :	MYD0L6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:07:56	DataFile Name :	021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	112.21	113.02	111.09	112.11	0.86	ppb
Antimony	121-1	0.06	0.07	0.07	0.07	7.69	ppb
Arsenic	75-2	0.03	0.07	0.02	0.04	72.86	ppb
Barium	135-1	0.14	0.24	0.19	0.19	25.63	ppb
Barium	137-1	0.21	0.20	0.15	0.19	18.10	ppb
Beryllium	9-1	0.04	0.02	0.02	0.03	33.92	ppb
Bismuth	209-1				93		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.16	-0.03	0.07	0.07	143.29	ppb
Cadmium	106-1	0.36	0.15	-0.31	0.06	523.15	ppb
Cadmium	111-1	0.07	0.07	0.01	0.05	64.34	ppb
Calcium	43-1	69.22	72.30	67.76	69.76	3.32	ppb
Calcium	44-1	73.92	72.74	72.51	73.05	1.03	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.20	0.22	0.25	0.22	12.14	ppb
Cobalt	59-2	0.02	0.02	0.02	0.02	7.32	ppb
Copper	63-2	1.09	1.18	1.11	1.13	4.35	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				94		%
Holmium	165-2				96		%
Indium	115-1				94		%
Indium	115-2				94		%
Iron	56-2	15.44	17.17	16.69	16.43	5.42	ppb
Iron	57-2	19.62	18.83	19.00	19.15	2.18	ppb
Iron	54-2	22.18	21.19	21.74	21.71	2.28	ppb
Krypton	83-1						cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-01	Instrumnet Name :	P7
Client Sample ID :	MYD0L6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:07:56	DataFile Name :	021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.16	0.14	0.15	0.15	5.94	ppb
Lead	207-1	0.15	0.16	0.14	0.15	8.95	ppb
Lead	208-1	0.16	0.17	0.14	0.15	7.15	ppb
Lithium	6-1				94		%
Magnesium	24-2	44.84	46.19	45.12	45.38	1.56	ppb
Manganese	55-2	0.92	0.85	0.88	0.89	3.73	ppb
Molybdenum	94-1	1.49	0.81	0.54	0.95	51.63	ppb
Molybdenum	95-1	0.15	0.17	0.16	0.16	3.95	ppb
Molybdenum	96-1	0.28	0.23	0.19	0.24	19.06	ppb
Molybdenum	97-1	0.17	0.16	0.13	0.15	14.00	ppb
Molybdenum	98-1	0.17	0.17	0.14	0.16	9.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.07	0.12	0.15	0.11	33.50	ppb
Phosphorus	31-2	-3.71	-3.26	-2.92	-3.30		ppb
Potassium	39-2	18.22	19.04	20.98	19.41	7.31	ppb
Rhodium	103-1				92		%
Rhodium	103-2				95		%
Scandium	45-1				93		%
Scandium	45-2				94		%
Selenium	82-1	0.11	-0.26	0.08	-0.02		ppb
Selenium	77-2	0.14	-0.24	-0.24	-0.11		ppb
Selenium	78-2	2.33	0.92	-0.06	1.07	112.73	ppb
Silicon	28-1	6.23	5.13	6.38	5.91	11.55	ppb
Silver	107-1	0.05	0.16	0.02	0.08	97.78	ppb
Silver	109-1	0.05	0.03	0.03	0.04	26.43	ppb
Sodium	23-2	70.25	69.95	66.77	68.99	2.80	ppb
Strontium	86-1	0.40	0.40	0.33	0.38	10.32	ppb
Strontium	88-1	0.34	0.36	0.29	0.33	10.55	ppb
Sulfur	34-1	194.35	-445.83	-306.40	-185.96		ppb
Terbium	159-1				94		%
Terbium	159-2				97		%
Thallium	203-1	0.06	0.04	0.04	0.05	21.79	ppb
Thallium	205-1	0.07	0.05	0.04	0.05	26.28	ppb
Tin	118-1	0.42	0.43	0.43	0.43	1.44	ppb
Titanium	47-1	0.28	0.19	0.21	0.22	21.28	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-01	Instrumnet Name :	P7
Client Sample ID :	MYD0L6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:07:56	DataFile Name :	021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	15.45	ppb
Vanadium	51-2	0.01	0.04	0.03	0.03	46.15	ppb
Yttrium	89-1				92		%
Yttrium	89-2				93		%
Zinc	66-2	14.69	14.62	14.62	14.64	0.26	ppb
Zirconium	90-1	0.81	0.40	0.29	0.50	55.32	ppb
Zirconium	91-1	0.83	0.42	0.33	0.52	50.81	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-02	Instrumnet Name :	P7
Client Sample ID :	MYD0Y6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:11:12	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.78	4.58	5.72	5.03	12.18	ppb
Antimony	121-1	0.04	0.03	0.05	0.04	14.86	ppb
Arsenic	75-2	0.03	0.04	0.05	0.04	29.76	ppb
Barium	135-1	0.32	0.36	0.34	0.34	5.70	ppb
Barium	137-1	0.37	0.35	0.31	0.34	10.10	ppb
Beryllium	9-1	0.00	0.03	0.00	0.01	211.68	ppb
Bismuth	209-1				94		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.16	0.00	0.07	0.08	100.40	ppb
Cadmium	106-1	-0.67	-0.25	-0.73	-0.55		ppb
Cadmium	111-1	-0.04	0.01	-0.03	-0.02		ppb
Calcium	43-1	76.54	75.95	64.58	72.35	9.31	ppb
Calcium	44-1	77.33	72.65	73.40	74.46	3.38	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.15	0.17	0.17	0.16	9.10	ppb
Cobalt	59-2	0.01	0.03	0.02	0.02	61.11	ppb
Copper	63-2	0.54	0.65	0.69	0.63	13.04	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				94		%
Holmium	165-2				94		%
Indium	115-1				94		%
Indium	115-2				91		%
Iron	56-2	7.08	7.84	7.64	7.52	5.21	ppb
Iron	57-2	7.59	11.46	14.29	11.11	30.28	ppb
Iron	54-2	11.43	13.85	12.74	12.67	9.56	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-02	Instrumnet Name :	P7
Client Sample ID :	MYD0Y6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:11:12	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.08	0.10	0.10	0.10	11.97	ppb
Lead	207-1	0.09	0.10	0.09	0.09	5.17	ppb
Lead	208-1	0.09	0.09	0.10	0.09	4.46	ppb
Lithium	6-1				96		%
Magnesium	24-2	15.22	16.07	16.90	16.06	5.23	ppb
Manganese	55-2	0.48	0.53	0.49	0.50	5.40	ppb
Molybdenum	94-1	0.36	0.37	0.37	0.37	1.42	ppb
Molybdenum	95-1	0.13	0.15	0.16	0.14	10.37	ppb
Molybdenum	96-1	0.15	0.14	0.15	0.15	1.29	ppb
Molybdenum	97-1	0.13	0.11	0.13	0.12	11.46	ppb
Molybdenum	98-1	0.14	0.11	0.13	0.13	13.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.03	0.11	0.12	0.09	52.14	ppb
Phosphorus	31-2	-3.50	-7.28	-0.70	-3.83		ppb
Potassium	39-2	11.74	39.56	30.41	27.24	52.05	ppb
Rhodium	103-1				92		%
Rhodium	103-2				92		%
Scandium	45-1				92		%
Scandium	45-2				90		%
Selenium	82-1	-0.36	0.24	0.51	0.13	340.59	ppb
Selenium	77-2	0.52	-0.24	-0.24	0.02	2874.24	ppb
Selenium	78-2	1.89	3.46	0.08	1.81	93.56	ppb
Silicon	28-1	7.40	5.57	5.91	6.29	15.49	ppb
Silver	107-1	0.02	0.01	0.02	0.02	15.63	ppb
Silver	109-1	0.02	0.02	0.02	0.02	12.16	ppb
Sodium	23-2	65.51	82.54	76.40	74.82	11.53	ppb
Strontium	86-1	0.37	0.37	0.27	0.34	16.36	ppb
Strontium	88-1	0.32	0.32	0.30	0.31	2.48	ppb
Sulfur	34-1	432.17	-206.76	-322.55	-32.38		ppb
Terbium	159-1				95		%
Terbium	159-2				93		%
Thallium	203-1	0.04	0.02	0.02	0.03	37.79	ppb
Thallium	205-1	0.04	0.03	0.04	0.04	8.67	ppb
Tin	118-1	0.44	0.55	0.43	0.47	13.71	ppb
Titanium	47-1	0.22	0.23	0.19	0.21	10.17	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-02	Instrumnet Name :	P7
Client Sample ID :	MYD0Y6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:11:12	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	26.31	ppb
Vanadium	51-2	0.02	0.01	0.02	0.02	49.65	ppb
Yttrium	89-1				93		%
Yttrium	89-2				90		%
Zinc	66-2	4.15	4.73	4.65	4.51	6.99	ppb
Zirconium	90-1	0.16	0.15	0.15	0.15	1.00	ppb
Zirconium	91-1	0.14	0.14	0.17	0.15	12.43	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-03	Instrumnet Name :	P7
Client Sample ID :	MYD0Y8	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:14:30	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.09	3.47	3.67	3.74	8.52	ppb
Antimony	121-1	0.03	0.03	0.03	0.03	10.33	ppb
Arsenic	75-2	0.04	0.00	0.02	0.02	103.91	ppb
Barium	135-1	0.13	0.10	0.12	0.12	9.05	ppb
Barium	137-1	0.12	0.07	0.12	0.10	28.29	ppb
Beryllium	9-1	0.01	0.00	0.00	0.00	104.08	ppb
Bismuth	209-1				97		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.00	0.04	-0.07	-0.01		ppb
Cadmium	106-1	1.35	0.00	-0.39	0.32	281.81	ppb
Cadmium	111-1	0.11	0.02	0.00	0.04	132.56	ppb
Calcium	43-1	30.70	19.37	27.84	25.97	22.69	ppb
Calcium	44-1	30.46	29.28	32.41	30.72	5.13	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.14	0.21	0.12	0.16	29.12	ppb
Cobalt	59-2	0.01	0.02	0.01	0.01	38.83	ppb
Copper	63-2	0.67	0.67	0.62	0.65	4.56	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				98		%
Indium	115-1				96		%
Indium	115-2				97		%
Iron	56-2	10.17	10.32	10.35	10.28	0.97	ppb
Iron	57-2	11.54	11.48	7.69	10.24	21.53	ppb
Iron	54-2	14.37	15.10	15.66	15.04	4.30	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-03	Instrumnet Name :	P7
Client Sample ID :	MYD0Y8	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:14:30	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.10	0.10	0.11	0.11	4.60	ppb
Lead	207-1	0.08	0.10	0.11	0.10	11.35	ppb
Lead	208-1	0.09	0.10	0.11	0.10	7.42	ppb
Lithium	6-1				98		%
Magnesium	24-2	12.26	13.29	13.19	12.92	4.42	ppb
Manganese	55-2	0.35	0.27	0.29	0.30	13.09	ppb
Molybdenum	94-1	0.29	0.25	0.30	0.28	9.95	ppb
Molybdenum	95-1	0.12	0.10	0.12	0.11	12.08	ppb
Molybdenum	96-1	0.13	0.14	0.13	0.13	3.56	ppb
Molybdenum	97-1	0.10	0.13	0.11	0.11	15.53	ppb
Molybdenum	98-1	0.11	0.09	0.12	0.10	14.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.23	0.18	0.24	0.22	15.35	ppb
Phosphorus	31-2	1.41	-5.09	-9.41	-4.36		ppb
Potassium	39-2	12.59	9.83	5.72	9.38	36.87	ppb
Rhodium	103-1				95		%
Rhodium	103-2				98		%
Scandium	45-1				94		%
Scandium	45-2				96		%
Selenium	82-1	0.48	-0.29	0.49	0.23	195.44	ppb
Selenium	77-2	-0.24	0.14	-0.24	-0.11		ppb
Selenium	78-2	-1.67	-2.31	-0.90	-1.63		ppb
Silicon	28-1	5.77	5.11	5.21	5.36	6.55	ppb
Silver	107-1	0.02	0.02	0.01	0.02	15.14	ppb
Silver	109-1	0.01	0.01	0.01	0.01	17.80	ppb
Sodium	23-2	48.60	48.85	45.70	47.72	3.67	ppb
Strontium	86-1	0.28	0.22	0.21	0.24	16.03	ppb
Strontium	88-1	0.22	0.22	0.21	0.22	0.80	ppb
Sulfur	34-1	315.44	-44.72	-147.43	41.10	591.50	ppb
Terbium	159-1				97		%
Terbium	159-2				99		%
Thallium	203-1	0.04	0.03	0.03	0.03	19.85	ppb
Thallium	205-1	0.04	0.03	0.03	0.03	21.96	ppb
Tin	118-1	0.27	0.27	0.25	0.27	5.21	ppb
Titanium	47-1	0.16	0.18	0.24	0.19	21.63	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-03	Instrumnet Name :	P7
Client Sample ID :	MYD0Y8	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:14:30	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	8.55	ppb
Vanadium	51-2	0.00	0.01	0.01	0.01	38.46	ppb
Yttrium	89-1				94		%
Yttrium	89-2				95		%
Zinc	66-2	1.75	1.79	1.80	1.78	1.41	ppb
Zirconium	90-1	0.09	0.08	0.09	0.09	2.59	ppb
Zirconium	91-1	0.10	0.11	0.08	0.10	11.46	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-04	Instrumnet Name :	P7
Client Sample ID :	MYD035	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:17:46	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.04	3.35	4.22	3.87	11.94	ppb
Antimony	121-1	0.02	0.03	0.02	0.02	13.89	ppb
Arsenic	75-2	0.02	0.03	0.03	0.02	36.95	ppb
Barium	135-1	0.08	0.14	0.17	0.13	34.06	ppb
Barium	137-1	0.12	0.11	0.16	0.13	22.36	ppb
Beryllium	9-1	0.01	0.02	0.02	0.01	36.63	ppb
Bismuth	209-1				95		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.15	0.04	-0.03	0.05	180.25	ppb
Cadmium	106-1	0.20	0.84	-0.26	0.26	215.19	ppb
Cadmium	111-1	0.01	0.09	-0.01	0.03	173.22	ppb
Calcium	43-1	26.23	19.40	30.93	25.52	22.72	ppb
Calcium	44-1	31.78	27.77	31.81	30.46	7.64	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.11	0.15	0.12	0.13	16.48	ppb
Cobalt	59-2	0.01	0.00	0.01	0.01	57.86	ppb
Copper	63-2	0.39	0.32	0.35	0.36	9.87	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				96		%
Holmium	165-2				99		%
Indium	115-1				97		%
Indium	115-2				96		%
Iron	56-2	6.24	5.99	6.38	6.20	3.19	ppb
Iron	57-2	2.30	6.67	6.60	5.19	48.28	ppb
Iron	54-2	9.50	11.28	9.79	10.19	9.37	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-04	Instrumnet Name :	P7
Client Sample ID :	MYD035	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:17:46	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.08	0.07	0.08	0.08	4.60	ppb
Lead	207-1	0.06	0.05	0.08	0.06	16.96	ppb
Lead	208-1	0.06	0.07	0.07	0.07	9.22	ppb
Lithium	6-1				99		%
Magnesium	24-2	8.64	8.80	9.11	8.85	2.72	ppb
Manganese	55-2	0.52	0.47	0.49	0.49	4.57	ppb
Molybdenum	94-1	0.20	0.19	0.23	0.21	10.95	ppb
Molybdenum	95-1	0.11	0.11	0.13	0.11	10.28	ppb
Molybdenum	96-1	0.11	0.12	0.14	0.12	11.62	ppb
Molybdenum	97-1	0.10	0.07	0.11	0.09	20.60	ppb
Molybdenum	98-1	0.08	0.10	0.10	0.09	12.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.09	0.11	0.12	0.11	15.14	ppb
Phosphorus	31-2	-2.59	-3.62	-5.69	-3.96		ppb
Potassium	39-2	4.89	9.91	9.29	8.03	34.04	ppb
Rhodium	103-1				95		%
Rhodium	103-2				99		%
Scandium	45-1				94		%
Scandium	45-2				96		%
Selenium	82-1	-0.26	0.40	0.76	0.30	172.62	ppb
Selenium	77-2	-0.24	-0.24	-0.24	-0.24		ppb
Selenium	78-2	-0.54	0.87	0.53	0.29	257.15	ppb
Silicon	28-1	5.88	3.82	5.74	5.15	22.34	ppb
Silver	107-1	0.01	0.01	0.01	0.01	35.66	ppb
Silver	109-1	0.01	0.02	0.01	0.01	40.99	ppb
Sodium	23-2	49.60	50.00	53.16	50.92	3.83	ppb
Strontium	86-1	0.20	0.12	0.23	0.19	29.95	ppb
Strontium	88-1	0.19	0.17	0.21	0.19	11.08	ppb
Sulfur	34-1	710.24	-189.72	220.74	247.09	182.35	ppb
Terbium	159-1				96		%
Terbium	159-2				99		%
Thallium	203-1	0.03	0.03	0.03	0.03	6.00	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	11.59	ppb
Tin	118-1	0.32	0.36	0.65	0.44	40.58	ppb
Titanium	47-1	0.21	0.11	0.18	0.17	29.11	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-04	Instrumnet Name :	P7
Client Sample ID :	MYD035	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:17:46	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.01	0.00	0.00	44.92	ppb
Vanadium	51-2	0.00	0.01	0.01	0.01	74.62	ppb
Yttrium	89-1				94		%
Yttrium	89-2				97		%
Zinc	66-2	1.10	0.96	1.25	1.11	13.40	ppb
Zirconium	90-1	0.07	0.06	0.07	0.07	12.57	ppb
Zirconium	91-1	0.06	0.04	0.08	0.06	28.01	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-05	Instrumnet Name :	P7
Client Sample ID :	MYD036	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:21:05	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.91	4.65	4.31	4.63	6.54	ppb
Antimony	121-1	0.01	0.02	0.03	0.02	36.43	ppb
Arsenic	75-2	0.03	0.06	0.00	0.03	116.39	ppb
Barium	135-1	0.17	0.15	0.15	0.16	6.72	ppb
Barium	137-1	0.13	0.14	0.14	0.13	4.13	ppb
Beryllium	9-1	0.01	0.01	0.00	0.01	57.54	ppb
Bismuth	209-1				95		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.08	0.04	0.00	0.04	97.76	ppb
Cadmium	106-1	-0.02	0.59	-0.59	-0.01		ppb
Cadmium	111-1	0.01	0.05	-0.02	0.01	288.38	ppb
Calcium	43-1	90.38	94.19	104.54	96.37	7.60	ppb
Calcium	44-1	101.49	94.14	102.22	99.28	4.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.18	0.11	0.19	0.16	26.31	ppb
Cobalt	59-2	0.01	0.02	0.01	0.01	17.60	ppb
Copper	63-2	0.50	0.39	0.38	0.42	16.46	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				95		%
Holmium	165-2				96		%
Indium	115-1				94		%
Indium	115-2				95		%
Iron	56-2	6.64	6.33	6.31	6.42	2.86	ppb
Iron	57-2	9.15	9.69	8.40	9.08	7.14	ppb
Iron	54-2	12.77	12.25	10.29	11.77	11.14	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-05	Instrumnet Name :	P7
Client Sample ID :	MYD036	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:21:05	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.07	0.08	0.05	0.07	20.90	ppb
Lead	207-1	0.06	0.06	0.08	0.07	24.16	ppb
Lead	208-1	0.07	0.07	0.07	0.07	4.45	ppb
Lithium	6-1				98		%
Magnesium	24-2	8.69	8.28	8.03	8.34	3.99	ppb
Manganese	55-2	0.29	0.25	0.28	0.27	8.13	ppb
Molybdenum	94-1	0.21	0.30	0.21	0.24	22.23	ppb
Molybdenum	95-1	0.10	0.10	0.10	0.10	3.52	ppb
Molybdenum	96-1	0.15	0.10	0.10	0.12	27.48	ppb
Molybdenum	97-1	0.10	0.08	0.10	0.09	15.97	ppb
Molybdenum	98-1	0.12	0.11	0.10	0.11	8.22	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.11	0.14	0.05	0.10	44.18	ppb
Phosphorus	31-2	-5.00	-8.83	-8.17	-7.33		ppb
Potassium	39-2	5.92	7.25	4.06	5.74	27.96	ppb
Rhodium	103-1				93		%
Rhodium	103-2				96		%
Scandium	45-1				93		%
Scandium	45-2				95		%
Selenium	82-1	0.47	-0.28	0.18	0.12	312.73	ppb
Selenium	77-2	-0.24	-0.24	0.88	0.14	475.19	ppb
Selenium	78-2	-1.03	-0.07	1.24	0.05	2337.93	ppb
Silicon	28-1	6.77	4.84	6.28	5.96	16.82	ppb
Silver	107-1	0.00	0.01	0.01	0.01	35.87	ppb
Silver	109-1	0.01	0.00	0.01	0.01	56.00	ppb
Sodium	23-2	49.06	50.52	49.39	49.65	1.54	ppb
Strontium	86-1	0.21	0.27	0.27	0.25	12.83	ppb
Strontium	88-1	0.25	0.23	0.22	0.23	6.80	ppb
Sulfur	34-1	528.49	-96.63	-16.18	138.56	245.44	ppb
Terbium	159-1				95		%
Terbium	159-2				97		%
Thallium	203-1	0.02	0.02	0.02	0.02	21.06	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	9.56	ppb
Tin	118-1	0.35	0.35	0.35	0.35	1.25	ppb
Titanium	47-1	0.17	0.19	0.17	0.18	5.44	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-05	Instrumnet Name :	P7
Client Sample ID :	MYD036	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:21:05	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.01	0.00	34.66	ppb
Vanadium	51-2	0.02	0.02	0.01	0.02	43.86	ppb
Yttrium	89-1				93		%
Yttrium	89-2				95		%
Zinc	66-2	18.68	19.30	18.87	18.95	1.67	ppb
Zirconium	90-1	0.08	0.07	0.07	0.07	2.59	ppb
Zirconium	91-1	0.12	0.07	0.12	0.10	24.20	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-06	Instrumnet Name :	P7
Client Sample ID :	MYD038	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:24:22	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.42	3.06	3.00	2.83	12.64	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	40.82	ppb
Arsenic	75-2	0.03	0.01	0.02	0.02	75.44	ppb
Barium	135-1	0.14	0.11	0.13	0.13	11.85	ppb
Barium	137-1	0.14	0.15	0.11	0.13	12.24	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00		ppb
Bismuth	209-1				96		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.03	0.11	0.07	0.05	147.47	ppb
Cadmium	106-1	0.97	-0.74	0.39	0.21	414.77	ppb
Cadmium	111-1	0.08	-0.05	0.03	0.02	391.22	ppb
Calcium	43-1	26.64	20.90	19.77	22.44	16.41	ppb
Calcium	44-1	27.74	25.62	25.32	26.23	5.03	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.15	0.11	0.14	0.13	16.28	ppb
Cobalt	59-2	-0.01	0.01	0.00	0.00	1725.30	ppb
Copper	63-2	0.34	0.37	0.31	0.34	8.49	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				96		%
Holmium	165-2				97		%
Indium	115-1				95		%
Indium	115-2				95		%
Iron	56-2	4.96	4.70	4.91	4.86	2.79	ppb
Iron	57-2	4.03	9.84	7.79	7.22	40.83	ppb
Iron	54-2	8.82	9.08	9.07	8.99	1.64	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-06	Instrumnet Name :	P7
Client Sample ID :	MYD038	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:24:22	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.08	0.06	0.05	0.06	23.69	ppb
Lead	207-1	0.07	0.05	0.07	0.06	15.68	ppb
Lead	208-1	0.06	0.05	0.06	0.06	16.57	ppb
Lithium	6-1				96		%
Magnesium	24-2	2.89	2.50	2.21	2.53	13.38	ppb
Manganese	55-2	1.16	1.11	1.11	1.13	2.37	ppb
Molybdenum	94-1	0.05	0.02	0.06	0.04	44.01	ppb
Molybdenum	95-1	0.02	0.01	-0.01	0.00	298.94	ppb
Molybdenum	96-1	0.00	0.00	0.01	0.00	287.32	ppb
Molybdenum	97-1	-0.01	0.00	-0.03	-0.01		ppb
Molybdenum	98-1	0.00	-0.01	-0.01	-0.01		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.20	0.12	0.18	0.17	23.25	ppb
Phosphorus	31-2	-6.56	-15.32	-6.08	-9.32		ppb
Potassium	39-2	9.38	2.57	6.95	6.30	54.73	ppb
Rhodium	103-1				94		%
Rhodium	103-2				97		%
Scandium	45-1				94		%
Scandium	45-2				96		%
Selenium	82-1	-0.39	-0.37	-0.14	-0.30		ppb
Selenium	77-2	0.14	-0.24	-0.24	-0.11		ppb
Selenium	78-2	-2.00	-0.83	1.13	-0.56		ppb
Silicon	28-1	5.05	3.94	3.98	4.32	14.55	ppb
Silver	107-1	0.00	0.00	0.00	0.00		ppb
Silver	109-1	0.00	0.00	0.00	0.00	1015.92	ppb
Sodium	23-2	40.55	38.68	41.95	40.40	4.06	ppb
Strontium	86-1	0.03	0.02	-0.03	0.01	360.18	ppb
Strontium	88-1	-0.01	-0.02	-0.02	-0.02		ppb
Sulfur	34-1	107.88	-252.98	-327.89	-157.66		ppb
Terbium	159-1				96		%
Terbium	159-2				97		%
Thallium	203-1	0.01	0.01	0.00	0.01	60.65	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	6.46	ppb
Tin	118-1	0.23	0.22	0.20	0.22	6.01	ppb
Titanium	47-1	0.07	0.06	0.07	0.07	10.27	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-06	Instrumnet Name :	P7
Client Sample ID :	MYD038	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:24:22	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	770.79	ppb
Yttrium	89-1				95		%
Yttrium	89-2				95		%
Zinc	66-2	0.95	1.17	1.01	1.04	11.06	ppb
Zirconium	90-1	0.02	0.02	0.03	0.02	7.47	ppb
Zirconium	91-1	0.04	0.04	0.04	0.04	10.94	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-07	Instrumnet Name :	P7
Client Sample ID :	MYDD00	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:27:41	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20.41	19.41	19.26	19.69	3.19	ppb
Antimony	121-1	0.01	0.00	0.00	0.00	86.12	ppb
Arsenic	75-2	0.03	0.02	0.04	0.03	37.49	ppb
Barium	135-1	0.00	0.04	0.03	0.02	76.63	ppb
Barium	137-1	0.03	0.05	0.05	0.04	18.32	ppb
Beryllium	9-1	-0.01	-0.02	0.00	-0.01		ppb
Bismuth	209-1				94		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.03	0.07	0.00	0.02	357.88	ppb
Cadmium	106-1	0.60	-0.82	-0.08	-0.10		ppb
Cadmium	111-1	0.06	-0.06	0.00	0.00		ppb
Calcium	43-1	38.93	25.09	29.61	31.21	22.61	ppb
Calcium	44-1	36.81	34.32	36.68	35.94	3.90	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.16	0.14	0.24	0.18	28.07	ppb
Cobalt	59-2	-0.01	0.00	0.00	0.00		ppb
Copper	63-2	0.18	0.23	0.20	0.20	13.75	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				94		%
Holmium	165-2				95		%
Indium	115-1				94		%
Indium	115-2				94		%
Iron	56-2	3.80	3.63	3.66	3.70	2.49	ppb
Iron	57-2	4.68	7.96	7.48	6.71	26.39	ppb
Iron	54-2	8.40	8.55	7.61	8.19	6.17	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-07	Instrumnet Name :	P7
Client Sample ID :	MYDD00	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:27:41	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	0.02	0.03	0.02	14.75	ppb
Lead	207-1	0.04	0.03	0.04	0.04	15.66	ppb
Lead	208-1	0.03	0.03	0.04	0.03	13.52	ppb
Lithium	6-1				93		%
Magnesium	24-2	2.33	2.97	3.07	2.79	14.23	ppb
Manganese	55-2	0.26	0.26	0.28	0.27	5.30	ppb
Molybdenum	94-1	0.05	0.09	0.09	0.08	30.21	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	205.79	ppb
Molybdenum	96-1	0.02	0.02	0.02	0.02	22.00	ppb
Molybdenum	97-1	0.00	0.01	0.00	0.00	9031.50	ppb
Molybdenum	98-1	0.00	0.00	-0.02	-0.01		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.06	0.05	0.05	0.05	14.32	ppb
Phosphorus	31-2	-2.91	-3.02	-5.44	-3.79		ppb
Potassium	39-2	-0.16	3.94	1.62	1.80	114.01	ppb
Rhodium	103-1				92		%
Rhodium	103-2				95		%
Scandium	45-1				93		%
Scandium	45-2				94		%
Selenium	82-1	-0.77	0.65	0.60	0.16	498.53	ppb
Selenium	77-2	-0.24	-0.24	-0.24	-0.24		ppb
Selenium	78-2	2.30	-0.20	-0.02	0.69	201.19	ppb
Silicon	28-1	6.56	4.64	5.47	5.56	17.36	ppb
Silver	107-1	0.00	0.00	0.00	0.00		ppb
Silver	109-1	0.00	0.00	0.00	0.00		ppb
Sodium	23-2	51.53	51.23	50.21	50.99	1.35	ppb
Strontium	86-1	0.03	0.00	0.00	0.01	156.69	ppb
Strontium	88-1	-0.01	-0.02	-0.03	-0.02		ppb
Sulfur	34-1	282.97	-342.37	-327.76	-129.05		ppb
Terbium	159-1				95		%
Terbium	159-2				96		%
Thallium	203-1	0.01	0.00	0.00	0.00	152.66	ppb
Thallium	205-1	0.01	0.01	0.00	0.01	53.33	ppb
Tin	118-1	0.24	0.26	0.29	0.26	9.02	ppb
Titanium	47-1	0.13	0.05	0.04	0.07	68.41	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-07	Instrumnet Name :	P7
Client Sample ID :	MYDD00	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:27:41	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	0.00	0.01	0.00	0.00	33.99	ppb
Yttrium	89-1				92		%
Yttrium	89-2				93		%
Zinc	66-2	10.35	9.60	9.28	9.75	5.63	ppb
Zirconium	90-1	0.05	0.05	0.04	0.05	8.44	ppb
Zirconium	91-1	0.06	0.06	0.07	0.06	13.94	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-08	Instrumnet Name :	P7
Client Sample ID :	MYDD01	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:30:57	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.46	2.18	1.99	2.21	10.73	ppb
Antimony	121-1	0.00	0.01	0.00	0.01	25.21	ppb
Arsenic	75-2	0.02	0.02	0.02	0.02	0.52	ppb
Barium	135-1	0.06	0.06	0.04	0.05	25.57	ppb
Barium	137-1	0.07	0.08	0.06	0.07	13.26	ppb
Beryllium	9-1	0.01	0.02	0.01	0.01	61.32	ppb
Bismuth	209-1				95		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.04	0.07	0.05	33.90	ppb
Cadmium	106-1	0.39	0.77	-1.61	-0.15		ppb
Cadmium	111-1	0.03	0.06	-0.11	-0.01		ppb
Calcium	43-1	27.78	26.76	28.77	27.77	3.62	ppb
Calcium	44-1	35.57	32.95	35.56	34.69	4.35	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.17	0.18	0.18	0.18	3.44	ppb
Cobalt	59-2	0.01	0.00	0.00	0.00	194.77	ppb
Copper	63-2	0.21	0.22	0.23	0.22	4.35	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				96		%
Holmium	165-2				97		%
Indium	115-1				96		%
Indium	115-2				96		%
Iron	56-2	3.17	3.28	3.10	3.18	2.78	ppb
Iron	57-2	3.99	5.74	6.62	5.45	24.62	ppb
Iron	54-2	7.73	7.71	6.83	7.42	6.96	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-08	Instrumnet Name :	P7
Client Sample ID :	MYDD01	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:30:57	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.02	0.02	0.03	0.03	23.71	ppb
Lead	207-1	0.02	0.01	0.01	0.01	56.06	ppb
Lead	208-1	0.03	0.02	0.02	0.02	24.19	ppb
Lithium	6-1				94		%
Magnesium	24-2	3.49	3.85	4.77	4.04	16.34	ppb
Manganese	55-2	0.14	0.11	0.13	0.13	10.33	ppb
Molybdenum	94-1	0.06	0.09	0.09	0.08	23.54	ppb
Molybdenum	95-1	0.01	0.00	0.00	0.01	61.31	ppb
Molybdenum	96-1	0.02	0.02	0.01	0.02	33.32	ppb
Molybdenum	97-1	-0.01	-0.01	-0.01	-0.01		ppb
Molybdenum	98-1	0.00	0.01	0.01	0.01	64.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	0.05	0.05	0.04	72.86	ppb
Phosphorus	31-2	-4.07	-8.64	-3.92	-5.55		ppb
Potassium	39-2	12.69	13.32	10.39	12.14	12.72	ppb
Rhodium	103-1				94		%
Rhodium	103-2				98		%
Scandium	45-1				94		%
Scandium	45-2				95		%
Selenium	82-1	0.08	-0.63	0.48	-0.02		ppb
Selenium	77-2	-0.24	-0.24	-0.24	-0.24		ppb
Selenium	78-2	0.29	0.96	0.48	0.58	60.60	ppb
Silicon	28-1	6.70	5.00	5.31	5.67	16.00	ppb
Silver	107-1	0.00	0.00	0.00	0.00		ppb
Silver	109-1	0.00	0.00	0.00	0.00	712.11	ppb
Sodium	23-2	62.92	65.71	61.60	63.41	3.31	ppb
Strontium	86-1	0.08	0.04	0.02	0.05	57.92	ppb
Strontium	88-1	0.04	0.04	0.04	0.04	5.64	ppb
Sulfur	34-1	193.17	-335.72	-299.64	-147.40		ppb
Terbium	159-1				96		%
Terbium	159-2				97		%
Thallium	203-1	0.00	0.00	0.00	0.00	404.15	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	34.55	ppb
Tin	118-1	0.24	0.26	0.28	0.26	7.87	ppb
Titanium	47-1	0.10	0.04	0.07	0.07	45.27	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-08	Instrumnet Name :	P7
Client Sample ID :	MYDD01	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:30:57	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	364.46	ppb
Yttrium	89-1				95		%
Yttrium	89-2				96		%
Zinc	66-2	0.92	1.27	0.88	1.02	20.95	ppb
Zirconium	90-1	0.05	0.04	0.06	0.05	17.24	ppb
Zirconium	91-1	0.06	0.04	0.05	0.05	11.84	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-09	Instrumnet Name :	P7
Client Sample ID :	MYDD02	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:34:15	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.60	2.93	2.07	2.53	17.11	ppb
Antimony	121-1	0.00	0.01	0.01	0.01	42.27	ppb
Arsenic	75-2	0.02	0.03	0.02	0.02	24.10	ppb
Barium	135-1	0.06	0.07	0.06	0.06	5.92	ppb
Barium	137-1	0.07	0.07	0.07	0.07	2.99	ppb
Beryllium	9-1	-0.01	0.00	-0.01	-0.01		ppb
Bismuth	209-1				96		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.03	0.04	0.04	0.01	302.57	ppb
Cadmium	106-1	-0.30	-0.29	0.22	-0.13		ppb
Cadmium	111-1	0.00	-0.02	0.02	0.00	39673.50	ppb
Calcium	43-1	22.55	23.97	28.48	25.00	12.39	ppb
Calcium	44-1	27.26	24.18	24.84	25.43	6.37	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.13	0.12	0.13	0.12	4.82	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	110.30	ppb
Copper	63-2	0.17	0.21	0.20	0.19	10.52	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				97		%
Holmium	165-2				98		%
Indium	115-1				97		%
Indium	115-2				96		%
Iron	56-2	4.20	4.24	4.42	4.29	2.79	ppb
Iron	57-2	6.06	9.04	5.83	6.98	25.70	ppb
Iron	54-2	9.18	9.69	9.48	9.45	2.74	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-09	Instrumnet Name :	P7
Client Sample ID :	MYDD02	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:34:15	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.03	0.01	0.03	44.62	ppb
Lead	207-1	0.03	0.02	0.04	0.03	30.34	ppb
Lead	208-1	0.03	0.02	0.03	0.03	26.85	ppb
Lithium	6-1				98		%
Magnesium	24-2	4.99	5.06	4.81	4.95	2.64	ppb
Manganese	55-2	0.15	0.17	0.15	0.16	5.88	ppb
Molybdenum	94-1	0.10	0.08	0.08	0.09	13.30	ppb
Molybdenum	95-1	0.05	0.03	0.03	0.04	32.76	ppb
Molybdenum	96-1	0.03	0.06	0.06	0.05	30.16	ppb
Molybdenum	97-1	0.05	0.01	0.03	0.03	57.99	ppb
Molybdenum	98-1	0.03	0.05	0.03	0.04	39.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.03	0.10	0.04	0.06	64.33	ppb
Phosphorus	31-2	-12.96	-4.90	-5.82	-7.89		ppb
Potassium	39-2	6.46	12.23	6.41	8.37	39.97	ppb
Rhodium	103-1				95		%
Rhodium	103-2				97		%
Scandium	45-1				97		%
Scandium	45-2				96		%
Selenium	82-1	0.85	0.23	1.14	0.74	62.27	ppb
Selenium	77-2	-0.24	-0.24	-0.24	-0.24		ppb
Selenium	78-2	1.50	0.43	-1.13	0.27	492.30	ppb
Silicon	28-1	20.87	19.86	22.32	21.02	5.89	ppb
Silver	107-1	0.00	0.00	0.01	0.00	60.91	ppb
Silver	109-1	0.00	0.00	0.00	0.00	99.75	ppb
Sodium	23-2	55.70	54.00	51.13	53.61	4.31	ppb
Strontium	86-1	0.08	0.08	0.07	0.08	7.89	ppb
Strontium	88-1	0.10	0.08	0.10	0.09	7.30	ppb
Sulfur	34-1	329.68	-250.40	-220.22	-46.98		ppb
Terbium	159-1				97		%
Terbium	159-2				98		%
Thallium	203-1	0.00	0.00	0.00	0.00	179.56	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	13.01	ppb
Tin	118-1	0.24	0.25	0.23	0.24	2.89	ppb
Titanium	47-1	0.06	0.14	0.06	0.09	51.16	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-09	Instrumnet Name :	P7
Client Sample ID :	MYDD02	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:34:15	DataFile Name :	029SMPL.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	0.00	0.01	44.45	ppb
Yttrium	89-1				95		%
Yttrium	89-2				96		%
Zinc	66-2	0.58	0.73	0.63	0.65	11.50	ppb
Zirconium	90-1	0.03	0.02	0.04	0.03	19.46	ppb
Zirconium	91-1	0.04	0.03	0.02	0.03	21.49	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-10	Instrumnet Name :	P7
Client Sample ID :	MYDD03	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:37:32	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.83	3.31	3.24	3.12	8.30	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	6.80	ppb
Arsenic	75-2	0.02	0.05	0.03	0.03	61.46	ppb
Barium	135-1	0.10	0.10	0.10	0.10	1.80	ppb
Barium	137-1	0.09	0.10	0.07	0.09	19.48	ppb
Beryllium	9-1	0.01	0.01	0.01	0.01	17.08	ppb
Bismuth	209-1				93		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.04	0.01	0.03	67.82	ppb
Cadmium	106-1	1.01	-0.51	-0.30	0.07	1235.53	ppb
Cadmium	111-1	0.08	-0.03	0.00	0.01	396.12	ppb
Calcium	43-1	48.83	48.49	48.43	48.58	0.45	ppb
Calcium	44-1	52.04	47.53	55.00	51.52	7.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.21	0.20	0.17	0.19	9.04	ppb
Cobalt	59-2	0.00	0.01	0.00	0.01	114.32	ppb
Copper	63-2	0.23	0.26	0.25	0.24	5.90	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				94		%
Holmium	165-2				96		%
Indium	115-1				94		%
Indium	115-2				96		%
Iron	56-2	7.36	7.03	6.94	7.11	3.09	ppb
Iron	57-2	9.53	9.67	10.00	9.74	2.50	ppb
Iron	54-2	11.34	12.28	11.12	11.58	5.34	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-10	Instrumnet Name :	P7
Client Sample ID :	MYDD03	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:37:32	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.06	0.04	0.08	0.06	32.75	ppb
Lead	207-1	0.04	0.05	0.09	0.06	39.68	ppb
Lead	208-1	0.04	0.04	0.07	0.05	26.76	ppb
Lithium	6-1				95		%
Magnesium	24-2	6.90	6.07	6.25	6.41	6.86	ppb
Manganese	55-2	0.21	0.15	0.29	0.22	30.65	ppb
Molybdenum	94-1	0.13	0.13	0.19	0.15	21.78	ppb
Molybdenum	95-1	0.07	0.08	0.08	0.08	9.97	ppb
Molybdenum	96-1	0.09	0.08	0.10	0.09	9.52	ppb
Molybdenum	97-1	0.06	0.07	0.09	0.07	24.69	ppb
Molybdenum	98-1	0.07	0.05	0.09	0.07	32.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.04	0.03	0.04	0.04	20.11	ppb
Phosphorus	31-2	-10.45	-1.08	-3.27	-4.93		ppb
Potassium	39-2	12.35	17.20	12.70	14.08	19.20	ppb
Rhodium	103-1				92		%
Rhodium	103-2				97		%
Scandium	45-1				92		%
Scandium	45-2				95		%
Selenium	82-1	-1.30	-0.08	0.26	-0.37		ppb
Selenium	77-2	1.65	-0.24	-0.24	0.39	277.65	ppb
Selenium	78-2	1.88	1.39	1.50	1.59	16.33	ppb
Silicon	28-1	9.09	7.38	11.66	9.38	22.95	ppb
Silver	107-1	0.00	0.00	0.02	0.01	155.65	ppb
Silver	109-1	0.01	0.00	0.01	0.00	22.73	ppb
Sodium	23-2	69.08	70.27	70.84	70.06	1.28	ppb
Strontium	86-1	0.18	0.15	0.17	0.17	10.21	ppb
Strontium	88-1	0.13	0.12	0.17	0.14	18.66	ppb
Sulfur	34-1	796.90	142.29	706.39	548.53	64.67	ppb
Terbium	159-1				95		%
Terbium	159-2				98		%
Thallium	203-1	0.00	0.00	0.01	0.00	195.38	ppb
Thallium	205-1	0.02	0.01	0.02	0.02	31.51	ppb
Tin	118-1	0.30	0.29	0.33	0.31	7.33	ppb
Titanium	47-1	0.17	0.10	0.21	0.16	33.17	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-10	Instrumnet Name :	P7
Client Sample ID :	MYDD03	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:37:32	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	70.13	ppb
Vanadium	51-2	0.02	0.01	0.00	0.01	64.35	ppb
Yttrium	89-1				92		%
Yttrium	89-2				95		%
Zinc	66-2	1.27	1.34	1.15	1.25	7.83	ppb
Zirconium	90-1	0.04	0.04	0.06	0.05	29.68	ppb
Zirconium	91-1	0.05	0.07	0.09	0.07	27.10	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV030	Instrumnet Name :	P7
Client Sample ID :	CCV030	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:40:51	DataFile Name :	031CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50897.98	49626.59	50260.20	50261.59	1.26	ppb
Antimony	121-1	503.07	503.30	501.12	502.50	0.24	ppb
Arsenic	75-2	545.21	533.72	540.88	539.94	1.07	ppb
Barium	135-1	2553.99	2501.81	2574.20	2543.33	1.47	ppb
Barium	137-1	2531.71	2571.49	2575.62	2559.61	0.95	ppb
Beryllium	9-1	501.13	493.94	500.41	498.49	0.79	ppb
Bismuth	209-1				111		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	516.20	519.26	524.07	519.84	0.76	ppb
Cadmium	106-1	515.75	517.54	527.43	520.24	1.21	ppb
Cadmium	111-1	513.61	519.09	533.29	522.00	1.95	ppb
Calcium	43-1	254773.06	259875.20	256669.38	257105.88	1.00	ppb
Calcium	44-1	251713.27	255363.69	254691.97	253922.97	0.77	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	506.28	507.07	500.48	504.61	0.71	ppb
Cobalt	59-2	519.62	522.26	520.46	520.78	0.26	ppb
Copper	63-2	5064.93	5131.03	5066.44	5087.47	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				116		%
Holmium	165-2				110		%
Indium	115-1				110		%
Indium	115-2				104		%
Iron	56-2	128616.59	128436.36	128278.28	128443.74	0.13	ppb
Iron	57-2	126610.18	127548.04	126906.72	127021.65	0.38	ppb
Iron	54-2	127841.14	128995.67	127497.58	128111.46	0.61	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV030	Instrumnet Name :	P7
Client Sample ID :	CCV030	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:40:51	DataFile Name :	031CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2572.82	2500.76	2639.50	2571.03	2.70	ppb
Lead	207-1	2569.89	2509.55	2600.85	2560.10	1.81	ppb
Lead	208-1	2558.65	2504.10	2594.41	2552.39	1.78	ppb
Lithium	6-1				118		%
Magnesium	24-2	254240.06	251109.82	255127.51	253492.47	0.83	ppb
Manganese	55-2	4983.95	4947.91	4901.59	4944.49	0.83	ppb
Molybdenum	94-1	5067.67	5009.46	5162.31	5079.81	1.52	ppb
Molybdenum	95-1	5042.32	5003.04	5129.32	5058.23	1.28	ppb
Molybdenum	96-1	5041.54	4991.87	5135.72	5056.38	1.44	ppb
Molybdenum	97-1	4991.90	4942.13	5117.46	5017.16	1.80	ppb
Molybdenum	98-1	5008.50	5013.63	5108.26	5043.46	1.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	513.38	513.69	514.32	513.80	0.09	ppb
Phosphorus	31-2	10273.74	10253.49	10156.94	10228.06	0.61	ppb
Potassium	39-2	126720.44	125175.46	126873.83	126256.58	0.74	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				114		%
Scandium	45-2				110		%
Selenium	82-1	512.95	515.84	532.31	520.37	2.01	ppb
Selenium	77-2	534.77	518.22	523.97	525.65	1.60	ppb
Selenium	78-2	531.18	510.37	525.15	522.23	2.05	ppb
Silicon	28-1	2569.35	2496.54	2590.09	2551.99	1.93	ppb
Silver	107-1	511.65	513.25	521.56	515.49	1.03	ppb
Silver	109-1	511.92	512.02	525.47	516.47	1.51	ppb
Sodium	23-2	255097.49	253074.43	254050.54	254074.15	0.40	ppb
Strontium	86-1	12578.35	12433.09	12828.41	12613.29	1.59	ppb
Strontium	88-1	12498.42	12287.34	12645.14	12476.96	1.44	ppb
Sulfur	34-1	8819.73	8955.86	9090.11	8955.23	1.51	ppb
Terbium	159-1				114		%
Terbium	159-2				111		%
Thallium	203-1	512.77	505.84	527.63	515.41	2.16	ppb
Thallium	205-1	506.12	501.80	520.33	509.42	1.90	ppb
Tin	118-1	491.61	480.90	494.49	489.00	1.46	ppb
Titanium	47-1	4921.77	4983.44	5041.82	4982.34	1.20	ppb

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV030	Instrumnet Name :	P7
Client Sample ID :	CCV030	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:40:51	DataFile Name :	031CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	510.88	506.89	526.96	514.91	2.06	ppb
Vanadium	51-2	509.38	500.80	502.12	504.10	0.92	ppb
Yttrium	89-1				113		%
Yttrium	89-2				106		%
Zinc	66-2	5165.90	5170.48	5149.02	5161.80	0.22	ppb
Zirconium	90-1	504.94	512.15	521.26	512.78	1.59	ppb
Zirconium	91-1	497.57	495.29	505.94	499.60	1.12	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB030	Instrumnet Name :	P7
Client Sample ID :	CCB030	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:43:36	DataFile Name :	032CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.83	2.66	2.97	2.82	5.52	ppb
Antimony	121-1	0.36	0.35	0.35	0.35	2.50	ppb
Arsenic	75-2	0.03	0.05	0.02	0.04	37.84	ppb
Barium	135-1	0.13	0.09	0.13	0.12	20.25	ppb
Barium	137-1	0.14	0.12	0.15	0.14	10.60	ppb
Beryllium	9-1	0.07	0.08	0.06	0.07	14.16	ppb
Bismuth	209-1				110		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.12	0.09	0.06	0.09	33.11	ppb
Cadmium	106-1	0.68	-0.97	0.09	-0.07		ppb
Cadmium	111-1	0.09	-0.01	0.06	0.05	108.37	ppb
Calcium	43-1	21.18	25.89	24.87	23.98	10.34	ppb
Calcium	44-1	21.66	22.73	23.54	22.64	4.17	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	0.00	0.03	0.01	297.17	ppb
Cobalt	59-2	0.01	0.03	0.01	0.02	48.07	ppb
Copper	63-2	0.12	0.13	0.14	0.13	6.57	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				108		%
Holmium	165-2				103		%
Indium	115-1				107		%
Indium	115-2				102		%
Iron	56-2	6.59	6.89	6.66	6.71	2.36	ppb
Iron	57-2	6.26	3.85	8.74	6.28	38.89	ppb
Iron	54-2	5.61	5.84	6.55	6.00	8.20	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB030	Instrumnet Name :	P7
Client Sample ID :	CCB030	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:43:36	DataFile Name :	032CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.15	0.16	0.12	0.14	12.01	ppb
Lead	207-1	0.15	0.15	0.11	0.14	17.30	ppb
Lead	208-1	0.15	0.15	0.14	0.15	6.92	ppb
Lithium	6-1				110		%
Magnesium	24-2	13.95	13.00	12.31	13.09	6.27	ppb
Manganese	55-2	0.47	0.47	0.49	0.47	2.47	ppb
Molybdenum	94-1	0.42	0.40	0.36	0.39	7.90	ppb
Molybdenum	95-1	0.39	0.37	0.35	0.37	5.83	ppb
Molybdenum	96-1	0.38	0.36	0.38	0.37	2.01	ppb
Molybdenum	97-1	0.34	0.34	0.35	0.35	1.85	ppb
Molybdenum	98-1	0.37	0.34	0.36	0.36	4.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.05	-0.02	0.01	294.21	ppb
Phosphorus	31-2	-15.45	-12.91	-7.93	-12.10		ppb
Potassium	39-2	12.43	10.45	6.41	9.76	31.40	ppb
Rhodium	103-1				104		%
Rhodium	103-2				102		%
Scandium	45-1				106		%
Scandium	45-2				101		%
Selenium	82-1	-0.11	0.51	0.27	0.22	139.94	ppb
Selenium	77-2	0.11	-0.24	-0.24	-0.12		ppb
Selenium	78-2	-1.66	0.09	0.11	-0.49		ppb
Silicon	28-1	-1.29	-0.60	-1.57	-1.15		ppb
Silver	107-1	0.06	0.04	0.04	0.04	22.38	ppb
Silver	109-1	0.06	0.05	0.05	0.05	15.61	ppb
Sodium	23-2	54.55	50.26	52.11	52.31	4.11	ppb
Strontium	86-1	0.52	0.50	0.51	0.51	1.88	ppb
Strontium	88-1	0.54	0.48	0.48	0.50	6.76	ppb
Sulfur	34-1	-874.30	-653.22	-804.05	-777.19		ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	0.06	0.06	0.05	0.06	7.76	ppb
Thallium	205-1	0.07	0.07	0.06	0.07	5.46	ppb
Tin	118-1	0.19	0.16	0.18	0.18	8.36	ppb
Titanium	47-1	0.24	0.26	0.29	0.26	9.67	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB030	Instrumnet Name :	P7
Client Sample ID :	CCB030	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:43:36	DataFile Name :	032CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.01	0.01	0.01	24.26	ppb
Vanadium	51-2	0.02	0.03	0.02	0.02	26.69	ppb
Yttrium	89-1				105		%
Yttrium	89-2				101		%
Zinc	66-2	1.06	1.17	1.30	1.18	10.21	ppb
Zirconium	90-1	0.06	0.05	0.05	0.05	15.38	ppb
Zirconium	91-1	0.07	0.07	0.05	0.06	21.86	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 19:47:10	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10157.39	10525.59	10544.38	10409.12	2.10	ppb
Antimony	121-1	0.74	0.74	0.76	0.75	1.60	ppb
Arsenic	75-2	65.17	64.09	64.58	64.61	0.84	ppb
Barium	135-1	90.66	87.77	93.37	90.60	3.09	ppb
Barium	137-1	87.53	90.42	90.51	89.49	1.90	ppb
Beryllium	9-1	0.38	0.42	0.30	0.37	16.47	ppb
Bismuth	209-1				107		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.12	0.90	1.05	1.02	11.43	ppb
Cadmium	106-1	0.76	1.18	0.42	0.79	48.47	ppb
Cadmium	111-1	0.89	0.90	0.99	0.93	6.05	ppb
Calcium	43-1	5469.81	5888.03	5650.97	5669.60	3.70	ppb
Calcium	44-1	5515.57	5543.60	5549.29	5536.15	0.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12.58	12.43	12.66	12.55	0.96	ppb
Cobalt	59-2	8.11	8.00	8.10	8.07	0.71	ppb
Copper	63-2	54.07	55.03	54.93	54.68	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				103		%
Holmium	165-2				103		%
Indium	115-1				103		%
Indium	115-2				100		%
Iron	56-2	22447.16	22277.57	22380.42	22368.38	0.38	ppb
Iron	57-2	22520.06	22536.38	22630.72	22562.39	0.26	ppb
Iron	54-2	22656.92	22674.33	22567.76	22633.00	0.25	ppb
Krypton	83-1						cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 19:47:10	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	45.84	48.63	48.46	47.65	3.28	ppb
Lead	207-1	45.93	51.41	48.91	48.75	5.62	ppb
Lead	208-1	45.48	49.86	47.78	47.71	4.59	ppb
Lithium	6-1				110		%
Magnesium	24-2	4004.74	4056.25	4035.01	4032.00	0.64	ppb
Manganese	55-2	555.09	562.49	561.97	559.85	0.74	ppb
Molybdenum	94-1	3.17	3.37	3.22	3.25	3.07	ppb
Molybdenum	95-1	0.42	0.44	0.45	0.44	3.55	ppb
Molybdenum	96-1	0.81	0.92	0.86	0.86	5.94	ppb
Molybdenum	97-1	0.42	0.42	0.46	0.43	5.77	ppb
Molybdenum	98-1	0.44	0.46	0.47	0.46	3.80	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	11.14	10.99	10.79	10.97	1.61	ppb
Phosphorus	31-2	670.26	661.84	679.42	670.51	1.31	ppb
Potassium	39-2	2199.14	2241.59	2229.73	2223.49	0.99	ppb
Rhodium	103-1				99		%
Rhodium	103-2				102		%
Scandium	45-1				105		%
Scandium	45-2				101		%
Selenium	82-1	0.29	1.43	1.45	1.06	62.93	ppb
Selenium	77-2	3.23	3.89	5.38	4.17	26.42	ppb
Selenium	78-2	-0.54	-0.94	1.85	0.12	1238.46	ppb
Silicon	28-1	677.34	709.74	698.67	695.25	2.37	ppb
Silver	107-1	0.37	0.35	0.39	0.37	5.60	ppb
Silver	109-1	0.33	0.37	0.37	0.36	6.78	ppb
Sodium	23-2	74.74	80.90	77.55	77.73	3.96	ppb
Strontium	86-1	23.07	24.84	23.89	23.93	3.71	ppb
Strontium	88-1	23.06	25.54	23.78	24.13	5.29	ppb
Sulfur	34-1	478.12	763.39	238.02	493.18	53.33	ppb
Terbium	159-1				102		%
Terbium	159-2				103		%
Thallium	203-1	0.13	0.15	0.11	0.13	14.47	ppb
Thallium	205-1	0.12	0.15	0.13	0.14	10.93	ppb
Tin	118-1	0.80	0.81	0.74	0.78	4.82	ppb
Titanium	47-1	226.71	242.37	236.67	235.25	3.37	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 19:47:10	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.18	0.20	0.18	0.19	6.89	ppb
Vanadium	51-2	34.56	34.84	34.98	34.80	0.61	ppb
Yttrium	89-1				104		%
Yttrium	89-2				103		%
Zinc	66-2	207.33	207.01	208.06	207.47	0.26	ppb
Zirconium	90-1	1.77	1.72	1.72	1.74	1.67	ppb
Zirconium	91-1	1.60	1.76	1.72	1.69	4.83	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-11DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 19:50:22	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10466.76	10292.81	10588.41	10449.32	1.42	ppb
Antimony	121-1	0.78	0.71	0.76	0.75	5.10	ppb
Arsenic	75-2	64.04	65.83	63.32	64.40	2.00	ppb
Barium	135-1	89.89	86.64	90.28	88.94	2.25	ppb
Barium	137-1	89.60	86.60	87.73	87.98	1.73	ppb
Beryllium	9-1	0.47	0.44	0.32	0.41	19.59	ppb
Bismuth	209-1				106		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.16	1.56	1.12	1.28	19.10	ppb
Cadmium	106-1	2.04	1.47	0.66	1.39	49.87	ppb
Cadmium	111-1	1.00	0.79	0.88	0.89	12.06	ppb
Calcium	43-1	5889.67	5846.61	5876.30	5870.86	0.38	ppb
Calcium	44-1	5561.68	5520.58	5610.50	5564.25	0.81	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12.23	12.53	12.42	12.40	1.22	ppb
Cobalt	59-2	8.10	8.03	8.05	8.06	0.42	ppb
Copper	63-2	55.32	54.95	55.38	55.22	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				104		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	56-2	22775.93	22613.29	22785.14	22724.78	0.43	ppb
Iron	57-2	22767.54	22721.11	22915.57	22801.41	0.45	ppb
Iron	54-2	23205.59	22905.90	23008.96	23040.15	0.66	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-11DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 19:50:22	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	47.76	49.13	46.50	47.80	2.75	ppb
Lead	207-1	50.02	52.18	47.70	49.97	4.49	ppb
Lead	208-1	50.02	49.74	46.74	48.83	3.73	ppb
Lithium	6-1				109		%
Magnesium	24-2	4052.88	4027.87	4063.10	4047.95	0.45	ppb
Manganese	55-2	561.17	556.43	560.84	559.48	0.47	ppb
Molybdenum	94-1	3.22	3.23	3.22	3.22	0.19	ppb
Molybdenum	95-1	0.37	0.40	0.42	0.40	5.63	ppb
Molybdenum	96-1	0.80	0.88	0.80	0.83	5.24	ppb
Molybdenum	97-1	0.43	0.45	0.39	0.42	8.12	ppb
Molybdenum	98-1	0.40	0.38	0.39	0.39	2.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	11.21	11.47	10.95	11.21	2.31	ppb
Phosphorus	31-2	722.95	683.03	693.26	699.75	2.96	ppb
Potassium	39-2	2243.72	2211.53	2248.46	2234.57	0.90	ppb
Rhodium	103-1				101		%
Rhodium	103-2				103		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	1.82	0.73	0.19	0.91	90.84	ppb
Selenium	77-2	4.55	3.97	3.90	4.14	8.59	ppb
Selenium	78-2	1.59	0.14	1.71	1.14	76.45	ppb
Silicon	28-1	686.99	725.82	679.17	697.32	3.58	ppb
Silver	107-1	0.36	0.33	0.36	0.35	4.42	ppb
Silver	109-1	0.35	0.32	0.34	0.34	5.57	ppb
Sodium	23-2	77.19	72.83	75.71	75.24	2.95	ppb
Strontium	86-1	23.42	25.29	23.96	24.22	3.99	ppb
Strontium	88-1	24.99	24.57	23.93	24.50	2.17	ppb
Sulfur	34-1	879.07	829.22	482.69	730.32	29.56	ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	0.11	0.13	0.12	0.12	7.75	ppb
Thallium	205-1	0.13	0.12	0.11	0.12	8.41	ppb
Tin	118-1	0.78	0.77	0.74	0.76	2.28	ppb
Titanium	47-1	238.15	253.61	237.85	243.20	3.71	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-11DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 19:50:22	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.22	0.22	0.20	0.21	4.96	ppb
Vanadium	51-2	35.65	35.47	36.11	35.74	0.92	ppb
Yttrium	89-1				105		%
Yttrium	89-2				103		%
Zinc	66-2	208.87	205.22	208.63	207.57	0.98	ppb
Zirconium	90-1	1.68	1.74	1.70	1.70	1.90	ppb
Zirconium	91-1	1.65	1.77	1.71	1.71	3.47	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDB51L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 19:53:37	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2067.98	2063.78	2073.92	2068.56	0.25	ppb
Antimony	121-1	0.14	0.16	0.16	0.16	7.92	ppb
Arsenic	75-2	13.13	12.76	13.31	13.07	2.13	ppb
Barium	135-1	16.95	17.19	17.64	17.26	2.04	ppb
Barium	137-1	17.41	17.55	17.81	17.59	1.14	ppb
Beryllium	9-1	0.08	0.06	0.07	0.07	13.67	ppb
Bismuth	209-1				107		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.23	0.23	0.30	0.25	16.03	ppb
Cadmium	106-1	0.67	1.40	0.28	0.78	72.88	ppb
Cadmium	111-1	0.23	0.26	0.16	0.22	24.30	ppb
Calcium	43-1	1137.46	1173.72	1176.69	1162.62	1.88	ppb
Calcium	44-1	1154.30	1156.73	1161.48	1157.50	0.32	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.50	2.63	2.52	2.55	2.74	ppb
Cobalt	59-2	1.58	1.57	1.62	1.59	1.39	ppb
Copper	63-2	10.65	10.94	10.86	10.82	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				104		%
Holmium	165-2				103		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	56-2	4486.73	4419.12	4465.05	4456.97	0.77	ppb
Iron	57-2	4481.68	4479.92	4487.34	4482.98	0.09	ppb
Iron	54-2	4560.40	4541.45	4602.75	4568.20	0.69	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDB51L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 19:53:37	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	9.19	9.33	9.54	9.36	1.88	ppb
Lead	207-1	9.67	9.70	9.75	9.71	0.41	ppb
Lead	208-1	9.46	9.46	9.56	9.49	0.58	ppb
Lithium	6-1				110		%
Magnesium	24-2	804.60	797.47	812.50	804.86	0.93	ppb
Manganese	55-2	111.22	110.23	110.92	110.79	0.46	ppb
Molybdenum	94-1	0.70	0.65	0.74	0.70	6.51	ppb
Molybdenum	95-1	0.15	0.19	0.17	0.17	9.85	ppb
Molybdenum	96-1	0.23	0.25	0.23	0.24	5.23	ppb
Molybdenum	97-1	0.12	0.13	0.15	0.13	11.34	ppb
Molybdenum	98-1	0.16	0.14	0.15	0.15	4.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.23	2.11	2.24	2.19	3.30	ppb
Phosphorus	31-2	116.27	126.99	120.16	121.14	4.48	ppb
Potassium	39-2	438.58	440.76	447.91	442.42	1.10	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				100		%
Selenium	82-1	0.10	0.64	-0.38	0.12	423.00	ppb
Selenium	77-2	0.47	0.47	2.26	1.07	96.82	ppb
Selenium	78-2	0.40	-0.36	-1.49	-0.48		ppb
Silicon	28-1	155.09	148.85	155.40	153.11	2.41	ppb
Silver	107-1	0.07	0.08	0.07	0.07	4.03	ppb
Silver	109-1	0.07	0.07	0.08	0.07	5.61	ppb
Sodium	23-2	30.99	30.77	31.17	30.97	0.64	ppb
Strontium	86-1	5.03	4.87	4.88	4.93	1.77	ppb
Strontium	88-1	4.90	4.93	4.96	4.93	0.63	ppb
Sulfur	34-1	-218.69	-333.19	-211.46	-254.45		ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	0.05	0.04	0.06	0.05	12.91	ppb
Thallium	205-1	0.05	0.05	0.06	0.05	4.46	ppb
Tin	118-1	0.15	0.19	0.21	0.18	16.62	ppb
Titanium	47-1	47.66	48.00	49.16	48.27	1.63	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDB51L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 19:53:37	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.04	0.04	0.04	0.04	7.84	ppb
Vanadium	51-2	6.98	6.84	7.06	6.96	1.64	ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	41.42	40.70	40.82	40.98	0.95	ppb
Zirconium	90-1	0.33	0.35	0.33	0.34	3.19	ppb
Zirconium	91-1	0.35	0.37	0.36	0.36	2.29	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-12DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 19:56:51	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10541.92	10418.21	10209.44	10389.85	1.62	ppb
Antimony	121-1	18.58	16.88	17.02	17.50	5.40	ppb
Arsenic	75-2	70.47	70.01	69.74	70.07	0.53	ppb
Barium	135-1	426.66	412.50	406.80	415.32	2.46	ppb
Barium	137-1	431.63	397.83	405.05	411.50	4.33	ppb
Beryllium	9-1	9.29	8.01	9.96	9.08	10.89	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.54	9.04	8.89	8.82	2.92	ppb
Cadmium	106-1	11.90	8.96	8.73	9.86	17.94	ppb
Cadmium	111-1	10.72	10.03	9.66	10.14	5.29	ppb
Calcium	43-1	5820.75	5280.96	5549.25	5550.32	4.86	ppb
Calcium	44-1	5527.84	5259.57	5398.30	5395.24	2.49	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	47.72	47.06	47.02	47.27	0.83	ppb
Cobalt	59-2	94.36	95.68	95.29	95.11	0.71	ppb
Copper	63-2	93.71	92.96	93.21	93.29	0.41	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				103		%
Indium	115-2				100		%
Iron	56-2	21809.74	21827.84	21715.47	21784.35	0.28	ppb
Iron	57-2	21954.92	21888.93	21876.91	21906.92	0.19	ppb
Iron	54-2	21980.48	22001.55	21887.52	21956.52	0.28	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-12DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 19:56:51	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	51.69	48.19	52.21	50.69	4.31	ppb
Lead	207-1	54.18	47.82	54.43	52.14	7.18	ppb
Lead	208-1	53.46	47.25	52.36	51.02	6.49	ppb
Lithium	6-1				108		%
Magnesium	24-2	3899.06	3909.89	3879.12	3896.02	0.40	ppb
Manganese	55-2	624.09	625.37	622.48	623.98	0.23	ppb
Molybdenum	94-1	3.28	2.92	3.13	3.11	5.80	ppb
Molybdenum	95-1	0.41	0.40	0.36	0.39	6.87	ppb
Molybdenum	96-1	0.88	0.79	0.78	0.82	6.53	ppb
Molybdenum	97-1	0.40	0.39	0.38	0.39	2.95	ppb
Molybdenum	98-1	0.39	0.36	0.40	0.38	4.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	101.36	101.18	99.79	100.78	0.85	ppb
Phosphorus	31-2	665.75	624.60	650.62	646.99	3.22	ppb
Potassium	39-2	2147.82	2143.94	2140.11	2143.95	0.18	ppb
Rhodium	103-1				98		%
Rhodium	103-2				101		%
Scandium	45-1				104		%
Scandium	45-2				102		%
Selenium	82-1	19.33	17.22	18.37	18.31	5.78	ppb
Selenium	77-2	25.94	24.84	22.73	24.50	6.65	ppb
Selenium	78-2	17.49	18.60	14.87	16.99	11.28	ppb
Silicon	28-1	713.43	642.84	750.97	702.41	7.82	ppb
Silver	107-1	7.97	7.68	7.45	7.70	3.40	ppb
Silver	109-1	8.18	7.36	7.43	7.66	5.95	ppb
Sodium	23-2	73.42	74.54	71.66	73.21	1.99	ppb
Strontium	86-1	24.96	22.26	24.52	23.92	6.05	ppb
Strontium	88-1	25.62	22.45	23.94	24.00	6.61	ppb
Sulfur	34-1	1248.45	185.14	581.46	671.68	80.00	ppb
Terbium	159-1				102		%
Terbium	159-2				103		%
Thallium	203-1	7.71	6.94	7.92	7.52	6.90	ppb
Thallium	205-1	8.14	7.03	7.78	7.65	7.40	ppb
Tin	118-1	0.81	0.73	0.82	0.79	6.63	ppb
Titanium	47-1	238.99	222.25	245.51	235.58	5.09	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-12DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 19:56:51	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.22	0.18	0.19	0.20	11.84	ppb
Vanadium	51-2	121.04	120.31	120.95	120.77	0.33	ppb
Yttrium	89-1				102		%
Yttrium	89-2				102		%
Zinc	66-2	284.00	285.52	286.19	285.24	0.39	ppb
Zirconium	90-1	1.71	1.63	1.69	1.68	2.30	ppb
Zirconium	91-1	1.79	1.51	1.73	1.68	8.77	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:00:06	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10354.98	10177.26	10268.91	10267.05	0.87	ppb
Antimony	121-1	63.45	65.31	64.92	64.56	1.51	ppb
Arsenic	75-2	82.58	82.58	80.96	82.04	1.14	ppb
Barium	135-1	1347.82	1383.85	1422.56	1384.74	2.70	ppb
Barium	137-1	1366.83	1406.86	1412.90	1395.53	1.79	ppb
Beryllium	9-1	33.38	33.13	33.76	33.42	0.94	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	32.06	30.14	31.00	31.07	3.09	ppb
Cadmium	106-1	31.35	29.32	33.84	31.50	7.19	ppb
Cadmium	111-1	34.19	35.09	34.84	34.71	1.34	ppb
Calcium	43-1	4887.76	5025.82	4952.78	4955.45	1.39	ppb
Calcium	44-1	4707.31	4790.30	4757.14	4751.58	0.88	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	145.45	145.36	144.70	145.17	0.28	ppb
Cobalt	59-2	345.53	341.59	338.38	341.84	1.05	ppb
Copper	63-2	202.53	201.85	199.04	201.14	0.92	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				102		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	56-2	20011.42	20024.43	20118.75	20051.53	0.29	ppb
Iron	57-2	20061.84	20011.00	19996.91	20023.25	0.17	ppb
Iron	54-2	20314.67	20189.12	19636.20	20046.66	1.80	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:00:06	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	51.72	52.36	53.10	52.40	1.32	ppb
Lead	207-1	54.13	53.45	53.93	53.84	0.65	ppb
Lead	208-1	52.70	52.44	53.30	52.81	0.84	ppb
Lithium	6-1				105		%
Magnesium	24-2	3448.39	3453.39	3458.66	3453.48	0.15	ppb
Manganese	55-2	829.96	811.98	820.14	820.69	1.10	ppb
Molybdenum	94-1	2.59	2.65	2.67	2.64	1.57	ppb
Molybdenum	95-1	0.30	0.26	0.26	0.28	8.84	ppb
Molybdenum	96-1	0.66	0.69	0.66	0.67	2.63	ppb
Molybdenum	97-1	0.23	0.28	0.30	0.27	12.96	ppb
Molybdenum	98-1	0.25	0.28	0.27	0.27	5.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	353.75	356.03	352.37	354.05	0.52	ppb
Phosphorus	31-2	559.36	577.00	569.78	568.71	1.56	ppb
Potassium	39-2	1919.21	1911.47	1904.74	1911.81	0.38	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	75.54	74.83	71.97	74.11	2.55	ppb
Selenium	77-2	79.89	70.21	76.27	75.46	6.48	ppb
Selenium	78-2	74.74	80.61	66.50	73.95	9.58	ppb
Silicon	28-1	597.83	621.00	598.53	605.79	2.18	ppb
Silver	107-1	23.13	24.13	24.11	23.79	2.40	ppb
Silver	109-1	23.16	23.85	23.98	23.67	1.87	ppb
Sodium	23-2	67.87	67.66	68.52	68.02	0.66	ppb
Strontium	86-1	20.58	20.87	20.51	20.65	0.91	ppb
Strontium	88-1	20.58	20.67	20.80	20.68	0.54	ppb
Sulfur	34-1	114.03	209.44	-80.82	80.89	182.90	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	28.28	28.63	28.45	28.45	0.62	ppb
Thallium	205-1	28.25	28.16	28.38	28.27	0.39	ppb
Tin	118-1	0.63	0.67	0.61	0.64	4.31	ppb
Titanium	47-1	204.10	206.67	208.57	206.44	1.09	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:00:06	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.17	0.17	0.16	0.17	1.13	ppb
Vanadium	51-2	363.63	363.83	360.42	362.63	0.53	ppb
Yttrium	89-1				103		%
Yttrium	89-2				100		%
Zinc	66-2	505.70	498.62	502.84	502.38	0.71	ppb
Zirconium	90-1	1.38	1.43	1.44	1.42	2.24	ppb
Zirconium	91-1	1.50	1.45	1.42	1.46	2.56	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10A	Instrumnet Name :	P7
Client Sample ID :	MYDB51ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 20:06:33	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	36912.84	37083.74	37762.10	37252.89	1.21	ppb
Antimony	121-1	2.22	2.24	2.51	2.32	7.14	ppb
Arsenic	75-2	675.79	687.03	702.72	688.51	1.96	ppb
Barium	135-1	335.32	333.58	370.88	346.59	6.07	ppb
Barium	137-1	331.19	335.16	368.66	345.00	5.97	ppb
Beryllium	9-1	1.38	1.24	1.54	1.39	11.06	ppb
Bismuth	209-1				105		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.54	3.74	4.62	3.96	14.50	ppb
Cadmium	106-1	3.98	5.15	5.12	4.75	14.03	ppb
Cadmium	111-1	3.24	3.24	3.60	3.36	6.20	ppb
Calcium	43-1	20849.31	21296.76	23922.42	22022.83	7.54	ppb
Calcium	44-1	20262.60	20571.21	22775.45	21203.09	6.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	45.06	45.87	46.19	45.71	1.27	ppb
Cobalt	59-2	28.37	28.64	29.61	28.87	2.26	ppb
Copper	63-2	192.64	196.44	198.46	195.85	1.51	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				103		%
Holmium	165-2				105		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	56-2	79146.82	80815.89	81650.22	80537.64	1.58	ppb
Iron	57-2	79160.87	79596.83	80547.95	79768.55	0.89	ppb
Iron	54-2	79097.60	79876.49	81712.74	80228.94	1.67	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10A	Instrumnet Name :	P7
Client Sample ID :	MYDB51ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 20:06:33	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	549.85	551.72	609.44	570.34	5.94	ppb
Lead	207-1	569.04	574.25	625.13	589.48	5.26	ppb
Lead	208-1	559.27	559.24	618.23	578.91	5.88	ppb
Lithium	6-1				101		%
Magnesium	24-2	14039.32	14198.39	14458.87	14232.19	1.49	ppb
Manganese	55-2	1967.45	2000.48	2064.38	2010.77	2.45	ppb
Molybdenum	94-1	11.24	11.68	13.09	12.00	8.02	ppb
Molybdenum	95-1	1.03	1.06	1.21	1.10	8.84	ppb
Molybdenum	96-1	2.50	2.58	2.84	2.64	6.73	ppb
Molybdenum	97-1	1.05	0.98	1.16	1.06	8.61	ppb
Molybdenum	98-1	1.01	1.00	1.16	1.05	8.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	39.91	40.24	41.13	40.43	1.57	ppb
Phosphorus	31-2	2367.94	2498.40	2547.36	2471.23	3.75	ppb
Potassium	39-2	7584.65	7677.87	7806.21	7689.58	1.45	ppb
Rhodium	103-1				99		%
Rhodium	103-2				102		%
Scandium	45-1				105		%
Scandium	45-2				109		%
Selenium	82-1	1.30	2.81	2.95	2.36	38.90	ppb
Selenium	77-2	17.07	13.78	15.97	15.61	10.74	ppb
Selenium	78-2	2.58	6.70	6.68	5.32	44.60	ppb
Silicon	28-1	2800.34	2895.21	3231.58	2975.71	7.62	ppb
Silver	107-1	2.33	2.47	2.61	2.47	5.63	ppb
Silver	109-1	2.27	2.31	2.64	2.41	8.39	ppb
Sodium	23-2	227.51	234.78	241.57	234.62	3.00	ppb
Strontium	86-1	86.71	88.12	99.37	91.40	7.60	ppb
Strontium	88-1	89.28	90.08	102.90	94.09	8.12	ppb
Sulfur	34-1	3700.74	3782.41	5212.13	4231.76	20.09	ppb
Terbium	159-1				103		%
Terbium	159-2				106		%
Thallium	203-1	2.32	2.30	2.67	2.43	8.59	ppb
Thallium	205-1	2.24	2.32	2.63	2.40	8.46	ppb
Tin	118-1	2.99	2.88	3.33	3.07	7.68	ppb
Titanium	47-1	909.36	930.16	1050.20	963.24	7.89	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10A	Instrumnet Name :	P7
Client Sample ID :	MYDB51ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 20:06:33	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.66	0.69	0.78	0.71	8.71	ppb
Vanadium	51-2	125.20	127.75	129.61	127.52	1.74	ppb
Yttrium	89-1				108		%
Yttrium	89-2				109		%
Zinc	66-2	736.32	744.17	756.05	745.51	1.33	ppb
Zirconium	90-1	6.34	6.44	7.29	6.69	7.80	ppb
Zirconium	91-1	6.66	6.37	7.60	6.87	9.39	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:09:39	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12306.83	12351.87	12314.38	12324.36	0.20	ppb
Antimony	121-1	0.16	0.16	0.16	0.16	2.20	ppb
Arsenic	75-2	11.47	12.42	12.04	11.97	4.00	ppb
Barium	135-1	93.41	90.18	91.75	91.78	1.76	ppb
Barium	137-1	92.90	91.80	94.69	93.13	1.57	ppb
Beryllium	9-1	0.45	0.49	0.43	0.46	6.19	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.31	0.16	0.13	0.20	48.59	ppb
Cadmium	106-1	0.55	0.25	0.60	0.46	41.00	ppb
Cadmium	111-1	0.11	0.07	0.14	0.11	34.29	ppb
Calcium	43-1	4643.32	4654.51	4687.61	4661.81	0.49	ppb
Calcium	44-1	4683.58	4401.93	4537.52	4541.01	3.10	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	11.28	11.40	11.08	11.25	1.42	ppb
Cobalt	59-2	8.95	9.11	8.99	9.02	0.93	ppb
Copper	63-2	19.70	19.97	19.69	19.79	0.79	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				101		%
Indium	115-2				100		%
Iron	56-2	22797.29	22860.80	22661.62	22773.24	0.45	ppb
Iron	57-2	22864.77	23110.64	22677.55	22884.32	0.95	ppb
Iron	54-2	22629.86	22955.41	22523.89	22703.05	0.99	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:09:39	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5.92	5.89	6.26	6.03	3.42	ppb
Lead	207-1	5.48	5.81	5.87	5.72	3.60	ppb
Lead	208-1	5.64	5.69	5.91	5.75	2.43	ppb
Lithium	6-1				99		%
Magnesium	24-2	4628.92	4652.50	4607.71	4629.71	0.48	ppb
Manganese	55-2	367.31	368.64	365.49	367.15	0.43	ppb
Molybdenum	94-1	4.45	4.42	4.36	4.41	1.10	ppb
Molybdenum	95-1	0.27	0.20	0.19	0.22	20.15	ppb
Molybdenum	96-1	0.95	0.79	0.77	0.83	11.76	ppb
Molybdenum	97-1	0.38	0.18	0.14	0.23	55.30	ppb
Molybdenum	98-1	0.31	0.16	0.16	0.21	41.01	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	10.59	10.32	10.14	10.35	2.20	ppb
Phosphorus	31-2	498.27	501.64	469.79	489.90	3.57	ppb
Potassium	39-2	873.73	884.83	868.93	875.83	0.93	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	-0.10	1.13	0.71	0.58	107.61	ppb
Selenium	77-2	5.04	5.84	5.74	5.54	7.89	ppb
Selenium	78-2	-0.16	-0.17	2.62	0.76	210.05	ppb
Silicon	28-1	636.93	649.16	625.45	637.18	1.86	ppb
Silver	107-1	0.07	0.06	0.06	0.06	8.63	ppb
Silver	109-1	0.07	0.06	0.05	0.06	16.78	ppb
Sodium	23-2	85.55	82.77	83.74	84.02	1.68	ppb
Strontium	86-1	22.09	22.90	22.34	22.44	1.84	ppb
Strontium	88-1	21.92	22.24	22.26	22.14	0.86	ppb
Sulfur	34-1	-1586.94	-1701.94	-1908.16	-1732.34		ppb
Terbium	159-1				105		%
Terbium	159-2				102		%
Thallium	203-1	0.16	0.14	0.15	0.15	5.65	ppb
Thallium	205-1	0.16	0.15	0.14	0.15	9.04	ppb
Tin	118-1	0.60	0.63	0.71	0.64	8.70	ppb
Titanium	47-1	199.35	204.92	200.48	201.58	1.46	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:09:39	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.19	0.20	0.22	0.20	8.69	ppb
Vanadium	51-2	36.69	36.29	35.85	36.28	1.16	ppb
Yttrium	89-1				102		%
Yttrium	89-2				101		%
Zinc	66-2	38.64	39.52	40.00	39.39	1.74	ppb
Zirconium	90-1	2.47	2.61	2.58	2.55	2.77	ppb
Zirconium	91-1	2.60	2.65	2.52	2.59	2.63	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-17DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:12:54	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12497.71	12528.36	12461.33	12495.80	0.27	ppb
Antimony	121-1	0.19	0.20	0.19	0.19	2.89	ppb
Arsenic	75-2	12.14	12.06	11.56	11.92	2.66	ppb
Barium	135-1	88.95	94.40	90.79	91.38	3.03	ppb
Barium	137-1	91.05	97.54	94.60	94.40	3.44	ppb
Beryllium	9-1	0.49	0.34	0.49	0.44	19.24	ppb
Bismuth	209-1				102		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.25	0.44	0.35	0.35	26.49	ppb
Cadmium	106-1	-0.02	0.96	0.43	0.46	107.30	ppb
Cadmium	111-1	0.07	0.13	0.11	0.10	30.27	ppb
Calcium	43-1	4534.21	4582.35	4702.54	4606.37	1.88	ppb
Calcium	44-1	4376.11	4423.05	4526.69	4441.95	1.73	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12.02	12.12	12.26	12.13	0.99	ppb
Cobalt	59-2	9.02	9.30	9.18	9.17	1.54	ppb
Copper	63-2	20.04	20.43	20.42	20.30	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				103		%
Holmium	165-2				103		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	56-2	22974.95	23002.26	22988.50	22988.57	0.06	ppb
Iron	57-2	22972.15	23137.32	23247.67	23119.05	0.60	ppb
Iron	54-2	22789.85	23483.19	23074.52	23115.85	1.51	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-17DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:12:54	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	6.05	6.01	5.98	6.02	0.55	ppb
Lead	207-1	5.58	5.59	6.08	5.75	4.94	ppb
Lead	208-1	5.69	5.74	5.82	5.75	1.22	ppb
Lithium	6-1				98		%
Magnesium	24-2	4687.07	4667.27	4672.62	4675.66	0.22	ppb
Manganese	55-2	371.17	374.20	375.25	373.54	0.57	ppb
Molybdenum	94-1	4.28	4.58	4.52	4.46	3.53	ppb
Molybdenum	95-1	0.20	0.25	0.25	0.23	14.28	ppb
Molybdenum	96-1	0.80	0.81	0.85	0.82	3.04	ppb
Molybdenum	97-1	0.20	0.22	0.27	0.23	15.83	ppb
Molybdenum	98-1	0.17	0.21	0.25	0.21	17.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	10.41	10.73	10.50	10.55	1.60	ppb
Phosphorus	31-2	496.58	487.78	493.77	492.71	0.91	ppb
Potassium	39-2	882.23	887.82	880.00	883.35	0.46	ppb
Rhodium	103-1				102		%
Rhodium	103-2				100		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	82-1	0.19	0.29	0.54	0.34	52.30	ppb
Selenium	77-2	2.17	6.07	3.18	3.81	53.12	ppb
Selenium	78-2	3.14	0.22	2.21	1.85	80.41	ppb
Silicon	28-1	593.31	587.00	615.63	598.65	2.51	ppb
Silver	107-1	0.04	0.04	0.04	0.04	7.41	ppb
Silver	109-1	0.04	0.05	0.05	0.05	10.09	ppb
Sodium	23-2	77.86	79.94	76.52	78.11	2.20	ppb
Strontium	86-1	22.62	22.53	23.65	22.93	2.72	ppb
Strontium	88-1	21.82	23.12	22.84	22.60	3.02	ppb
Sulfur	34-1	-1547.67	-1744.33	-1597.96	-1629.99		ppb
Terbium	159-1				106		%
Terbium	159-2				103		%
Thallium	203-1	0.11	0.11	0.12	0.11	4.21	ppb
Thallium	205-1	0.11	0.11	0.11	0.11	2.97	ppb
Tin	118-1	0.57	0.66	0.61	0.61	6.98	ppb
Titanium	47-1	200.14	199.52	211.86	203.84	3.41	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-17DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:12:54	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.20	0.22	0.21	0.21	3.24	ppb
Vanadium	51-2	36.10	36.89	36.50	36.50	1.08	ppb
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	58.92	60.96	59.68	59.86	1.72	ppb
Zirconium	90-1	2.55	2.66	2.70	2.64	2.81	ppb
Zirconium	91-1	2.78	2.78	2.81	2.79	0.46	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDB88L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 20:16:07	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2419.41	2426.40	2426.73	2424.18	0.17	ppb
Antimony	121-1	0.04	0.04	0.04	0.04	11.04	ppb
Arsenic	75-2	2.46	2.67	2.26	2.46	8.33	ppb
Barium	135-1	18.15	18.41	18.45	18.34	0.88	ppb
Barium	137-1	18.53	17.93	18.58	18.35	1.98	ppb
Beryllium	9-1	0.08	0.06	0.11	0.08	28.15	ppb
Bismuth	209-1				103		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.00	0.06	0.03	0.03	104.17	ppb
Cadmium	106-1	0.52	-1.28	-0.37	-0.38		ppb
Cadmium	111-1	0.07	-0.07	-0.01	0.00		ppb
Calcium	43-1	911.53	923.07	939.75	924.78	1.53	ppb
Calcium	44-1	914.58	933.72	921.60	923.30	1.05	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.26	2.19	2.24	2.23	1.64	ppb
Cobalt	59-2	1.86	1.79	1.78	1.81	2.32	ppb
Copper	63-2	3.92	4.22	4.03	4.06	3.68	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				102		%
Holmium	165-2				102		%
Indium	115-1				103		%
Indium	115-2				100		%
Iron	56-2	4511.63	4579.23	4578.80	4556.55	0.85	ppb
Iron	57-2	4481.60	4564.61	4569.63	4538.61	1.09	ppb
Iron	54-2	4605.13	4660.47	4675.37	4646.99	0.80	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDB88L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 20:16:07	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.19	1.20	1.16	1.18	1.64	ppb
Lead	207-1	1.12	1.12	1.17	1.14	2.45	ppb
Lead	208-1	1.15	1.11	1.15	1.14	1.93	ppb
Lithium	6-1				101		%
Magnesium	24-2	921.45	930.09	924.42	925.32	0.47	ppb
Manganese	55-2	73.28	73.40	73.72	73.47	0.30	ppb
Molybdenum	94-1	0.93	0.88	0.88	0.90	2.98	ppb
Molybdenum	95-1	0.10	0.09	0.10	0.10	7.73	ppb
Molybdenum	96-1	0.21	0.21	0.21	0.21	0.38	ppb
Molybdenum	97-1	0.09	0.07	0.08	0.08	13.80	ppb
Molybdenum	98-1	0.08	0.10	0.08	0.09	13.22	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.25	2.18	2.08	2.17	3.85	ppb
Phosphorus	31-2	76.97	85.76	80.35	81.03	5.47	ppb
Potassium	39-2	172.36	173.56	176.82	174.25	1.32	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				99		%
Selenium	82-1	0.32	-0.45	0.62	0.16	338.34	ppb
Selenium	77-2	0.46	1.18	1.18	0.94	44.01	ppb
Selenium	78-2	0.19	-1.26	-0.61	-0.56		ppb
Silicon	28-1	135.75	134.04	129.38	133.06	2.48	ppb
Silver	107-1	0.02	0.01	0.02	0.02	28.43	ppb
Silver	109-1	0.02	0.02	0.02	0.02	8.44	ppb
Sodium	23-2	30.90	32.52	29.52	30.98	4.84	ppb
Strontium	86-1	4.50	4.49	4.65	4.54	1.96	ppb
Strontium	88-1	4.57	4.58	4.59	4.58	0.30	ppb
Sulfur	34-1	-1379.02	-1487.14	-1695.96	-1520.71		ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	0.05	0.05	0.05	0.05	4.51	ppb
Thallium	205-1	0.05	0.05	0.06	0.05	8.11	ppb
Tin	118-1	0.11	0.15	0.18	0.15	21.83	ppb
Titanium	47-1	38.50	39.97	39.09	39.19	1.89	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDB88L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 20:16:07	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.04	0.04	0.04	0.04	6.16	ppb
Vanadium	51-2	7.20	7.04	7.22	7.15	1.41	ppb
Yttrium	89-1				101		%
Yttrium	89-2				101		%
Zinc	66-2	7.71	8.11	7.95	7.92	2.55	ppb
Zirconium	90-1	0.50	0.51	0.48	0.50	3.83	ppb
Zirconium	91-1	0.47	0.49	0.54	0.50	6.99	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-18DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:19:23	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12516.19	12476.50	12301.87	12431.52	0.92	ppb
Antimony	121-1	16.67	17.37	16.91	16.98	2.10	ppb
Arsenic	75-2	18.07	18.17	18.37	18.20	0.85	ppb
Barium	135-1	393.04	402.80	387.60	394.48	1.95	ppb
Barium	137-1	393.03	398.18	407.78	399.66	1.87	ppb
Beryllium	9-1	8.89	8.56	8.91	8.79	2.26	ppb
Bismuth	209-1				103		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	7.74	8.73	8.51	8.32	6.22	ppb
Cadmium	106-1	8.92	8.70	7.95	8.53	6.02	ppb
Cadmium	111-1	8.78	9.68	9.07	9.18	5.02	ppb
Calcium	43-1	4675.87	4765.03	4758.27	4733.06	1.05	ppb
Calcium	44-1	4440.57	4623.27	4577.19	4547.01	2.09	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	45.14	45.31	45.04	45.16	0.30	ppb
Cobalt	59-2	92.15	93.09	91.98	92.41	0.64	ppb
Copper	63-2	58.79	59.25	59.80	59.28	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				100		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				102		%
Iron	56-2	22700.38	22840.96	22732.51	22757.95	0.32	ppb
Iron	57-2	22784.75	22867.16	22845.42	22832.44	0.19	ppb
Iron	54-2	22874.24	23141.06	22608.92	22874.74	1.16	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-18DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:19:23	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	8.86	8.45	8.92	8.75	2.92	ppb
Lead	207-1	8.53	7.91	8.71	8.38	5.03	ppb
Lead	208-1	8.57	8.21	8.70	8.49	2.96	ppb
Lithium	6-1				99		%
Magnesium	24-2	4565.94	4598.83	4561.92	4575.56	0.44	ppb
Manganese	55-2	447.55	453.15	447.56	449.42	0.72	ppb
Molybdenum	94-1	4.33	4.24	4.57	4.38	3.87	ppb
Molybdenum	95-1	0.17	0.17	0.17	0.17	1.28	ppb
Molybdenum	96-1	0.72	0.73	0.76	0.74	2.69	ppb
Molybdenum	97-1	0.17	0.15	0.16	0.16	8.31	ppb
Molybdenum	98-1	0.16	0.16	0.17	0.17	4.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	97.69	97.10	96.26	97.02	0.74	ppb
Phosphorus	31-2	492.07	481.14	473.28	482.16	1.96	ppb
Potassium	39-2	864.48	877.28	869.47	870.41	0.74	ppb
Rhodium	103-1				99		%
Rhodium	103-2				101		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	20.46	18.73	19.87	19.69	4.46	ppb
Selenium	77-2	29.08	21.84	21.29	24.07	18.07	ppb
Selenium	78-2	22.71	22.41	22.74	22.62	0.80	ppb
Silicon	28-1	605.75	593.83	611.06	603.54	1.46	ppb
Silver	107-1	6.64	6.91	6.59	6.71	2.62	ppb
Silver	109-1	6.57	6.61	6.96	6.72	3.22	ppb
Sodium	23-2	80.59	82.03	83.32	81.98	1.67	ppb
Strontium	86-1	21.89	20.79	22.46	21.72	3.91	ppb
Strontium	88-1	21.91	20.95	22.52	21.79	3.62	ppb
Sulfur	34-1	-1675.39	-1953.97	-1769.04	-1799.47		ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	7.45	6.85	7.65	7.32	5.71	ppb
Thallium	205-1	7.43	7.27	7.62	7.44	2.36	ppb
Tin	118-1	1.59	1.64	1.62	1.61	1.58	ppb
Titanium	47-1	194.99	193.31	199.09	195.80	1.52	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-18DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:19:23	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.21	0.19	0.22	0.21	7.81	ppb
Vanadium	51-2	118.95	119.16	118.76	118.96	0.17	ppb
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	146.12	145.89	145.04	145.69	0.39	ppb
Zirconium	90-1	2.53	2.43	2.57	2.51	2.94	ppb
Zirconium	91-1	2.55	2.46	2.64	2.55	3.51	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:22:36	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12940.39	13204.49	12903.54	13016.14	1.26	ppb
Antimony	121-1	69.59	71.20	71.78	70.86	1.60	ppb
Arsenic	75-2	40.78	40.71	39.60	40.37	1.64	ppb
Barium	135-1	1513.10	1539.82	1555.32	1536.08	1.39	ppb
Barium	137-1	1499.23	1546.70	1537.38	1527.77	1.65	ppb
Beryllium	9-1	35.41	36.83	36.56	36.27	2.08	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	33.42	35.95	34.23	34.53	3.73	ppb
Cadmium	106-1	31.77	33.85	34.83	33.48	4.67	ppb
Cadmium	111-1	36.69	37.38	38.03	37.37	1.79	ppb
Calcium	43-1	4412.69	4437.79	4505.05	4451.84	1.07	ppb
Calcium	44-1	4403.89	4424.11	4534.85	4454.28	1.58	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	157.27	157.64	156.75	157.22	0.28	ppb
Cobalt	59-2	380.63	384.39	379.16	381.39	0.71	ppb
Copper	63-2	186.99	188.74	186.92	187.55	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				102		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	22619.20	22551.86	22400.36	22523.81	0.50	ppb
Iron	57-2	22645.01	22620.09	22511.32	22592.14	0.31	ppb
Iron	54-2	22738.60	22635.07	22850.23	22741.30	0.47	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:22:36	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	18.18	18.37	18.20	18.25	0.58	ppb
Lead	207-1	17.33	17.82	17.77	17.64	1.54	ppb
Lead	208-1	17.74	18.15	17.77	17.89	1.29	ppb
Lithium	6-1				100		%
Magnesium	24-2	4395.90	4440.29	4398.50	4411.56	0.56	ppb
Manganese	55-2	712.01	714.52	707.19	711.24	0.52	ppb
Molybdenum	94-1	4.31	4.24	4.32	4.29	0.95	ppb
Molybdenum	95-1	0.18	0.15	0.19	0.18	10.76	ppb
Molybdenum	96-1	0.77	0.72	0.75	0.75	3.97	ppb
Molybdenum	97-1	0.14	0.18	0.16	0.16	11.26	ppb
Molybdenum	98-1	0.18	0.17	0.18	0.17	1.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	382.12	385.17	383.50	383.60	0.40	ppb
Phosphorus	31-2	449.39	465.88	464.33	459.87	1.98	ppb
Potassium	39-2	820.04	831.46	827.47	826.32	0.70	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	82-1	71.52	69.73	70.99	70.75	1.30	ppb
Selenium	77-2	79.84	64.93	67.51	70.76	11.26	ppb
Selenium	78-2	72.64	76.18	74.92	74.58	2.40	ppb
Silicon	28-1	584.34	578.55	599.41	587.44	1.83	ppb
Silver	107-1	22.34	22.91	22.94	22.73	1.48	ppb
Silver	109-1	22.49	22.82	22.82	22.71	0.83	ppb
Sodium	23-2	67.65	69.02	69.03	68.57	1.16	ppb
Strontium	86-1	21.16	21.31	20.96	21.15	0.83	ppb
Strontium	88-1	21.27	21.36	21.31	21.31	0.20	ppb
Sulfur	34-1	-1889.20	-2075.15	-1966.55	-1976.97		ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	31.47	31.71	31.39	31.52	0.54	ppb
Thallium	205-1	31.11	31.66	31.44	31.40	0.88	ppb
Tin	118-1	0.53	0.59	0.58	0.57	5.82	ppb
Titanium	47-1	189.17	188.50	195.46	191.04	2.01	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:22:36	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.19	0.19	0.18	0.18	3.39	ppb
Vanadium	51-2	395.04	395.38	395.25	395.22	0.04	ppb
Yttrium	89-1				103		%
Yttrium	89-2				101		%
Zinc	66-2	386.84	386.24	386.76	386.62	0.08	ppb
Zirconium	90-1	2.44	2.40	2.44	2.43	1.09	ppb
Zirconium	91-1	2.48	2.49	2.54	2.50	1.33	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16A	Instrumnet Name :	P7
Client Sample ID :	MYDB88ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 20:25:47	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47112.18	47840.06	48134.81	47695.68	1.10	ppb
Antimony	121-1	0.53	0.54	0.56	0.54	2.32	ppb
Arsenic	75-2	46.10	44.70	45.46	45.42	1.54	ppb
Barium	135-1	373.48	382.78	380.67	378.98	1.29	ppb
Barium	137-1	371.30	378.30	377.67	375.75	1.03	ppb
Beryllium	9-1	1.68	1.64	1.94	1.75	9.25	ppb
Bismuth	209-1				105		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.05	1.08	0.88	1.01	10.80	ppb
Cadmium	106-1	3.34	2.07	0.98	2.13	55.30	ppb
Cadmium	111-1	0.51	0.43	0.32	0.42	21.80	ppb
Calcium	43-1	17603.23	18256.19	17592.05	17817.16	2.13	ppb
Calcium	44-1	17074.96	17890.41	17089.39	17351.59	2.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	43.82	43.90	44.06	43.92	0.28	ppb
Cobalt	59-2	35.10	35.40	35.45	35.32	0.53	ppb
Copper	63-2	76.49	76.34	77.00	76.61	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				105		%
Holmium	165-2				103		%
Indium	115-1				104		%
Indium	115-2				99		%
Iron	56-2	88276.18	89935.91	89568.04	89260.05	0.98	ppb
Iron	57-2	86869.48	87066.97	88048.34	87328.26	0.72	ppb
Iron	54-2	88620.45	88496.84	89147.71	88755.00	0.39	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16A	Instrumnet Name :	P7
Client Sample ID :	MYDB88ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 20:25:47	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	23.19	23.46	23.67	23.44	1.02	ppb
Lead	207-1	21.83	22.01	22.28	22.04	1.03	ppb
Lead	208-1	22.29	22.43	22.62	22.44	0.73	ppb
Lithium	6-1				98		%
Magnesium	24-2	17719.27	17681.37	17694.54	17698.39	0.11	ppb
Manganese	55-2	1435.10	1445.12	1427.64	1435.95	0.61	ppb
Molybdenum	94-1	15.47	16.20	15.99	15.89	2.36	ppb
Molybdenum	95-1	0.61	0.65	0.71	0.66	7.63	ppb
Molybdenum	96-1	2.58	2.76	2.71	2.68	3.50	ppb
Molybdenum	97-1	0.66	0.72	0.66	0.68	5.00	ppb
Molybdenum	98-1	0.62	0.64	0.67	0.64	4.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	40.73	41.00	40.84	40.86	0.33	ppb
Phosphorus	31-2	1884.89	1887.52	1908.70	1893.70	0.69	ppb
Potassium	39-2	3216.09	3252.07	3282.14	3250.10	1.02	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				108		%
Scandium	45-2				108		%
Selenium	82-1	0.80	1.38	0.57	0.92	45.34	ppb
Selenium	77-2	20.34	22.28	18.64	20.42	8.91	ppb
Selenium	78-2	1.16	3.61	2.75	2.50	49.68	ppb
Silicon	28-1	2707.13	2718.89	2658.38	2694.80	1.19	ppb
Silver	107-1	1.41	1.41	1.36	1.39	1.92	ppb
Silver	109-1	1.34	1.34	1.28	1.32	2.66	ppb
Sodium	23-2	231.56	239.83	237.62	236.34	1.81	ppb
Strontium	86-1	81.98	84.69	84.90	83.86	1.95	ppb
Strontium	88-1	85.98	86.26	87.60	86.62	1.00	ppb
Sulfur	34-1	-2703.19	-2640.84	-2874.27	-2739.43		ppb
Terbium	159-1				105		%
Terbium	159-2				103		%
Thallium	203-1	0.24	0.24	0.28	0.25	8.03	ppb
Thallium	205-1	0.24	0.27	0.25	0.25	5.19	ppb
Tin	118-1	2.34	2.44	2.36	2.38	2.33	ppb
Titanium	47-1	780.75	802.80	791.11	791.56	1.39	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16A	Instrumnet Name :	P7
Client Sample ID :	MYDB88ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 20:25:47	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.81	0.83	0.81	0.82	1.59	ppb
Vanadium	51-2	141.63	141.32	141.66	141.53	0.13	ppb
Yttrium	89-1				113		%
Yttrium	89-2				111		%
Zinc	66-2	157.61	157.21	153.19	156.00	1.57	ppb
Zirconium	90-1	8.90	9.29	9.32	9.17	2.56	ppb
Zirconium	91-1	9.00	9.41	9.22	9.21	2.23	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:28:55	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8885.78	8763.08	8733.30	8794.06	0.92	ppb
Antimony	121-1	0.41	0.43	0.40	0.41	3.48	ppb
Arsenic	75-2	19.37	19.71	20.05	19.71	1.71	ppb
Barium	135-1	85.82	86.44	90.08	87.45	2.63	ppb
Barium	137-1	85.07	87.02	85.73	85.94	1.15	ppb
Beryllium	9-1	0.20	0.37	0.25	0.27	31.96	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.48	0.76	0.48	0.57	27.75	ppb
Cadmium	106-1	1.27	0.68	0.58	0.84	44.14	ppb
Cadmium	111-1	0.63	0.52	0.53	0.56	10.13	ppb
Calcium	43-1	7387.31	7563.88	7190.35	7380.51	2.53	ppb
Calcium	44-1	7195.39	7040.26	7113.91	7116.52	1.09	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	18.79	18.82	18.72	18.78	0.28	ppb
Cobalt	59-2	8.47	8.55	8.58	8.53	0.67	ppb
Copper	63-2	83.43	84.59	82.79	83.60	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				104		%
Holmium	165-2				102		%
Indium	115-1				103		%
Indium	115-2				99		%
Iron	56-2	18769.80	18883.31	18510.16	18721.09	1.02	ppb
Iron	57-2	18888.52	19036.75	18723.55	18882.94	0.83	ppb
Iron	54-2	18943.33	18904.96	18732.27	18860.18	0.60	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:28:55	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	42.18	43.95	46.70	44.28	5.14	ppb
Lead	207-1	39.78	41.92	43.23	41.64	4.19	ppb
Lead	208-1	41.02	43.69	43.80	42.84	3.68	ppb
Lithium	6-1				103		%
Magnesium	24-2	4136.88	4213.12	4127.42	4159.14	1.13	ppb
Manganese	55-2	312.45	315.82	311.74	313.34	0.70	ppb
Molybdenum	94-1	2.31	2.48	2.38	2.39	3.60	ppb
Molybdenum	95-1	0.22	0.20	0.26	0.23	12.38	ppb
Molybdenum	96-1	0.52	0.54	0.57	0.54	4.74	ppb
Molybdenum	97-1	0.23	0.21	0.27	0.24	13.62	ppb
Molybdenum	98-1	0.21	0.23	0.23	0.22	5.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	14.41	14.45	14.52	14.46	0.37	ppb
Phosphorus	31-2	511.91	538.86	510.14	520.30	3.09	ppb
Potassium	39-2	1983.79	2000.12	1961.65	1981.85	0.97	ppb
Rhodium	103-1				97		%
Rhodium	103-2				101		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	0.26	0.38	0.38	0.34	20.46	ppb
Selenium	77-2	4.30	2.93	2.60	3.28	27.62	ppb
Selenium	78-2	-1.20	1.35	-0.83	-0.23		ppb
Silicon	28-1	515.60	526.66	528.64	523.63	1.34	ppb
Silver	107-1	0.21	0.20	0.20	0.21	2.58	ppb
Silver	109-1	0.20	0.20	0.22	0.21	4.66	ppb
Sodium	23-2	207.20	210.78	209.77	209.25	0.88	ppb
Strontium	86-1	24.37	25.85	26.80	25.68	4.78	ppb
Strontium	88-1	24.57	26.58	25.98	25.71	4.01	ppb
Sulfur	34-1	-1553.99	-1622.86	-1876.60	-1684.48		ppb
Terbium	159-1				101		%
Terbium	159-2				103		%
Thallium	203-1	0.10	0.10	0.11	0.10	8.22	ppb
Thallium	205-1	0.13	0.12	0.11	0.12	8.23	ppb
Tin	118-1	8.27	8.57	8.52	8.45	1.87	ppb
Titanium	47-1	226.08	230.34	229.35	228.59	0.98	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:28:55	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.18	0.20	0.20	0.19	4.08	ppb
Vanadium	51-2	36.44	36.38	35.54	36.12	1.39	ppb
Yttrium	89-1				102		%
Yttrium	89-2				101		%
Zinc	66-2	112.74	114.62	111.97	113.11	1.20	ppb
Zirconium	90-1	1.30	1.36	1.44	1.37	5.15	ppb
Zirconium	91-1	1.29	1.46	1.37	1.37	6.16	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-10DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:32:10	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8990.57	8629.83	8733.61	8784.67	2.11	ppb
Antimony	121-1	0.43	0.44	0.39	0.42	6.92	ppb
Arsenic	75-2	18.84	19.69	19.45	19.32	2.26	ppb
Barium	135-1	78.87	87.14	78.68	81.56	5.92	ppb
Barium	137-1	81.95	86.24	83.54	83.91	2.58	ppb
Beryllium	9-1	0.35	0.30	0.29	0.32	11.02	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.47	0.62	0.49	0.53	14.87	ppb
Cadmium	106-1	0.50	0.02	0.64	0.39	84.34	ppb
Cadmium	111-1	0.49	0.54	0.56	0.53	7.16	ppb
Calcium	43-1	7405.02	7544.13	7352.44	7433.86	1.33	ppb
Calcium	44-1	7103.33	6987.26	7165.24	7085.27	1.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	18.53	18.58	18.37	18.49	0.60	ppb
Cobalt	59-2	8.67	8.49	8.72	8.62	1.40	ppb
Copper	63-2	86.65	84.55	84.90	85.36	1.32	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				103		%
Holmium	165-2				102		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	56-2	19033.81	19011.79	18932.15	18992.58	0.28	ppb
Iron	57-2	19138.22	19103.99	19195.68	19145.97	0.24	ppb
Iron	54-2	19280.06	19171.95	19209.69	19220.56	0.29	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-10DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:32:10	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	42.80	41.89	42.81	42.50	1.25	ppb
Lead	207-1	43.48	39.28	43.48	42.08	5.76	ppb
Lead	208-1	41.92	41.36	42.00	41.76	0.83	ppb
Lithium	6-1				99		%
Magnesium	24-2	4232.47	4170.11	4183.14	4195.24	0.78	ppb
Manganese	55-2	317.17	314.97	315.49	315.88	0.36	ppb
Molybdenum	94-1	2.41	2.37	2.46	2.42	1.82	ppb
Molybdenum	95-1	0.29	0.31	0.33	0.31	7.00	ppb
Molybdenum	96-1	0.64	0.63	0.70	0.66	5.67	ppb
Molybdenum	97-1	0.31	0.27	0.30	0.30	6.76	ppb
Molybdenum	98-1	0.28	0.28	0.31	0.29	6.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	14.65	14.33	14.24	14.41	1.48	ppb
Phosphorus	31-2	532.72	532.87	525.53	530.37	0.79	ppb
Potassium	39-2	1992.28	1979.65	1989.62	1987.18	0.34	ppb
Rhodium	103-1				102		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.46	1.09	0.55	0.70	48.91	ppb
Selenium	77-2	1.89	2.90	2.90	2.56	22.71	ppb
Selenium	78-2	-0.71	-0.59	0.68	-0.21		ppb
Silicon	28-1	490.67	471.31	479.94	480.64	2.02	ppb
Silver	107-1	0.18	0.23	0.19	0.20	14.69	ppb
Silver	109-1	0.21	0.20	0.20	0.20	3.16	ppb
Sodium	23-2	208.05	208.19	206.12	207.46	0.56	ppb
Strontium	86-1	27.55	25.53	26.94	26.68	3.89	ppb
Strontium	88-1	25.76	26.33	26.55	26.21	1.56	ppb
Sulfur	34-1	-1200.75	-1544.50	-1458.03	-1401.09		ppb
Terbium	159-1				107		%
Terbium	159-2				103		%
Thallium	203-1	0.10	0.08	0.12	0.10	21.09	ppb
Thallium	205-1	0.10	0.10	0.11	0.10	5.68	ppb
Tin	118-1	10.04	10.28	9.94	10.09	1.73	ppb
Titanium	47-1	239.39	226.54	232.75	232.89	2.76	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-10DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:32:10	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.20	0.19	0.20	0.20	1.32	ppb
Vanadium	51-2	36.72	36.01	36.06	36.26	1.08	ppb
Yttrium	89-1				102		%
Yttrium	89-2				102		%
Zinc	66-2	114.65	113.03	114.12	113.93	0.73	ppb
Zirconium	90-1	1.30	1.30	1.33	1.31	1.46	ppb
Zirconium	91-1	1.32	1.27	1.46	1.35	7.45	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBA0L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 20:35:22	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1738.32	1724.85	1737.45	1733.54	0.43	ppb
Antimony	121-1	0.09	0.09	0.08	0.09	6.41	ppb
Arsenic	75-2	3.87	3.80	3.98	3.88	2.36	ppb
Barium	135-1	18.36	17.01	16.66	17.34	5.17	ppb
Barium	137-1	18.65	16.91	16.66	17.40	6.24	ppb
Beryllium	9-1	0.04	0.03	0.04	0.04	11.68	ppb
Bismuth	209-1				100		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.08	0.13	0.16	0.12	33.74	ppb
Cadmium	106-1	0.56	0.46	0.45	0.49	12.56	ppb
Cadmium	111-1	0.16	0.10	0.14	0.13	24.76	ppb
Calcium	43-1	1632.72	1505.03	1460.70	1532.82	5.83	ppb
Calcium	44-1	1641.11	1492.71	1488.81	1540.88	5.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.85	3.56	3.84	3.75	4.43	ppb
Cobalt	59-2	1.67	1.65	1.65	1.66	0.52	ppb
Copper	63-2	16.66	16.89	16.47	16.68	1.27	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				104		%
Indium	115-1				99		%
Indium	115-2				100		%
Iron	56-2	3697.47	3700.19	3733.62	3710.42	0.54	ppb
Iron	57-2	3739.37	3734.24	3757.32	3743.65	0.32	ppb
Iron	54-2	3802.61	3810.02	3817.12	3809.92	0.19	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBA0L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 20:35:22	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	9.45	8.71	8.69	8.95	4.87	ppb
Lead	207-1	9.34	8.42	8.60	8.79	5.51	ppb
Lead	208-1	9.35	8.46	8.53	8.78	5.67	ppb
Lithium	6-1				100		%
Magnesium	24-2	826.31	824.92	827.26	826.16	0.14	ppb
Manganese	55-2	62.29	62.80	62.47	62.52	0.42	ppb
Molybdenum	94-1	0.57	0.46	0.46	0.49	13.07	ppb
Molybdenum	95-1	0.05	0.04	0.03	0.04	31.00	ppb
Molybdenum	96-1	0.13	0.10	0.12	0.12	14.40	ppb
Molybdenum	97-1	0.03	0.01	0.07	0.04	74.08	ppb
Molybdenum	98-1	0.04	0.03	0.04	0.04	21.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.80	2.95	2.73	2.83	3.86	ppb
Phosphorus	31-2	87.87	98.81	83.30	89.99	8.85	ppb
Potassium	39-2	391.71	389.38	388.26	389.78	0.45	ppb
Rhodium	103-1				98		%
Rhodium	103-2				101		%
Scandium	45-1				98		%
Scandium	45-2				99		%
Selenium	82-1	0.86	-0.32	0.82	0.45	147.38	ppb
Selenium	77-2	0.12	1.20	0.84	0.72	76.69	ppb
Selenium	78-2	0.05	0.97	-0.04	0.33	171.61	ppb
Silicon	28-1	117.72	103.23	102.97	107.97	7.82	ppb
Silver	107-1	0.05	0.04	0.04	0.04	13.27	ppb
Silver	109-1	0.04	0.04	0.04	0.04	3.24	ppb
Sodium	23-2	54.22	53.65	51.81	53.23	2.37	ppb
Strontium	86-1	6.08	5.22	5.37	5.56	8.24	ppb
Strontium	88-1	5.79	5.23	5.25	5.42	5.88	ppb
Sulfur	34-1	-661.05	-1553.69	-1655.69	-1290.14		ppb
Terbium	159-1				100		%
Terbium	159-2				102		%
Thallium	203-1	0.05	0.03	0.04	0.04	24.57	ppb
Thallium	205-1	0.05	0.04	0.04	0.04	16.55	ppb
Tin	118-1	1.87	1.72	1.72	1.77	4.99	ppb
Titanium	47-1	51.23	46.28	46.82	48.11	5.65	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBA0L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 20:35:22	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.04	0.04	0.03	0.04	12.41	ppb
Vanadium	51-2	7.27	7.14	7.10	7.17	1.20	ppb
Yttrium	89-1				98		%
Yttrium	89-2				100		%
Zinc	66-2	22.58	22.71	20.86	22.05	4.70	ppb
Zirconium	90-1	0.30	0.29	0.28	0.29	4.16	ppb
Zirconium	91-1	0.30	0.30	0.27	0.29	6.88	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-11DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:38:40	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9203.13	8892.24	9104.35	9066.58	1.75	ppb
Antimony	121-1	16.51	17.40	17.03	16.98	2.66	ppb
Arsenic	75-2	25.62	25.81	25.69	25.71	0.37	ppb
Barium	135-1	437.35	421.37	439.47	432.73	2.29	ppb
Barium	137-1	425.63	424.47	431.89	427.33	0.93	ppb
Beryllium	9-1	10.13	9.77	8.92	9.61	6.47	ppb
Bismuth	209-1				103		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.26	8.11	8.35	8.24	1.46	ppb
Cadmium	106-1	8.17	8.65	7.41	8.08	7.74	ppb
Cadmium	111-1	8.94	9.37	9.98	9.43	5.55	ppb
Calcium	43-1	7132.76	7766.91	7259.73	7386.46	4.54	ppb
Calcium	44-1	7065.34	7183.09	7195.42	7147.95	1.00	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	56.66	57.13	56.78	56.86	0.43	ppb
Cobalt	59-2	102.91	101.94	103.71	102.85	0.86	ppb
Copper	63-2	127.60	128.19	127.66	127.82	0.25	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				101		%
Indium	115-1				102		%
Indium	115-2				99		%
Iron	56-2	19029.67	18866.85	18857.10	18917.87	0.51	ppb
Iron	57-2	19103.94	19036.01	19174.54	19104.83	0.36	ppb
Iron	54-2	19086.07	19051.74	19015.42	19051.08	0.19	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-11DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:38:40	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	48.45	46.27	45.44	46.72	3.33	ppb
Lead	207-1	46.17	43.39	42.26	43.94	4.59	ppb
Lead	208-1	46.13	46.16	43.39	45.23	3.52	ppb
Lithium	6-1				101		%
Magnesium	24-2	4177.61	4170.22	4188.97	4178.93	0.23	ppb
Manganese	55-2	408.66	406.82	408.81	408.10	0.27	ppb
Molybdenum	94-1	2.55	2.49	2.44	2.50	2.21	ppb
Molybdenum	95-1	0.31	0.28	0.26	0.28	7.51	ppb
Molybdenum	96-1	0.69	0.63	0.60	0.64	7.02	ppb
Molybdenum	97-1	0.35	0.25	0.28	0.29	17.00	ppb
Molybdenum	98-1	0.29	0.27	0.27	0.28	3.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	110.99	110.48	112.46	111.31	0.92	ppb
Phosphorus	31-2	542.44	527.85	523.86	531.38	1.84	ppb
Potassium	39-2	1980.78	1967.80	1997.54	1982.04	0.75	ppb
Rhodium	103-1				98		%
Rhodium	103-2				101		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	21.25	20.00	19.57	20.27	4.31	ppb
Selenium	77-2	20.27	18.93	22.10	20.43	7.79	ppb
Selenium	78-2	18.10	20.49	21.75	20.11	9.22	ppb
Silicon	28-1	520.34	523.27	491.28	511.63	3.46	ppb
Silver	107-1	7.65	8.05	8.49	8.06	5.18	ppb
Silver	109-1	7.69	7.94	8.02	7.88	2.18	ppb
Sodium	23-2	203.29	203.25	203.88	203.47	0.17	ppb
Strontium	86-1	27.29	25.35	25.16	25.94	4.55	ppb
Strontium	88-1	26.10	26.45	25.17	25.90	2.55	ppb
Sulfur	34-1	-1541.85	-1391.19	-1824.61	-1585.88		ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	7.48	7.18	6.99	7.22	3.45	ppb
Thallium	205-1	7.31	7.66	6.95	7.31	4.88	ppb
Tin	118-1	8.86	8.72	8.73	8.77	0.91	ppb
Titanium	47-1	234.33	234.22	222.12	230.22	3.05	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-11DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:38:40	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.21	0.21	0.20	0.20	3.67	ppb
Vanadium	51-2	130.28	129.45	130.01	129.91	0.33	ppb
Yttrium	89-1				102		%
Yttrium	89-2				101		%
Zinc	66-2	207.07	205.02	205.52	205.87	0.52	ppb
Zirconium	90-1	1.39	1.32	1.36	1.35	2.74	ppb
Zirconium	91-1	1.38	1.38	1.27	1.34	4.69	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:41:52	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10164.40	9981.94	10009.31	10051.88	0.98	ppb
Antimony	121-1	74.96	75.33	78.26	76.18	2.38	ppb
Arsenic	75-2	50.10	48.85	49.07	49.34	1.35	ppb
Barium	135-1	1613.28	1622.32	1676.56	1637.39	2.09	ppb
Barium	137-1	1634.73	1609.32	1678.13	1640.73	2.12	ppb
Beryllium	9-1	38.40	40.37	41.20	39.99	3.59	ppb
Bismuth	209-1				101		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	36.84	37.14	37.06	37.01	0.42	ppb
Cadmium	106-1	35.39	36.25	38.60	36.75	4.51	ppb
Cadmium	111-1	39.40	40.26	42.20	40.62	3.53	ppb
Calcium	43-1	7090.18	7229.37	7390.32	7236.62	2.08	ppb
Calcium	44-1	6850.34	7163.30	7048.70	7020.78	2.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	172.91	172.94	174.23	173.36	0.43	ppb
Cobalt	59-2	403.36	401.05	395.79	400.07	0.97	ppb
Copper	63-2	261.86	262.29	261.13	261.76	0.22	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				102		%
Holmium	165-2				102		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	19035.63	18929.46	19225.78	19063.62	0.79	ppb
Iron	57-2	19439.17	19296.80	19255.40	19330.46	0.50	ppb
Iron	54-2	19345.02	19034.96	19554.86	19311.61	1.35	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:41:52	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	55.49	57.66	58.64	57.27	2.81	ppb
Lead	207-1	52.88	55.47	56.50	54.95	3.39	ppb
Lead	208-1	53.80	56.22	57.04	55.69	3.03	ppb
Lithium	6-1				95		%
Magnesium	24-2	4120.31	4085.29	4076.88	4094.16	0.56	ppb
Manganese	55-2	691.76	682.10	688.63	687.50	0.72	ppb
Molybdenum	94-1	2.45	2.48	2.58	2.50	2.62	ppb
Molybdenum	95-1	0.24	0.28	0.22	0.24	12.21	ppb
Molybdenum	96-1	0.59	0.65	0.56	0.60	7.30	ppb
Molybdenum	97-1	0.18	0.23	0.21	0.21	11.14	ppb
Molybdenum	98-1	0.24	0.25	0.25	0.25	2.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	411.54	409.98	412.50	411.34	0.31	ppb
Phosphorus	31-2	534.38	525.08	503.56	521.01	3.03	ppb
Potassium	39-2	1962.99	1948.74	1948.86	1953.53	0.42	ppb
Rhodium	103-1				98		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	87.82	85.60	90.44	87.95	2.76	ppb
Selenium	77-2	92.35	88.00	89.05	89.80	2.53	ppb
Selenium	78-2	89.27	90.27	85.18	88.24	3.06	ppb
Silicon	28-1	497.27	504.29	503.58	501.71	0.77	ppb
Silver	107-1	26.68	27.09	27.81	27.19	2.09	ppb
Silver	109-1	26.57	26.72	28.15	27.14	3.22	ppb
Sodium	23-2	198.52	199.16	194.44	197.37	1.30	ppb
Strontium	86-1	24.61	25.51	25.99	25.37	2.77	ppb
Strontium	88-1	25.09	25.39	26.20	25.56	2.25	ppb
Sulfur	34-1	-1674.52	-1706.97	-1738.87	-1706.79		ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	33.18	33.70	34.59	33.82	2.11	ppb
Thallium	205-1	32.53	34.37	35.02	33.97	3.80	ppb
Tin	118-1	8.88	8.81	9.19	8.96	2.28	ppb
Titanium	47-1	222.62	228.70	229.43	226.92	1.65	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:41:52	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.19	0.19	0.19	0.19	2.00	ppb
Vanadium	51-2	420.42	417.47	418.73	418.87	0.35	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	485.32	481.89	482.31	483.17	0.39	ppb
Zirconium	90-1	1.31	1.33	1.35	1.33	1.46	ppb
Zirconium	91-1	1.38	1.32	1.44	1.38	4.31	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-08DLX5	Instrumnet Name :	P7
Client Sample ID :	MYDB99	Dilution Factor :	5
Date & Time Acquired :	2024-10-29 20:45:02	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	33668.26	33790.29	33934.36	33797.63	0.39	ppb
Antimony	121-1	1.53	1.56	1.67	1.59	4.80	ppb
Arsenic	75-2	75.50	78.21	76.12	76.61	1.85	ppb
Barium	135-1	338.06	344.93	351.40	344.80	1.94	ppb
Barium	137-1	338.17	346.75	351.01	345.31	1.89	ppb
Beryllium	9-1	1.22	1.37	1.43	1.34	7.96	ppb
Bismuth	209-1				106		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.82	2.37	2.73	2.30	19.81	ppb
Cadmium	106-1	2.88	3.05	3.80	3.25	15.09	ppb
Cadmium	111-1	2.21	2.39	2.39	2.33	4.46	ppb
Calcium	43-1	27923.63	28403.53	28906.86	28411.34	1.73	ppb
Calcium	44-1	27231.74	27185.78	27850.25	27422.59	1.35	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	72.73	72.68	72.57	72.66	0.11	ppb
Cobalt	59-2	33.06	33.04	33.28	33.13	0.40	ppb
Copper	63-2	321.35	321.78	323.88	322.34	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				106		%
Holmium	165-2				103		%
Indium	115-1				103		%
Indium	115-2				100		%
Iron	56-2	72146.65	72479.12	73198.70	72608.16	0.74	ppb
Iron	57-2	70832.06	71750.36	70639.63	71074.02	0.84	ppb
Iron	54-2	71590.09	72754.04	72861.91	72402.01	0.97	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-08DLX5	Instrumnet Name :	P7
Client Sample ID :	MYDB99	Dilution Factor :	5
Date & Time Acquired :	2024-10-29 20:45:02	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	546.77	544.59	562.79	551.38	1.80	ppb
Lead	207-1	546.97	541.34	562.71	550.34	2.01	ppb
Lead	208-1	541.96	544.27	557.38	547.87	1.52	ppb
Lithium	6-1				94		%
Magnesium	24-2	16005.19	15853.28	15768.50	15875.65	0.76	ppb
Manganese	55-2	1225.29	1240.47	1230.64	1232.13	0.62	ppb
Molybdenum	94-1	10.32	10.17	10.38	10.29	1.04	ppb
Molybdenum	95-1	0.96	0.94	0.95	0.95	1.12	ppb
Molybdenum	96-1	2.25	2.33	2.43	2.34	3.79	ppb
Molybdenum	97-1	0.91	0.96	0.92	0.93	2.50	ppb
Molybdenum	98-1	0.87	0.95	1.01	0.94	7.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	55.81	56.15	55.75	55.90	0.39	ppb
Phosphorus	31-2	2083.37	2161.01	2116.32	2120.23	1.84	ppb
Potassium	39-2	7375.55	7391.10	7323.67	7363.44	0.48	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				108		%
Scandium	45-2				108		%
Selenium	82-1	0.98	1.01	1.31	1.10	16.62	ppb
Selenium	77-2	14.59	12.04	11.20	12.61	14.00	ppb
Selenium	78-2	3.79	0.17	2.57	2.18	84.56	ppb
Silicon	28-1	2325.82	2327.66	2364.93	2339.47	0.94	ppb
Silver	107-1	2.04	2.02	2.09	2.05	1.61	ppb
Silver	109-1	2.07	2.03	1.97	2.02	2.61	ppb
Sodium	23-2	758.06	750.61	762.05	756.91	0.77	ppb
Strontium	86-1	100.62	99.81	103.04	101.16	1.66	ppb
Strontium	88-1	103.99	105.05	106.52	105.19	1.21	ppb
Sulfur	34-1	-1775.89	-1896.41	-1707.56	-1793.29		ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	0.32	0.29	0.35	0.32	8.81	ppb
Thallium	205-1	0.33	0.34	0.36	0.34	4.82	ppb
Tin	118-1	33.00	33.70	33.84	33.52	1.35	ppb
Titanium	47-1	912.19	932.37	949.15	931.24	1.99	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-08DLX5	Instrumnet Name :	P7
Client Sample ID :	MYDB99	Dilution Factor :	5
Date & Time Acquired :	2024-10-29 20:45:02	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.79	0.81	0.84	0.81	2.84	ppb
Vanadium	51-2	140.07	138.85	140.40	139.77	0.58	ppb
Yttrium	89-1				109		%
Yttrium	89-2				108		%
Zinc	66-2	433.57	438.92	435.96	436.15	0.61	ppb
Zirconium	90-1	5.59	5.63	5.98	5.73	3.71	ppb
Zirconium	91-1	5.69	5.76	5.97	5.81	2.48	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09A	Instrumnet Name :	P7
Client Sample ID :	MYDBA0ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 20:48:08	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7135.57	7147.77	7164.92	7149.42	0.21	ppb
Antimony	121-1	0.54	0.54	0.56	0.55	1.64	ppb
Arsenic	75-2	21.26	22.49	20.83	21.53	4.01	ppb
Barium	135-1	44.51	45.48	46.10	45.36	1.76	ppb
Barium	137-1	44.44	45.00	47.02	45.49	2.98	ppb
Beryllium	9-1	0.20	0.29	0.18	0.22	25.18	ppb
Bismuth	209-1				107		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.29	0.32	0.26	0.29	10.15	ppb
Cadmium	106-1	0.28	0.61	0.66	0.52	40.39	ppb
Cadmium	111-1	0.19	0.18	0.17	0.18	7.09	ppb
Calcium	43-1	6090.23	6023.84	6101.90	6071.99	0.69	ppb
Calcium	44-1	5857.08	5901.93	5967.53	5908.85	0.94	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	24.02	24.11	23.98	24.04	0.29	ppb
Cobalt	59-2	8.75	8.82	8.65	8.74	0.93	ppb
Copper	63-2	38.18	38.57	38.05	38.26	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				106		%
Holmium	165-2				104		%
Indium	115-1				106		%
Indium	115-2				100		%
Iron	56-2	17038.81	17033.01	16844.45	16972.09	0.65	ppb
Iron	57-2	17107.71	17128.12	16970.88	17068.90	0.50	ppb
Iron	54-2	17238.75	17062.70	17163.01	17154.82	0.51	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09A	Instrumnet Name :	P7
Client Sample ID :	MYDBA0ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 20:48:08	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	23.54	23.82	23.72	23.69	0.60	ppb
Lead	207-1	22.52	22.56	22.64	22.57	0.27	ppb
Lead	208-1	22.63	23.05	22.88	22.85	0.91	ppb
Lithium	6-1				103		%
Magnesium	24-2	4272.36	4262.43	4274.19	4269.66	0.15	ppb
Manganese	55-2	328.59	327.07	324.71	326.79	0.60	ppb
Molybdenum	94-1	1.85	1.81	1.84	1.83	1.18	ppb
Molybdenum	95-1	0.21	0.24	0.21	0.22	6.97	ppb
Molybdenum	96-1	0.50	0.51	0.50	0.50	1.49	ppb
Molybdenum	97-1	0.24	0.21	0.24	0.23	6.80	ppb
Molybdenum	98-1	0.22	0.21	0.25	0.23	9.22	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	74.02	73.35	73.39	73.59	0.51	ppb
Phosphorus	31-2	364.68	339.28	345.26	349.74	3.80	ppb
Potassium	39-2	1363.19	1362.07	1364.20	1363.15	0.08	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				100		%
Selenium	82-1	0.70	-0.62	1.03	0.37	235.13	ppb
Selenium	77-2	2.62	2.95	1.88	2.48	22.19	ppb
Selenium	78-2	0.27	-1.47	-1.53	-0.91		ppb
Silicon	28-1	416.29	419.07	421.72	419.03	0.65	ppb
Silver	107-1	0.07	0.08	0.07	0.07	3.29	ppb
Silver	109-1	0.06	0.07	0.06	0.07	3.87	ppb
Sodium	23-2	131.53	133.79	128.94	131.42	1.85	ppb
Strontium	86-1	19.81	20.35	20.75	20.30	2.34	ppb
Strontium	88-1	19.74	20.07	20.27	20.03	1.33	ppb
Sulfur	34-1	-1406.26	-1571.27	-1531.92	-1503.15		ppb
Terbium	159-1				106		%
Terbium	159-2				103		%
Thallium	203-1	161.98	166.53	166.35	164.96	1.56	ppb
Thallium	205-1	189.29	187.43	186.92	187.88	0.66	ppb
Tin	118-1	1.34	1.39	1.44	1.39	3.82	ppb
Titanium	47-1	192.92	194.49	195.27	194.23	0.62	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09A	Instrumnet Name :	P7
Client Sample ID :	MYDBA0ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 20:48:08	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.14	0.15	0.16	0.15	5.80	ppb
Vanadium	51-2	42.79	42.56	42.11	42.49	0.81	ppb
Yttrium	89-1				103		%
Yttrium	89-2				100		%
Zinc	66-2	163.64	165.38	165.37	164.80	0.61	ppb
Zirconium	90-1	0.99	0.98	1.03	1.00	2.77	ppb
Zirconium	91-1	1.09	0.99	0.95	1.01	7.18	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:51:23	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12320.72	12243.04	12041.37	12201.71	1.18	ppb
Antimony	121-1	0.26	0.25	0.24	0.25	2.80	ppb
Arsenic	75-2	26.37	27.37	27.59	27.11	2.40	ppb
Barium	135-1	88.24	90.30	90.60	89.71	1.43	ppb
Barium	137-1	89.00	90.09	89.58	89.56	0.61	ppb
Beryllium	9-1	0.36	0.37	0.46	0.40	13.11	ppb
Bismuth	209-1				104		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.48	0.44	0.20	0.37	40.74	ppb
Cadmium	106-1	1.69	0.93	1.55	1.39	28.99	ppb
Cadmium	111-1	0.31	0.31	0.36	0.33	9.04	ppb
Calcium	43-1	4414.84	4402.59	4426.91	4414.78	0.28	ppb
Calcium	44-1	4422.41	4439.58	4448.57	4436.85	0.30	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	13.02	12.95	12.56	12.84	1.95	ppb
Cobalt	59-2	9.65	9.52	9.69	9.62	0.90	ppb
Copper	63-2	34.32	34.08	33.98	34.13	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				103		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				97		%
Iron	56-2	24866.48	24620.75	24546.96	24678.06	0.68	ppb
Iron	57-2	24091.77	24476.34	24184.66	24250.92	0.83	ppb
Iron	54-2	25003.18	24865.25	24696.18	24854.87	0.62	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:51:23	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	14.38	14.95	14.96	14.76	2.26	ppb
Lead	207-1	14.57	14.89	15.20	14.89	2.15	ppb
Lead	208-1	14.36	14.75	14.96	14.69	2.06	ppb
Lithium	6-1				101		%
Magnesium	24-2	4695.97	4665.22	4618.84	4660.01	0.83	ppb
Manganese	55-2	390.81	392.84	389.93	391.19	0.38	ppb
Molybdenum	94-1	3.55	3.46	3.58	3.53	1.80	ppb
Molybdenum	95-1	0.22	0.26	0.27	0.25	10.04	ppb
Molybdenum	96-1	0.78	0.78	0.71	0.76	4.74	ppb
Molybdenum	97-1	0.25	0.29	0.31	0.28	9.74	ppb
Molybdenum	98-1	0.28	0.27	0.28	0.28	2.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	11.47	11.54	11.34	11.45	0.88	ppb
Phosphorus	31-2	534.73	527.64	494.18	518.85	4.17	ppb
Potassium	39-2	1088.96	1081.83	1075.86	1082.22	0.61	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				98		%
Selenium	82-1	0.32	0.76	0.03	0.37	100.87	ppb
Selenium	77-2	5.06	5.18	4.03	4.76	13.22	ppb
Selenium	78-2	0.74	0.17	-0.77	0.05	1544.90	ppb
Silicon	28-1	688.19	694.65	713.68	698.84	1.90	ppb
Silver	107-1	0.11	0.09	0.11	0.10	6.65	ppb
Silver	109-1	0.10	0.11	0.10	0.10	4.93	ppb
Sodium	23-2	80.72	81.82	83.65	82.06	1.80	ppb
Strontium	86-1	20.62	21.04	21.10	20.92	1.25	ppb
Strontium	88-1	20.71	20.89	21.09	20.90	0.91	ppb
Sulfur	34-1	-1098.96	-1365.37	-1491.00	-1318.44		ppb
Terbium	159-1				102		%
Terbium	159-2				103		%
Thallium	203-1	0.11	0.11	0.10	0.11	6.83	ppb
Thallium	205-1	0.11	0.11	0.11	0.11	1.99	ppb
Tin	118-1	0.69	0.66	0.71	0.69	3.43	ppb
Titanium	47-1	164.89	168.12	167.59	166.87	1.04	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:51:23	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.21	0.20	0.21	0.21	3.66	ppb
Vanadium	51-2	39.64	40.21	39.00	39.62	1.52	ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	73.66	75.07	74.15	74.29	0.97	ppb
Zirconium	90-1	2.00	1.99	2.03	2.00	0.98	ppb
Zirconium	91-1	1.93	1.98	1.96	1.96	1.25	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-21DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:54:35	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11987.00	11992.44	12167.19	12048.88	0.85	ppb
Antimony	121-1	0.29	0.28	0.28	0.28	2.51	ppb
Arsenic	75-2	28.00	27.12	27.32	27.48	1.68	ppb
Barium	135-1	87.91	88.93	87.91	88.25	0.66	ppb
Barium	137-1	87.09	88.17	87.71	87.65	0.62	ppb
Beryllium	9-1	0.43	0.32	0.45	0.40	17.84	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.33	0.59	0.39	0.44	30.93	ppb
Cadmium	106-1	1.66	1.27	0.77	1.23	36.36	ppb
Cadmium	111-1	0.36	0.35	0.27	0.33	15.95	ppb
Calcium	43-1	4341.41	4346.30	4472.88	4386.86	1.70	ppb
Calcium	44-1	4339.36	4431.64	4507.73	4426.24	1.90	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12.63	12.69	12.90	12.74	1.12	ppb
Cobalt	59-2	9.62	9.42	9.62	9.55	1.22	ppb
Copper	63-2	33.76	33.42	34.02	33.73	0.89	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				102		%
Indium	115-1				103		%
Indium	115-2				99		%
Iron	56-2	24162.87	24196.57	24335.57	24231.67	0.38	ppb
Iron	57-2	24021.12	23574.27	23816.83	23804.07	0.94	ppb
Iron	54-2	24241.59	24319.32	24609.98	24390.30	0.80	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-21DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:54:35	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	14.62	14.45	15.13	14.73	2.40	ppb
Lead	207-1	15.20	14.67	14.89	14.92	1.79	ppb
Lead	208-1	14.73	14.45	14.83	14.67	1.34	ppb
Lithium	6-1				103		%
Magnesium	24-2	4625.17	4569.15	4619.66	4604.66	0.67	ppb
Manganese	55-2	387.97	386.28	390.67	388.31	0.57	ppb
Molybdenum	94-1	3.39	3.46	3.48	3.45	1.37	ppb
Molybdenum	95-1	0.27	0.29	0.30	0.29	5.17	ppb
Molybdenum	96-1	0.77	0.78	0.76	0.77	1.52	ppb
Molybdenum	97-1	0.29	0.28	0.28	0.28	2.17	ppb
Molybdenum	98-1	0.29	0.28	0.26	0.28	5.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	11.52	11.90	11.62	11.68	1.69	ppb
Phosphorus	31-2	502.64	495.61	519.98	506.08	2.48	ppb
Potassium	39-2	1067.26	1062.41	1087.19	1072.29	1.22	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				101		%
Scandium	45-2				99		%
Selenium	82-1	-0.05	0.07	1.11	0.38	169.12	ppb
Selenium	77-2	4.79	4.00	3.32	4.03	18.24	ppb
Selenium	78-2	0.86	-1.20	0.84	0.17	701.87	ppb
Silicon	28-1	676.22	687.84	709.32	691.13	2.43	ppb
Silver	107-1	0.10	0.12	0.11	0.11	9.67	ppb
Silver	109-1	0.10	0.10	0.09	0.10	4.86	ppb
Sodium	23-2	77.80	77.52	79.31	78.21	1.24	ppb
Strontium	86-1	20.87	21.13	20.91	20.97	0.66	ppb
Strontium	88-1	20.72	20.91	21.01	20.88	0.69	ppb
Sulfur	34-1	-1434.90	-1556.27	-1531.20	-1507.46		ppb
Terbium	159-1				104		%
Terbium	159-2				102		%
Thallium	203-1	0.09	0.08	0.08	0.09	3.84	ppb
Thallium	205-1	0.09	0.08	0.08	0.08	5.38	ppb
Tin	118-1	0.66	0.71	0.68	0.68	3.71	ppb
Titanium	47-1	165.84	166.40	172.29	168.17	2.12	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-21DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:54:35	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.23	0.22	0.22	0.22	1.77	ppb
Vanadium	51-2	38.89	38.78	38.61	38.76	0.36	ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	72.63	73.00	76.62	74.08	2.97	ppb
Zirconium	90-1	1.97	2.02	1.98	1.99	1.33	ppb
Zirconium	91-1	1.99	2.11	2.02	2.04	3.21	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDB72L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 20:57:50	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2397.42	2407.61	2387.01	2397.35	0.43	ppb
Antimony	121-1	0.05	0.05	0.05	0.05	4.90	ppb
Arsenic	75-2	5.10	5.22	5.89	5.41	7.90	ppb
Barium	135-1	17.01	17.59	17.83	17.48	2.43	ppb
Barium	137-1	16.94	17.46	17.56	17.32	1.92	ppb
Beryllium	9-1	0.06	0.06	0.07	0.06	7.33	ppb
Bismuth	209-1				104		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.03	0.17	0.03	0.08	101.23	ppb
Cadmium	106-1	-0.34	0.12	0.07	-0.05		ppb
Cadmium	111-1	0.04	0.05	0.05	0.04	17.44	ppb
Calcium	43-1	826.87	880.11	867.60	858.19	3.24	ppb
Calcium	44-1	857.47	871.21	895.71	874.80	2.21	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.49	2.64	2.64	2.59	3.34	ppb
Cobalt	59-2	1.90	2.01	1.88	1.93	3.67	ppb
Copper	63-2	6.89	6.74	6.85	6.83	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				102		%
Holmium	165-2				101		%
Indium	115-1				102		%
Indium	115-2				98		%
Iron	56-2	4867.73	4860.45	4835.78	4854.65	0.34	ppb
Iron	57-2	4860.83	4906.56	4843.34	4870.24	0.67	ppb
Iron	54-2	4949.18	4985.98	4956.70	4963.95	0.39	ppb
Krypton	83-1						cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDB72L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 20:57:50	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.91	2.86	3.03	2.93	3.01	ppb
Lead	207-1	2.87	3.08	2.93	2.96	3.62	ppb
Lead	208-1	2.83	2.91	2.91	2.88	1.55	ppb
Lithium	6-1				102		%
Magnesium	24-2	913.12	927.87	915.75	918.91	0.86	ppb
Manganese	55-2	77.60	78.26	76.31	77.39	1.28	ppb
Molybdenum	94-1	0.71	0.72	0.69	0.71	1.72	ppb
Molybdenum	95-1	0.04	0.06	0.09	0.06	38.60	ppb
Molybdenum	96-1	0.11	0.15	0.17	0.15	23.36	ppb
Molybdenum	97-1	0.01	0.05	0.10	0.05	86.32	ppb
Molybdenum	98-1	0.03	0.05	0.08	0.05	43.94	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.35	2.39	2.19	2.31	4.50	ppb
Phosphorus	31-2	95.10	78.08	89.01	87.40	9.87	ppb
Potassium	39-2	210.30	212.34	211.34	211.33	0.48	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				97		%
Selenium	82-1	0.28	-0.32	-0.09	-0.04		ppb
Selenium	77-2	1.56	0.49	1.23	1.09	50.40	ppb
Selenium	78-2	0.46	-0.25	-0.41	-0.07		ppb
Silicon	28-1	139.16	142.57	144.39	142.04	1.87	ppb
Silver	107-1	0.02	0.02	0.03	0.02	18.51	ppb
Silver	109-1	0.02	0.02	0.02	0.02	3.10	ppb
Sodium	23-2	32.93	35.83	36.54	35.10	5.45	ppb
Strontium	86-1	4.27	4.14	4.22	4.21	1.61	ppb
Strontium	88-1	4.10	4.10	4.27	4.15	2.31	ppb
Sulfur	34-1	-1349.60	-1640.52	-1544.87	-1511.66		ppb
Terbium	159-1				102		%
Terbium	159-2				100		%
Thallium	203-1	0.02	0.03	0.01	0.02	26.12	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	9.19	ppb
Tin	118-1	0.15	0.15	0.14	0.15	3.88	ppb
Titanium	47-1	32.87	32.98	33.00	32.95	0.22	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDB72L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 20:57:50	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.04	0.04	0.04	17.83	ppb
Vanadium	51-2	7.74	8.22	7.72	7.89	3.56	ppb
Yttrium	89-1				100		%
Yttrium	89-2				98		%
Zinc	66-2	14.05	14.56	14.19	14.26	1.86	ppb
Zirconium	90-1	0.40	0.39	0.38	0.39	2.27	ppb
Zirconium	91-1	0.39	0.40	0.39	0.39	1.56	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-22DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 21:01:05	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12122.35	12007.87	12041.87	12057.36	0.49	ppb
Antimony	121-1	17.65	19.03	18.16	18.28	3.82	ppb
Arsenic	75-2	33.77	33.08	34.27	33.71	1.77	ppb
Barium	135-1	409.46	443.10	420.27	424.28	4.05	ppb
Barium	137-1	407.87	443.11	418.00	422.99	4.29	ppb
Beryllium	9-1	9.25	10.10	9.88	9.75	4.53	ppb
Bismuth	209-1				99		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	7.65	8.92	8.24	8.27	7.67	ppb
Cadmium	106-1	10.12	9.50	8.13	9.25	11.00	ppb
Cadmium	111-1	9.85	10.14	9.63	9.87	2.60	ppb
Calcium	43-1	4213.55	4566.08	4255.34	4344.99	4.43	ppb
Calcium	44-1	4222.60	4583.15	4366.91	4390.88	4.13	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	49.09	49.28	48.61	48.99	0.70	ppb
Cobalt	59-2	99.41	99.96	99.71	99.69	0.28	ppb
Copper	63-2	74.73	75.19	73.87	74.60	0.90	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				102		%
Indium	115-1				97		%
Indium	115-2				98		%
Iron	56-2	23651.29	23832.44	23376.95	23620.23	0.97	ppb
Iron	57-2	23860.44	23897.21	23476.71	23744.79	0.98	ppb
Iron	54-2	23752.37	23923.57	23597.73	23757.89	0.69	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-22DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 21:01:05	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	17.11	18.88	18.22	18.07	4.94	ppb
Lead	207-1	17.36	18.99	18.15	18.17	4.50	ppb
Lead	208-1	17.10	18.68	17.98	17.92	4.40	ppb
Lithium	6-1				97		%
Magnesium	24-2	4447.12	4455.37	4480.92	4461.14	0.40	ppb
Manganese	55-2	463.43	464.06	464.30	463.93	0.10	ppb
Molybdenum	94-1	3.37	3.56	3.53	3.49	2.95	ppb
Molybdenum	95-1	0.24	0.26	0.29	0.26	8.43	ppb
Molybdenum	96-1	0.70	0.77	0.77	0.75	5.57	ppb
Molybdenum	97-1	0.23	0.27	0.30	0.26	13.62	ppb
Molybdenum	98-1	0.24	0.24	0.28	0.25	10.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	105.23	105.84	104.68	105.25	0.55	ppb
Phosphorus	31-2	459.25	484.99	449.88	464.70	3.91	ppb
Potassium	39-2	1030.57	1045.48	1024.41	1033.49	1.05	ppb
Rhodium	103-1				95		%
Rhodium	103-2				99		%
Scandium	45-1				96		%
Scandium	45-2				98		%
Selenium	82-1	18.57	19.14	18.85	18.86	1.52	ppb
Selenium	77-2	21.61	21.64	19.97	21.07	4.52	ppb
Selenium	78-2	17.89	17.66	16.09	17.21	5.68	ppb
Silicon	28-1	662.74	729.41	683.98	692.04	4.92	ppb
Silver	107-1	7.30	7.96	7.56	7.61	4.36	ppb
Silver	109-1	7.34	7.84	7.47	7.55	3.39	ppb
Sodium	23-2	71.21	72.40	71.45	71.69	0.88	ppb
Strontium	86-1	19.91	21.42	20.66	20.67	3.65	ppb
Strontium	88-1	20.42	21.29	20.56	20.76	2.25	ppb
Sulfur	34-1	-1566.42	-1261.49	-1713.35	-1513.76		ppb
Terbium	159-1				99		%
Terbium	159-2				101		%
Thallium	203-1	7.97	8.63	8.31	8.30	3.96	ppb
Thallium	205-1	7.91	8.73	8.19	8.28	5.05	ppb
Tin	118-1	0.53	0.67	0.58	0.59	11.61	ppb
Titanium	47-1	159.69	174.79	162.63	165.70	4.83	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-22DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 21:01:05	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.20	0.22	0.21	0.21	6.38	ppb
Vanadium	51-2	127.87	128.23	126.56	127.55	0.69	ppb
Yttrium	89-1				98		%
Yttrium	89-2				100		%
Zinc	66-2	158.90	156.94	157.70	157.85	0.62	ppb
Zirconium	90-1	1.87	2.09	1.96	1.97	5.57	ppb
Zirconium	91-1	1.89	2.00	1.93	1.94	2.95	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 21:04:20	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13108.97	13375.80	13197.61	13227.46	1.03	ppb
Antimony	121-1	72.99	72.84	73.66	73.16	0.60	ppb
Arsenic	75-2	55.22	55.06	54.83	55.04	0.35	ppb
Barium	135-1	1611.61	1591.47	1593.86	1598.98	0.69	ppb
Barium	137-1	1591.77	1587.40	1585.00	1588.05	0.22	ppb
Beryllium	9-1	37.93	38.15	39.04	38.37	1.53	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	34.10	35.82	36.28	35.40	3.24	ppb
Cadmium	106-1	34.74	34.13	34.28	34.38	0.92	ppb
Cadmium	111-1	39.10	38.39	38.80	38.77	0.92	ppb
Calcium	43-1	4149.89	4205.63	4234.16	4196.56	1.02	ppb
Calcium	44-1	4204.61	4185.13	4312.84	4234.20	1.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	168.03	165.68	166.45	166.72	0.72	ppb
Cobalt	59-2	402.92	400.32	400.90	401.38	0.34	ppb
Copper	63-2	211.22	210.47	209.69	210.46	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				103		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				98		%
Iron	56-2	24185.01	24096.09	23867.64	24049.58	0.68	ppb
Iron	57-2	24307.73	24199.40	24046.96	24184.70	0.54	ppb
Iron	54-2	24186.98	24579.47	24097.18	24287.88	1.06	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 21:04:20	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	27.61	27.68	27.46	27.59	0.40	ppb
Lead	207-1	27.20	27.90	27.53	27.54	1.28	ppb
Lead	208-1	27.22	27.62	27.19	27.34	0.89	ppb
Lithium	6-1				100		%
Magnesium	24-2	4475.81	4440.36	4401.04	4439.07	0.84	ppb
Manganese	55-2	748.90	758.31	741.68	749.63	1.11	ppb
Molybdenum	94-1	3.25	3.32	3.22	3.26	1.53	ppb
Molybdenum	95-1	0.31	0.27	0.27	0.28	8.41	ppb
Molybdenum	96-1	0.73	0.77	0.73	0.74	2.77	ppb
Molybdenum	97-1	0.23	0.22	0.25	0.23	6.59	ppb
Molybdenum	98-1	0.29	0.27	0.29	0.28	3.91	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	407.01	407.15	402.86	405.67	0.60	ppb
Phosphorus	31-2	466.00	452.38	480.86	466.41	3.05	ppb
Potassium	39-2	1027.40	1029.20	1008.50	1021.70	1.12	ppb
Rhodium	103-1				98		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				99		%
Selenium	82-1	83.71	84.88	84.88	84.49	0.80	ppb
Selenium	77-2	86.21	89.06	88.89	88.05	1.82	ppb
Selenium	78-2	83.34	84.84	81.10	83.09	2.26	ppb
Silicon	28-1	668.77	659.73	679.56	669.36	1.48	ppb
Silver	107-1	28.36	28.71	28.94	28.67	1.01	ppb
Silver	109-1	28.33	28.09	28.71	28.38	1.10	ppb
Sodium	23-2	74.20	74.56	73.79	74.19	0.52	ppb
Strontium	86-1	19.68	19.82	19.82	19.77	0.41	ppb
Strontium	88-1	19.81	19.98	20.11	19.97	0.76	ppb
Sulfur	34-1	-1561.52	-1959.21	-1780.14	-1766.96		ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	32.69	33.32	32.80	32.94	1.02	ppb
Thallium	205-1	33.23	33.12	32.31	32.89	1.52	ppb
Tin	118-1	0.61	0.60	0.59	0.60	1.80	ppb
Titanium	47-1	158.75	160.14	161.83	160.24	0.96	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 21:04:20	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.22	0.22	0.22	0.22	0.57	ppb
Vanadium	51-2	417.07	417.17	414.52	416.26	0.36	ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	443.18	446.79	441.38	443.78	0.62	ppb
Zirconium	90-1	1.90	1.87	1.88	1.88	0.83	ppb
Zirconium	91-1	1.88	1.95	1.93	1.92	1.84	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20A	Instrumnet Name :	P7
Client Sample ID :	MYDB72ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:07:29	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	45689.15	44657.00	44995.41	45113.85	1.17	ppb
Antimony	121-1	0.94	0.96	0.98	0.96	2.20	ppb
Arsenic	75-2	101.93	99.07	104.87	101.96	2.84	ppb
Barium	135-1	338.48	350.09	345.95	344.84	1.71	ppb
Barium	137-1	337.51	346.83	344.42	342.92	1.41	ppb
Beryllium	9-1	1.69	1.60	1.92	1.74	9.66	ppb
Bismuth	209-1				106		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.51	1.71	1.72	1.65	7.40	ppb
Cadmium	106-1	3.24	2.72	2.42	2.79	14.81	ppb
Cadmium	111-1	1.15	1.14	1.14	1.14	0.53	ppb
Calcium	43-1	16192.13	16441.63	16829.99	16487.91	1.95	ppb
Calcium	44-1	15481.33	16021.26	15858.46	15787.02	1.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	47.81	48.10	48.19	48.03	0.41	ppb
Cobalt	59-2	35.43	34.71	35.65	35.26	1.40	ppb
Copper	63-2	124.79	122.51	127.25	124.85	1.90	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				101		%
Iron	56-2	90956.93	89450.92	91936.69	90781.51	1.38	ppb
Iron	57-2	88363.53	88492.93	90530.08	89128.85	1.36	ppb
Iron	54-2	90721.96	90145.76	90290.62	90386.11	0.33	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20A	Instrumnet Name :	P7
Client Sample ID :	MYDB72ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:07:29	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	57.31	56.81	57.28	57.13	0.49	ppb
Lead	207-1	58.38	56.31	58.31	57.67	2.04	ppb
Lead	208-1	57.30	56.31	57.58	57.06	1.17	ppb
Lithium	6-1				102		%
Magnesium	24-2	17126.84	16851.99	16985.41	16988.08	0.81	ppb
Manganese	55-2	1442.87	1446.13	1465.39	1451.46	0.84	ppb
Molybdenum	94-1	12.79	13.07	13.31	13.06	1.98	ppb
Molybdenum	95-1	0.92	0.99	0.99	0.97	4.28	ppb
Molybdenum	96-1	2.64	2.71	2.75	2.70	2.11	ppb
Molybdenum	97-1	0.94	1.07	0.95	0.99	7.09	ppb
Molybdenum	98-1	0.97	0.97	0.96	0.96	0.78	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	43.75	42.21	43.60	43.19	1.96	ppb
Phosphorus	31-2	1892.59	1899.93	1919.69	1904.07	0.74	ppb
Potassium	39-2	3850.34	3788.76	3830.68	3823.26	0.82	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				108		%
Scandium	45-2				108		%
Selenium	82-1	0.98	1.75	1.40	1.38	28.26	ppb
Selenium	77-2	15.39	24.38	21.26	20.34	22.44	ppb
Selenium	78-2	3.50	2.73	2.55	2.93	17.31	ppb
Silicon	28-1	2747.30	2756.90	2806.47	2770.22	1.15	ppb
Silver	107-1	1.53	1.52	1.52	1.52	0.54	ppb
Silver	109-1	1.52	1.50	1.52	1.51	0.85	ppb
Sodium	23-2	211.90	214.03	216.96	214.30	1.18	ppb
Strontium	86-1	75.52	76.21	76.92	76.21	0.92	ppb
Strontium	88-1	78.57	78.61	81.12	79.43	1.84	ppb
Sulfur	34-1	-2026.33	-2068.67	-2087.52	-2060.84		ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	0.23	0.24	0.25	0.24	3.77	ppb
Thallium	205-1	0.25	0.26	0.25	0.25	2.27	ppb
Tin	118-1	2.20	2.17	2.19	2.19	0.83	ppb
Titanium	47-1	626.79	635.01	644.54	635.45	1.40	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20A	Instrumnet Name :	P7
Client Sample ID :	MYDB72ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:07:29	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.85	0.83	0.86	0.85	1.50	ppb
Vanadium	51-2	147.03	145.89	148.11	147.01	0.75	ppb
Yttrium	89-1				113		%
Yttrium	89-2				109		%
Zinc	66-2	267.05	265.94	271.27	268.09	1.05	ppb
Zirconium	90-1	7.31	7.58	7.41	7.44	1.87	ppb
Zirconium	91-1	7.25	7.47	7.52	7.42	1.93	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-08	Instrumnet Name :	P7
Client Sample ID :	MYDB99	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:10:40	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.85	3.43	3.97	3.42	16.42	ppb
Antimony	121-1	0.00	0.01	0.01	0.01	100.34	ppb
Arsenic	75-2	0.02	0.02	0.02	0.02	0.98	ppb
Barium	135-1	0.09	0.06	0.07	0.07	19.39	ppb
Barium	137-1	0.08	0.10	0.06	0.08	20.18	ppb
Beryllium	9-1	0.00	-0.02	0.02	0.00	537.51	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.04	0.00	0.00	-0.01		ppb
Cadmium	106-1	0.03	-0.07	-0.35	-0.13		ppb
Cadmium	111-1	0.02	0.01	-0.01	0.00	496.57	ppb
Calcium	43-1	0.96	3.27	4.33	2.86	60.42	ppb
Calcium	44-1	0.02	1.76	0.70	0.83	106.06	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	69.24	ppb
Cobalt	59-2	0.02	0.01	0.01	0.01	23.95	ppb
Copper	63-2	0.40	0.36	0.40	0.39	6.58	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				103		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				98		%
Iron	56-2	6.73	6.26	6.40	6.46	3.78	ppb
Iron	57-2	4.01	4.19	6.45	4.88	27.90	ppb
Iron	54-2	6.38	6.35	5.36	6.03	9.62	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-08	Instrumnet Name :	P7
Client Sample ID :	MYDB99	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:10:40	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	0.03	0.00	0.02	85.01	ppb
Lead	207-1	0.02	0.02	0.02	0.02	11.03	ppb
Lead	208-1	0.03	0.03	0.02	0.02	21.21	ppb
Lithium	6-1				107		%
Magnesium	24-2	2.46	2.51	2.44	2.47	1.27	ppb
Manganese	55-2	0.14	0.13	0.18	0.15	15.74	ppb
Molybdenum	94-1	0.01	0.00	0.02	0.01	91.81	ppb
Molybdenum	95-1	0.00	0.01	0.02	0.01	79.33	ppb
Molybdenum	96-1	0.00	0.00	0.03	0.01	112.56	ppb
Molybdenum	97-1	-0.01	0.02	-0.01	0.00	1541.78	ppb
Molybdenum	98-1	0.02	0.01	0.03	0.02	47.80	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	-0.02	-0.01	-0.02		ppb
Phosphorus	31-2	-10.79	-11.67	-4.82	-9.10		ppb
Potassium	39-2	4.34	2.04	3.01	3.13	36.88	ppb
Rhodium	103-1				99		%
Rhodium	103-2				101		%
Scandium	45-1				98		%
Scandium	45-2				95		%
Selenium	82-1	0.33	0.50	0.41	0.42	20.21	ppb
Selenium	77-2	0.12	0.50	-0.24	0.13	286.00	ppb
Selenium	78-2	-0.05	-0.85	-1.90	-0.93		ppb
Silicon	28-1	-2.93	-1.66	-2.57	-2.38		ppb
Silver	107-1	0.01	0.01	0.01	0.01	4.93	ppb
Silver	109-1	0.02	0.02	0.01	0.02	29.05	ppb
Sodium	23-2	36.96	34.45	32.25	34.55	6.81	ppb
Strontium	86-1	0.00	0.08	-0.03	0.02	334.75	ppb
Strontium	88-1	0.03	0.03	0.03	0.03	7.74	ppb
Sulfur	34-1	-1245.92	-687.55	-922.87	-952.11		ppb
Terbium	159-1				102		%
Terbium	159-2				103		%
Thallium	203-1	0.03	0.03	0.03	0.03	6.55	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	13.78	ppb
Tin	118-1	0.06	0.05	0.15	0.09	65.46	ppb
Titanium	47-1	0.14	0.10	0.09	0.11	20.52	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-08	Instrumnet Name :	P7
Client Sample ID :	MYDB99	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:10:40	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	-0.01	0.00	0.00		ppb
Vanadium	51-2	0.01	0.01	0.02	0.02	19.82	ppb
Yttrium	89-1				98		%
Yttrium	89-2				98		%
Zinc	66-2	0.01	-0.02	-0.01	-0.01		ppb
Zirconium	90-1	-0.01	-0.01	0.00	-0.01		ppb
Zirconium	91-1	0.00	0.00	0.02	0.01	113.19	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV031	Instrumnet Name :	P7
Client Sample ID :	CCV031	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:13:57	DataFile Name :	060CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50151.64	50974.90	50783.80	50636.78	0.85	ppb
Antimony	121-1	478.05	496.14	501.38	491.86	2.49	ppb
Arsenic	75-2	528.02	529.71	523.49	527.07	0.61	ppb
Barium	135-1	2452.17	2525.03	2524.08	2500.43	1.67	ppb
Barium	137-1	2479.78	2495.64	2518.15	2497.86	0.77	ppb
Beryllium	9-1	480.21	501.08	507.10	496.13	2.84	ppb
Bismuth	209-1				109		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	497.24	520.39	515.37	511.00	2.38	ppb
Cadmium	106-1	506.36	520.68	517.69	514.91	1.47	ppb
Cadmium	111-1	506.46	519.20	519.01	514.89	1.42	ppb
Calcium	43-1	257587.20	253382.05	257936.53	256301.93	0.99	ppb
Calcium	44-1	252092.04	251088.03	255289.36	252823.14	0.87	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	489.56	505.50	502.30	499.12	1.69	ppb
Cobalt	59-2	525.64	528.11	527.16	526.97	0.24	ppb
Copper	63-2	5065.60	5114.56	5072.26	5084.14	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				113		%
Holmium	165-2				108		%
Indium	115-1				106		%
Indium	115-2				101		%
Iron	56-2	127515.70	129005.06	127557.52	128026.09	0.66	ppb
Iron	57-2	126377.66	128452.95	124809.28	126546.63	1.44	ppb
Iron	54-2	127688.71	129686.93	128218.82	128531.49	0.81	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV031	Instrumnet Name :	P7
Client Sample ID :	CCV031	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:13:57	DataFile Name :	060CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2495.52	2507.35	2556.22	2519.70	1.28	ppb
Lead	207-1	2459.77	2516.46	2572.72	2516.31	2.24	ppb
Lead	208-1	2478.45	2502.83	2553.94	2511.74	1.53	ppb
Lithium	6-1				112		%
Magnesium	24-2	253554.15	254055.43	253814.89	253808.16	0.10	ppb
Manganese	55-2	4926.65	4956.06	4961.69	4948.13	0.38	ppb
Molybdenum	94-1	4921.90	5020.56	5065.31	5002.59	1.47	ppb
Molybdenum	95-1	4906.09	5013.92	5055.09	4991.70	1.54	ppb
Molybdenum	96-1	4942.55	5022.20	5099.17	5021.30	1.56	ppb
Molybdenum	97-1	4908.04	5020.47	5125.11	5017.87	2.16	ppb
Molybdenum	98-1	4921.52	4985.20	5103.29	5003.34	1.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	517.43	520.92	513.40	517.25	0.73	ppb
Phosphorus	31-2	10051.22	10308.54	10014.10	10124.62	1.58	ppb
Potassium	39-2	124888.41	126761.89	126136.97	125929.09	0.76	ppb
Rhodium	103-1				103		%
Rhodium	103-2				100		%
Scandium	45-1				108		%
Scandium	45-2				107		%
Selenium	82-1	510.99	522.90	533.17	522.36	2.13	ppb
Selenium	77-2	533.29	499.53	496.17	509.66	4.03	ppb
Selenium	78-2	521.57	521.59	516.62	519.92	0.55	ppb
Silicon	28-1	2556.79	2539.43	2568.37	2554.86	0.57	ppb
Silver	107-1	499.78	513.13	512.86	508.59	1.50	ppb
Silver	109-1	505.13	508.79	508.62	507.51	0.41	ppb
Sodium	23-2	251761.68	256387.92	252395.13	253514.91	0.99	ppb
Strontium	86-1	12203.84	12420.95	12647.89	12424.23	1.79	ppb
Strontium	88-1	12176.43	12410.73	12567.44	12384.87	1.59	ppb
Sulfur	34-1	9611.65	9293.74	9825.71	9577.04	2.79	ppb
Terbium	159-1				112		%
Terbium	159-2				109		%
Thallium	203-1	503.16	500.58	513.88	505.87	1.39	ppb
Thallium	205-1	503.83	501.27	508.81	504.64	0.76	ppb
Tin	118-1	477.04	485.34	482.13	481.50	0.87	ppb
Titanium	47-1	5030.39	4913.36	5063.37	5002.37	1.58	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV031	Instrumnet Name :	P7
Client Sample ID :	CCV031	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:13:57	DataFile Name :	060CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	514.37	520.37	511.84	515.53	0.85	ppb
Vanadium	51-2	508.86	516.28	506.01	510.38	1.04	ppb
Yttrium	89-1				109		%
Yttrium	89-2				105		%
Zinc	66-2	5140.68	5174.49	5097.35	5137.51	0.75	ppb
Zirconium	90-1	502.36	501.36	508.62	504.12	0.78	ppb
Zirconium	91-1	481.76	497.95	503.13	494.28	2.26	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB031	Instrumnet Name :	P7
Client Sample ID :	CCB031	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:16:44	DataFile Name :	061CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.85	3.62	3.83	3.77	3.34	ppb
Antimony	121-1	0.34	0.30	0.31	0.32	5.98	ppb
Arsenic	75-2	0.05	0.04	0.02	0.04	34.28	ppb
Barium	135-1	0.13	0.13	0.16	0.14	13.07	ppb
Barium	137-1	0.16	0.15	0.11	0.14	18.16	ppb
Beryllium	9-1	0.04	0.03	0.04	0.04	22.47	ppb
Bismuth	209-1				108		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.06	-0.07	0.23	0.07	206.17	ppb
Cadmium	106-1	0.84	0.51	0.42	0.59	37.30	ppb
Cadmium	111-1	0.11	0.09	0.08	0.09	16.90	ppb
Calcium	43-1	21.32	25.08	24.42	23.61	8.49	ppb
Calcium	44-1	18.13	17.80	17.15	17.69	2.80	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	-0.01	0.01	-0.01		ppb
Cobalt	59-2	0.02	0.01	0.02	0.02	30.98	ppb
Copper	63-2	0.14	0.13	0.10	0.12	15.14	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				106		%
Indium	115-2				101		%
Iron	56-2	7.80	7.88	8.07	7.91	1.75	ppb
Iron	57-2	7.96	8.39	9.03	8.46	6.33	ppb
Iron	54-2	6.77	6.68	7.47	6.97	6.18	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB031	Instrumnet Name :	P7
Client Sample ID :	CCB031	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:16:44	DataFile Name :	061CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.15	0.12	0.13	0.13	12.65	ppb
Lead	207-1	0.17	0.13	0.09	0.13	32.13	ppb
Lead	208-1	0.16	0.13	0.11	0.13	17.14	ppb
Lithium	6-1				102		%
Magnesium	24-2	8.37	7.72	7.53	7.87	5.60	ppb
Manganese	55-2	0.39	0.43	0.39	0.41	6.01	ppb
Molybdenum	94-1	0.42	0.24	0.28	0.32	28.43	ppb
Molybdenum	95-1	0.30	0.25	0.27	0.27	10.31	ppb
Molybdenum	96-1	0.32	0.26	0.28	0.29	11.98	ppb
Molybdenum	97-1	0.33	0.27	0.26	0.29	12.31	ppb
Molybdenum	98-1	0.31	0.24	0.26	0.27	14.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.05	0.02	0.03	0.03	49.44	ppb
Phosphorus	31-2	-12.10	-8.10	-15.03	-11.74		ppb
Potassium	39-2	5.69	13.92	10.68	10.10	41.06	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				104		%
Scandium	45-2				102		%
Selenium	82-1	-0.28	-0.29	0.45	-0.04		ppb
Selenium	77-2	0.46	-0.24	-0.24	-0.01		ppb
Selenium	78-2	0.11	0.95	-1.99	-0.31		ppb
Silicon	28-1	-3.53	-3.26	-2.53	-3.11		ppb
Silver	107-1	0.05	0.03	0.04	0.04	24.09	ppb
Silver	109-1	0.06	0.04	0.04	0.04	26.91	ppb
Sodium	23-2	40.78	42.55	40.61	41.31	2.60	ppb
Strontium	86-1	0.44	0.31	0.27	0.34	26.33	ppb
Strontium	88-1	0.45	0.32	0.29	0.35	23.88	ppb
Sulfur	34-1	-742.43	-757.66	-497.36	-665.82		ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	0.09	0.09	0.06	0.08	22.47	ppb
Thallium	205-1	0.10	0.10	0.08	0.09	10.16	ppb
Tin	118-1	0.18	0.20	0.22	0.20	9.97	ppb
Titanium	47-1	0.24	0.16	0.21	0.20	21.51	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB031	Instrumnet Name :	P7
Client Sample ID :	CCB031	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:16:44	DataFile Name :	061CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.00	0.01	43.81	ppb
Vanadium	51-2	0.02	0.03	0.03	0.03	20.60	ppb
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	1.06	1.37	1.02	1.15	16.83	ppb
Zirconium	90-1	0.07	0.06	0.05	0.06	15.55	ppb
Zirconium	91-1	0.10	0.08	0.05	0.08	33.33	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164279BS	Instrumnet Name :	P7
Client Sample ID :	LCS279	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:20:00	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	42.11	41.68	41.43	41.74	0.82	ppb
Antimony	121-1	3.76	3.85	3.84	3.82	1.26	ppb
Arsenic	75-2	2.17	2.02	2.05	2.08	3.85	ppb
Barium	135-1	17.57	17.88	18.00	17.82	1.25	ppb
Barium	137-1	17.55	17.77	17.51	17.61	0.80	ppb
Beryllium	9-1	2.08	2.01	2.14	2.08	3.26	ppb
Bismuth	209-1				104		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.46	2.37	1.90	2.24	13.35	ppb
Cadmium	106-1	2.41	4.20	1.94	2.85	41.81	ppb
Cadmium	111-1	2.39	2.46	2.48	2.44	1.92	ppb
Calcium	43-1	951.53	957.18	977.92	962.21	1.44	ppb
Calcium	44-1	974.39	966.99	998.90	980.09	1.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.37	4.47	4.58	4.47	2.40	ppb
Cobalt	59-2	2.08	2.06	2.09	2.08	0.83	ppb
Copper	63-2	4.05	4.19	4.16	4.13	1.87	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				102		%
Indium	115-1				103		%
Indium	115-2				101		%
Iron	56-2	431.66	438.28	434.28	434.74	0.77	ppb
Iron	57-2	431.29	443.88	435.57	436.91	1.47	ppb
Iron	54-2	442.72	442.91	439.73	441.79	0.40	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164279BS	Instrumnet Name :	P7
Client Sample ID :	LCS279	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:20:00	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.77	1.77	1.76	1.77	0.37	ppb
Lead	207-1	1.74	1.80	1.87	1.80	3.57	ppb
Lead	208-1	1.76	1.79	1.80	1.78	1.11	ppb
Lithium	6-1				96		%
Magnesium	24-2	1095.46	1082.86	1085.81	1088.04	0.61	ppb
Manganese	55-2	2.17	2.18	2.29	2.21	2.90	ppb
Molybdenum	94-1	10.97	10.31	10.76	10.68	3.14	ppb
Molybdenum	95-1	8.75	8.76	8.85	8.78	0.62	ppb
Molybdenum	96-1	8.89	9.00	9.01	8.97	0.72	ppb
Molybdenum	97-1	8.78	8.50	8.81	8.70	1.97	ppb
Molybdenum	98-1	8.86	8.62	8.76	8.75	1.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.32	2.23	2.08	2.21	5.42	ppb
Phosphorus	31-2	-7.67	-12.26	-14.86	-11.60		ppb
Potassium	39-2	1042.14	1048.94	1040.63	1043.90	0.42	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				100		%
Selenium	82-1	10.18	11.05	10.53	10.59	4.16	ppb
Selenium	77-2	10.86	7.68	13.08	10.54	25.73	ppb
Selenium	78-2	10.32	10.97	12.94	11.41	11.96	ppb
Silicon	28-1	4.13	3.89	4.62	4.21	8.87	ppb
Silver	107-1	1.76	1.83	1.84	1.81	2.42	ppb
Silver	109-1	1.73	1.83	1.86	1.81	3.75	ppb
Sodium	23-2	1057.66	1062.69	1062.27	1060.87	0.26	ppb
Strontium	86-1	2.01	1.93	2.18	2.04	6.15	ppb
Strontium	88-1	2.10	2.05	2.08	2.08	1.16	ppb
Sulfur	34-1	-534.75	-665.36	-513.26	-571.12		ppb
Terbium	159-1				104		%
Terbium	159-2				102		%
Thallium	203-1	1.70	1.74	1.78	1.74	2.08	ppb
Thallium	205-1	1.79	1.66	1.73	1.73	3.69	ppb
Tin	118-1	0.06	0.07	0.12	0.08	39.42	ppb
Titanium	47-1	8.94	8.61	9.24	8.93	3.55	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164279BS	Instrumnet Name :	P7
Client Sample ID :	LCS279	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:20:00	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.61	1.58	1.66	1.62	2.46	ppb
Vanadium	51-2	10.13	9.94	9.81	9.96	1.59	ppb
Yttrium	89-1				102		%
Yttrium	89-2				99		%
Zinc	66-2	10.77	9.79	10.09	10.22	4.94	ppb
Zirconium	90-1	2.02	2.02	2.04	2.03	0.35	ppb
Zirconium	91-1	2.10	2.05	2.05	2.07	1.34	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164279BL	Instrumnet Name :	P7
Client Sample ID :	PBS279	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:33:34	DataFile Name :	063LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.39	0.61	0.11	0.37	67.56	ppb
Antimony	121-1	0.02	0.02	0.02	0.02	13.60	ppb
Arsenic	75-2	0.05	0.01	0.01	0.02	123.08	ppb
Barium	135-1	0.06	0.04	0.07	0.05	27.73	ppb
Barium	137-1	0.10	0.06	0.04	0.07	50.46	ppb
Beryllium	9-1	0.02	-0.01	0.02	0.01	219.36	ppb
Bismuth	209-1				100		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.00	0.07	0.00	0.02	176.44	ppb
Cadmium	106-1	-0.32	-0.86	-0.64	-0.61		ppb
Cadmium	111-1	-0.02	-0.06	-0.03	-0.04		ppb
Calcium	43-1	7.11	1.16	2.90	3.72	82.20	ppb
Calcium	44-1	1.60	-1.77	0.39	0.07	2290.37	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.04	-0.04	0.02	-0.02		ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	-0.05	-0.05	-0.12	-0.07		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				99		%
Indium	115-1				101		%
Indium	115-2				98		%
Iron	56-2	0.85	0.80	0.95	0.87	9.21	ppb
Iron	57-2	-2.05	1.45	5.78	1.72	227.34	ppb
Iron	54-2	0.71	0.92	0.59	0.74	22.96	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164279BL	Instrumnet Name :	P7
Client Sample ID :	PBS279	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:33:34	DataFile Name :	063LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.02	0.01	0.01	0.01	37.14	ppb
Lead	207-1	0.01	0.03	0.03	0.02	66.90	ppb
Lead	208-1	0.02	0.01	0.01	0.02	16.67	ppb
Lithium	6-1				94		%
Magnesium	24-2	0.68	0.41	0.16	0.42	61.75	ppb
Manganese	55-2	0.01	0.02	0.00	0.01	97.71	ppb
Molybdenum	94-1	0.04	0.04	0.01	0.03	54.74	ppb
Molybdenum	95-1	0.03	0.03	0.03	0.03	12.60	ppb
Molybdenum	96-1	0.04	0.01	0.01	0.02	71.62	ppb
Molybdenum	97-1	0.04	0.01	0.03	0.03	47.49	ppb
Molybdenum	98-1	0.02	0.02	0.01	0.02	28.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	-0.02	0.05	0.01	352.63	ppb
Phosphorus	31-2	-16.95	-17.75	-10.37	-15.02		ppb
Potassium	39-2	3.54	-2.80	1.12	0.62	519.09	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	0.46	0.22	-0.39	0.10	438.45	ppb
Selenium	77-2	-0.24	-0.24	-0.24	-0.24		ppb
Selenium	78-2	0.40	-0.73	-1.68	-0.67		ppb
Silicon	28-1	-1.21	-2.66	-1.83	-1.90		ppb
Silver	107-1	0.01	0.00	0.00	0.00	79.02	ppb
Silver	109-1	0.00	0.00	0.00	0.00	698.27	ppb
Sodium	23-2	11.00	9.72	12.39	11.04	12.11	ppb
Strontium	86-1	0.06	0.02	0.05	0.04	49.15	ppb
Strontium	88-1	0.05	0.05	0.03	0.05	27.30	ppb
Sulfur	34-1	230.23	-180.51	-53.85	-1.38		ppb
Terbium	159-1				101		%
Terbium	159-2				100		%
Thallium	203-1	0.02	0.02	0.01	0.02	25.65	ppb
Thallium	205-1	0.02	0.01	0.02	0.02	23.04	ppb
Tin	118-1	0.07	0.12	0.10	0.10	22.80	ppb
Titanium	47-1	0.01	0.04	-0.02	0.01	281.58	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164279BL	Instrumnet Name :	P7
Client Sample ID :	PBS279	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:33:34	DataFile Name :	063LCSE.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	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				100		%
Yttrium	89-2				99		%
Zinc	66-2	0.18	0.08	0.06	0.11	61.58	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	31.40	ppb
Zirconium	91-1	0.02	0.01	0.02	0.02	20.66	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164279BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD279	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:36:50	DataFile Name :	064LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	55.45	58.14	52.51	55.37	5.08	ppb
Antimony	121-1	2.02	1.93	1.85	1.93	4.49	ppb
Arsenic	75-2	1.11	0.99	1.03	1.04	5.83	ppb
Barium	135-1	9.49	8.87	8.55	8.97	5.36	ppb
Barium	137-1	9.48	8.76	8.84	9.03	4.39	ppb
Beryllium	9-1	1.05	1.19	1.14	1.13	6.54	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.51	1.22	1.03	1.25	18.99	ppb
Cadmium	106-1	2.34	2.13	0.70	1.72	51.87	ppb
Cadmium	111-1	1.44	1.33	1.18	1.32	9.81	ppb
Calcium	43-1	485.58	486.10	465.38	479.02	2.47	ppb
Calcium	44-1	517.68	485.88	485.45	496.34	3.72	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.23	2.27	2.26	2.25	1.03	ppb
Cobalt	59-2	1.00	1.02	0.98	1.00	2.04	ppb
Copper	63-2	2.06	1.97	2.10	2.04	3.18	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	214.54	214.12	209.99	212.88	1.18	ppb
Iron	57-2	220.49	214.33	210.62	215.14	2.32	ppb
Iron	54-2	216.83	210.96	214.63	214.14	1.38	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164279BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD279	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:36:50	DataFile Name :	064LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.91	0.89	0.88	0.89	2.00	ppb
Lead	207-1	0.86	0.81	0.88	0.85	4.05	ppb
Lead	208-1	0.88	0.85	0.86	0.87	1.85	ppb
Lithium	6-1				92		%
Magnesium	24-2	534.35	532.23	524.31	530.30	1.00	ppb
Manganese	55-2	1.13	1.11	1.21	1.15	4.52	ppb
Molybdenum	94-1	5.57	4.96	5.15	5.23	6.07	ppb
Molybdenum	95-1	4.54	4.17	4.37	4.36	4.21	ppb
Molybdenum	96-1	4.66	4.30	4.45	4.47	4.00	ppb
Molybdenum	97-1	4.75	4.35	4.25	4.45	5.87	ppb
Molybdenum	98-1	4.68	4.32	4.28	4.43	5.08	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.18	1.09	1.05	1.11	5.82	ppb
Phosphorus	31-2	-11.50	-10.98	-15.77	-12.75		ppb
Potassium	39-2	506.42	508.79	504.91	506.70	0.39	ppb
Rhodium	103-1				99		%
Rhodium	103-2				101		%
Scandium	45-1				98		%
Scandium	45-2				100		%
Selenium	82-1	6.23	4.48	4.59	5.10	19.27	ppb
Selenium	77-2	6.17	1.90	1.58	3.22	79.65	ppb
Selenium	78-2	3.45	7.33	4.59	5.12	38.89	ppb
Silicon	28-1	4.62	1.62	1.30	2.51	72.85	ppb
Silver	107-1	0.96	0.90	0.93	0.93	3.41	ppb
Silver	109-1	0.97	0.90	0.92	0.93	4.09	ppb
Sodium	23-2	510.97	512.47	510.14	511.19	0.23	ppb
Strontium	86-1	1.14	0.96	0.94	1.01	10.73	ppb
Strontium	88-1	1.06	0.98	0.99	1.01	4.34	ppb
Sulfur	34-1	406.90	-325.21	-357.76	-92.02		ppb
Terbium	159-1				100		%
Terbium	159-2				101		%
Thallium	203-1	0.93	0.85	0.83	0.87	6.04	ppb
Thallium	205-1	0.91	0.83	0.83	0.86	5.04	ppb
Tin	118-1	0.07	0.05	0.04	0.05	24.24	ppb
Titanium	47-1	4.87	4.26	4.45	4.52	6.92	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164279BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD279	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:36:50	DataFile Name :	064LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.85	0.77	0.79	0.80	5.36	ppb
Vanadium	51-2	4.86	4.99	4.84	4.89	1.62	ppb
Yttrium	89-1				99		%
Yttrium	89-2				99		%
Zinc	66-2	5.39	5.42	5.70	5.50	3.12	ppb
Zirconium	90-1	1.03	0.93	0.99	0.98	5.25	ppb
Zirconium	91-1	1.07	0.90	0.94	0.97	9.40	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-10	Instrumnet Name :	P7
Client Sample ID :	MYDBC1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:40:09	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	60094.92	58844.73	59672.77	59537.48	1.07	ppb
Antimony	121-1	1.00	1.08	1.08	1.05	4.64	ppb
Arsenic	75-2	72.20	71.31	71.07	71.52	0.83	ppb
Barium	135-1	1210.08	1210.75	1255.43	1225.42	2.12	ppb
Barium	137-1	1213.36	1221.95	1241.75	1225.68	1.19	ppb
Beryllium	9-1	3.23	3.21	3.25	3.23	0.71	ppb
Bismuth	209-1				107		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.33	7.94	8.24	8.17	2.47	ppb
Cadmium	106-1	11.44	11.90	10.71	11.35	5.26	ppb
Cadmium	111-1	5.82	6.01	5.78	5.87	2.06	ppb
Calcium	43-1	23215.69	23494.47	23572.47	23427.54	0.80	ppb
Calcium	44-1	22271.42	22766.76	22621.68	22553.28	1.13	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	132.77	132.26	132.83	132.62	0.24	ppb
Cobalt	59-2	50.34	49.40	50.18	49.97	1.01	ppb
Copper	63-2	723.72	728.39	714.42	722.18	0.99	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				107		%
Indium	115-2				101		%
Iron	56-2	83478.65	82132.77	82859.80	82823.74	0.81	ppb
Iron	57-2	80086.11	81050.50	81599.45	80912.02	0.95	ppb
Iron	54-2	82371.52	83006.00	82748.41	82708.64	0.39	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-10	Instrumnet Name :	P7
Client Sample ID :	MYDBC1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:40:09	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	147.09	150.13	148.13	148.45	1.04	ppb
Lead	207-1	146.22	149.26	146.22	147.23	1.19	ppb
Lead	208-1	146.13	147.93	145.86	146.64	0.77	ppb
Lithium	6-1				95		%
Magnesium	24-2	21645.47	21380.22	21762.24	21595.98	0.91	ppb
Manganese	55-2	2689.96	2640.18	2669.89	2666.68	0.94	ppb
Molybdenum	94-1	78.22	79.06	79.03	78.77	0.61	ppb
Molybdenum	95-1	0.75	1.23	0.68	0.89	33.45	ppb
Molybdenum	96-1	9.15	9.71	9.50	9.45	2.95	ppb
Molybdenum	97-1	0.70	1.00	0.68	0.79	22.97	ppb
Molybdenum	98-1	0.69	0.93	0.69	0.77	17.70	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	214.94	211.56	213.42	213.31	0.79	ppb
Phosphorus	31-2	5103.30	5007.42	5081.42	5064.05	0.99	ppb
Potassium	39-2	8914.41	8736.79	8785.23	8812.15	1.04	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				112		%
Scandium	45-2				112		%
Selenium	82-1	1.53	2.35	1.76	1.88	22.29	ppb
Selenium	77-2	25.58	32.21	31.93	29.91	12.53	ppb
Selenium	78-2	3.86	6.73	5.15	5.25	27.36	ppb
Silicon	28-1	2594.74	2566.84	2619.58	2593.72	1.02	ppb
Silver	107-1	2.18	2.15	2.25	2.19	2.32	ppb
Silver	109-1	2.21	2.22	2.20	2.21	0.47	ppb
Sodium	23-2	339.96	335.65	342.57	339.39	1.03	ppb
Strontium	86-1	236.74	238.55	235.51	236.93	0.65	ppb
Strontium	88-1	248.98	247.59	245.12	247.23	0.79	ppb
Sulfur	34-1	-1596.98	-2085.02	-2135.64	-1939.21		ppb
Terbium	159-1				108		%
Terbium	159-2				105		%
Thallium	203-1	0.47	0.48	0.46	0.47	2.94	ppb
Thallium	205-1	0.47	0.48	0.46	0.47	2.15	ppb
Tin	118-1	5.64	5.74	5.94	5.77	2.67	ppb
Titanium	47-1	1916.19	1923.81	1953.27	1931.09	1.01	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-10	Instrumnet Name :	P7
Client Sample ID :	MYDBC1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:40:09	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.86	1.83	1.81	1.83	1.30	ppb
Vanadium	51-2	144.33	142.63	142.40	143.12	0.74	ppb
Yttrium	89-1				114		%
Yttrium	89-2				111		%
Zinc	66-2	516.78	519.75	517.03	517.85	0.32	ppb
Zirconium	90-1	46.85	47.37	46.72	46.98	0.73	ppb
Zirconium	91-1	46.59	46.87	46.86	46.77	0.34	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-11	Instrumnet Name :	P7
Client Sample ID :	MYDBC2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:43:35	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	37481.24	37866.52	37715.98	37687.91	0.52	ppb
Antimony	121-1	2.73	2.18	3.33	2.75	20.89	ppb
Arsenic	75-2	161.53	168.60	163.39	164.50	2.23	ppb
Barium	135-1	575.66	463.71	677.86	572.41	18.71	ppb
Barium	137-1	618.38	494.07	726.06	612.83	18.94	ppb
Beryllium	9-1	2.01	1.83	2.16	2.00	8.30	ppb
Bismuth	209-1				110		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	10.79	8.48	12.52	10.60	19.13	ppb
Cadmium	106-1	12.83	10.67	13.94	12.48	13.30	ppb
Cadmium	111-1	9.76	7.77	11.58	9.70	19.67	ppb
Calcium	43-1	12888.81	10632.27	14894.36	12805.15	16.65	ppb
Calcium	44-1	12686.39	10260.33	14348.39	12431.70	16.54	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	104.81	105.61	104.36	104.92	0.60	ppb
Cobalt	59-2	46.63	46.79	47.95	47.12	1.52	ppb
Copper	63-2	1603.83	1581.89	1595.01	1593.58	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				109		%
Holmium	165-2				104		%
Indium	115-1				106		%
Indium	115-2				101		%
Iron	56-2	72012.56	72789.74	72271.27	72357.86	0.55	ppb
Iron	57-2	71117.53	70989.22	71235.04	71113.93	0.17	ppb
Iron	54-2	71946.88	72113.01	72073.90	72044.60	0.12	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-11	Instrumnet Name :	P7
Client Sample ID :	MYDBC2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:43:35	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	233.93	191.37	272.19	232.49	17.39	ppb
Lead	207-1	233.72	193.67	272.87	233.42	16.97	ppb
Lead	208-1	251.04	207.66	296.66	251.79	17.67	ppb
Lithium	6-1				96		%
Magnesium	24-2	16243.51	16355.77	16212.08	16270.45	0.46	ppb
Manganese	55-2	2523.54	2552.28	2564.05	2546.62	0.82	ppb
Molybdenum	94-1	53.71	45.08	63.73	54.17	17.23	ppb
Molybdenum	95-1	1.12	0.91	1.25	1.09	15.44	ppb
Molybdenum	96-1	6.98	5.90	8.20	7.03	16.31	ppb
Molybdenum	97-1	1.05	0.90	1.23	1.06	15.67	ppb
Molybdenum	98-1	1.05	0.90	1.25	1.06	16.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	118.44	117.98	118.36	118.26	0.21	ppb
Phosphorus	31-2	3591.69	3651.40	3623.22	3622.10	0.82	ppb
Potassium	39-2	6883.14	7043.79	6948.51	6958.48	1.16	ppb
Rhodium	103-1				105		%
Rhodium	103-2				103		%
Scandium	45-1				111		%
Scandium	45-2				109		%
Selenium	82-1	3.10	1.50	3.37	2.66	38.02	ppb
Selenium	77-2	27.47	23.92	18.42	23.27	19.60	ppb
Selenium	78-2	4.91	4.55	5.67	5.04	11.39	ppb
Silicon	28-1	2473.01	1969.67	2760.84	2401.17	16.68	ppb
Silver	107-1	2.68	2.13	3.17	2.66	19.49	ppb
Silver	109-1	2.64	2.16	3.12	2.64	18.20	ppb
Sodium	23-2	444.46	453.07	447.89	448.47	0.97	ppb
Strontium	86-1	170.66	141.32	201.61	171.20	17.61	ppb
Strontium	88-1	178.23	147.39	209.44	178.35	17.40	ppb
Sulfur	34-1	-2061.05	-3194.40	-1222.48	-2159.31		ppb
Terbium	159-1				110		%
Terbium	159-2				105		%
Thallium	203-1	0.54	0.47	0.64	0.55	14.97	ppb
Thallium	205-1	0.52	0.49	0.64	0.55	14.76	ppb
Tin	118-1	6.47	5.25	7.80	6.51	19.63	ppb
Titanium	47-1	1837.20	1473.14	2172.47	1827.60	19.14	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-11	Instrumnet Name :	P7
Client Sample ID :	MYDBC2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:43:35	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.57	1.29	1.82	1.56	16.88	ppb
Vanadium	51-2	119.75	121.03	121.25	120.68	0.67	ppb
Yttrium	89-1				115		%
Yttrium	89-2				111		%
Zinc	66-2	762.86	772.16	763.73	766.25	0.67	ppb
Zirconium	90-1	32.13	26.83	38.19	32.38	17.55	ppb
Zirconium	91-1	32.37	26.76	38.45	32.53	17.98	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-12	Instrumnet Name :	P7
Client Sample ID :	MYDBC3	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:46:42	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	56286.20	64463.02	60434.83	60394.68	6.77	ppb
Antimony	121-1	4.70	4.81	4.79	4.77	1.20	ppb
Arsenic	75-2	279.61	317.45	290.50	295.86	6.58	ppb
Barium	135-1	835.01	844.37	861.65	847.01	1.60	ppb
Barium	137-1	914.37	926.80	931.47	924.21	0.96	ppb
Beryllium	9-1	3.02	3.12	3.13	3.09	1.88	ppb
Bismuth	209-1				114		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	21.59	20.56	20.44	20.87	3.03	ppb
Cadmium	106-1	24.85	24.40	22.82	24.02	4.44	ppb
Cadmium	111-1	19.44	19.94	20.21	19.86	1.95	ppb
Calcium	43-1	18998.34	19033.46	19543.18	19191.66	1.59	ppb
Calcium	44-1	18298.05	18679.49	18479.64	18485.73	1.03	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	144.70	166.98	154.25	155.31	7.20	ppb
Cobalt	59-2	65.99	76.94	70.94	71.29	7.69	ppb
Copper	63-2	3039.79	3555.09	3243.46	3279.44	7.91	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				107		%
Holmium	165-2				98		%
Indium	115-1				106		%
Indium	115-2				95		%
Iron	56-2	99331.17	116098.64	104648.54	106692.79	8.03	ppb
Iron	57-2	98043.87	113422.63	103245.12	104903.87	7.46	ppb
Iron	54-2	98138.06	115553.15	105470.35	106387.19	8.22	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-12	Instrumnet Name :	P7
Client Sample ID :	MYDBC3	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:46:42	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	665.27	696.85	679.73	680.62	2.32	ppb
Lead	207-1	684.59	696.39	698.00	692.99	1.06	ppb
Lead	208-1	667.98	687.92	686.06	680.65	1.62	ppb
Lithium	6-1				98		%
Magnesium	24-2	18805.29	21578.53	19783.83	20055.88	7.01	ppb
Manganese	55-2	3125.62	3634.65	3290.59	3350.29	7.75	ppb
Molybdenum	94-1	78.70	79.37	81.53	79.86	1.85	ppb
Molybdenum	95-1	1.56	1.62	1.59	1.59	1.91	ppb
Molybdenum	96-1	10.20	10.25	10.46	10.30	1.36	ppb
Molybdenum	97-1	1.52	1.54	1.67	1.58	5.21	ppb
Molybdenum	98-1	1.55	1.54	1.56	1.55	0.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	193.27	223.46	205.40	207.38	7.33	ppb
Phosphorus	31-2	4633.24	5337.39	4865.70	4945.44	7.25	ppb
Potassium	39-2	8183.26	9369.63	8885.26	8812.72	6.77	ppb
Rhodium	103-1				102		%
Rhodium	103-2				95		%
Scandium	45-1				111		%
Scandium	45-2				105		%
Selenium	82-1	5.22	4.33	4.35	4.64	10.96	ppb
Selenium	77-2	33.64	45.59	34.34	37.86	17.72	ppb
Selenium	78-2	8.17	12.66	12.68	11.17	23.25	ppb
Silicon	28-1	2325.78	2298.41	2335.90	2320.03	0.84	ppb
Silver	107-1	8.39	8.65	8.66	8.57	1.77	ppb
Silver	109-1	8.46	8.56	8.76	8.59	1.79	ppb
Sodium	23-2	377.19	447.85	409.91	411.65	8.59	ppb
Strontium	86-1	182.71	184.16	185.72	184.19	0.82	ppb
Strontium	88-1	191.18	191.50	193.86	192.18	0.76	ppb
Sulfur	34-1	-1355.60	-1483.99	-1619.95	-1486.51		ppb
Terbium	159-1				109		%
Terbium	159-2				99		%
Thallium	203-1	0.62	0.67	0.65	0.65	3.47	ppb
Thallium	205-1	0.64	0.67	0.65	0.65	2.86	ppb
Tin	118-1	11.42	11.83	11.78	11.68	1.91	ppb
Titanium	47-1	1917.17	1935.27	1942.47	1931.64	0.67	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-12	Instrumnet Name :	P7
Client Sample ID :	MYDBC3	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:46:42	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.96	1.99	1.91	1.95	2.17	ppb
Vanadium	51-2	161.86	187.56	171.91	173.78	7.45	ppb
Yttrium	89-1				115		%
Yttrium	89-2				105		%
Zinc	66-2	1516.69	1762.62	1618.15	1632.49	7.57	ppb
Zirconium	90-1	46.92	47.47	48.09	47.49	1.24	ppb
Zirconium	91-1	47.30	47.30	47.75	47.45	0.54	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-13	Instrumnet Name :	P7
Client Sample ID :	MYDBC4	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:49:44	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	55046.75	54622.55	54299.97	54656.42	0.69	ppb
Antimony	121-1	2.04	2.06	2.16	2.09	3.23	ppb
Arsenic	75-2	180.05	176.66	177.13	177.94	1.03	ppb
Barium	135-1	768.10	792.44	790.59	783.71	1.73	ppb
Barium	137-1	852.73	852.51	877.78	861.01	1.69	ppb
Beryllium	9-1	2.91	3.34	3.14	3.13	6.97	ppb
Bismuth	209-1				109		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	13.72	13.76	12.96	13.48	3.36	ppb
Cadmium	106-1	17.90	16.73	18.36	17.66	4.73	ppb
Cadmium	111-1	11.73	11.96	12.15	11.94	1.77	ppb
Calcium	43-1	19983.99	20741.61	20369.92	20365.17	1.86	ppb
Calcium	44-1	19537.03	20044.84	19835.69	19805.86	1.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	134.38	133.94	134.23	134.19	0.17	ppb
Cobalt	59-2	56.14	56.48	56.79	56.47	0.58	ppb
Copper	63-2	1717.81	1657.08	1693.80	1689.57	1.81	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				105		%
Indium	115-1				105		%
Indium	115-2				101		%
Iron	56-2	84717.92	84627.10	84974.03	84773.02	0.21	ppb
Iron	57-2	84365.48	83377.72	84290.62	84011.27	0.65	ppb
Iron	54-2	84603.01	85182.57	84612.60	84799.39	0.39	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-13	Instrumnet Name :	P7
Client Sample ID :	MYDBC4	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:49:44	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	301.63	317.73	310.54	309.97	2.60	ppb
Lead	207-1	299.02	314.72	306.29	306.68	2.56	ppb
Lead	208-1	327.53	338.47	331.58	332.53	1.66	ppb
Lithium	6-1				97		%
Magnesium	24-2	18299.56	18248.33	18261.72	18269.87	0.15	ppb
Manganese	55-2	2779.91	2787.40	2736.09	2767.80	1.00	ppb
Molybdenum	94-1	68.64	68.78	70.81	69.41	1.75	ppb
Molybdenum	95-1	0.89	0.89	0.84	0.87	3.08	ppb
Molybdenum	96-1	8.45	8.07	8.92	8.48	4.99	ppb
Molybdenum	97-1	0.80	0.83	0.86	0.83	4.02	ppb
Molybdenum	98-1	0.84	0.87	0.86	0.86	1.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	194.18	193.30	192.90	193.46	0.34	ppb
Phosphorus	31-2	4383.82	4410.52	4348.26	4380.87	0.71	ppb
Potassium	39-2	7560.55	7488.17	7598.58	7549.10	0.74	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				112		%
Scandium	45-2				112		%
Selenium	82-1	3.67	3.61	3.17	3.48	7.95	ppb
Selenium	77-2	31.47	34.20	33.03	32.90	4.16	ppb
Selenium	78-2	7.15	6.41	11.47	8.34	32.79	ppb
Silicon	28-1	2645.10	2703.75	2727.41	2692.09	1.57	ppb
Silver	107-1	3.90	4.02	4.05	3.99	2.00	ppb
Silver	109-1	3.91	3.98	4.09	4.00	2.20	ppb
Sodium	23-2	359.11	359.54	362.42	360.36	0.50	ppb
Strontium	86-1	187.21	182.15	190.03	186.47	2.14	ppb
Strontium	88-1	191.52	191.96	197.54	193.67	1.73	ppb
Sulfur	34-1	-1940.75	-1911.10	-2089.49	-1980.45		ppb
Terbium	159-1				109		%
Terbium	159-2				105		%
Thallium	203-1	0.54	0.52	0.55	0.54	3.00	ppb
Thallium	205-1	0.54	0.54	0.54	0.54	0.47	ppb
Tin	118-1	7.17	7.13	7.40	7.24	2.02	ppb
Titanium	47-1	1737.31	1766.79	1851.76	1785.29	3.33	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-13	Instrumnet Name :	P7
Client Sample ID :	MYDBC4	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:49:44	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.76	1.87	1.83	1.82	3.06	ppb
Vanadium	51-2	148.50	149.54	147.92	148.65	0.55	ppb
Yttrium	89-1				115		%
Yttrium	89-2				112		%
Zinc	66-2	975.09	974.48	977.76	975.78	0.18	ppb
Zirconium	90-1	41.04	41.24	41.49	41.26	0.55	ppb
Zirconium	91-1	41.75	40.79	42.20	41.58	1.73	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-14	Instrumnet Name :	P7
Client Sample ID :	MYDBC5	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:52:49	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	73358.97	74016.08	73195.97	73523.67	0.59	ppb
Antimony	121-1	5.24	5.14	5.23	5.20	1.03	ppb
Arsenic	75-2	242.37	237.36	236.95	238.89	1.26	ppb
Barium	135-1	1165.07	1136.63	1146.99	1149.56	1.25	ppb
Barium	137-1	1157.21	1138.32	1145.31	1146.94	0.83	ppb
Beryllium	9-1	4.03	4.22	3.64	3.96	7.38	ppb
Bismuth	209-1				111		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	16.91	16.59	16.00	16.50	2.81	ppb
Cadmium	106-1	21.93	20.57	20.33	20.94	4.14	ppb
Cadmium	111-1	15.07	14.44	14.67	14.73	2.16	ppb
Calcium	43-1	22443.25	22465.86	22701.09	22536.73	0.63	ppb
Calcium	44-1	21495.56	21811.45	21814.70	21707.24	0.84	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	186.48	186.69	187.40	186.85	0.26	ppb
Cobalt	59-2	70.32	70.62	70.03	70.32	0.42	ppb
Copper	63-2	1957.95	1967.61	1976.60	1967.39	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				108		%
Holmium	165-2				104		%
Indium	115-1				105		%
Indium	115-2				101		%
Iron	56-2	125192.80	126109.89	125114.70	125472.46	0.44	ppb
Iron	57-2	123776.68	125321.90	122291.55	123796.71	1.22	ppb
Iron	54-2	124358.62	124645.75	124664.31	124556.23	0.14	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-14	Instrumnet Name :	P7
Client Sample ID :	MYDBC5	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:52:49	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	354.40	360.89	355.87	357.05	0.95	ppb
Lead	207-1	351.99	359.11	360.65	357.25	1.29	ppb
Lead	208-1	379.78	385.81	384.03	383.21	0.81	ppb
Lithium	6-1				99		%
Magnesium	24-2	23065.32	23115.26	23131.89	23104.16	0.15	ppb
Manganese	55-2	3425.45	3503.44	3468.20	3465.70	1.13	ppb
Molybdenum	94-1	82.10	81.57	82.67	82.11	0.67	ppb
Molybdenum	95-1	1.55	1.56	1.45	1.52	4.07	ppb
Molybdenum	96-1	10.39	10.63	10.75	10.59	1.73	ppb
Molybdenum	97-1	1.36	1.55	1.48	1.46	6.39	ppb
Molybdenum	98-1	1.43	1.50	1.49	1.47	2.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	243.00	244.04	243.03	243.36	0.24	ppb
Phosphorus	31-2	4718.24	4809.32	4700.97	4742.84	1.23	ppb
Potassium	39-2	8884.40	9096.27	8922.62	8967.77	1.26	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				113		%
Scandium	45-2				114		%
Selenium	82-1	3.11	3.03	3.47	3.20	7.38	ppb
Selenium	77-2	33.43	34.54	39.04	35.67	8.33	ppb
Selenium	78-2	8.34	11.26	8.55	9.39	17.37	ppb
Silicon	28-1	1749.51	1786.85	1804.32	1780.23	1.57	ppb
Silver	107-1	4.44	4.31	4.26	4.34	2.16	ppb
Silver	109-1	4.26	4.15	4.18	4.19	1.35	ppb
Sodium	23-2	415.62	418.41	421.51	418.51	0.70	ppb
Strontium	86-1	213.29	219.26	218.99	217.18	1.55	ppb
Strontium	88-1	226.25	224.11	222.52	224.29	0.83	ppb
Sulfur	34-1	-1735.32	-1904.65	-1939.84	-1859.94		ppb
Terbium	159-1				109		%
Terbium	159-2				105		%
Thallium	203-1	0.67	0.66	0.67	0.67	0.82	ppb
Thallium	205-1	0.68	0.74	0.69	0.70	4.54	ppb
Tin	118-1	10.68	10.45	10.43	10.52	1.31	ppb
Titanium	47-1	2238.12	2203.00	2225.37	2222.17	0.80	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-14	Instrumnet Name :	P7
Client Sample ID :	MYDBC5	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:52:49	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.60	2.64	2.65	2.63	0.95	ppb
Vanadium	51-2	213.67	216.28	214.05	214.66	0.66	ppb
Yttrium	89-1				117		%
Yttrium	89-2				115		%
Zinc	66-2	1182.04	1182.82	1178.62	1181.16	0.19	ppb
Zirconium	90-1	47.93	48.72	49.01	48.55	1.15	ppb
Zirconium	91-1	48.49	49.02	49.11	48.87	0.69	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-15	Instrumnet Name :	P7
Client Sample ID :	MYDBC6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:55:51	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	41505.66	41899.59	41558.69	41654.64	0.51	ppb
Antimony	121-1	5.25	5.54	5.17	5.32	3.63	ppb
Arsenic	75-2	195.52	194.04	197.54	195.70	0.90	ppb
Barium	135-1	638.62	671.91	638.86	649.80	2.95	ppb
Barium	137-1	690.45	717.10	688.01	698.52	2.31	ppb
Beryllium	9-1	2.30	2.34	2.43	2.36	2.72	ppb
Bismuth	209-1				108		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	12.18	12.66	12.48	12.44	1.96	ppb
Cadmium	106-1	16.06	16.58	15.38	16.01	3.75	ppb
Cadmium	111-1	11.31	12.07	11.27	11.55	3.90	ppb
Calcium	43-1	13652.98	13997.69	13750.89	13800.52	1.29	ppb
Calcium	44-1	13036.30	13648.21	13026.69	13237.07	2.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	106.71	105.71	104.89	105.77	0.86	ppb
Cobalt	59-2	58.56	58.30	58.73	58.53	0.37	ppb
Copper	63-2	1647.28	1653.05	1651.11	1650.48	0.18	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				103		%
Indium	115-1				105		%
Indium	115-2				101		%
Iron	56-2	92814.91	93546.82	92150.20	92837.31	0.75	ppb
Iron	57-2	91874.48	92682.81	90018.12	91525.14	1.49	ppb
Iron	54-2	93668.82	94319.91	92903.74	93630.83	0.76	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-15	Instrumnet Name :	P7
Client Sample ID :	MYDBC6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:55:51	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	244.08	255.74	252.38	250.73	2.39	ppb
Lead	207-1	242.90	254.55	254.36	250.61	2.66	ppb
Lead	208-1	263.61	272.97	273.40	269.99	2.05	ppb
Lithium	6-1				92		%
Magnesium	24-2	16832.86	17085.34	16785.78	16901.33	0.95	ppb
Manganese	55-2	3865.34	3910.68	3829.18	3868.40	1.06	ppb
Molybdenum	94-1	61.94	64.96	62.92	63.28	2.43	ppb
Molybdenum	95-1	2.09	2.19	2.12	2.13	2.51	ppb
Molybdenum	96-1	8.64	9.51	9.06	9.07	4.76	ppb
Molybdenum	97-1	2.13	2.20	2.09	2.14	2.58	ppb
Molybdenum	98-1	2.10	2.16	2.09	2.12	1.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	115.93	115.93	115.99	115.95	0.03	ppb
Phosphorus	31-2	3063.42	3013.98	3015.89	3031.10	0.92	ppb
Potassium	39-2	9970.03	9959.29	9742.42	9890.58	1.30	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				109		%
Scandium	45-2				110		%
Selenium	82-1	2.70	2.79	2.14	2.54	13.85	ppb
Selenium	77-2	22.04	28.80	19.75	23.53	20.01	ppb
Selenium	78-2	5.77	7.86	3.54	5.72	37.68	ppb
Silicon	28-1	1479.28	1515.35	1511.61	1502.08	1.32	ppb
Silver	107-1	3.19	3.44	3.29	3.31	3.81	ppb
Silver	109-1	3.15	3.33	3.24	3.24	2.70	ppb
Sodium	23-2	290.78	290.75	291.10	290.88	0.07	ppb
Strontium	86-1	158.58	169.20	160.37	162.72	3.49	ppb
Strontium	88-1	164.92	174.46	167.92	169.10	2.88	ppb
Sulfur	34-1	-2309.52	-2209.45	-2389.51	-2302.83		ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	0.57	0.62	0.57	0.59	4.64	ppb
Thallium	205-1	0.58	0.61	0.59	0.59	3.09	ppb
Tin	118-1	5.35	5.58	5.31	5.41	2.69	ppb
Titanium	47-1	1748.85	1869.43	1795.74	1804.67	3.37	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-15	Instrumnet Name :	P7
Client Sample ID :	MYDBC6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:55:51	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.80	1.87	1.89	1.85	2.75	ppb
Vanadium	51-2	155.03	153.55	153.55	154.04	0.56	ppb
Yttrium	89-1				112		%
Yttrium	89-2				111		%
Zinc	66-2	770.98	763.84	767.20	767.34	0.47	ppb
Zirconium	90-1	36.23	37.95	36.76	36.98	2.38	ppb
Zirconium	91-1	36.39	38.66	36.60	37.22	3.36	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-16	Instrumnet Name :	P7
Client Sample ID :	MYDBC7	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:58:58	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	36676.30	36575.64	36687.68	36646.54	0.17	ppb
Antimony	121-1	4.06	4.24	4.23	4.18	2.49	ppb
Arsenic	75-2	149.07	151.99	151.23	150.76	1.01	ppb
Barium	135-1	645.28	655.34	657.63	652.75	1.01	ppb
Barium	137-1	695.39	703.65	708.99	702.68	0.98	ppb
Beryllium	9-1	2.03	2.05	1.88	1.98	4.63	ppb
Bismuth	209-1				109		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	12.07	9.09	11.25	10.80	14.24	ppb
Cadmium	106-1	14.43	13.62	12.82	13.62	5.94	ppb
Cadmium	111-1	9.20	9.73	9.61	9.51	2.94	ppb
Calcium	43-1	12274.32	12787.54	12750.71	12604.19	2.27	ppb
Calcium	44-1	11776.10	12061.05	12304.94	12047.36	2.20	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	96.56	97.00	97.04	96.87	0.27	ppb
Cobalt	59-2	54.09	54.11	54.01	54.07	0.10	ppb
Copper	63-2	1341.73	1355.57	1354.32	1350.54	0.57	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				106		%
Holmium	165-2				104		%
Indium	115-1				105		%
Indium	115-2				100		%
Iron	56-2	97894.92	98130.33	98390.36	98138.53	0.25	ppb
Iron	57-2	96558.64	96573.90	95045.74	96059.43	0.91	ppb
Iron	54-2	97544.13	98602.30	98686.47	98277.63	0.65	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-16	Instrumnet Name :	P7
Client Sample ID :	MYDBC7	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:58:58	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	211.42	215.41	217.86	214.90	1.51	ppb
Lead	207-1	211.52	216.42	218.88	215.61	1.74	ppb
Lead	208-1	225.93	233.76	234.00	231.23	1.99	ppb
Lithium	6-1				95		%
Magnesium	24-2	15277.36	15147.96	15177.78	15201.03	0.45	ppb
Manganese	55-2	4434.32	4444.09	4466.81	4448.41	0.37	ppb
Molybdenum	94-1	54.42	54.90	57.02	55.44	2.49	ppb
Molybdenum	95-1	1.88	1.88	2.05	1.94	5.06	ppb
Molybdenum	96-1	8.04	7.95	8.30	8.10	2.23	ppb
Molybdenum	97-1	1.78	1.93	1.95	1.89	4.94	ppb
Molybdenum	98-1	1.84	1.89	1.93	1.89	2.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	105.79	105.61	106.89	106.10	0.65	ppb
Phosphorus	31-2	2833.02	2891.78	2900.15	2874.98	1.27	ppb
Potassium	39-2	8639.16	8598.40	8610.59	8616.05	0.24	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				106		%
Scandium	45-2				107		%
Selenium	82-1	1.81	2.60	2.71	2.37	20.52	ppb
Selenium	77-2	26.60	23.24	25.95	25.26	7.06	ppb
Selenium	78-2	5.78	3.05	4.39	4.41	31.03	ppb
Silicon	28-1	1636.61	1699.83	1725.52	1687.32	2.71	ppb
Silver	107-1	2.30	2.26	2.27	2.28	0.88	ppb
Silver	109-1	2.17	2.23	2.22	2.21	1.58	ppb
Sodium	23-2	290.32	291.21	292.59	291.37	0.39	ppb
Strontium	86-1	135.36	136.21	138.46	136.68	1.17	ppb
Strontium	88-1	141.33	145.55	144.10	143.66	1.49	ppb
Sulfur	34-1	-2030.01	-1931.94	-2030.18	-1997.38		ppb
Terbium	159-1				108		%
Terbium	159-2				104		%
Thallium	203-1	0.48	0.54	0.47	0.50	6.88	ppb
Thallium	205-1	0.48	0.48	0.51	0.49	3.44	ppb
Tin	118-1	6.39	6.39	6.37	6.38	0.12	ppb
Titanium	47-1	1655.18	1718.11	1750.13	1707.81	2.83	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-16	Instrumnet Name :	P7
Client Sample ID :	MYDBC7	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:58:58	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.53	1.56	1.55	1.55	0.89	ppb
Vanadium	51-2	140.48	140.07	140.67	140.41	0.22	ppb
Yttrium	89-1				111		%
Yttrium	89-2				108		%
Zinc	66-2	659.96	657.11	669.01	662.03	0.94	ppb
Zirconium	90-1	31.72	32.39	32.93	32.35	1.88	ppb
Zirconium	91-1	31.37	32.41	33.43	32.40	3.17	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-17	Instrumnet Name :	P7
Client Sample ID :	MYDBC8	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:02:03	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46625.99	46823.99	46209.32	46553.10	0.67	ppb
Antimony	121-1	3.22	3.27	3.25	3.25	0.71	ppb
Arsenic	75-2	120.86	122.84	123.63	122.45	1.16	ppb
Barium	135-1	718.08	721.95	724.39	721.47	0.44	ppb
Barium	137-1	768.45	763.06	799.60	777.03	2.54	ppb
Beryllium	9-1	2.57	2.41	2.59	2.52	3.78	ppb
Bismuth	209-1				109		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.14	9.02	8.95	8.70	5.61	ppb
Cadmium	106-1	10.68	13.01	11.37	11.69	10.24	ppb
Cadmium	111-1	6.54	6.73	6.77	6.68	1.83	ppb
Calcium	43-1	16975.50	16846.83	17236.79	17019.71	1.17	ppb
Calcium	44-1	16008.10	16527.93	16676.44	16404.16	2.14	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	121.03	121.14	120.11	120.76	0.47	ppb
Cobalt	59-2	50.24	50.00	50.45	50.23	0.45	ppb
Copper	63-2	890.87	890.51	880.73	887.37	0.65	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				105		%
Indium	115-2				102		%
Iron	56-2	86163.48	87209.11	86854.31	86742.30	0.61	ppb
Iron	57-2	86081.95	84476.35	84865.52	85141.27	0.98	ppb
Iron	54-2	86344.51	86576.40	87033.48	86651.46	0.40	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-17	Instrumnet Name :	P7
Client Sample ID :	MYDBC8	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:02:03	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	181.20	181.94	183.47	182.20	0.63	ppb
Lead	207-1	180.85	183.82	185.90	183.52	1.38	ppb
Lead	208-1	181.13	180.85	183.62	181.86	0.84	ppb
Lithium	6-1				95		%
Magnesium	24-2	15711.88	15753.78	15650.80	15705.49	0.33	ppb
Manganese	55-2	2635.75	2649.94	2669.57	2651.75	0.64	ppb
Molybdenum	94-1	76.41	78.06	79.24	77.90	1.82	ppb
Molybdenum	95-1	0.90	1.00	0.91	0.94	5.69	ppb
Molybdenum	96-1	9.41	9.60	9.60	9.54	1.16	ppb
Molybdenum	97-1	0.82	0.85	0.88	0.85	3.54	ppb
Molybdenum	98-1	0.92	0.88	0.93	0.91	2.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	169.43	168.67	168.43	168.84	0.31	ppb
Phosphorus	31-2	3513.67	3488.68	3515.81	3506.05	0.43	ppb
Potassium	39-2	6946.57	6957.42	7044.98	6982.99	0.77	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				109		%
Scandium	45-2				110		%
Selenium	82-1	2.27	1.36	2.45	2.03	28.64	ppb
Selenium	77-2	28.48	23.54	30.38	27.46	12.85	ppb
Selenium	78-2	3.76	7.08	3.31	4.72	43.65	ppb
Silicon	28-1	1848.37	1867.43	1886.09	1867.30	1.01	ppb
Silver	107-1	1.96	1.98	1.94	1.96	0.81	ppb
Silver	109-1	1.87	2.01	1.98	1.96	3.63	ppb
Sodium	23-2	296.04	294.65	295.16	295.28	0.24	ppb
Strontium	86-1	154.40	157.26	158.72	156.79	1.40	ppb
Strontium	88-1	158.44	164.99	164.61	162.68	2.26	ppb
Sulfur	34-1	-1786.36	-1991.97	-1857.46	-1878.60		ppb
Terbium	159-1				108		%
Terbium	159-2				106		%
Thallium	203-1	0.40	0.39	0.39	0.39	1.29	ppb
Thallium	205-1	0.37	0.40	0.39	0.38	4.65	ppb
Tin	118-1	3.99	4.11	4.19	4.10	2.48	ppb
Titanium	47-1	1835.55	1864.46	1897.98	1866.00	1.67	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-17	Instrumnet Name :	P7
Client Sample ID :	MYDBC8	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:02:03	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.68	1.65	1.67	1.66	0.71	ppb
Vanadium	51-2	138.80	139.57	140.36	139.58	0.56	ppb
Yttrium	89-1				111		%
Yttrium	89-2				110		%
Zinc	66-2	567.83	563.02	562.46	564.44	0.52	ppb
Zirconium	90-1	45.37	46.90	47.16	46.48	2.08	ppb
Zirconium	91-1	46.08	46.75	47.76	46.87	1.80	ppb

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-18	Instrumnet Name :	P7
Client Sample ID :	MYDBC9	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:05:10	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	56313.93	56107.56	56114.81	56178.77	0.21	ppb
Antimony	121-1	2.12	2.08	2.12	2.11	1.29	ppb
Arsenic	75-2	60.43	59.07	59.19	59.56	1.27	ppb
Barium	135-1	1075.82	1108.21	1108.80	1097.61	1.72	ppb
Barium	137-1	1112.22	1109.84	1113.79	1111.95	0.18	ppb
Beryllium	9-1	2.79	3.02	3.03	2.95	4.55	ppb
Bismuth	209-1				109		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	6.39	7.32	7.31	7.01	7.59	ppb
Cadmium	106-1	10.53	8.62	10.39	9.85	10.80	ppb
Cadmium	111-1	4.85	4.85	5.24	4.98	4.54	ppb
Calcium	43-1	23364.35	23228.19	23744.27	23445.61	1.14	ppb
Calcium	44-1	22612.61	22429.16	22666.27	22569.34	0.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	117.37	117.66	118.15	117.73	0.34	ppb
Cobalt	59-2	47.05	47.47	46.60	47.04	0.92	ppb
Copper	63-2	572.74	573.32	562.87	569.64	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				109		%
Holmium	165-2				106		%
Indium	115-1				107		%
Indium	115-2				102		%
Iron	56-2	82685.01	82449.99	81493.18	82209.39	0.77	ppb
Iron	57-2	80029.22	81596.79	80078.36	80568.12	1.11	ppb
Iron	54-2	83130.36	81263.86	82364.11	82252.78	1.14	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-18	Instrumnet Name :	P7
Client Sample ID :	MYDBC9	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:05:10	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	131.16	131.97	133.16	132.10	0.76	ppb
Lead	207-1	131.21	131.12	132.40	131.57	0.54	ppb
Lead	208-1	130.72	130.99	131.99	131.23	0.51	ppb
Lithium	6-1				97		%
Magnesium	24-2	20838.26	20656.38	20515.80	20670.15	0.78	ppb
Manganese	55-2	2801.55	2784.72	2774.29	2786.85	0.49	ppb
Molybdenum	94-1	62.37	62.29	64.01	62.89	1.54	ppb
Molybdenum	95-1	1.10	1.13	1.15	1.13	2.44	ppb
Molybdenum	96-1	8.08	7.94	8.28	8.10	2.15	ppb
Molybdenum	97-1	1.15	1.16	1.15	1.15	0.62	ppb
Molybdenum	98-1	1.09	1.13	1.18	1.13	4.22	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	169.19	170.92	169.76	169.96	0.52	ppb
Phosphorus	31-2	4796.77	4780.40	4714.31	4763.83	0.92	ppb
Potassium	39-2	11364.90	11419.86	11223.04	11335.93	0.90	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				112		%
Scandium	45-2				112		%
Selenium	82-1	1.48	1.79	1.43	1.57	12.29	ppb
Selenium	77-2	30.17	27.39	22.08	26.55	15.48	ppb
Selenium	78-2	7.23	4.86	5.70	5.93	20.28	ppb
Silicon	28-1	1589.21	1564.99	1630.82	1595.00	2.09	ppb
Silver	107-1	1.30	1.30	1.31	1.30	0.44	ppb
Silver	109-1	1.30	1.33	1.32	1.32	1.27	ppb
Sodium	23-2	310.09	316.01	310.33	312.14	1.07	ppb
Strontium	86-1	242.24	241.59	245.67	243.17	0.90	ppb
Strontium	88-1	249.41	246.04	254.50	249.98	1.70	ppb
Sulfur	34-1	-1726.99	-1963.14	-1803.56	-1831.23		ppb
Terbium	159-1				110		%
Terbium	159-2				106		%
Thallium	203-1	0.38	0.39	0.39	0.38	1.50	ppb
Thallium	205-1	0.40	0.41	0.38	0.39	4.36	ppb
Tin	118-1	5.32	5.36	5.38	5.35	0.52	ppb
Titanium	47-1	1668.97	1658.70	1703.80	1677.15	1.41	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-18	Instrumnet Name :	P7
Client Sample ID :	MYDBC9	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:05:10	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.87	1.93	1.87	1.89	1.73	ppb
Vanadium	51-2	134.60	134.45	135.24	134.76	0.31	ppb
Yttrium	89-1				114		%
Yttrium	89-2				111		%
Zinc	66-2	576.65	573.34	571.21	573.73	0.48	ppb
Zirconium	90-1	36.73	37.56	37.70	37.33	1.40	ppb
Zirconium	91-1	37.12	37.56	37.43	37.37	0.60	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-19	Instrumnet Name :	P7
Client Sample ID :	MYDBD0	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:08:14	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49558.75	51220.84	55077.63	51952.40	5.45	ppb
Antimony	121-1	2.21	2.30	2.38	2.30	3.55	ppb
Arsenic	75-2	213.05	220.90	233.52	222.49	4.64	ppb
Barium	135-1	1096.30	1115.21	1120.33	1110.61	1.14	ppb
Barium	137-1	1095.15	1123.83	1155.41	1124.80	2.68	ppb
Beryllium	9-1	2.99	3.06	3.00	3.02	1.29	ppb
Bismuth	209-1				109		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	16.95	17.80	17.73	17.49	2.68	ppb
Cadmium	106-1	19.16	21.13	17.80	19.36	8.65	ppb
Cadmium	111-1	15.83	16.62	16.44	16.30	2.52	ppb
Calcium	43-1	17462.31	17273.23	17980.12	17571.89	2.08	ppb
Calcium	44-1	16756.54	16688.50	17214.67	16886.57	1.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	127.01	130.60	138.56	132.06	4.48	ppb
Cobalt	59-2	54.01	55.62	59.49	56.37	5.00	ppb
Copper	63-2	1743.31	1785.73	1886.33	1805.12	4.07	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				99		%
Indium	115-1				102		%
Indium	115-2				97		%
Iron	56-2	79650.31	80011.16	87258.61	82306.69	5.21	ppb
Iron	57-2	77121.04	79189.12	85665.73	80658.63	5.53	ppb
Iron	54-2	79268.15	80991.98	86744.53	82334.89	4.75	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-19	Instrumnet Name :	P7
Client Sample ID :	MYDBD0	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:08:14	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	273.84	266.50	278.84	273.06	2.27	ppb
Lead	207-1	273.64	269.85	278.54	274.01	1.59	ppb
Lead	208-1	296.17	288.38	299.80	294.78	1.98	ppb
Lithium	6-1				94		%
Magnesium	24-2	17791.64	18116.51	19391.97	18433.37	4.59	ppb
Manganese	55-2	2650.78	2714.93	2880.03	2748.58	4.30	ppb
Molybdenum	94-1	59.57	59.85	62.46	60.63	2.63	ppb
Molybdenum	95-1	1.06	1.01	1.12	1.06	4.77	ppb
Molybdenum	96-1	7.46	7.65	8.15	7.75	4.57	ppb
Molybdenum	97-1	0.95	1.02	1.11	1.03	7.67	ppb
Molybdenum	98-1	1.02	1.07	1.05	1.05	2.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	188.64	194.85	208.43	197.31	5.13	ppb
Phosphorus	31-2	4018.20	4110.83	4355.02	4161.35	4.18	ppb
Potassium	39-2	5496.43	5646.32	6086.23	5743.00	5.34	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				109		%
Scandium	45-2				106		%
Selenium	82-1	3.06	3.06	4.08	3.40	17.20	ppb
Selenium	77-2	27.81	30.10	27.65	28.52	4.80	ppb
Selenium	78-2	7.15	6.02	9.55	7.57	23.83	ppb
Silicon	28-1	2446.90	2413.09	2481.43	2447.14	1.40	ppb
Silver	107-1	3.47	3.54	3.57	3.53	1.50	ppb
Silver	109-1	3.39	3.51	3.46	3.46	1.65	ppb
Sodium	23-2	386.36	403.27	434.49	408.04	5.98	ppb
Strontium	86-1	220.72	219.47	228.01	222.73	2.07	ppb
Strontium	88-1	226.15	227.67	234.71	229.51	1.99	ppb
Sulfur	34-1	-1982.41	-2270.06	-2021.45	-2091.31		ppb
Terbium	159-1				107		%
Terbium	159-2				101		%
Thallium	203-1	0.46	0.46	0.51	0.48	6.82	ppb
Thallium	205-1	0.46	0.47	0.47	0.47	1.21	ppb
Tin	118-1	5.69	5.84	6.00	5.84	2.60	ppb
Titanium	47-1	1663.35	1637.77	1687.39	1662.84	1.49	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-19	Instrumnet Name :	P7
Client Sample ID :	MYDBD0	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:08:14	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.94	1.92	1.99	1.95	1.99	ppb
Vanadium	51-2	149.18	154.00	164.17	155.79	4.91	ppb
Yttrium	89-1				112		%
Yttrium	89-2				108		%
Zinc	66-2	1154.61	1187.84	1257.73	1200.06	4.39	ppb
Zirconium	90-1	35.15	36.06	37.11	36.10	2.71	ppb
Zirconium	91-1	35.89	35.64	37.21	36.24	2.32	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-20	Instrumnet Name :	P7
Client Sample ID :	MYDBD1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:11:19	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47685.34	48187.99	48599.36	48157.56	0.95	ppb
Antimony	121-1	2.92	2.98	3.00	2.97	1.46	ppb
Arsenic	75-2	196.25	195.77	198.85	196.96	0.84	ppb
Barium	135-1	835.01	831.07	831.18	832.42	0.27	ppb
Barium	137-1	898.25	899.74	896.99	898.33	0.15	ppb
Beryllium	9-1	2.57	2.56	2.71	2.61	3.07	ppb
Bismuth	209-1				111		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	18.86	18.00	17.42	18.10	4.01	ppb
Cadmium	106-1	21.20	21.71	21.84	21.58	1.57	ppb
Cadmium	111-1	16.90	16.88	16.75	16.84	0.46	ppb
Calcium	43-1	17615.43	17602.38	17893.99	17703.93	0.93	ppb
Calcium	44-1	17094.55	17131.42	17404.66	17210.21	0.98	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	125.50	127.61	128.59	127.23	1.24	ppb
Cobalt	59-2	53.90	54.93	55.61	54.81	1.57	ppb
Copper	63-2	1738.11	1766.96	1760.54	1755.20	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				108		%
Holmium	165-2				103		%
Indium	115-1				105		%
Indium	115-2				100		%
Iron	56-2	83339.87	84856.87	84930.02	84375.59	1.06	ppb
Iron	57-2	82449.63	82335.62	83032.39	82605.88	0.45	ppb
Iron	54-2	82385.46	83940.54	84316.76	83547.59	1.23	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-20	Instrumnet Name :	P7
Client Sample ID :	MYDBD1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:11:19	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	245.27	242.52	249.05	245.62	1.33	ppb
Lead	207-1	245.36	246.42	246.08	245.95	0.22	ppb
Lead	208-1	264.80	265.63	266.46	265.63	0.31	ppb
Lithium	6-1				97		%
Magnesium	24-2	18051.17	18322.78	18328.11	18234.02	0.87	ppb
Manganese	55-2	2919.25	2925.62	2954.28	2933.05	0.64	ppb
Molybdenum	94-1	68.16	69.32	69.48	68.99	1.04	ppb
Molybdenum	95-1	1.12	1.11	1.16	1.13	2.41	ppb
Molybdenum	96-1	8.57	8.69	8.78	8.68	1.24	ppb
Molybdenum	97-1	1.13	1.21	1.15	1.16	3.64	ppb
Molybdenum	98-1	1.12	1.11	1.14	1.12	1.05	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	186.02	186.69	186.29	186.33	0.18	ppb
Phosphorus	31-2	3853.81	3904.77	3979.70	3912.76	1.62	ppb
Potassium	39-2	6282.11	6409.09	6381.73	6357.64	1.05	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				109		%
Scandium	45-2				108		%
Selenium	82-1	2.23	2.46	2.96	2.55	14.58	ppb
Selenium	77-2	30.50	25.19	24.12	26.60	12.84	ppb
Selenium	78-2	8.45	4.91	7.28	6.88	26.18	ppb
Silicon	28-1	2344.93	2319.63	2400.32	2354.96	1.75	ppb
Silver	107-1	2.95	2.81	2.94	2.90	2.61	ppb
Silver	109-1	2.90	2.85	2.93	2.89	1.47	ppb
Sodium	23-2	447.23	453.55	461.44	454.08	1.57	ppb
Strontium	86-1	198.70	198.36	202.79	199.95	1.23	ppb
Strontium	88-1	204.02	208.72	206.93	206.56	1.15	ppb
Sulfur	34-1	-1963.01	-2068.73	-2106.04	-2045.93		ppb
Terbium	159-1				109		%
Terbium	159-2				103		%
Thallium	203-1	0.41	0.48	0.47	0.46	8.17	ppb
Thallium	205-1	0.46	0.45	0.48	0.46	2.72	ppb
Tin	118-1	5.29	5.47	5.48	5.42	2.03	ppb
Titanium	47-1	1853.85	1817.63	1849.19	1840.22	1.07	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-20	Instrumnet Name :	P7
Client Sample ID :	MYDBD1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:11:19	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.91	1.84	1.90	1.88	1.87	ppb
Vanadium	51-2	151.21	152.73	154.39	152.78	1.04	ppb
Yttrium	89-1				114		%
Yttrium	89-2				109		%
Zinc	66-2	1144.97	1156.64	1167.29	1156.30	0.97	ppb
Zirconium	90-1	40.40	40.76	41.51	40.89	1.38	ppb
Zirconium	91-1	40.36	41.09	41.37	40.94	1.26	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-21	Instrumnet Name :	P7
Client Sample ID :	MYDBD2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:14:23	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	91546.93	91427.88	90759.77	91244.86	0.47	ppb
Antimony	121-1	13.00	13.25	13.30	13.18	1.24	ppb
Arsenic	75-2	569.27	560.55	581.97	570.60	1.89	ppb
Barium	135-1	893.80	905.06	902.25	900.37	0.65	ppb
Barium	137-1	970.82	970.52	976.78	972.71	0.36	ppb
Beryllium	9-1	5.77	5.42	5.94	5.71	4.58	ppb
Bismuth	209-1				123		%
Bismuth	209-2				116		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	29.27	30.06	31.10	30.14	3.05	ppb
Cadmium	106-1	34.22	33.96	32.26	33.48	3.19	ppb
Cadmium	111-1	27.86	27.86	28.00	27.90	0.28	ppb
Calcium	43-1	17638.72	17689.09	17780.04	17702.62	0.40	ppb
Calcium	44-1	17156.29	17103.44	17218.44	17159.39	0.34	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	245.45	242.74	242.13	243.44	0.72	ppb
Cobalt	59-2	73.21	73.59	73.36	73.38	0.26	ppb
Copper	63-2	6264.11	6275.90	6231.31	6257.10	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				108		%
Holmium	165-2				103		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	56-2	80122.45	79763.20	79773.71	79886.45	0.26	ppb
Iron	57-2	78475.02	78604.88	78256.50	78445.47	0.22	ppb
Iron	54-2	79814.52	79921.85	79256.06	79664.14	0.45	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-21	Instrumnet Name :	P7
Client Sample ID :	MYDBD2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:14:23	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1037.03	1036.34	1060.02	1044.46	1.29	ppb
Lead	207-1	1034.06	1067.26	1073.73	1058.35	2.01	ppb
Lead	208-1	1029.40	1048.43	1048.77	1042.20	1.06	ppb
Lithium	6-1				90		%
Magnesium	24-2	20564.06	20295.69	19918.74	20259.50	1.60	ppb
Manganese	55-2	2350.63	2323.92	2333.68	2336.08	0.58	ppb
Molybdenum	94-1	93.83	95.21	94.45	94.50	0.73	ppb
Molybdenum	95-1	3.66	3.74	3.64	3.68	1.41	ppb
Molybdenum	96-1	13.42	13.29	13.53	13.41	0.89	ppb
Molybdenum	97-1	3.76	3.70	3.59	3.68	2.25	ppb
Molybdenum	98-1	3.64	3.62	3.59	3.62	0.70	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	226.37	223.91	221.66	223.98	1.05	ppb
Phosphorus	31-2	4665.26	4716.16	4537.17	4639.53	1.99	ppb
Potassium	39-2	6844.80	6633.98	6666.65	6715.15	1.69	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				108		%
Scandium	45-2				108		%
Selenium	82-1	7.54	7.52	7.96	7.67	3.31	ppb
Selenium	77-2	33.21	33.57	38.26	35.02	8.05	ppb
Selenium	78-2	9.99	11.79	10.28	10.69	9.06	ppb
Silicon	28-1	2304.68	2241.84	2273.38	2273.30	1.38	ppb
Silver	107-1	14.41	14.63	14.67	14.57	0.97	ppb
Silver	109-1	14.44	14.78	14.58	14.60	1.16	ppb
Sodium	23-2	830.63	840.75	833.22	834.87	0.63	ppb
Strontium	86-1	245.41	243.98	245.67	245.02	0.37	ppb
Strontium	88-1	254.97	252.12	252.67	253.25	0.60	ppb
Sulfur	34-1	-1444.44	-1740.03	-1818.55	-1667.67		ppb
Terbium	159-1				107		%
Terbium	159-2				103		%
Thallium	203-1	0.52	0.51	0.54	0.52	2.64	ppb
Thallium	205-1	0.53	0.53	0.55	0.54	3.03	ppb
Tin	118-1	33.79	34.14	34.55	34.16	1.11	ppb
Titanium	47-1	2153.21	2163.90	2142.64	2153.25	0.49	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-21	Instrumnet Name :	P7
Client Sample ID :	MYDBD2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:14:23	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.62	1.64	1.65	1.64	0.91	ppb
Vanadium	51-2	131.57	132.50	130.21	131.43	0.87	ppb
Yttrium	89-1				113		%
Yttrium	89-2				109		%
Zinc	66-2	3175.48	3208.85	3119.99	3168.11	1.42	ppb
Zirconium	90-1	55.11	55.16	55.85	55.38	0.75	ppb
Zirconium	91-1	55.26	55.10	55.12	55.16	0.16	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-22	Instrumnet Name :	P7
Client Sample ID :	MYDBD3	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:17:25	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	108776.67	108903.07	126125.16	114601.63	8.71	ppb
Antimony	121-1	12.60	12.72	12.94	12.76	1.36	ppb
Arsenic	75-2	242.19	240.69	280.54	254.47	8.88	ppb
Barium	135-1	1143.26	1187.43	1215.79	1182.16	3.09	ppb
Barium	137-1	1171.97	1192.21	1194.82	1186.33	1.05	ppb
Beryllium	9-1	7.71	8.01	7.77	7.83	2.01	ppb
Bismuth	209-1				121		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	26.62	28.56	26.04	27.07	4.87	ppb
Cadmium	106-1	29.52	30.59	28.92	29.68	2.85	ppb
Cadmium	111-1	24.55	24.34	24.46	24.45	0.43	ppb
Calcium	43-1	24025.31	24897.92	24702.04	24541.76	1.87	ppb
Calcium	44-1	23129.13	24226.28	23654.76	23670.05	2.32	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	276.66	277.46	325.67	293.26	9.57	ppb
Cobalt	59-2	48.27	48.23	56.96	51.15	9.83	ppb
Copper	63-2	3701.14	3654.33	4339.01	3898.16	9.81	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				99		%
Indium	115-1				106		%
Indium	115-2				98		%
Iron	56-2	85052.39	83788.27	100045.87	89628.84	10.09	ppb
Iron	57-2	82450.36	83408.09	98639.90	88166.12	10.30	ppb
Iron	54-2	85827.67	84505.15	99148.95	89827.25	9.02	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-22	Instrumnet Name :	P7
Client Sample ID :	MYDBD3	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:17:25	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	838.19	847.07	872.55	852.60	2.09	ppb
Lead	207-1	862.92	861.74	871.62	865.43	0.62	ppb
Lead	208-1	845.26	842.68	860.42	849.45	1.13	ppb
Lithium	6-1				88		%
Magnesium	24-2	24682.96	24769.24	28808.83	26087.01	9.04	ppb
Manganese	55-2	1869.40	1844.74	2183.30	1965.81	9.60	ppb
Molybdenum	94-1	88.96	92.56	91.46	90.99	2.03	ppb
Molybdenum	95-1	3.61	3.87	3.78	3.75	3.58	ppb
Molybdenum	96-1	12.99	13.73	13.39	13.37	2.76	ppb
Molybdenum	97-1	3.79	3.83	3.61	3.75	3.15	ppb
Molybdenum	98-1	3.68	3.76	3.79	3.75	1.46	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	274.38	272.71	322.24	289.78	9.71	ppb
Phosphorus	31-2	5265.62	5222.75	6256.29	5581.55	10.48	ppb
Potassium	39-2	11439.57	11499.29	13324.44	12087.77	8.86	ppb
Rhodium	103-1				102		%
Rhodium	103-2				98		%
Scandium	45-1				109		%
Scandium	45-2				107		%
Selenium	82-1	5.53	5.53	4.60	5.22	10.22	ppb
Selenium	77-2	31.46	32.14	28.00	30.53	7.27	ppb
Selenium	78-2	8.62	9.80	9.01	9.14	6.57	ppb
Silicon	28-1	2473.98	2546.13	2457.57	2492.56	1.89	ppb
Silver	107-1	6.85	6.73	6.92	6.83	1.47	ppb
Silver	109-1	6.70	6.84	6.74	6.76	1.06	ppb
Sodium	23-2	479.77	475.93	572.84	509.51	10.77	ppb
Strontium	86-1	269.00	280.83	275.46	275.10	2.15	ppb
Strontium	88-1	282.16	290.12	292.98	288.42	1.94	ppb
Sulfur	34-1	-924.12	-855.87	-1051.84	-943.94		ppb
Terbium	159-1				110		%
Terbium	159-2				101		%
Thallium	203-1	0.32	0.33	0.29	0.31	5.91	ppb
Thallium	205-1	0.33	0.33	0.35	0.34	4.17	ppb
Tin	118-1	48.99	49.67	49.67	49.44	0.80	ppb
Titanium	47-1	2158.41	2191.18	2176.65	2175.42	0.75	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-22	Instrumnet Name :	P7
Client Sample ID :	MYDBD3	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:17:25	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.32	1.32	1.34	1.33	0.73	ppb
Vanadium	51-2	132.01	131.29	152.59	138.63	8.72	ppb
Yttrium	89-1				113		%
Yttrium	89-2				106		%
Zinc	66-2	3680.69	3729.92	4363.38	3924.67	9.70	ppb
Zirconium	90-1	51.85	53.88	53.07	52.93	1.93	ppb
Zirconium	91-1	51.80	53.61	53.13	52.85	1.78	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164281BL	Instrumnet Name :	P7
Client Sample ID :	PBS281	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:20:24	DataFile Name :	078CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7.23	4.33	4.65	5.40	29.37	ppb
Antimony	121-1	0.01	0.00	0.01	0.01	49.09	ppb
Arsenic	75-2	0.07	0.07	0.02	0.05	60.42	ppb
Barium	135-1	0.18	0.07	0.05	0.10	69.08	ppb
Barium	137-1	0.21	0.15	0.03	0.13	68.83	ppb
Beryllium	9-1	-0.02	-0.01	-0.02	-0.02		ppb
Bismuth	209-1				102		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.00	0.03	0.07	0.03	103.30	ppb
Cadmium	106-1	0.69	-0.96	-0.24	-0.17		ppb
Cadmium	111-1	0.07	-0.07	0.00	0.00		ppb
Calcium	43-1	3.74	1.46	0.21	1.80	99.02	ppb
Calcium	44-1	5.00	3.96	1.49	3.48	51.77	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	0.03	0.01	0.02	58.66	ppb
Cobalt	59-2	-0.01	0.00	-0.01	-0.01		ppb
Copper	63-2	0.60	0.59	0.52	0.57	8.26	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				98		%
Indium	115-1				101		%
Indium	115-2				97		%
Iron	56-2	10.42	5.99	4.88	7.10	41.32	ppb
Iron	57-2	10.06	4.98	5.34	6.79	41.72	ppb
Iron	54-2	10.27	4.65	4.07	6.33	54.06	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164281BL	Instrumnet Name :	P7
Client Sample ID :	PBS281	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:20:24	DataFile Name :	078CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.14	0.14	0.06	0.11	41.82	ppb
Lead	207-1	0.13	0.09	0.06	0.09	36.73	ppb
Lead	208-1	0.12	0.10	0.07	0.10	26.18	ppb
Lithium	6-1				87		%
Magnesium	24-2	3.14	1.28	1.27	1.89	56.79	ppb
Manganese	55-2	0.37	0.26	0.20	0.27	31.12	ppb
Molybdenum	94-1	0.03	0.04	-0.01	0.02	165.92	ppb
Molybdenum	95-1	0.00	0.00	-0.01	0.00		ppb
Molybdenum	96-1	0.01	0.01	-0.02	0.00		ppb
Molybdenum	97-1	0.00	-0.01	-0.03	-0.01		ppb
Molybdenum	98-1	0.01	0.01	-0.02	0.00	734.18	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	0.01	0.03	0.02	33.76	ppb
Phosphorus	31-2	-15.72	-10.46	-14.42	-13.53		ppb
Potassium	39-2	7.93	28.73	11.09	15.91	70.42	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				96		%
Scandium	45-2				94		%
Selenium	82-1	0.33	-0.78	-0.10	-0.18		ppb
Selenium	77-2	-0.24	-0.24	0.13	-0.12		ppb
Selenium	78-2	-0.63	2.66	0.14	0.72	238.67	ppb
Silicon	28-1	-1.12	-1.82	-1.59	-1.51		ppb
Silver	107-1	0.02	0.01	0.01	0.01	32.21	ppb
Silver	109-1	0.02	0.02	0.01	0.01	34.54	ppb
Sodium	23-2	52.13	60.02	48.76	53.64	10.78	ppb
Strontium	86-1	0.05	0.00	-0.03	0.01	674.79	ppb
Strontium	88-1	0.03	0.02	-0.03	0.01	498.78	ppb
Sulfur	34-1	-1739.45	-1734.24	-1698.26	-1723.98		ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	-0.01	-0.01	-0.01	-0.01		ppb
Thallium	205-1	0.00	0.00	0.00	0.00		ppb
Tin	118-1	0.05	0.03	0.05	0.04	26.93	ppb
Titanium	47-1	0.33	0.27	0.15	0.25	36.93	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164281BL	Instrumnet Name :	P7
Client Sample ID :	PBS281	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:20:24	DataFile Name :	078CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	-0.01	0.00	-0.01	-0.01		ppb
Vanadium	51-2	0.01	0.00	0.01	0.01	56.31	ppb
Yttrium	89-1				99		%
Yttrium	89-2				96		%
Zinc	66-2	0.13	0.14	0.04	0.10	49.10	ppb
Zirconium	90-1	0.01	0.00	0.01	0.01	39.72	ppb
Zirconium	91-1	0.03	0.02	0.02	0.02	33.53	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164281BS	Instrumnet Name :	P7
Client Sample ID :	LCS281	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:23:43	DataFile Name :	079LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	44.56	42.42	41.84	42.94	3.34	ppb
Antimony	121-1	3.61	3.81	3.86	3.76	3.47	ppb
Arsenic	75-2	2.13	2.09	1.98	2.07	3.91	ppb
Barium	135-1	17.44	18.05	18.05	17.85	1.96	ppb
Barium	137-1	17.57	17.94	18.20	17.90	1.78	ppb
Beryllium	9-1	2.01	2.20	1.99	2.07	5.48	ppb
Bismuth	209-1				105		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.08	3.04	2.41	2.51	19.51	ppb
Cadmium	106-1	2.59	1.95	2.70	2.41	16.96	ppb
Cadmium	111-1	2.45	2.46	2.53	2.48	1.80	ppb
Calcium	43-1	932.00	997.86	1005.61	978.49	4.13	ppb
Calcium	44-1	939.96	977.76	1012.30	976.67	3.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.88	4.62	4.55	4.68	3.68	ppb
Cobalt	59-2	2.25	2.12	2.07	2.14	4.23	ppb
Copper	63-2	4.78	4.64	4.28	4.57	5.68	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				103		%
Holmium	165-2				101		%
Indium	115-1				103		%
Indium	115-2				98		%
Iron	56-2	465.75	435.03	434.80	445.19	4.00	ppb
Iron	57-2	473.65	431.40	431.51	445.52	5.47	ppb
Iron	54-2	464.13	431.56	438.94	444.88	3.84	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164281BS	Instrumnet Name :	P7
Client Sample ID :	LCS281	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:23:43	DataFile Name :	079LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.78	1.86	1.85	1.83	2.61	ppb
Lead	207-1	1.76	1.90	1.81	1.82	3.82	ppb
Lead	208-1	1.77	1.87	1.81	1.82	2.86	ppb
Lithium	6-1				95		%
Magnesium	24-2	1126.73	1056.99	1062.36	1082.03	3.59	ppb
Manganese	55-2	2.40	2.21	2.38	2.33	4.51	ppb
Molybdenum	94-1	10.54	10.44	10.42	10.47	0.59	ppb
Molybdenum	95-1	8.50	8.81	8.80	8.70	2.05	ppb
Molybdenum	96-1	8.76	8.94	8.99	8.90	1.33	ppb
Molybdenum	97-1	8.51	8.69	8.98	8.73	2.68	ppb
Molybdenum	98-1	8.46	8.80	8.79	8.68	2.18	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.55	2.14	2.26	2.32	9.22	ppb
Phosphorus	31-2	-3.51	-12.06	-12.83	-9.47		ppb
Potassium	39-2	1111.16	1027.33	1036.93	1058.48	4.33	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				98		%
Scandium	45-2				95		%
Selenium	82-1	10.16	9.70	11.02	10.29	6.47	ppb
Selenium	77-2	6.94	10.90	11.17	9.67	24.50	ppb
Selenium	78-2	8.22	7.99	8.05	8.08	1.49	ppb
Silicon	28-1	2.72	3.79	4.91	3.81	28.73	ppb
Silver	107-1	1.75	1.76	1.89	1.80	4.23	ppb
Silver	109-1	1.78	1.77	1.90	1.81	3.98	ppb
Sodium	23-2	1113.02	1038.85	1055.92	1069.26	3.63	ppb
Strontium	86-1	1.83	2.00	1.90	1.91	4.42	ppb
Strontium	88-1	1.97	1.94	1.93	1.95	1.10	ppb
Sulfur	34-1	-1588.19	-1613.61	-1301.42	-1501.07		ppb
Terbium	159-1				104		%
Terbium	159-2				102		%
Thallium	203-1	1.64	1.73	1.62	1.66	3.24	ppb
Thallium	205-1	1.66	1.66	1.69	1.67	1.20	ppb
Tin	118-1	0.07	0.07	0.05	0.06	12.81	ppb
Titanium	47-1	9.10	9.11	9.43	9.21	2.01	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164281BS	Instrumnet Name :	P7
Client Sample ID :	LCS281	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:23:43	DataFile Name :	079LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.61	1.64	1.64	1.63	1.15	ppb
Vanadium	51-2	10.80	10.26	9.84	10.30	4.69	ppb
Yttrium	89-1				100		%
Yttrium	89-2				98		%
Zinc	66-2	10.72	10.46	11.15	10.78	3.26	ppb
Zirconium	90-1	1.90	1.95	1.98	1.95	2.02	ppb
Zirconium	91-1	1.85	2.01	2.09	1.98	6.19	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV032	Instrumnet Name :	P7
Client Sample ID :	CCV032	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:07:04	DataFile Name :	091CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47650.96	48100.73	48557.82	48103.17	0.94	ppb
Antimony	121-1	485.97	497.97	496.32	493.42	1.32	ppb
Arsenic	75-2	537.07	524.50	517.52	526.36	1.88	ppb
Barium	135-1	2473.43	2484.79	2458.27	2472.16	0.54	ppb
Barium	137-1	2469.61	2513.55	2503.93	2495.70	0.93	ppb
Beryllium	9-1	543.04	543.49	532.37	539.64	1.17	ppb
Bismuth	209-1				105		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	505.28	516.68	516.30	512.75	1.26	ppb
Cadmium	106-1	511.25	522.84	514.96	516.35	1.15	ppb
Cadmium	111-1	502.89	518.66	516.33	512.63	1.66	ppb
Calcium	43-1	250155.15	254690.90	249455.78	251433.94	1.13	ppb
Calcium	44-1	247362.03	248328.99	246095.49	247262.17	0.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	498.14	498.51	494.64	497.09	0.43	ppb
Cobalt	59-2	530.07	520.26	522.20	524.17	0.99	ppb
Copper	63-2	5114.65	5058.12	5101.44	5091.40	0.58	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				110		%
Holmium	165-2				107		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	56-2	125931.00	125313.53	124998.29	125414.28	0.38	ppb
Iron	57-2	124192.03	125021.74	123919.29	124377.69	0.46	ppb
Iron	54-2	126076.38	125137.13	126245.61	125819.71	0.47	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV032	Instrumnet Name :	P7
Client Sample ID :	CCV032	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:07:04	DataFile Name :	091CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2486.13	2530.20	2554.58	2523.64	1.37	ppb
Lead	207-1	2526.01	2514.32	2533.59	2524.64	0.38	ppb
Lead	208-1	2504.22	2523.22	2513.15	2513.53	0.38	ppb
Lithium	6-1				92		%
Magnesium	24-2	241514.73	237401.84	241329.85	240082.14	0.97	ppb
Manganese	55-2	4905.80	4896.49	4906.19	4902.83	0.11	ppb
Molybdenum	94-1	4950.49	5042.05	4941.78	4978.11	1.12	ppb
Molybdenum	95-1	4898.45	4948.16	4960.70	4935.77	0.67	ppb
Molybdenum	96-1	4936.46	5014.14	4956.55	4969.05	0.81	ppb
Molybdenum	97-1	4935.75	4982.83	4938.21	4952.26	0.54	ppb
Molybdenum	98-1	4938.38	4937.39	4949.02	4941.60	0.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	518.44	514.49	517.99	516.97	0.42	ppb
Phosphorus	31-2	9987.10	9836.69	10192.63	10005.47	1.79	ppb
Potassium	39-2	122239.48	120098.99	120421.56	120920.01	0.95	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				106		%
Scandium	45-2				106		%
Selenium	82-1	511.05	526.06	517.76	518.29	1.45	ppb
Selenium	77-2	522.92	513.10	526.78	520.93	1.35	ppb
Selenium	78-2	514.51	511.24	493.44	506.40	2.24	ppb
Silicon	28-1	2463.61	2509.77	2432.12	2468.50	1.58	ppb
Silver	107-1	505.84	506.27	502.79	504.97	0.38	ppb
Silver	109-1	509.74	512.86	514.86	512.49	0.50	ppb
Sodium	23-2	247701.43	244166.18	244842.92	245570.18	0.76	ppb
Strontium	86-1	12300.16	12551.10	12608.47	12486.58	1.31	ppb
Strontium	88-1	12184.75	12364.27	12237.55	12262.19	0.75	ppb
Sulfur	34-1	8558.38	8956.61	8466.16	8660.38	3.01	ppb
Terbium	159-1				110		%
Terbium	159-2				107		%
Thallium	203-1	510.80	505.52	499.72	505.35	1.10	ppb
Thallium	205-1	505.76	510.37	506.79	507.64	0.48	ppb
Tin	118-1	482.61	483.06	497.71	487.79	1.76	ppb
Titanium	47-1	4919.02	5047.08	5013.40	4993.16	1.33	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV032	Instrumnet Name :	P7
Client Sample ID :	CCV032	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:07:04	DataFile Name :	091CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	502.78	507.05	515.07	508.30	1.23	ppb
Vanadium	51-2	513.44	502.02	497.68	504.38	1.61	ppb
Yttrium	89-1				108		%
Yttrium	89-2				104		%
Zinc	66-2	5182.57	5111.68	5207.10	5167.12	0.96	ppb
Zirconium	90-1	499.71	504.01	510.01	504.58	1.02	ppb
Zirconium	91-1	484.30	491.13	488.78	488.07	0.71	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB032	Instrumnet Name :	P7
Client Sample ID :	CCB032	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:10:38	DataFile Name :	092CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11.19	11.50	10.89	11.19	2.71	ppb
Antimony	121-1	0.25	0.24	0.24	0.24	1.51	ppb
Arsenic	75-2	0.03	0.07	0.05	0.05	35.71	ppb
Barium	135-1	0.18	0.16	0.23	0.19	18.55	ppb
Barium	137-1	0.23	0.10	0.19	0.17	39.85	ppb
Beryllium	9-1	0.04	0.01	0.08	0.04	86.72	ppb
Bismuth	209-1				105		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.00	0.06	0.10	0.05	98.04	ppb
Cadmium	106-1	-0.34	-0.12	-0.84	-0.44		ppb
Cadmium	111-1	0.04	0.05	-0.01	0.03	131.77	ppb
Calcium	43-1	19.00	15.65	24.01	19.55	21.52	ppb
Calcium	44-1	17.56	13.29	17.32	16.06	14.96	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.07	0.04	-0.01	0.03	115.59	ppb
Cobalt	59-2	0.03	0.02	0.01	0.02	38.83	ppb
Copper	63-2	0.55	0.54	0.51	0.53	3.92	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				103		%
Indium	115-1				106		%
Indium	115-2				101		%
Iron	56-2	15.25	15.47	14.35	15.02	3.95	ppb
Iron	57-2	15.61	17.22	12.41	15.08	16.24	ppb
Iron	54-2	12.82	14.73	13.34	13.63	7.25	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB032	Instrumnet Name :	P7
Client Sample ID :	CCB032	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:10:38	DataFile Name :	092CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.27	0.18	0.28	0.24	22.03	ppb
Lead	207-1	0.27	0.18	0.23	0.23	18.79	ppb
Lead	208-1	0.26	0.19	0.25	0.23	16.68	ppb
Lithium	6-1				90		%
Magnesium	24-2	15.44	15.38	15.87	15.56	1.71	ppb
Manganese	55-2	0.55	0.54	0.51	0.54	3.86	ppb
Molybdenum	94-1	0.32	0.35	0.34	0.34	5.80	ppb
Molybdenum	95-1	0.30	0.25	0.29	0.28	10.09	ppb
Molybdenum	96-1	0.27	0.24	0.31	0.28	11.81	ppb
Molybdenum	97-1	0.32	0.25	0.26	0.28	13.74	ppb
Molybdenum	98-1	0.27	0.24	0.30	0.27	9.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.06	0.02	0.03	0.04	54.99	ppb
Phosphorus	31-2	-11.79	-14.55	-17.94	-14.76		ppb
Potassium	39-2	14.26	18.04	17.77	16.69	12.63	ppb
Rhodium	103-1				103		%
Rhodium	103-2				104		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	-0.30	-0.27	-0.45	-0.34		ppb
Selenium	77-2	0.11	-0.24	0.11	0.00		ppb
Selenium	78-2	0.29	-0.89	-1.68	-0.76		ppb
Silicon	28-1	-2.45	-3.05	-2.45	-2.65		ppb
Silver	107-1	0.05	0.05	0.05	0.05	3.86	ppb
Silver	109-1	0.04	0.05	0.04	0.04	9.20	ppb
Sodium	23-2	34.26	34.27	34.90	34.48	1.05	ppb
Strontium	86-1	0.57	0.50	0.55	0.54	6.36	ppb
Strontium	88-1	0.53	0.40	0.55	0.49	16.09	ppb
Sulfur	34-1	-1448.52	-1470.45	-1441.17	-1453.38		ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	0.09	0.07	0.08	0.08	11.55	ppb
Thallium	205-1	0.09	0.09	0.08	0.09	5.64	ppb
Tin	118-1	0.14	0.14	0.16	0.15	9.38	ppb
Titanium	47-1	0.37	0.26	0.41	0.35	21.95	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB032	Instrumnet Name :	P7
Client Sample ID :	CCB032	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:10:38	DataFile Name :	092CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	12.91	ppb
Vanadium	51-2	0.04	0.05	0.03	0.04	22.48	ppb
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	1.13	0.88	0.74	0.92	21.85	ppb
Zirconium	90-1	0.10	0.06	0.07	0.08	24.00	ppb
Zirconium	91-1	0.09	0.09	0.08	0.09	9.60	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-08	Instrumnet Name :	P7
Client Sample ID :	MYDBE1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:13:54	DataFile Name :	093SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	191829.91	191398.06	187946.53	190391.50	1.12	ppb
Antimony	121-1	46.62	46.86	47.42	46.96	0.87	ppb
Arsenic	75-2	455.20	454.42	452.50	454.04	0.31	ppb
Barium	135-1	766.08	758.16	767.51	763.92	0.66	ppb
Barium	137-1	837.81	838.06	848.15	841.34	0.70	ppb
Beryllium	9-1	15.67	17.27	16.23	16.39	4.95	ppb
Bismuth	209-1				144		%
Bismuth	209-2				135		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	37.87	36.78	37.21	37.29	1.47	ppb
Cadmium	106-1	37.95	40.51	37.72	38.73	3.99	ppb
Cadmium	111-1	33.59	33.74	34.62	33.98	1.64	ppb
Calcium	43-1	27609.51	27674.12	27773.46	27685.70	0.30	ppb
Calcium	44-1	26595.72	26975.03	26556.42	26709.06	0.87	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	520.48	519.57	512.12	517.39	0.89	ppb
Cobalt	59-2	53.17	52.51	52.67	52.78	0.65	ppb
Copper	63-2	9424.90	9253.28	9255.93	9311.37	1.06	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				112		%
Holmium	165-2				108		%
Indium	115-1				108		%
Indium	115-2				103		%
Iron	56-2	67675.61	66874.04	67580.95	67376.87	0.65	ppb
Iron	57-2	66777.97	66421.85	66547.55	66582.46	0.27	ppb
Iron	54-2	68843.98	67562.24	67159.75	67855.32	1.30	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-08	Instrumnet Name :	P7
Client Sample ID :	MYDBE1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:13:54	DataFile Name :	093SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1289.39	1307.22	1321.67	1306.09	1.24	ppb
Lead	207-1	1285.15	1296.57	1337.92	1306.55	2.13	ppb
Lead	208-1	1281.93	1296.88	1328.83	1302.54	1.84	ppb
Lithium	6-1				87		%
Magnesium	24-2	29201.01	29096.76	29053.70	29117.16	0.26	ppb
Manganese	55-2	1837.31	1822.23	1784.63	1814.72	1.50	ppb
Molybdenum	94-1	79.91	82.42	82.25	81.53	1.72	ppb
Molybdenum	95-1	10.69	11.04	10.86	10.86	1.61	ppb
Molybdenum	96-1	18.06	18.82	18.50	18.46	2.06	ppb
Molybdenum	97-1	10.83	11.10	10.87	10.93	1.29	ppb
Molybdenum	98-1	10.44	10.86	11.05	10.78	2.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	357.06	351.34	352.46	353.62	0.86	ppb
Phosphorus	31-2	3753.65	3656.79	3620.69	3677.04	1.87	ppb
Potassium	39-2	6286.20	6209.98	6242.93	6246.37	0.61	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				112		%
Scandium	45-2				110		%
Selenium	82-1	13.43	13.68	14.31	13.81	3.28	ppb
Selenium	77-2	23.04	29.33	28.06	26.81	12.41	ppb
Selenium	78-2	15.60	14.25	13.79	14.54	6.46	ppb
Silicon	28-1	2964.96	3001.65	2986.46	2984.36	0.62	ppb
Silver	107-1	17.96	18.25	18.12	18.11	0.79	ppb
Silver	109-1	17.90	18.13	18.22	18.08	0.90	ppb
Sodium	23-2	717.45	720.50	714.35	717.44	0.43	ppb
Strontium	86-1	182.30	189.73	188.92	186.98	2.18	ppb
Strontium	88-1	194.14	199.75	194.84	196.24	1.56	ppb
Sulfur	34-1	269.90	-232.91	-498.50	-153.83		ppb
Terbium	159-1				111		%
Terbium	159-2				107		%
Thallium	203-1	0.45	0.46	0.47	0.46	2.44	ppb
Thallium	205-1	0.44	0.46	0.48	0.46	3.80	ppb
Tin	118-1	100.33	101.06	101.62	101.00	0.64	ppb
Titanium	47-1	1967.21	2026.08	1996.23	1996.51	1.47	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-08	Instrumnet Name :	P7
Client Sample ID :	MYDBE1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:13:54	DataFile Name :	093SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.63	1.67	1.65	1.65	1.06	ppb
Vanadium	51-2	122.78	122.16	121.59	122.18	0.49	ppb
Yttrium	89-1				114		%
Yttrium	89-2				110		%
Zinc	66-2	8265.94	8382.46	8166.99	8271.80	1.30	ppb
Zirconium	90-1	42.54	44.29	43.91	43.58	2.11	ppb
Zirconium	91-1	42.31	43.99	43.96	43.42	2.22	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-09	Instrumnet Name :	P7
Client Sample ID :	MYDBE2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:16:56	DataFile Name :	094SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	86833.55	87899.85	87849.20	87527.53	0.69	ppb
Antimony	121-1	4.28	4.32	4.44	4.35	1.92	ppb
Arsenic	75-2	216.26	214.02	218.06	216.11	0.93	ppb
Barium	135-1	1514.79	1531.99	1566.38	1537.72	1.71	ppb
Barium	137-1	1495.50	1522.38	1540.11	1519.33	1.48	ppb
Beryllium	9-1	5.29	5.19	4.98	5.15	3.12	ppb
Bismuth	209-1				114		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	17.56	18.22	17.89	17.89	1.83	ppb
Cadmium	106-1	20.23	21.25	21.38	20.95	3.01	ppb
Cadmium	111-1	14.17	14.59	14.25	14.33	1.54	ppb
Calcium	43-1	22182.49	22238.45	22657.81	22359.58	1.16	ppb
Calcium	44-1	21479.18	21912.34	21638.27	21676.60	1.01	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	235.73	234.74	236.20	235.56	0.32	ppb
Cobalt	59-2	59.27	59.40	59.86	59.51	0.52	ppb
Copper	63-2	2119.98	2140.40	2159.08	2139.82	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				109		%
Holmium	165-2				107		%
Indium	115-1				106		%
Indium	115-2				104		%
Iron	56-2	91494.64	92239.20	90465.77	91399.87	0.97	ppb
Iron	57-2	88991.90	89266.80	89367.53	89208.74	0.22	ppb
Iron	54-2	92386.25	90208.88	91727.82	91440.98	1.22	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-09	Instrumnet Name :	P7
Client Sample ID :	MYDBE2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:16:56	DataFile Name :	094SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	472.22	495.54	493.31	487.02	2.64	ppb
Lead	207-1	408.40	426.38	419.49	418.09	2.17	ppb
Lead	208-1	457.20	475.45	475.24	469.30	2.23	ppb
Lithium	6-1				85		%
Magnesium	24-2	27751.88	28010.21	28050.86	27937.65	0.58	ppb
Manganese	55-2	1962.59	1973.40	1960.80	1965.60	0.35	ppb
Molybdenum	94-1	107.87	109.38	108.79	108.68	0.70	ppb
Molybdenum	95-1	1.71	1.73	1.83	1.76	3.76	ppb
Molybdenum	96-1	13.27	13.35	13.47	13.37	0.76	ppb
Molybdenum	97-1	1.68	1.69	1.69	1.69	0.34	ppb
Molybdenum	98-1	1.69	1.64	1.66	1.66	1.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	299.37	298.27	298.66	298.77	0.19	ppb
Phosphorus	31-2	5563.44	5534.74	5406.07	5501.42	1.52	ppb
Potassium	39-2	7579.74	7592.54	7650.45	7607.58	0.50	ppb
Rhodium	103-1				104		%
Rhodium	103-2				105		%
Scandium	45-1				115		%
Scandium	45-2				115		%
Selenium	82-1	3.49	4.36	3.24	3.70	15.92	ppb
Selenium	77-2	36.02	45.62	41.20	40.95	11.73	ppb
Selenium	78-2	9.73	9.01	9.66	9.47	4.16	ppb
Silicon	28-1	2288.62	2337.90	2305.87	2310.80	1.08	ppb
Silver	107-1	6.02	6.10	6.15	6.09	1.05	ppb
Silver	109-1	6.05	6.16	6.10	6.10	0.85	ppb
Sodium	23-2	728.11	728.28	734.18	730.19	0.47	ppb
Strontium	86-1	327.93	336.35	334.26	332.85	1.32	ppb
Strontium	88-1	341.34	350.12	345.27	345.58	1.27	ppb
Sulfur	34-1	-3274.17	-3311.73	-3349.72	-3311.87		ppb
Terbium	159-1				109		%
Terbium	159-2				107		%
Thallium	203-1	0.47	0.46	0.49	0.48	3.64	ppb
Thallium	205-1	0.47	0.51	0.53	0.50	5.96	ppb
Tin	118-1	17.02	16.89	17.30	17.07	1.22	ppb
Titanium	47-1	1970.39	2023.46	2022.72	2005.52	1.52	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-09	Instrumnet Name :	P7
Client Sample ID :	MYDBE2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:16:56	DataFile Name :	094SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.11	2.20	2.25	2.19	3.36	ppb
Vanadium	51-2	183.89	184.03	183.29	183.74	0.22	ppb
Yttrium	89-1				118		%
Yttrium	89-2				115		%
Zinc	66-2	1464.88	1448.15	1458.60	1457.21	0.58	ppb
Zirconium	90-1	63.96	64.54	66.13	64.88	1.73	ppb
Zirconium	91-1	63.90	64.77	65.55	64.74	1.27	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-10	Instrumnet Name :	P7
Client Sample ID :	MYDBE3	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:19:56	DataFile Name :	095SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	95465.42	97043.82	95738.50	96082.58	0.88	ppb
Antimony	121-1	8.35	7.33	7.34	7.67	7.67	ppb
Arsenic	75-2	354.44	351.54	356.72	354.23	0.73	ppb
Barium	135-1	1647.50	1440.05	1420.99	1502.85	8.36	ppb
Barium	137-1	1669.22	1480.75	1447.30	1532.42	7.81	ppb
Beryllium	9-1	6.56	5.35	5.74	5.88	10.50	ppb
Bismuth	209-1				111		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	32.81	30.34	27.73	30.29	8.39	ppb
Cadmium	106-1	38.13	31.96	30.79	33.63	11.73	ppb
Cadmium	111-1	29.58	26.94	26.36	27.63	6.21	ppb
Calcium	43-1	37014.64	32451.04	33196.09	34220.59	7.15	ppb
Calcium	44-1	35374.20	31338.24	31491.53	32734.66	6.99	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	252.60	254.52	252.64	253.25	0.43	ppb
Cobalt	59-2	91.32	92.90	91.43	91.88	0.96	ppb
Copper	63-2	3749.38	3786.35	3714.71	3750.14	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				106		%
Holmium	165-2				106		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	115367.25	119113.17	115986.11	116822.18	1.72	ppb
Iron	57-2	113340.65	115694.60	113850.91	114295.38	1.08	ppb
Iron	54-2	117632.90	116881.52	115297.76	116604.06	1.02	ppb
Krypton	83-1						cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-10	Instrumnet Name :	P7
Client Sample ID :	MYDBE3	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:19:56	DataFile Name :	095SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	834.35	723.11	734.31	763.92	8.02	ppb
Lead	207-1	825.92	720.01	743.76	763.23	7.28	ppb
Lead	208-1	823.94	718.28	736.35	759.52	7.44	ppb
Lithium	6-1				78		%
Magnesium	24-2	42459.31	43292.29	43030.59	42927.39	0.99	ppb
Manganese	55-2	3141.08	3172.88	3117.78	3143.92	0.88	ppb
Molybdenum	94-1	123.01	109.60	112.48	115.03	6.14	ppb
Molybdenum	95-1	2.53	2.33	2.35	2.40	4.66	ppb
Molybdenum	96-1	15.83	14.16	14.54	14.84	5.89	ppb
Molybdenum	97-1	2.61	2.28	2.32	2.40	7.54	ppb
Molybdenum	98-1	2.61	2.20	2.29	2.37	9.16	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	407.48	412.25	409.97	409.90	0.58	ppb
Phosphorus	31-2	8925.62	9022.07	8942.77	8963.49	0.57	ppb
Potassium	39-2	9172.77	9164.72	9033.57	9123.69	0.86	ppb
Rhodium	103-1				100		%
Rhodium	103-2				104		%
Scandium	45-1				111		%
Scandium	45-2				116		%
Selenium	82-1	5.78	4.48	5.28	5.18	12.69	ppb
Selenium	77-2	57.12	47.45	58.34	54.31	10.99	ppb
Selenium	78-2	10.17	12.56	11.31	11.35	10.52	ppb
Silicon	28-1	1821.37	1672.59	1671.74	1721.90	5.00	ppb
Silver	107-1	8.38	7.52	7.47	7.79	6.56	ppb
Silver	109-1	8.31	7.40	7.31	7.67	7.24	ppb
Sodium	23-2	2589.11	2582.14	2722.54	2631.26	3.01	ppb
Strontium	86-1	740.89	652.42	676.50	689.94	6.63	ppb
Strontium	88-1	746.60	643.87	673.50	687.99	7.69	ppb
Sulfur	34-1	-2309.76	-2999.87	-2970.23	-2759.95		ppb
Terbium	159-1				106		%
Terbium	159-2				107		%
Thallium	203-1	0.70	0.58	0.57	0.62	11.94	ppb
Thallium	205-1	0.67	0.57	0.62	0.62	7.92	ppb
Tin	118-1	16.99	15.07	14.95	15.67	7.30	ppb
Titanium	47-1	2624.37	2305.88	2347.65	2425.97	7.13	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-10	Instrumnet Name :	P7
Client Sample ID :	MYDBE3	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:19:56	DataFile Name :	095SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.54	3.09	3.17	3.27	7.26	ppb
Vanadium	51-2	214.85	220.00	215.13	216.66	1.34	ppb
Yttrium	89-1				115		%
Yttrium	89-2				118		%
Zinc	66-2	2031.48	2056.61	2042.44	2043.51	0.62	ppb
Zirconium	90-1	72.81	65.54	66.53	68.29	5.78	ppb
Zirconium	91-1	73.21	65.44	67.05	68.57	5.98	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-11	Instrumnet Name :	P7
Client Sample ID :	MYDBE4	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:22:57	DataFile Name :	096SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	125758.61	124639.34	125342.22	125246.73	0.45	ppb
Antimony	121-1	22.04	22.22	22.40	22.22	0.81	ppb
Arsenic	75-2	500.68	498.43	502.12	500.41	0.37	ppb
Barium	135-1	893.19	885.34	896.48	891.67	0.64	ppb
Barium	137-1	964.35	976.50	968.16	969.67	0.64	ppb
Beryllium	9-1	9.63	8.85	9.28	9.25	4.22	ppb
Bismuth	209-1				131		%
Bismuth	209-2				126		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	28.24	29.34	31.44	29.67	5.48	ppb
Cadmium	106-1	33.47	32.23	31.86	32.52	2.59	ppb
Cadmium	111-1	28.87	28.39	28.53	28.59	0.87	ppb
Calcium	43-1	16872.66	16786.60	17031.34	16896.87	0.73	ppb
Calcium	44-1	16297.51	16071.18	16690.99	16353.23	1.92	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	347.38	344.17	345.77	345.77	0.47	ppb
Cobalt	59-2	50.79	49.96	50.74	50.50	0.92	ppb
Copper	63-2	6344.65	6219.44	6322.97	6295.69	1.06	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				111		%
Holmium	165-2				107		%
Indium	115-1				108		%
Indium	115-2				103		%
Iron	56-2	72430.82	70065.34	71013.47	71169.88	1.67	ppb
Iron	57-2	71357.93	69532.30	69444.99	70111.74	1.54	ppb
Iron	54-2	71970.47	71011.61	71821.17	71601.08	0.72	ppb
Krypton	83-1						cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-11	Instrumnet Name :	P7
Client Sample ID :	MYDBE4	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:22:57	DataFile Name :	096SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1251.81	1278.07	1285.64	1271.84	1.40	ppb
Lead	207-1	1248.55	1258.60	1289.21	1265.45	1.67	ppb
Lead	208-1	1237.33	1249.61	1265.36	1250.77	1.12	ppb
Lithium	6-1				84		%
Magnesium	24-2	20792.45	20775.32	20570.70	20712.83	0.60	ppb
Manganese	55-2	1775.77	1737.34	1743.98	1752.36	1.17	ppb
Molybdenum	94-1	72.18	74.45	74.48	73.70	1.79	ppb
Molybdenum	95-1	6.07	6.25	6.40	6.24	2.64	ppb
Molybdenum	96-1	13.29	13.68	13.96	13.64	2.45	ppb
Molybdenum	97-1	6.10	6.10	6.26	6.15	1.50	ppb
Molybdenum	98-1	6.17	6.15	6.28	6.20	1.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	276.07	270.28	273.14	273.17	1.06	ppb
Phosphorus	31-2	5077.49	5028.09	5099.48	5068.35	0.72	ppb
Potassium	39-2	7094.10	6945.95	6979.90	7006.65	1.11	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				110		%
Scandium	45-2				110		%
Selenium	82-1	9.24	8.51	9.83	9.19	7.21	ppb
Selenium	77-2	29.55	30.82	29.45	29.94	2.55	ppb
Selenium	78-2	11.93	11.97	12.30	12.07	1.70	ppb
Silicon	28-1	2756.71	2683.65	2807.38	2749.25	2.26	ppb
Silver	107-1	13.43	13.32	13.65	13.47	1.25	ppb
Silver	109-1	13.45	13.35	13.71	13.50	1.38	ppb
Sodium	23-2	559.17	559.47	563.87	560.84	0.47	ppb
Strontium	86-1	191.61	196.15	197.28	195.02	1.54	ppb
Strontium	88-1	200.66	203.37	207.12	203.72	1.59	ppb
Sulfur	34-1	-1558.51	-1866.35	-1638.65	-1687.84		ppb
Terbium	159-1				111		%
Terbium	159-2				107		%
Thallium	203-1	0.42	0.45	0.44	0.44	3.61	ppb
Thallium	205-1	0.44	0.46	0.47	0.46	3.22	ppb
Tin	118-1	70.40	69.28	70.28	69.98	0.88	ppb
Titanium	47-1	2055.28	2057.92	2112.97	2075.39	1.57	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-11	Instrumnet Name :	P7
Client Sample ID :	MYDBE4	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:22:57	DataFile Name :	096SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.43	1.46	1.47	1.46	1.39	ppb
Vanadium	51-2	116.50	114.56	115.33	115.46	0.85	ppb
Yttrium	89-1				114		%
Yttrium	89-2				111		%
Zinc	66-2	4610.05	4517.48	4583.42	4570.32	1.04	ppb
Zirconium	90-1	40.06	41.12	41.54	40.91	1.88	ppb
Zirconium	91-1	40.65	41.71	41.54	41.30	1.38	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-12	Instrumnet Name :	P7
Client Sample ID :	MYDBE5	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:25:57	DataFile Name :	097SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	119274.26	120377.50	120695.00	120115.59	0.62	ppb
Antimony	121-1	26.85	26.80	27.37	27.01	1.17	ppb
Arsenic	75-2	745.48	756.05	743.51	748.35	0.90	ppb
Barium	135-1	2125.79	2187.11	2164.10	2159.00	1.43	ppb
Barium	137-1	2120.33	2146.80	2165.05	2144.06	1.05	ppb
Beryllium	9-1	9.33	8.81	9.44	9.19	3.63	ppb
Bismuth	209-1				131		%
Bismuth	209-2				125		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	37.34	35.16	35.74	36.08	3.13	ppb
Cadmium	106-1	36.47	36.38	36.47	36.44	0.14	ppb
Cadmium	111-1	33.42	34.28	34.35	34.02	1.51	ppb
Calcium	43-1	22477.19	22479.55	22772.66	22576.47	0.75	ppb
Calcium	44-1	21810.56	21947.66	22048.94	21935.72	0.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	311.29	310.46	310.85	310.87	0.14	ppb
Cobalt	59-2	68.75	68.07	68.16	68.33	0.54	ppb
Copper	63-2	9218.38	9358.72	9109.10	9228.73	1.36	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				110		%
Holmium	165-2				106		%
Indium	115-1				106		%
Indium	115-2				100		%
Iron	56-2	243828.15	242144.23	237977.46	241316.62	1.25	ppb
Iron	57-2	235079.51	240063.45	238691.21	237944.72	1.08	ppb
Iron	54-2	239685.80	240204.84	241749.98	240546.87	0.45	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-12	Instrumnet Name :	P7
Client Sample ID :	MYDBE5	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:25:57	DataFile Name :	097SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2281.96	2340.92	2317.37	2313.42	1.28	ppb
Lead	207-1	2327.80	2336.32	2334.44	2332.85	0.19	ppb
Lead	208-1	2299.53	2340.61	2318.57	2319.57	0.89	ppb
Lithium	6-1				80		%
Magnesium	24-2	23886.71	23956.66	23981.34	23941.57	0.21	ppb
Manganese	55-2	2454.44	2457.67	2464.83	2458.98	0.22	ppb
Molybdenum	94-1	59.02	60.30	60.03	59.78	1.13	ppb
Molybdenum	95-1	8.29	8.39	8.42	8.37	0.79	ppb
Molybdenum	96-1	14.92	15.23	15.21	15.12	1.16	ppb
Molybdenum	97-1	8.14	8.52	8.52	8.39	2.61	ppb
Molybdenum	98-1	8.32	8.24	8.09	8.22	1.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	253.99	253.55	250.98	252.84	0.64	ppb
Phosphorus	31-2	4528.08	4598.90	4555.17	4560.71	0.78	ppb
Potassium	39-2	12370.19	12333.99	12116.36	12273.51	1.12	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				111		%
Scandium	45-2				111		%
Selenium	82-1	20.33	20.21	20.80	20.45	1.51	ppb
Selenium	77-2	44.13	49.69	39.77	44.53	11.17	ppb
Selenium	78-2	24.02	25.94	25.77	25.24	4.20	ppb
Silicon	28-1	2599.87	2637.29	2590.66	2609.27	0.95	ppb
Silver	107-1	22.83	22.95	23.47	23.08	1.49	ppb
Silver	109-1	22.90	23.16	23.28	23.11	0.85	ppb
Sodium	23-2	791.73	799.98	787.16	792.95	0.82	ppb
Strontium	86-1	251.79	252.33	253.40	252.51	0.32	ppb
Strontium	88-1	261.57	266.76	265.57	264.63	1.03	ppb
Sulfur	34-1	899.04	914.42	942.89	918.78	2.42	ppb
Terbium	159-1				110		%
Terbium	159-2				105		%
Thallium	203-1	0.67	0.66	0.66	0.66	1.08	ppb
Thallium	205-1	0.64	0.68	0.66	0.66	3.29	ppb
Tin	118-1	511.46	509.55	521.49	514.17	1.25	ppb
Titanium	47-1	1906.66	1930.70	1904.57	1913.98	0.76	ppb

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-12	Instrumnet Name :	P7
Client Sample ID :	MYDBE5	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:25:57	DataFile Name :	097SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.58	1.63	1.63	1.61	1.97	ppb
Vanadium	51-2	140.43	140.79	138.02	139.75	1.08	ppb
Yttrium	89-1				114		%
Yttrium	89-2				109		%
Zinc	66-2	7716.76	7811.31	7753.06	7760.38	0.61	ppb
Zirconium	90-1	31.12	31.83	32.05	31.67	1.54	ppb
Zirconium	91-1	31.78	32.12	31.84	31.91	0.56	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13	Instrumnet Name :	P7
Client Sample ID :	MYDBE6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:28:58	DataFile Name :	098SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	95030.57	95944.50	96322.83	95765.96	0.69	ppb
Antimony	121-1	11.87	11.98	12.38	12.08	2.21	ppb
Arsenic	75-2	401.52	410.93	404.47	405.64	1.19	ppb
Barium	135-1	1715.99	1750.11	1769.47	1745.19	1.55	ppb
Barium	137-1	1679.31	1738.18	1771.77	1729.75	2.71	ppb
Beryllium	9-1	6.28	6.52	6.42	6.41	1.85	ppb
Bismuth	209-1				120		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	26.74	30.06	27.58	28.13	6.15	ppb
Cadmium	106-1	30.67	30.73	31.08	30.83	0.73	ppb
Cadmium	111-1	25.88	26.25	26.65	26.26	1.47	ppb
Calcium	43-1	29475.46	30447.84	29858.47	29927.26	1.64	ppb
Calcium	44-1	28495.55	29244.09	28730.85	28823.49	1.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	256.26	259.21	260.34	258.60	0.82	ppb
Cobalt	59-2	77.33	78.07	79.11	78.17	1.14	ppb
Copper	63-2	4435.33	4514.72	4489.24	4479.76	0.90	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				110		%
Holmium	165-2				105		%
Indium	115-1				107		%
Indium	115-2				101		%
Iron	56-2	100794.81	101035.84	102828.41	101553.02	1.09	ppb
Iron	57-2	97663.14	100578.15	102466.68	100235.99	2.41	ppb
Iron	54-2	101201.83	100810.32	102229.79	101413.98	0.72	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13	Instrumnet Name :	P7
Client Sample ID :	MYDBE6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:28:58	DataFile Name :	098SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	937.87	923.47	945.84	935.73	1.21	ppb
Lead	207-1	955.38	940.62	952.43	949.48	0.82	ppb
Lead	208-1	937.83	932.36	943.94	938.04	0.62	ppb
Lithium	6-1				78		%
Magnesium	24-2	30013.70	30206.87	30041.08	30087.22	0.35	ppb
Manganese	55-2	2651.23	2640.07	2650.75	2647.35	0.24	ppb
Molybdenum	94-1	89.91	92.97	93.24	92.04	2.01	ppb
Molybdenum	95-1	3.31	3.46	3.49	3.42	2.77	ppb
Molybdenum	96-1	12.91	13.22	13.42	13.18	1.96	ppb
Molybdenum	97-1	3.39	3.34	3.47	3.40	1.89	ppb
Molybdenum	98-1	3.29	3.42	3.45	3.38	2.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	313.09	315.79	319.10	316.00	0.95	ppb
Phosphorus	31-2	7364.15	7421.93	7510.42	7432.17	0.99	ppb
Potassium	39-2	8821.83	8848.29	8863.63	8844.58	0.24	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				112		%
Scandium	45-2				111		%
Selenium	82-1	8.62	7.87	7.86	8.12	5.40	ppb
Selenium	77-2	38.83	37.66	35.91	37.47	3.92	ppb
Selenium	78-2	12.19	12.65	16.07	13.64	15.55	ppb
Silicon	28-1	1738.07	1807.18	1748.68	1764.64	2.11	ppb
Silver	107-1	11.92	12.09	12.36	12.12	1.85	ppb
Silver	109-1	11.93	12.00	12.06	12.00	0.56	ppb
Sodium	23-2	1986.08	2024.35	2023.87	2011.43	1.09	ppb
Strontium	86-1	452.15	456.47	459.72	456.11	0.83	ppb
Strontium	88-1	468.15	481.42	474.73	474.77	1.40	ppb
Sulfur	34-1	-1905.91	-1867.71	-2016.98	-1930.20		ppb
Terbium	159-1				109		%
Terbium	159-2				104		%
Thallium	203-1	0.61	0.56	0.61	0.59	4.53	ppb
Thallium	205-1	0.63	0.62	0.62	0.62	0.97	ppb
Tin	118-1	27.61	28.02	28.70	28.11	1.94	ppb
Titanium	47-1	2256.99	2255.41	2239.68	2250.69	0.43	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13	Instrumnet Name :	P7
Client Sample ID :	MYDBE6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:28:58	DataFile Name :	098SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.46	2.38	2.51	2.45	2.63	ppb
Vanadium	51-2	177.11	179.44	179.00	178.52	0.69	ppb
Yttrium	89-1				117		%
Yttrium	89-2				114		%
Zinc	66-2	2590.81	2612.86	2628.24	2610.64	0.72	ppb
Zirconium	90-1	53.07	54.07	54.06	53.73	1.07	ppb
Zirconium	91-1	53.45	54.08	54.70	54.07	1.16	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-14	Instrumnet Name :	P7
Client Sample ID :	MYDBE6D	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:31:57	DataFile Name :	099SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	93974.73	95155.78	91731.84	93620.78	1.86	ppb
Antimony	121-1	11.94	11.99	12.14	12.02	0.87	ppb
Arsenic	75-2	407.26	400.28	396.14	401.22	1.40	ppb
Barium	135-1	1734.27	1689.51	1725.30	1716.36	1.38	ppb
Barium	137-1	1722.77	1692.16	1711.44	1708.79	0.91	ppb
Beryllium	9-1	6.11	6.17	6.72	6.33	5.34	ppb
Bismuth	209-1				119		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	28.29	27.80	29.20	28.43	2.50	ppb
Cadmium	106-1	32.09	29.78	31.14	31.01	3.74	ppb
Cadmium	111-1	26.23	25.09	25.97	25.77	2.32	ppb
Calcium	43-1	29329.28	29651.83	29010.52	29330.54	1.09	ppb
Calcium	44-1	28327.41	27690.68	28281.10	28099.73	1.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	257.71	254.72	254.78	255.74	0.67	ppb
Cobalt	59-2	76.59	75.74	76.83	76.39	0.75	ppb
Copper	63-2	4388.48	4360.58	4426.89	4391.98	0.76	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				105		%
Indium	115-1				106		%
Indium	115-2				101		%
Iron	56-2	100485.14	99828.74	99466.46	99926.78	0.52	ppb
Iron	57-2	98328.91	97264.03	97467.39	97686.78	0.58	ppb
Iron	54-2	101080.70	99024.40	99112.33	99739.14	1.17	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-14	Instrumnet Name :	P7
Client Sample ID :	MYDBE6D	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:31:57	DataFile Name :	099SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	933.04	924.70	919.87	925.87	0.72	ppb
Lead	207-1	955.64	945.94	932.78	944.78	1.21	ppb
Lead	208-1	943.14	933.05	916.64	930.95	1.44	ppb
Lithium	6-1				76		%
Magnesium	24-2	29428.08	29101.49	29067.28	29198.95	0.68	ppb
Manganese	55-2	2598.75	2557.00	2561.18	2572.31	0.89	ppb
Molybdenum	94-1	90.15	91.26	91.28	90.89	0.71	ppb
Molybdenum	95-1	3.41	3.49	3.36	3.42	1.91	ppb
Molybdenum	96-1	13.09	13.06	12.98	13.04	0.41	ppb
Molybdenum	97-1	3.41	3.36	3.25	3.34	2.39	ppb
Molybdenum	98-1	3.31	3.44	3.20	3.31	3.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	305.77	304.12	306.57	305.49	0.41	ppb
Phosphorus	31-2	7285.80	7128.30	7159.59	7191.23	1.16	ppb
Potassium	39-2	8631.54	8550.53	8525.73	8569.26	0.65	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				109		%
Scandium	45-2				111		%
Selenium	82-1	7.98	7.60	8.59	8.06	6.22	ppb
Selenium	77-2	48.32	37.74	39.53	41.86	13.52	ppb
Selenium	78-2	15.95	11.54	13.29	13.59	16.33	ppb
Silicon	28-1	1883.84	1854.77	1819.60	1852.74	1.74	ppb
Silver	107-1	11.95	11.93	12.13	12.00	0.90	ppb
Silver	109-1	11.86	11.64	11.85	11.78	1.05	ppb
Sodium	23-2	1859.25	1861.03	1877.31	1865.86	0.53	ppb
Strontium	86-1	438.01	437.62	437.35	437.66	0.08	ppb
Strontium	88-1	452.75	458.49	454.38	455.21	0.65	ppb
Sulfur	34-1	-1748.33	-1845.97	-2142.36	-1912.22		ppb
Terbium	159-1				108		%
Terbium	159-2				105		%
Thallium	203-1	0.55	0.62	0.63	0.60	6.77	ppb
Thallium	205-1	0.62	0.61	0.61	0.62	0.78	ppb
Tin	118-1	28.26	27.37	28.33	27.99	1.91	ppb
Titanium	47-1	2250.12	2228.53	2223.83	2234.16	0.63	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-14	Instrumnet Name :	P7
Client Sample ID :	MYDBE6D	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:31:57	DataFile Name :	099SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.43	2.41	2.36	2.40	1.65	ppb
Vanadium	51-2	175.18	176.48	177.29	176.32	0.61	ppb
Yttrium	89-1				116		%
Yttrium	89-2				113		%
Zinc	66-2	2565.28	2546.90	2565.05	2559.08	0.41	ppb
Zirconium	90-1	53.74	52.98	52.59	53.10	1.10	ppb
Zirconium	91-1	53.08	53.57	53.53	53.39	0.51	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13LX5	Instrumnet Name :	P7
Client Sample ID :	MYDBE6L	Dilution Factor :	5
Date & Time Acquired :	2024-10-29 23:34:59	DataFile Name :	100SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18646.74	18404.64	18441.51	18497.63	0.71	ppb
Antimony	121-1	2.20	2.24	2.31	2.25	2.54	ppb
Arsenic	75-2	79.63	79.78	81.40	80.27	1.22	ppb
Barium	135-1	287.90	290.87	296.84	291.87	1.56	ppb
Barium	137-1	287.49	292.89	298.12	292.83	1.81	ppb
Beryllium	9-1	1.07	1.15	1.12	1.11	3.51	ppb
Bismuth	209-1				111		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	5.08	5.58	5.51	5.39	5.02	ppb
Cadmium	106-1	5.45	5.23	6.43	5.70	11.20	ppb
Cadmium	111-1	4.81	4.79	5.02	4.87	2.63	ppb
Calcium	43-1	5729.45	5849.89	5894.84	5824.73	1.47	ppb
Calcium	44-1	5548.93	5663.91	5664.78	5625.88	1.18	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	50.45	49.37	50.27	50.03	1.16	ppb
Cobalt	59-2	15.48	15.16	15.06	15.23	1.44	ppb
Copper	63-2	882.24	878.39	874.82	878.48	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				109		%
Holmium	165-2				105		%
Indium	115-1				108		%
Indium	115-2				102		%
Iron	56-2	19633.14	19474.16	19563.82	19557.04	0.41	ppb
Iron	57-2	19732.04	19698.09	19719.15	19716.42	0.09	ppb
Iron	54-2	19725.16	19592.52	19997.98	19771.89	1.05	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13LX5	Instrumnet Name :	P7
Client Sample ID :	MYDBE6L	Dilution Factor :	5
Date & Time Acquired :	2024-10-29 23:34:59	DataFile Name :	100SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	162.93	166.32	163.79	164.34	1.07	ppb
Lead	207-1	163.74	167.97	162.69	164.80	1.70	ppb
Lead	208-1	162.16	165.84	162.90	163.63	1.19	ppb
Lithium	6-1				78		%
Magnesium	24-2	5719.46	5787.24	5897.08	5801.26	1.55	ppb
Manganese	55-2	505.38	502.82	512.76	506.99	1.02	ppb
Molybdenum	94-1	17.69	17.61	17.69	17.67	0.27	ppb
Molybdenum	95-1	0.66	0.72	0.69	0.69	3.99	ppb
Molybdenum	96-1	2.49	2.58	2.59	2.55	2.17	ppb
Molybdenum	97-1	0.69	0.66	0.69	0.68	2.72	ppb
Molybdenum	98-1	0.71	0.67	0.66	0.68	3.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	61.76	61.08	60.59	61.14	0.96	ppb
Phosphorus	31-2	1414.94	1400.26	1419.31	1411.50	0.71	ppb
Potassium	39-2	1786.95	1759.06	1792.52	1779.51	1.01	ppb
Rhodium	103-1				105		%
Rhodium	103-2				105		%
Scandium	45-1				106		%
Scandium	45-2				106		%
Selenium	82-1	1.57	1.49	1.61	1.56	3.92	ppb
Selenium	77-2	9.67	10.26	11.93	10.62	11.02	ppb
Selenium	78-2	3.44	2.69	1.12	2.42	48.96	ppb
Silicon	28-1	337.99	350.80	347.66	345.48	1.93	ppb
Silver	107-1	2.21	2.22	2.35	2.26	3.36	ppb
Silver	109-1	2.17	2.21	2.33	2.24	3.69	ppb
Sodium	23-2	426.99	422.17	425.60	424.92	0.58	ppb
Strontium	86-1	88.79	90.35	88.64	89.26	1.06	ppb
Strontium	88-1	90.48	94.76	93.91	93.05	2.43	ppb
Sulfur	34-1	-3404.35	-3340.00	-3272.62	-3338.99		ppb
Terbium	159-1				108		%
Terbium	159-2				106		%
Thallium	203-1	0.09	0.12	0.10	0.11	14.72	ppb
Thallium	205-1	0.12	0.12	0.13	0.12	5.37	ppb
Tin	118-1	4.95	5.23	5.26	5.15	3.31	ppb
Titanium	47-1	415.81	427.34	434.18	425.78	2.18	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13LX5	Instrumnet Name :	P7
Client Sample ID :	MYDBE6L	Dilution Factor :	5
Date & Time Acquired :	2024-10-29 23:34:59	DataFile Name :	100SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.48	0.50	0.47	0.48	3.22	ppb
Vanadium	51-2	34.48	34.17	34.83	34.49	0.96	ppb
Yttrium	89-1				109		%
Yttrium	89-2				106		%
Zinc	66-2	516.71	512.28	518.55	515.85	0.63	ppb
Zirconium	90-1	10.44	10.45	10.24	10.38	1.13	ppb
Zirconium	91-1	10.41	10.72	10.26	10.46	2.25	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-15	Instrumnet Name :	P7
Client Sample ID :	MYDBE6S	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:38:08	DataFile Name :	101SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	73244.36	74692.15	76417.03	74784.51	2.12	ppb
Antimony	121-1	74.69	76.04	76.20	75.64	1.10	ppb
Arsenic	75-2	336.96	345.50	341.32	341.26	1.25	ppb
Barium	135-1	2798.98	2800.69	2781.72	2793.79	0.38	ppb
Barium	137-1	2780.70	2783.71	2832.67	2799.03	1.04	ppb
Beryllium	9-1	46.12	47.99	49.13	47.75	3.18	ppb
Bismuth	209-1				119		%
Bismuth	209-2				115		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	52.71	53.88	54.26	53.62	1.51	ppb
Cadmium	106-1	53.65	55.32	52.29	53.76	2.83	ppb
Cadmium	111-1	54.06	54.53	54.29	54.29	0.43	ppb
Calcium	43-1	21634.94	21732.13	22460.55	21942.54	2.06	ppb
Calcium	44-1	20952.41	21338.99	21412.89	21234.76	1.16	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	347.30	351.14	356.81	351.75	1.36	ppb
Cobalt	59-2	424.23	431.55	431.53	429.10	0.98	ppb
Copper	63-2	3598.13	3574.82	3598.11	3590.35	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				110		%
Holmium	165-2				106		%
Indium	115-1				107		%
Indium	115-2				103		%
Iron	56-2	78905.21	79185.04	79325.18	79138.48	0.27	ppb
Iron	57-2	76544.29	78566.69	78740.97	77950.65	1.57	ppb
Iron	54-2	78453.32	78364.32	79796.67	78871.44	1.02	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-15	Instrumnet Name :	P7
Client Sample ID :	MYDBE6S	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:38:08	DataFile Name :	101SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	721.22	734.46	738.31	731.33	1.23	ppb
Lead	207-1	726.48	733.98	740.59	733.69	0.96	ppb
Lead	208-1	719.78	736.15	731.98	729.31	1.17	ppb
Lithium	6-1				82		%
Magnesium	24-2	20884.12	21115.59	21090.19	21029.97	0.60	ppb
Manganese	55-2	2337.91	2358.12	2388.60	2361.54	1.08	ppb
Molybdenum	94-1	78.24	79.74	79.91	79.30	1.16	ppb
Molybdenum	95-1	2.66	2.75	2.64	2.68	2.19	ppb
Molybdenum	96-1	11.10	11.08	11.35	11.18	1.37	ppb
Molybdenum	97-1	2.75	2.72	2.73	2.73	0.48	ppb
Molybdenum	98-1	2.66	2.68	2.73	2.69	1.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	593.59	597.98	599.46	597.01	0.51	ppb
Phosphorus	31-2	5072.49	5105.56	5171.29	5116.45	0.98	ppb
Potassium	39-2	6784.52	6821.07	6885.79	6830.46	0.75	ppb
Rhodium	103-1				104		%
Rhodium	103-2				105		%
Scandium	45-1				110		%
Scandium	45-2				111		%
Selenium	82-1	48.36	49.62	50.04	49.34	1.78	ppb
Selenium	77-2	79.85	68.48	72.13	73.49	7.90	ppb
Selenium	78-2	53.70	60.63	49.16	54.50	10.60	ppb
Silicon	28-1	2023.23	2006.97	2053.12	2027.78	1.15	ppb
Silver	107-1	38.97	39.49	39.26	39.24	0.67	ppb
Silver	109-1	38.15	39.31	39.24	38.90	1.67	ppb
Sodium	23-2	862.28	875.34	890.86	876.16	1.63	ppb
Strontium	86-1	293.28	295.38	299.63	296.10	1.09	ppb
Strontium	88-1	305.83	318.49	308.06	310.79	2.17	ppb
Sulfur	34-1	-2113.22	-2273.14	-2091.54	-2159.30		ppb
Terbium	159-1				110		%
Terbium	159-2				106		%
Thallium	203-1	27.14	27.84	27.72	27.57	1.36	ppb
Thallium	205-1	27.36	27.92	27.68	27.65	1.01	ppb
Tin	118-1	22.84	23.15	23.36	23.12	1.13	ppb
Titanium	47-1	1856.08	1864.23	1891.96	1870.76	1.01	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-15	Instrumnet Name :	P7
Client Sample ID :	MYDBE6S	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:38:08	DataFile Name :	101SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.78	1.83	1.79	1.80	1.44	ppb
Vanadium	51-2	493.71	508.38	498.92	500.34	1.49	ppb
Yttrium	89-1				115		%
Yttrium	89-2				112		%
Zinc	66-2	2373.88	2385.29	2412.09	2390.42	0.82	ppb
Zirconium	90-1	45.65	46.70	46.72	46.36	1.32	ppb
Zirconium	91-1	46.35	46.26	47.13	46.58	1.02	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13MS	Instrumnet Name :	P7
Client Sample ID :	MYDBE6SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:41:08	DataFile Name :	102SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	78228.83	77943.49	77419.43	77863.92	0.53	ppb
Antimony	121-1	306.52	306.87	313.65	309.01	1.30	ppb
Arsenic	75-2	424.16	419.76	429.42	424.44	1.14	ppb
Barium	135-1	6848.49	7061.52	7177.57	7029.19	2.37	ppb
Barium	137-1	6928.59	7095.68	7222.78	7082.35	2.08	ppb
Beryllium	9-1	169.44	170.34	169.51	169.76	0.29	ppb
Bismuth	209-1				119		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	156.43	153.09	160.20	156.57	2.27	ppb
Cadmium	106-1	150.64	155.04	155.31	153.66	1.70	ppb
Cadmium	111-1	165.50	166.40	172.00	167.97	2.10	ppb
Calcium	43-1	21282.85	21572.61	21549.71	21468.39	0.75	ppb
Calcium	44-1	20526.80	20757.72	21152.43	20812.31	1.52	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	791.23	783.10	810.32	794.88	1.76	ppb
Cobalt	59-2	1542.57	1523.70	1518.65	1528.31	0.83	ppb
Copper	63-2	4111.88	4073.95	4118.69	4101.51	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				110		%
Holmium	165-2				106		%
Indium	115-1				108		%
Indium	115-2				102		%
Iron	56-2	80999.52	80195.61	80587.45	80594.19	0.50	ppb
Iron	57-2	80082.53	79504.46	80726.06	80104.35	0.76	ppb
Iron	54-2	80775.14	80571.33	82366.70	81237.72	1.21	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13MS	Instrumnet Name :	P7
Client Sample ID :	MYDBE6SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:41:08	DataFile Name :	102SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	741.15	778.93	771.72	763.93	2.63	ppb
Lead	207-1	768.56	803.02	782.53	784.71	2.21	ppb
Lead	208-1	754.26	776.60	775.63	768.83	1.64	ppb
Lithium	6-1				85		%
Magnesium	24-2	20984.02	20718.09	20713.19	20805.10	0.74	ppb
Manganese	55-2	3411.48	3405.06	3464.17	3426.90	0.95	ppb
Molybdenum	94-1	75.38	79.13	79.94	78.15	3.12	ppb
Molybdenum	95-1	2.55	2.73	2.64	2.64	3.46	ppb
Molybdenum	96-1	10.72	11.23	11.08	11.01	2.38	ppb
Molybdenum	97-1	2.54	2.60	2.57	2.57	1.13	ppb
Molybdenum	98-1	2.66	2.67	2.63	2.65	0.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1817.10	1783.69	1809.57	1803.45	0.97	ppb
Phosphorus	31-2	5110.56	5108.99	5105.45	5108.34	0.05	ppb
Potassium	39-2	6842.08	6727.80	6716.50	6762.12	1.03	ppb
Rhodium	103-1				105		%
Rhodium	103-2				103		%
Scandium	45-1				110		%
Scandium	45-2				109		%
Selenium	82-1	548.21	556.86	564.10	556.39	1.43	ppb
Selenium	77-2	576.09	569.53	589.50	578.37	1.76	ppb
Selenium	78-2	553.85	561.95	567.53	561.11	1.23	ppb
Silicon	28-1	1981.33	1999.69	2017.33	1999.45	0.90	ppb
Silver	107-1	96.67	107.16	101.45	101.76	5.16	ppb
Silver	109-1	107.71	101.21	99.01	102.64	4.41	ppb
Sodium	23-2	908.76	906.20	905.35	906.77	0.20	ppb
Strontium	86-1	288.35	294.84	296.78	293.32	1.51	ppb
Strontium	88-1	302.59	310.78	311.01	308.12	1.56	ppb
Sulfur	34-1	-2005.01	-2127.45	-2132.24	-2088.23		ppb
Terbium	159-1				111		%
Terbium	159-2				108		%
Thallium	203-1	115.64	119.62	118.73	118.00	1.77	ppb
Thallium	205-1	115.59	120.71	118.59	118.30	2.18	ppb
Tin	118-1	21.71	21.55	22.47	21.91	2.25	ppb
Titanium	47-1	1832.66	1872.92	1867.22	1857.60	1.17	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13MS	Instrumnet Name :	P7
Client Sample ID :	MYDBE6SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:41:08	DataFile Name :	102SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.77	1.87	1.78	1.81	2.85	ppb
Vanadium	51-2	1585.60	1570.15	1595.56	1583.77	0.81	ppb
Yttrium	89-1				115		%
Yttrium	89-2				111		%
Zinc	66-2	3540.35	3476.50	3630.84	3549.23	2.19	ppb
Zirconium	90-1	44.58	46.60	46.01	45.73	2.27	ppb
Zirconium	91-1	44.93	46.23	45.99	45.72	1.52	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-16	Instrumnet Name :	P7
Client Sample ID :	MYDBE7	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:44:02	DataFile Name :	103SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	106991.23	107432.04	107011.16	107144.81	0.23	ppb
Antimony	121-1	12.38	10.49	10.80	11.22	9.03	ppb
Arsenic	75-2	314.35	316.68	315.81	315.62	0.37	ppb
Barium	135-1	1267.75	1061.88	1083.10	1137.58	9.95	ppb
Barium	137-1	1269.13	1059.35	1098.64	1142.37	9.76	ppb
Beryllium	9-1	9.87	8.28	8.94	9.03	8.85	ppb
Bismuth	209-1				120		%
Bismuth	209-2				116		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	28.95	24.35	24.78	26.02	9.77	ppb
Cadmium	106-1	32.35	26.78	26.61	28.58	11.43	ppb
Cadmium	111-1	24.78	21.55	21.85	22.73	7.86	ppb
Calcium	43-1	21950.83	18535.64	19025.59	19837.35	9.31	ppb
Calcium	44-1	21363.64	17729.36	18301.85	19131.62	10.21	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	258.84	260.18	258.56	259.19	0.33	ppb
Cobalt	59-2	52.01	52.12	52.36	52.16	0.35	ppb
Copper	63-2	4350.94	4334.27	4288.37	4324.53	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				106		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				101		%
Iron	56-2	120117.71	119820.56	119919.03	119952.44	0.13	ppb
Iron	57-2	118194.79	119362.36	118311.64	118622.93	0.54	ppb
Iron	54-2	120679.50	122112.47	118580.61	120457.53	1.47	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-16	Instrumnet Name :	P7
Client Sample ID :	MYDBE7	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:44:02	DataFile Name :	103SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	846.52	731.06	737.57	771.71	8.40	ppb
Lead	207-1	828.88	731.48	726.48	762.28	7.57	ppb
Lead	208-1	831.14	727.82	729.04	762.67	7.78	ppb
Lithium	6-1				82		%
Magnesium	24-2	23042.98	23554.71	23001.48	23199.72	1.33	ppb
Manganese	55-2	2163.80	2195.04	2162.69	2173.84	0.84	ppb
Molybdenum	94-1	98.96	84.50	86.34	89.94	8.75	ppb
Molybdenum	95-1	4.55	3.81	3.90	4.09	9.84	ppb
Molybdenum	96-1	15.09	12.87	13.27	13.74	8.63	ppb
Molybdenum	97-1	4.48	3.91	3.86	4.08	8.49	ppb
Molybdenum	98-1	4.45	3.88	3.89	4.08	7.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	241.87	242.47	242.60	242.31	0.16	ppb
Phosphorus	31-2	3819.55	3769.44	3813.84	3800.94	0.72	ppb
Potassium	39-2	7397.07	7445.47	7265.70	7369.42	1.26	ppb
Rhodium	103-1				100		%
Rhodium	103-2				103		%
Scandium	45-1				106		%
Scandium	45-2				108		%
Selenium	82-1	9.84	8.59	7.69	8.71	12.43	ppb
Selenium	77-2	33.36	38.65	36.93	36.31	7.43	ppb
Selenium	78-2	12.10	14.94	11.17	12.74	15.42	ppb
Silicon	28-1	2512.21	2035.28	2137.22	2228.24	11.27	ppb
Silver	107-1	10.24	8.42	8.85	9.17	10.37	ppb
Silver	109-1	10.10	8.33	8.66	9.03	10.43	ppb
Sodium	23-2	507.80	514.10	517.70	513.20	0.98	ppb
Strontium	86-1	230.01	198.07	200.73	209.60	8.45	ppb
Strontium	88-1	242.34	209.30	208.09	219.91	8.84	ppb
Sulfur	34-1	-1072.07	-2452.08	-2353.68	-1959.28		ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	0.50	0.45	0.45	0.46	6.41	ppb
Thallium	205-1	0.52	0.44	0.43	0.46	11.31	ppb
Tin	118-1	54.10	45.63	46.71	48.81	9.45	ppb
Titanium	47-1	2246.20	1918.11	1941.11	2035.14	9.00	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-16	Instrumnet Name :	P7
Client Sample ID :	MYDBE7	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:44:02	DataFile Name :	103SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.62	1.42	1.39	1.48	8.19	ppb
Vanadium	51-2	140.89	141.79	141.08	141.25	0.34	ppb
Yttrium	89-1				111		%
Yttrium	89-2				110		%
Zinc	66-2	3311.68	3307.63	3251.15	3290.15	1.03	ppb
Zirconium	90-1	58.52	49.12	49.93	52.52	9.92	ppb
Zirconium	91-1	57.47	49.25	49.95	52.22	8.72	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-17	Instrumnet Name :	P7
Client Sample ID :	MYDBE8	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:47:04	DataFile Name :	104SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	65455.83	66403.93	65750.16	65869.97	0.74	ppb
Antimony	121-1	7.07	7.16	7.15	7.13	0.67	ppb
Arsenic	75-2	448.84	443.77	445.03	445.88	0.59	ppb
Barium	135-1	951.73	948.63	961.17	953.85	0.68	ppb
Barium	137-1	1038.11	1036.70	1062.47	1045.76	1.39	ppb
Beryllium	9-1	3.91	4.00	4.05	3.99	1.75	ppb
Bismuth	209-1				116		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	20.35	18.39	20.67	19.81	6.23	ppb
Cadmium	106-1	23.13	23.47	22.40	23.00	2.38	ppb
Cadmium	111-1	18.26	18.14	18.02	18.14	0.66	ppb
Calcium	43-1	17591.57	18173.33	17885.21	17883.37	1.63	ppb
Calcium	44-1	17139.51	17247.33	17261.18	17216.01	0.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	204.66	206.15	207.99	206.27	0.81	ppb
Cobalt	59-2	76.72	76.84	77.37	76.98	0.45	ppb
Copper	63-2	4004.07	4039.80	4003.47	4015.78	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				109		%
Holmium	165-2				105		%
Indium	115-1				106		%
Indium	115-2				101		%
Iron	56-2	85187.18	88141.86	87308.82	86879.29	1.75	ppb
Iron	57-2	85378.70	86371.19	85789.72	85846.54	0.58	ppb
Iron	54-2	86530.94	88037.46	86255.60	86941.33	1.10	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-17	Instrumnet Name :	P7
Client Sample ID :	MYDBE8	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:47:04	DataFile Name :	104SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	616.39	607.68	625.78	616.61	1.47	ppb
Lead	207-1	615.82	610.60	637.51	621.31	2.30	ppb
Lead	208-1	609.90	605.45	635.57	616.97	2.63	ppb
Lithium	6-1				82		%
Magnesium	24-2	20227.77	19992.72	20282.79	20167.76	0.76	ppb
Manganese	55-2	2606.40	2638.56	2638.66	2627.87	0.71	ppb
Molybdenum	94-1	91.53	90.19	92.72	91.48	1.38	ppb
Molybdenum	95-1	2.01	2.02	2.03	2.02	0.35	ppb
Molybdenum	96-1	12.05	11.88	12.13	12.02	1.04	ppb
Molybdenum	97-1	2.02	2.04	2.05	2.03	0.77	ppb
Molybdenum	98-1	2.03	1.97	1.92	1.97	2.80	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	192.35	193.02	192.84	192.74	0.18	ppb
Phosphorus	31-2	4795.70	4897.66	4763.76	4819.04	1.45	ppb
Potassium	39-2	5848.98	5846.53	5964.60	5886.70	1.15	ppb
Rhodium	103-1				104		%
Rhodium	103-2				102		%
Scandium	45-1				111		%
Scandium	45-2				111		%
Selenium	82-1	5.07	5.36	6.77	5.73	15.88	ppb
Selenium	77-2	37.44	42.33	37.16	38.98	7.45	ppb
Selenium	78-2	9.81	9.34	9.45	9.53	2.59	ppb
Silicon	28-1	2083.14	2147.18	2096.65	2108.99	1.60	ppb
Silver	107-1	7.67	7.70	7.81	7.73	0.93	ppb
Silver	109-1	7.58	7.52	7.81	7.64	2.02	ppb
Sodium	23-2	505.89	508.30	513.07	509.09	0.72	ppb
Strontium	86-1	249.09	244.91	251.81	248.60	1.40	ppb
Strontium	88-1	258.12	256.23	265.72	260.02	1.93	ppb
Sulfur	34-1	-3282.56	-3253.99	-3309.53	-3282.03		ppb
Terbium	159-1				109		%
Terbium	159-2				104		%
Thallium	203-1	0.55	0.52	0.59	0.55	6.51	ppb
Thallium	205-1	0.58	0.58	0.59	0.58	1.66	ppb
Tin	118-1	13.60	13.56	13.61	13.59	0.21	ppb
Titanium	47-1	2082.08	2153.45	2144.37	2126.63	1.83	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-17	Instrumnet Name :	P7
Client Sample ID :	MYDBE8	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:47:04	DataFile Name :	104SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.26	2.23	2.32	2.27	2.06	ppb
Vanadium	51-2	164.19	165.46	164.02	164.56	0.48	ppb
Yttrium	89-1				117		%
Yttrium	89-2				112		%
Zinc	66-2	1434.09	1441.75	1436.14	1437.33	0.28	ppb
Zirconium	90-1	54.76	53.81	55.27	54.61	1.35	ppb
Zirconium	91-1	55.06	54.18	54.96	54.73	0.87	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-18	Instrumnet Name :	P7
Client Sample ID :	MYDBE9	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:50:04	DataFile Name :	105SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	86132.46	86980.26	84891.12	86001.28	1.22	ppb
Antimony	121-1	3.37	3.44	3.52	3.44	2.11	ppb
Arsenic	75-2	149.86	150.76	146.59	149.07	1.47	ppb
Barium	135-1	484.95	499.81	499.83	494.86	1.74	ppb
Barium	137-1	491.12	499.82	502.39	497.78	1.19	ppb
Beryllium	9-1	4.22	4.14	4.15	4.17	1.06	ppb
Bismuth	209-1				112		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	10.64	9.77	10.16	10.19	4.25	ppb
Cadmium	106-1	9.51	10.68	10.59	10.26	6.31	ppb
Cadmium	111-1	8.84	9.15	8.93	8.97	1.76	ppb
Calcium	43-1	19993.15	19990.77	19972.50	19985.47	0.06	ppb
Calcium	44-1	19194.01	19373.27	19431.63	19332.97	0.64	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	273.38	276.23	275.95	275.19	0.57	ppb
Cobalt	59-2	70.14	69.30	69.59	69.68	0.61	ppb
Copper	63-2	1808.99	1783.41	1787.72	1793.37	0.76	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				103		%
Indium	115-1				105		%
Indium	115-2				100		%
Iron	56-2	126487.98	127326.55	126916.64	126910.39	0.33	ppb
Iron	57-2	123134.53	125968.03	124836.74	124646.44	1.14	ppb
Iron	54-2	127758.65	126961.31	126106.21	126942.06	0.65	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-18	Instrumnet Name :	P7
Client Sample ID :	MYDBE9	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:50:04	DataFile Name :	105SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	277.24	275.27	275.24	275.92	0.41	ppb
Lead	207-1	270.01	271.90	270.89	270.93	0.35	ppb
Lead	208-1	291.36	296.21	294.70	294.09	0.84	ppb
Lithium	6-1				76		%
Magnesium	24-2	41085.51	41078.13	41204.50	41122.71	0.17	ppb
Manganese	55-2	2220.68	2272.78	2209.17	2234.21	1.52	ppb
Molybdenum	94-1	31.82	32.01	32.74	32.19	1.51	ppb
Molybdenum	95-1	2.32	2.31	2.48	2.37	3.91	ppb
Molybdenum	96-1	6.08	6.23	6.21	6.17	1.32	ppb
Molybdenum	97-1	2.28	2.37	2.36	2.34	2.11	ppb
Molybdenum	98-1	2.32	2.23	2.32	2.29	2.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	199.73	200.88	200.54	200.38	0.29	ppb
Phosphorus	31-2	2746.85	2756.40	2826.72	2776.66	1.57	ppb
Potassium	39-2	7107.04	7098.53	7171.64	7125.74	0.56	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				110		%
Scandium	45-2				111		%
Selenium	82-1	3.73	3.00	4.03	3.59	14.69	ppb
Selenium	77-2	19.36	13.76	16.98	16.70	16.84	ppb
Selenium	78-2	5.24	3.67	3.96	4.29	19.44	ppb
Silicon	28-1	2792.68	2742.84	2730.86	2755.46	1.19	ppb
Silver	107-1	3.14	3.22	3.25	3.20	1.81	ppb
Silver	109-1	3.16	3.19	3.20	3.18	0.60	ppb
Sodium	23-2	470.69	475.09	477.21	474.33	0.70	ppb
Strontium	86-1	123.93	124.96	128.15	125.68	1.75	ppb
Strontium	88-1	134.46	131.01	135.86	133.78	1.86	ppb
Sulfur	34-1	-2916.70	-2997.30	-3084.85	-2999.62		ppb
Terbium	159-1				108		%
Terbium	159-2				104		%
Thallium	203-1	0.23	0.23	0.22	0.23	1.88	ppb
Thallium	205-1	0.25	0.23	0.25	0.24	5.55	ppb
Tin	118-1	27.06	27.75	27.83	27.55	1.54	ppb
Titanium	47-1	1417.67	1416.24	1423.89	1419.27	0.29	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-18	Instrumnet Name :	P7
Client Sample ID :	MYDBE9	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:50:04	DataFile Name :	105SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.90	0.91	0.97	0.93	3.73	ppb
Vanadium	51-2	261.51	261.52	260.84	261.29	0.15	ppb
Yttrium	89-1				112		%
Yttrium	89-2				108		%
Zinc	66-2	1408.71	1402.48	1396.44	1402.54	0.44	ppb
Zirconium	90-1	18.02	17.95	18.37	18.11	1.25	ppb
Zirconium	91-1	18.09	18.13	18.54	18.25	1.39	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-19	Instrumnet Name :	P7
Client Sample ID :	MYDBF0	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:53:10	DataFile Name :	106SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	93726.07	94796.04	94406.47	94309.53	0.57	ppb
Antimony	121-1	14.50	14.02	13.70	14.07	2.86	ppb
Arsenic	75-2	489.31	490.24	489.75	489.76	0.10	ppb
Barium	135-1	1141.71	1083.24	1091.74	1105.56	2.86	ppb
Barium	137-1	1138.18	1087.34	1076.58	1100.70	2.99	ppb
Beryllium	9-1	6.45	6.51	6.16	6.37	2.94	ppb
Bismuth	209-1				121		%
Bismuth	209-2				117		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	23.00	22.53	22.72	22.75	1.04	ppb
Cadmium	106-1	24.32	24.68	22.83	23.94	4.10	ppb
Cadmium	111-1	21.74	20.53	20.34	20.87	3.65	ppb
Calcium	43-1	22166.04	20956.81	21524.78	21549.21	2.81	ppb
Calcium	44-1	21482.71	20425.81	20698.48	20869.00	2.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	274.46	275.93	278.80	276.40	0.80	ppb
Cobalt	59-2	61.21	61.30	62.15	61.55	0.84	ppb
Copper	63-2	3732.87	3761.47	3814.80	3769.71	1.10	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				108		%
Holmium	165-2				106		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	56-2	83520.36	82849.76	82958.74	83109.62	0.43	ppb
Iron	57-2	82006.41	81331.88	81633.39	81657.23	0.41	ppb
Iron	54-2	82778.21	83289.64	84149.50	83405.78	0.83	ppb
Krypton	83-1						cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-19	Instrumnet Name :	P7
Client Sample ID :	MYDBF0	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:53:10	DataFile Name :	106SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	995.00	959.18	944.39	966.19	2.69	ppb
Lead	207-1	1016.76	957.07	967.31	980.38	3.26	ppb
Lead	208-1	999.48	951.47	942.68	964.54	3.17	ppb
Lithium	6-1				78		%
Magnesium	24-2	23995.18	23916.00	24471.26	24127.48	1.24	ppb
Manganese	55-2	2136.35	2122.91	2149.60	2136.29	0.62	ppb
Molybdenum	94-1	72.79	67.86	68.27	69.64	3.93	ppb
Molybdenum	95-1	4.31	4.02	3.91	4.08	4.99	ppb
Molybdenum	96-1	11.84	11.00	11.13	11.32	4.01	ppb
Molybdenum	97-1	4.25	4.00	4.11	4.12	3.00	ppb
Molybdenum	98-1	4.28	4.00	4.00	4.09	3.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	272.89	270.93	275.27	273.03	0.79	ppb
Phosphorus	31-2	6200.52	6322.92	6467.63	6330.36	2.11	ppb
Potassium	39-2	5799.62	5852.87	5882.44	5844.98	0.72	ppb
Rhodium	103-1				101		%
Rhodium	103-2				103		%
Scandium	45-1				106		%
Scandium	45-2				109		%
Selenium	82-1	9.44	7.34	8.00	8.26	12.98	ppb
Selenium	77-2	39.33	31.97	33.32	34.87	11.25	ppb
Selenium	78-2	13.50	11.18	11.12	11.94	11.39	ppb
Silicon	28-1	2329.18	2176.54	2287.60	2264.44	3.48	ppb
Silver	107-1	10.66	10.28	10.16	10.37	2.49	ppb
Silver	109-1	10.62	10.14	10.00	10.25	3.18	ppb
Sodium	23-2	701.11	709.98	710.77	707.29	0.76	ppb
Strontium	86-1	362.35	339.08	338.74	346.72	3.90	ppb
Strontium	88-1	373.94	354.06	355.54	361.18	3.07	ppb
Sulfur	34-1	-1961.01	-2565.10	-2401.59	-2309.24		ppb
Terbium	159-1				109		%
Terbium	159-2				106		%
Thallium	203-1	0.53	0.50	0.52	0.52	3.15	ppb
Thallium	205-1	0.55	0.53	0.50	0.53	5.21	ppb
Tin	118-1	35.70	34.15	33.99	34.61	2.73	ppb
Titanium	47-1	2519.02	2359.39	2422.81	2433.74	3.30	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-19	Instrumnet Name :	P7
Client Sample ID :	MYDBF0	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:53:10	DataFile Name :	106SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.00	1.94	1.96	1.97	1.49	ppb
Vanadium	51-2	155.22	154.61	157.25	155.70	0.89	ppb
Yttrium	89-1				112		%
Yttrium	89-2				111		%
Zinc	66-2	2378.79	2370.82	2415.48	2388.36	1.00	ppb
Zirconium	90-1	41.63	39.20	39.15	40.00	3.54	ppb
Zirconium	91-1	42.12	38.90	39.47	40.16	4.28	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-20	Instrumnet Name :	P7
Client Sample ID :	MYDBF1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:56:10	DataFile Name :	107SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	102453.88	101791.57	101062.00	101769.15	0.68	ppb
Antimony	121-1	13.59	13.20	13.42	13.40	1.49	ppb
Arsenic	75-2	358.45	362.32	364.90	361.89	0.90	ppb
Barium	135-1	806.80	787.80	783.88	792.83	1.55	ppb
Barium	137-1	896.72	845.19	854.96	865.63	3.16	ppb
Beryllium	9-1	8.19	7.85	7.99	8.01	2.15	ppb
Bismuth	209-1				128		%
Bismuth	209-2				122		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	30.42	30.00	31.36	30.59	2.28	ppb
Cadmium	106-1	32.96	32.66	31.71	32.44	2.01	ppb
Cadmium	111-1	30.99	29.95	29.57	30.17	2.43	ppb
Calcium	43-1	18673.74	17889.53	18199.70	18254.32	2.16	ppb
Calcium	44-1	17828.12	17343.23	17426.51	17532.62	1.48	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	244.11	244.79	243.15	244.02	0.34	ppb
Cobalt	59-2	66.79	66.20	66.85	66.61	0.54	ppb
Copper	63-2	5971.27	5957.85	5974.44	5967.85	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				109		%
Holmium	165-2				106		%
Indium	115-1				105		%
Indium	115-2				102		%
Iron	56-2	93988.89	94999.65	94404.49	94464.34	0.54	ppb
Iron	57-2	93423.12	91344.44	92628.80	92465.45	1.13	ppb
Iron	54-2	95494.69	94159.68	93401.48	94351.95	1.12	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-20	Instrumnet Name :	P7
Client Sample ID :	MYDBF1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:56:10	DataFile Name :	107SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1008.96	995.26	1028.24	1010.82	1.64	ppb
Lead	207-1	1029.49	1009.78	1020.45	1019.91	0.97	ppb
Lead	208-1	1014.19	1001.93	1021.13	1012.42	0.96	ppb
Lithium	6-1				79		%
Magnesium	24-2	23161.09	22714.74	23078.65	22984.83	1.03	ppb
Manganese	55-2	1961.74	1981.34	1953.16	1965.42	0.73	ppb
Molybdenum	94-1	67.14	64.55	63.90	65.20	2.63	ppb
Molybdenum	95-1	4.40	4.34	4.19	4.31	2.52	ppb
Molybdenum	96-1	11.30	11.16	10.97	11.15	1.49	ppb
Molybdenum	97-1	4.37	4.10	4.31	4.26	3.27	ppb
Molybdenum	98-1	4.40	4.31	4.29	4.33	1.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	212.61	210.24	211.22	211.36	0.56	ppb
Phosphorus	31-2	3935.32	3837.19	3870.16	3880.89	1.29	ppb
Potassium	39-2	10047.30	9941.02	9940.33	9976.22	0.62	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				108		%
Scandium	45-2				109		%
Selenium	82-1	9.42	10.23	10.04	9.89	4.29	ppb
Selenium	77-2	23.41	31.99	25.86	27.09	16.32	ppb
Selenium	78-2	10.32	9.63	12.67	10.87	14.67	ppb
Silicon	28-1	2617.94	2564.70	2531.92	2571.52	1.69	ppb
Silver	107-1	14.13	13.56	13.44	13.71	2.68	ppb
Silver	109-1	13.85	13.65	13.49	13.66	1.31	ppb
Sodium	23-2	652.33	649.02	652.25	651.20	0.29	ppb
Strontium	86-1	155.81	149.81	148.13	151.25	2.67	ppb
Strontium	88-1	161.32	155.43	157.16	157.97	1.92	ppb
Sulfur	34-1	-145.57	-644.37	-566.10	-452.01		ppb
Terbium	159-1				108		%
Terbium	159-2				106		%
Thallium	203-1	0.48	0.48	0.51	0.49	3.01	ppb
Thallium	205-1	0.49	0.47	0.48	0.48	1.40	ppb
Tin	118-1	55.04	53.69	53.54	54.09	1.53	ppb
Titanium	47-1	1751.53	1682.46	1730.04	1721.34	2.05	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-20	Instrumnet Name :	P7
Client Sample ID :	MYDBF1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:56:10	DataFile Name :	107SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.25	1.27	1.25	1.26	1.07	ppb
Vanadium	51-2	156.99	158.17	157.33	157.50	0.39	ppb
Yttrium	89-1				113		%
Yttrium	89-2				110		%
Zinc	66-2	3754.11	3760.07	3781.13	3765.10	0.38	ppb
Zirconium	90-1	38.00	36.65	36.56	37.07	2.18	ppb
Zirconium	91-1	38.54	36.78	36.03	37.12	3.47	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-21	Instrumnet Name :	P7
Client Sample ID :	MYDBF2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:59:13	DataFile Name :	108SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	85969.30	83975.35	86381.61	85442.09	1.51	ppb
Antimony	121-1	5.33	5.56	5.58	5.49	2.53	ppb
Arsenic	75-2	319.29	326.97	325.00	323.75	1.23	ppb
Barium	135-1	2246.06	2282.32	2335.63	2288.00	1.97	ppb
Barium	137-1	2228.60	2244.36	2301.17	2258.04	1.69	ppb
Beryllium	9-1	5.39	4.95	5.22	5.19	4.21	ppb
Bismuth	209-1				118		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	20.33	20.44	21.19	20.65	2.28	ppb
Cadmium	106-1	23.22	23.40	22.45	23.02	2.20	ppb
Cadmium	111-1	17.47	17.33	17.42	17.41	0.43	ppb
Calcium	43-1	25589.40	26377.75	26426.38	26131.18	1.80	ppb
Calcium	44-1	24561.46	25250.83	25254.89	25022.39	1.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	230.28	229.83	231.41	230.51	0.35	ppb
Cobalt	59-2	61.63	62.24	63.12	62.33	1.20	ppb
Copper	63-2	2696.16	2676.15	2746.65	2706.32	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				110		%
Holmium	165-2				106		%
Indium	115-1				108		%
Indium	115-2				101		%
Iron	56-2	89428.21	88543.35	91238.72	89736.76	1.53	ppb
Iron	57-2	89032.25	87048.48	89016.72	88365.82	1.29	ppb
Iron	54-2	89544.33	89489.93	90556.41	89863.56	0.67	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-21	Instrumnet Name :	P7
Client Sample ID :	MYDBF2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:59:13	DataFile Name :	108SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	581.48	582.41	590.20	584.70	0.82	ppb
Lead	207-1	585.53	596.29	605.60	595.81	1.69	ppb
Lead	208-1	583.67	590.48	593.75	589.30	0.87	ppb
Lithium	6-1				81		%
Magnesium	24-2	30793.89	30472.52	30802.77	30689.73	0.61	ppb
Manganese	55-2	2003.71	1999.27	2013.86	2005.61	0.37	ppb
Molybdenum	94-1	101.51	104.35	104.53	103.46	1.63	ppb
Molybdenum	95-1	1.96	2.01	2.02	2.00	1.43	ppb
Molybdenum	96-1	12.94	13.25	13.16	13.12	1.24	ppb
Molybdenum	97-1	1.97	2.06	2.09	2.04	2.88	ppb
Molybdenum	98-1	1.89	2.00	1.98	1.95	3.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	314.52	314.10	316.97	315.20	0.49	ppb
Phosphorus	31-2	6197.47	6159.60	6140.14	6165.74	0.47	ppb
Potassium	39-2	7287.28	7227.92	7315.07	7276.76	0.61	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				111		%
Scandium	45-2				111		%
Selenium	82-1	5.05	4.99	4.43	4.83	7.12	ppb
Selenium	77-2	37.88	45.31	44.60	42.59	9.62	ppb
Selenium	78-2	9.53	12.62	11.31	11.15	13.94	ppb
Silicon	28-1	2378.98	2404.20	2451.01	2411.40	1.52	ppb
Silver	107-1	7.63	7.75	7.81	7.73	1.19	ppb
Silver	109-1	7.62	7.69	7.81	7.71	1.23	ppb
Sodium	23-2	1329.18	1322.86	1350.41	1334.15	1.08	ppb
Strontium	86-1	449.41	453.99	462.88	455.43	1.50	ppb
Strontium	88-1	463.41	469.22	477.09	469.91	1.46	ppb
Sulfur	34-1	-2767.96	-2603.17	-2627.49	-2666.21		ppb
Terbium	159-1				111		%
Terbium	159-2				107		%
Thallium	203-1	0.41	0.46	0.42	0.43	6.11	ppb
Thallium	205-1	0.43	0.42	0.43	0.43	0.64	ppb
Tin	118-1	19.49	19.82	20.15	19.82	1.66	ppb
Titanium	47-1	2268.56	2356.42	2295.97	2306.98	1.95	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-21	Instrumnet Name :	P7
Client Sample ID :	MYDBF2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:59:13	DataFile Name :	108SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.17	2.21	2.22	2.20	1.35	ppb
Vanadium	51-2	189.83	188.49	190.58	189.63	0.56	ppb
Yttrium	89-1				117		%
Yttrium	89-2				112		%
Zinc	66-2	1665.56	1649.39	1678.86	1664.61	0.89	ppb
Zirconium	90-1	61.16	62.04	62.48	61.89	1.08	ppb
Zirconium	91-1	60.74	62.40	62.93	62.02	1.84	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-22	Instrumnet Name :	P7
Client Sample ID :	MYDBF3	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:02:13	DataFile Name :	109SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	189345.28	189563.83	188650.21	189186.44	0.25	ppb
Antimony	121-1	24.77	25.17	25.74	25.23	1.94	ppb
Arsenic	75-2	349.83	344.79	348.25	347.62	0.74	ppb
Barium	135-1	750.83	765.06	788.11	768.00	2.45	ppb
Barium	137-1	836.11	828.74	875.62	846.82	2.98	ppb
Beryllium	9-1	17.24	17.52	17.29	17.35	0.84	ppb
Bismuth	209-1				150		%
Bismuth	209-2				141		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	36.75	37.00	39.00	37.58	3.28	ppb
Cadmium	106-1	37.33	39.20	40.17	38.90	3.71	ppb
Cadmium	111-1	33.02	33.40	34.44	33.62	2.18	ppb
Calcium	43-1	18523.47	19365.36	19477.49	19122.11	2.73	ppb
Calcium	44-1	18185.77	18677.04	18859.09	18573.97	1.88	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	501.28	499.86	501.59	500.91	0.18	ppb
Cobalt	59-2	45.87	46.15	45.31	45.78	0.93	ppb
Copper	63-2	9209.38	9269.53	9125.28	9201.40	0.79	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				109		%
Holmium	165-2				104		%
Indium	115-1				107		%
Indium	115-2				100		%
Iron	56-2	77479.75	77458.24	77115.77	77351.25	0.26	ppb
Iron	57-2	75438.87	76505.36	75760.90	75901.71	0.72	ppb
Iron	54-2	77906.95	77219.60	76859.74	77328.76	0.69	ppb
Krypton	83-1						cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-22	Instrumnet Name :	P7
Client Sample ID :	MYDBF3	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:02:13	DataFile Name :	109SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1100.06	1098.55	1105.71	1101.44	0.34	ppb
Lead	207-1	1110.08	1099.24	1109.78	1106.37	0.56	ppb
Lead	208-1	1090.48	1095.50	1100.29	1095.42	0.45	ppb
Lithium	6-1				83		%
Magnesium	24-2	30244.81	30120.90	30019.04	30128.25	0.38	ppb
Manganese	55-2	1811.67	1821.10	1830.13	1820.97	0.51	ppb
Molybdenum	94-1	100.74	104.14	103.70	102.86	1.80	ppb
Molybdenum	95-1	9.38	9.71	9.97	9.69	3.04	ppb
Molybdenum	96-1	19.59	19.90	20.07	19.85	1.23	ppb
Molybdenum	97-1	9.30	9.78	9.60	9.56	2.59	ppb
Molybdenum	98-1	9.48	9.57	9.74	9.60	1.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	342.49	341.37	339.10	340.98	0.51	ppb
Phosphorus	31-2	2830.26	2844.64	2823.30	2832.73	0.38	ppb
Potassium	39-2	8912.48	8891.56	8677.98	8827.34	1.47	ppb
Rhodium	103-1				103		%
Rhodium	103-2				101		%
Scandium	45-1				108		%
Scandium	45-2				107		%
Selenium	82-1	12.92	14.61	13.23	13.58	6.62	ppb
Selenium	77-2	27.37	28.59	27.23	27.73	2.70	ppb
Selenium	78-2	16.20	19.32	15.90	17.14	11.07	ppb
Silicon	28-1	2962.22	3038.81	3091.14	3030.73	2.14	ppb
Silver	107-1	15.42	15.70	16.11	15.74	2.20	ppb
Silver	109-1	15.29	15.48	15.99	15.59	2.32	ppb
Sodium	23-2	786.15	787.71	782.64	785.50	0.33	ppb
Strontium	86-1	150.28	152.36	153.27	151.97	1.01	ppb
Strontium	88-1	159.19	161.49	158.83	159.84	0.90	ppb
Sulfur	34-1	-764.52	-669.31	-672.94	-702.25		ppb
Terbium	159-1				109		%
Terbium	159-2				105		%
Thallium	203-1	0.37	0.35	0.37	0.36	1.96	ppb
Thallium	205-1	0.35	0.35	0.37	0.36	2.46	ppb
Tin	118-1	114.50	116.21	120.90	117.20	2.83	ppb
Titanium	47-1	2239.55	2284.78	2318.64	2280.99	1.74	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-22	Instrumnet Name :	P7
Client Sample ID :	MYDBF3	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:02:13	DataFile Name :	109SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.47	1.50	1.49	1.49	0.81	ppb
Vanadium	51-2	136.17	135.94	135.39	135.83	0.29	ppb
Yttrium	89-1				111		%
Yttrium	89-2				107		%
Zinc	66-2	6355.96	6423.53	6219.23	6332.91	1.64	ppb
Zirconium	90-1	56.73	57.33	57.66	57.24	0.83	ppb
Zirconium	91-1	56.37	57.21	57.73	57.11	1.20	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-01	Instrumnet Name :	P7
Client Sample ID :	MYDBF4	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:05:14	DataFile Name :	110SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	98026.53	98779.71	98322.25	98376.16	0.39	ppb
Antimony	121-1	2.26	2.29	2.32	2.29	1.44	ppb
Arsenic	75-2	109.81	110.69	113.14	111.21	1.55	ppb
Barium	135-1	3679.00	3616.58	3703.26	3666.28	1.22	ppb
Barium	137-1	3645.31	3643.64	3726.47	3671.81	1.29	ppb
Beryllium	9-1	5.07	5.13	5.18	5.12	1.02	ppb
Bismuth	209-1				108		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.55	10.52	12.26	10.77	12.78	ppb
Cadmium	106-1	14.53	13.77	14.64	14.31	3.31	ppb
Cadmium	111-1	5.63	5.55	5.75	5.64	1.80	ppb
Calcium	43-1	48240.43	49175.85	49539.97	48985.41	1.37	ppb
Calcium	44-1	47276.32	46842.02	47393.04	47170.46	0.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	203.01	203.88	203.58	203.49	0.22	ppb
Cobalt	59-2	61.95	61.81	62.06	61.94	0.20	ppb
Copper	63-2	893.00	871.63	882.01	882.21	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				109		%
Holmium	165-2				104		%
Indium	115-1				106		%
Indium	115-2				99		%
Iron	56-2	100304.59	100535.80	100774.08	100538.16	0.23	ppb
Iron	57-2	99264.87	98543.99	99297.24	99035.36	0.43	ppb
Iron	54-2	100640.85	100510.74	100027.48	100393.03	0.32	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-01	Instrumnet Name :	P7
Client Sample ID :	MYDBF4	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:05:14	DataFile Name :	110SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	180.61	190.12	190.17	186.97	2.94	ppb
Lead	207-1	177.07	184.40	186.44	182.64	2.70	ppb
Lead	208-1	177.83	186.43	186.16	183.47	2.66	ppb
Lithium	6-1				81		%
Magnesium	24-2	31508.32	31549.76	31373.33	31477.14	0.29	ppb
Manganese	55-2	2191.47	2231.41	2222.75	2215.21	0.95	ppb
Molybdenum	94-1	127.43	131.03	132.77	130.41	2.09	ppb
Molybdenum	95-1	1.11	1.16	1.18	1.15	3.06	ppb
Molybdenum	96-1	14.76	15.30	15.49	15.18	2.48	ppb
Molybdenum	97-1	1.06	1.21	1.21	1.16	7.52	ppb
Molybdenum	98-1	1.11	1.18	1.18	1.16	3.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	302.92	306.49	305.22	304.87	0.59	ppb
Phosphorus	31-2	5560.38	5561.79	5580.83	5567.67	0.21	ppb
Potassium	39-2	6981.37	6986.94	6975.89	6981.40	0.08	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				112		%
Scandium	45-2				112		%
Selenium	82-1	1.87	1.07	2.53	1.82	39.86	ppb
Selenium	77-2	36.91	32.87	43.83	37.87	14.64	ppb
Selenium	78-2	8.40	6.96	7.10	7.49	10.60	ppb
Silicon	28-1	1845.69	1850.18	1868.39	1854.75	0.65	ppb
Silver	107-1	2.23	2.29	2.29	2.27	1.55	ppb
Silver	109-1	2.21	2.21	2.18	2.20	0.73	ppb
Sodium	23-2	644.46	646.77	653.78	648.34	0.75	ppb
Strontium	86-1	466.71	478.01	485.17	476.63	1.95	ppb
Strontium	88-1	483.94	501.60	503.59	496.38	2.18	ppb
Sulfur	34-1	-3157.27	-3106.29	-3015.22	-3092.93		ppb
Terbium	159-1				110		%
Terbium	159-2				105		%
Thallium	203-1	0.40	0.43	0.45	0.43	5.23	ppb
Thallium	205-1	0.41	0.43	0.43	0.42	2.56	ppb
Tin	118-1	7.00	7.17	7.26	7.14	1.86	ppb
Titanium	47-1	2459.76	2423.18	2447.00	2443.32	0.76	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-01	Instrumnet Name :	P7
Client Sample ID :	MYDBF4	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:05:14	DataFile Name :	110SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.37	2.46	2.42	2.41	1.85	ppb
Vanadium	51-2	203.03	204.03	203.55	203.53	0.25	ppb
Yttrium	89-1				118		%
Yttrium	89-2				115		%
Zinc	66-2	612.75	617.31	616.30	615.45	0.39	ppb
Zirconium	90-1	77.19	79.48	79.98	78.89	1.88	ppb
Zirconium	91-1	77.11	78.62	79.89	78.54	1.77	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02	Instrumnet Name :	P7
Client Sample ID :	MYDBF5	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:08:17	DataFile Name :	111SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	81157.19	80636.57	81353.50	81049.09	0.46	ppb
Antimony	121-1	2.83	2.85	2.89	2.86	1.08	ppb
Arsenic	75-2	190.73	193.49	191.08	191.77	0.78	ppb
Barium	135-1	1561.60	1630.47	1626.96	1606.34	2.41	ppb
Barium	137-1	1578.44	1611.48	1609.81	1599.91	1.16	ppb
Beryllium	9-1	5.18	4.98	4.98	5.05	2.33	ppb
Bismuth	209-1				109		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	12.79	13.43	13.58	13.27	3.18	ppb
Cadmium	106-1	15.29	15.93	16.17	15.80	2.86	ppb
Cadmium	111-1	10.79	11.27	11.01	11.02	2.19	ppb
Calcium	43-1	29639.68	30201.40	30606.78	30149.29	1.61	ppb
Calcium	44-1	28758.95	28713.91	28956.68	28809.84	0.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	180.85	183.17	183.07	182.36	0.72	ppb
Cobalt	59-2	48.85	49.04	49.24	49.04	0.40	ppb
Copper	63-2	1790.38	1821.00	1830.11	1813.83	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				108		%
Holmium	165-2				102		%
Indium	115-1				105		%
Indium	115-2				99		%
Iron	56-2	83547.46	84364.66	85352.87	84421.67	1.07	ppb
Iron	57-2	83754.00	83641.08	83162.17	83519.08	0.38	ppb
Iron	54-2	83226.32	83515.77	85631.56	84124.55	1.56	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02	Instrumnet Name :	P7
Client Sample ID :	MYDBF5	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:08:17	DataFile Name :	111SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	339.01	346.71	346.82	344.18	1.30	ppb
Lead	207-1	330.56	343.83	344.75	339.71	2.34	ppb
Lead	208-1	360.05	369.70	369.76	366.50	1.52	ppb
Lithium	6-1				77		%
Magnesium	24-2	22829.43	22607.68	22906.64	22781.25	0.68	ppb
Manganese	55-2	2024.63	2046.64	2072.10	2047.79	1.16	ppb
Molybdenum	94-1	77.98	81.95	81.31	80.42	2.65	ppb
Molybdenum	95-1	1.40	1.42	1.40	1.40	0.93	ppb
Molybdenum	96-1	9.80	10.25	10.32	10.13	2.79	ppb
Molybdenum	97-1	1.41	1.51	1.50	1.47	3.58	ppb
Molybdenum	98-1	1.34	1.43	1.30	1.36	4.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	213.11	213.16	214.22	213.50	0.29	ppb
Phosphorus	31-2	3636.18	3583.99	3678.13	3632.77	1.30	ppb
Potassium	39-2	6689.01	6703.46	6635.15	6675.87	0.54	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				108		%
Scandium	45-2				108		%
Selenium	82-1	2.31	3.57	3.41	3.09	22.23	ppb
Selenium	77-2	35.87	38.34	29.74	34.65	12.78	ppb
Selenium	78-2	6.91	8.93	7.39	7.74	13.61	ppb
Silicon	28-1	2535.43	2580.06	2655.69	2590.39	2.35	ppb
Silver	107-1	4.24	4.29	4.31	4.28	0.85	ppb
Silver	109-1	4.16	4.21	4.21	4.19	0.73	ppb
Sodium	23-2	390.08	399.90	405.11	398.36	1.92	ppb
Strontium	86-1	230.98	240.92	238.75	236.88	2.21	ppb
Strontium	88-1	243.23	252.44	249.19	248.28	1.88	ppb
Sulfur	34-1	-2897.21	-3056.52	-3024.46	-2992.73		ppb
Terbium	159-1				107		%
Terbium	159-2				103		%
Thallium	203-1	0.43	0.42	0.43	0.42	1.22	ppb
Thallium	205-1	0.43	0.44	0.44	0.43	0.94	ppb
Tin	118-1	22.86	23.47	23.30	23.21	1.36	ppb
Titanium	47-1	1684.30	1714.27	1705.99	1701.52	0.91	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02	Instrumnet Name :	P7
Client Sample ID :	MYDBF5	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:08:17	DataFile Name :	111SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.56	1.55	1.58	1.56	0.87	ppb
Vanadium	51-2	154.63	156.72	158.10	156.48	1.12	ppb
Yttrium	89-1				113		%
Yttrium	89-2				110		%
Zinc	66-2	1228.69	1229.46	1235.48	1231.21	0.30	ppb
Zirconium	90-1	46.56	47.95	48.55	47.69	2.15	ppb
Zirconium	91-1	46.08	48.23	48.34	47.55	2.67	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-03	Instrumnet Name :	P7
Client Sample ID :	MYDBF5D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:11:20	DataFile Name :	112SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	81655.82	81689.72	81570.92	81638.82	0.07	ppb
Antimony	121-1	2.88	2.78	2.98	2.88	3.47	ppb
Arsenic	75-2	189.85	187.54	188.34	188.58	0.62	ppb
Barium	135-1	1577.29	1547.85	1591.97	1572.37	1.43	ppb
Barium	137-1	1570.25	1527.95	1606.09	1568.09	2.49	ppb
Beryllium	9-1	4.72	4.76	5.06	4.85	3.87	ppb
Bismuth	209-1				110		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	12.29	13.01	14.75	13.35	9.50	ppb
Cadmium	106-1	15.55	15.06	13.89	14.83	5.75	ppb
Cadmium	111-1	10.74	10.72	11.09	10.85	1.90	ppb
Calcium	43-1	29746.12	30487.87	30698.95	30310.98	1.65	ppb
Calcium	44-1	28622.23	29782.29	29479.66	29294.73	2.05	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	183.92	180.65	182.07	182.21	0.90	ppb
Cobalt	59-2	49.49	49.39	49.25	49.38	0.24	ppb
Copper	63-2	1804.34	1786.75	1791.43	1794.17	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				107		%
Holmium	165-2				105		%
Indium	115-1				104		%
Indium	115-2				99		%
Iron	56-2	86697.19	84812.70	85266.99	85592.30	1.15	ppb
Iron	57-2	85561.14	84935.21	84643.56	85046.64	0.55	ppb
Iron	54-2	85712.18	84402.55	86006.26	85373.66	1.00	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-03	Instrumnet Name :	P7
Client Sample ID :	MYDBF5D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:11:20	DataFile Name :	112SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	339.76	334.46	348.34	340.86	2.05	ppb
Lead	207-1	334.71	330.72	343.20	336.21	1.90	ppb
Lead	208-1	364.18	357.87	374.04	365.36	2.23	ppb
Lithium	6-1				78		%
Magnesium	24-2	23005.09	22983.61	22694.54	22894.41	0.76	ppb
Manganese	55-2	2039.09	2015.71	2008.00	2020.93	0.80	ppb
Molybdenum	94-1	80.72	82.40	85.40	82.84	2.86	ppb
Molybdenum	95-1	1.38	1.37	1.49	1.41	4.54	ppb
Molybdenum	96-1	10.01	10.25	10.74	10.33	3.57	ppb
Molybdenum	97-1	1.39	1.33	1.34	1.35	2.24	ppb
Molybdenum	98-1	1.31	1.34	1.46	1.37	5.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	214.23	211.98	212.90	213.03	0.53	ppb
Phosphorus	31-2	3606.68	3609.84	3550.33	3588.95	0.93	ppb
Potassium	39-2	6711.48	6600.82	6650.41	6654.24	0.83	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				106		%
Scandium	45-2				109		%
Selenium	82-1	3.81	3.14	4.81	3.92	21.50	ppb
Selenium	77-2	30.68	29.07	28.45	29.40	3.91	ppb
Selenium	78-2	4.70	7.85	8.39	6.98	28.49	ppb
Silicon	28-1	2580.18	2648.29	2668.72	2632.40	1.76	ppb
Silver	107-1	4.15	4.14	4.32	4.20	2.35	ppb
Silver	109-1	4.08	4.13	4.31	4.17	2.81	ppb
Sodium	23-2	396.80	393.22	397.55	395.86	0.59	ppb
Strontium	86-1	232.16	235.34	242.55	236.68	2.25	ppb
Strontium	88-1	243.12	245.04	253.59	247.25	2.25	ppb
Sulfur	34-1	-2943.14	-3026.38	-3141.31	-3036.94		ppb
Terbium	159-1				108		%
Terbium	159-2				104		%
Thallium	203-1	0.41	0.43	0.42	0.42	2.68	ppb
Thallium	205-1	0.44	0.43	0.48	0.45	5.81	ppb
Tin	118-1	27.06	27.23	28.23	27.51	2.30	ppb
Titanium	47-1	1717.89	1763.56	1767.61	1749.69	1.58	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-03	Instrumnet Name :	P7
Client Sample ID :	MYDBF5D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:11:20	DataFile Name :	112SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.54	1.50	1.57	1.54	2.24	ppb
Vanadium	51-2	156.33	154.30	157.88	156.17	1.15	ppb
Yttrium	89-1				113		%
Yttrium	89-2				110		%
Zinc	66-2	1224.91	1226.56	1228.26	1226.58	0.14	ppb
Zirconium	90-1	47.59	48.64	50.47	48.90	2.98	ppb
Zirconium	91-1	47.58	48.82	50.04	48.81	2.52	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02LX5	Instrumnet Name :	P7
Client Sample ID :	MYDBF5L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 00:14:22	DataFile Name :	113SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16366.00	16613.64	16214.22	16397.95	1.23	ppb
Antimony	121-1	0.54	0.57	0.61	0.57	5.83	ppb
Arsenic	75-2	38.14	38.65	39.45	38.75	1.70	ppb
Barium	135-1	273.71	278.83	280.60	277.71	1.29	ppb
Barium	137-1	275.16	279.45	281.70	278.77	1.19	ppb
Beryllium	9-1	0.90	0.95	0.94	0.93	2.47	ppb
Bismuth	209-1				110		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.43	2.51	2.95	2.63	10.48	ppb
Cadmium	106-1	2.89	3.67	2.06	2.87	27.94	ppb
Cadmium	111-1	2.11	2.25	1.94	2.10	7.29	ppb
Calcium	43-1	5748.87	6025.63	6117.61	5964.03	3.22	ppb
Calcium	44-1	5736.48	5825.92	5825.38	5795.93	0.89	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36.74	36.35	36.27	36.45	0.70	ppb
Cobalt	59-2	9.95	9.98	10.00	9.98	0.25	ppb
Copper	63-2	356.30	351.36	352.75	353.47	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				109		%
Holmium	165-2				105		%
Indium	115-1				108		%
Indium	115-2				102		%
Iron	56-2	17239.81	17142.38	17123.44	17168.54	0.36	ppb
Iron	57-2	17305.01	17069.80	16987.03	17120.61	0.96	ppb
Iron	54-2	17125.08	17376.28	17239.50	17246.96	0.73	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02LX5	Instrumnet Name :	P7
Client Sample ID :	MYDBF5L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 00:14:22	DataFile Name :	113SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	65.41	68.24	66.79	66.82	2.12	ppb
Lead	207-1	64.40	67.32	66.22	65.98	2.23	ppb
Lead	208-1	64.08	66.84	65.88	65.60	2.13	ppb
Lithium	6-1				78		%
Magnesium	24-2	4679.43	4627.95	4629.63	4645.67	0.63	ppb
Manganese	55-2	416.45	410.20	412.02	412.89	0.78	ppb
Molybdenum	94-1	16.05	16.64	15.87	16.19	2.51	ppb
Molybdenum	95-1	0.33	0.31	0.31	0.32	3.92	ppb
Molybdenum	96-1	2.04	2.10	2.07	2.07	1.43	ppb
Molybdenum	97-1	0.32	0.26	0.29	0.29	9.99	ppb
Molybdenum	98-1	0.27	0.31	0.30	0.29	7.20	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	44.17	43.61	44.39	44.06	0.91	ppb
Phosphorus	31-2	689.17	723.19	740.58	717.65	3.64	ppb
Potassium	39-2	1404.61	1387.45	1374.27	1388.77	1.10	ppb
Rhodium	103-1				105		%
Rhodium	103-2				105		%
Scandium	45-1				106		%
Scandium	45-2				104		%
Selenium	82-1	0.42	1.24	0.71	0.79	52.08	ppb
Selenium	77-2	7.52	7.50	4.80	6.61	23.68	ppb
Selenium	78-2	0.68	0.55	0.02	0.42	84.33	ppb
Silicon	28-1	484.97	505.23	516.01	502.07	3.14	ppb
Silver	107-1	0.82	0.81	0.84	0.82	1.91	ppb
Silver	109-1	0.79	0.80	0.81	0.80	1.40	ppb
Sodium	23-2	114.04	111.26	108.40	111.23	2.54	ppb
Strontium	86-1	47.31	48.88	48.44	48.21	1.67	ppb
Strontium	88-1	47.76	48.96	48.09	48.27	1.28	ppb
Sulfur	34-1	-3653.04	-3490.98	-3417.37	-3520.46		ppb
Terbium	159-1				109		%
Terbium	159-2				107		%
Thallium	203-1	0.09	0.07	0.07	0.07	13.34	ppb
Thallium	205-1	0.08	0.08	0.08	0.08	3.70	ppb
Tin	118-1	4.66	4.74	4.71	4.70	0.82	ppb
Titanium	47-1	320.44	333.38	335.11	329.64	2.43	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02LX5	Instrumnet Name :	P7
Client Sample ID :	MYDBF5L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 00:14:22	DataFile Name :	113SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.28	0.29	0.29	0.29	1.68	ppb
Vanadium	51-2	31.61	31.00	31.18	31.26	1.00	ppb
Yttrium	89-1				108		%
Yttrium	89-2				106		%
Zinc	66-2	254.39	251.90	254.55	253.61	0.59	ppb
Zirconium	90-1	9.50	9.72	9.53	9.58	1.25	ppb
Zirconium	91-1	9.24	9.75	9.64	9.55	2.82	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-04	Instrumnet Name :	P7
Client Sample ID :	MYDBF5S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:17:34	DataFile Name :	114SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	81850.70	82721.73	82815.54	82462.66	0.65	ppb
Antimony	121-1	75.00	74.33	74.81	74.71	0.46	ppb
Arsenic	75-2	218.33	220.37	222.46	220.39	0.94	ppb
Barium	135-1	2914.73	2902.59	2959.49	2925.60	1.02	ppb
Barium	137-1	2954.43	2918.53	2976.98	2949.98	1.00	ppb
Beryllium	9-1	42.99	44.81	45.07	44.29	2.56	ppb
Bismuth	209-1				112		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	49.14	45.17	46.17	46.83	4.41	ppb
Cadmium	106-1	50.82	52.89	50.73	51.48	2.38	ppb
Cadmium	111-1	48.76	48.70	48.75	48.74	0.07	ppb
Calcium	43-1	30000.75	29749.69	30166.43	29972.29	0.70	ppb
Calcium	44-1	29007.06	28796.42	29073.28	28958.92	0.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	313.48	316.96	315.21	315.22	0.55	ppb
Cobalt	59-2	391.68	389.54	398.35	393.19	1.17	ppb
Copper	63-2	1957.95	1998.84	1950.02	1968.94	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				108		%
Holmium	165-2				106		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	56-2	85677.26	86401.51	86524.21	86201.00	0.53	ppb
Iron	57-2	85480.16	85096.31	85385.47	85320.64	0.23	ppb
Iron	54-2	84408.97	86077.04	85894.90	85460.30	1.07	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-04	Instrumnet Name :	P7
Client Sample ID :	MYDBF5S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:17:34	DataFile Name :	114SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	351.47	349.02	350.10	350.20	0.35	ppb
Lead	207-1	349.46	346.33	344.69	346.83	0.70	ppb
Lead	208-1	378.05	371.77	374.33	374.72	0.84	ppb
Lithium	6-1				80		%
Magnesium	24-2	22616.48	22900.19	22760.49	22759.05	0.62	ppb
Manganese	55-2	2356.02	2380.21	2374.49	2370.24	0.53	ppb
Molybdenum	94-1	79.78	80.73	81.31	80.61	0.96	ppb
Molybdenum	95-1	1.50	1.45	1.45	1.47	1.95	ppb
Molybdenum	96-1	10.10	10.14	10.19	10.14	0.46	ppb
Molybdenum	97-1	1.48	1.42	1.41	1.44	2.64	ppb
Molybdenum	98-1	1.46	1.40	1.51	1.46	3.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	553.56	561.41	554.35	556.44	0.78	ppb
Phosphorus	31-2	3583.95	3643.88	3666.45	3631.43	1.17	ppb
Potassium	39-2	6529.69	6646.68	6480.87	6552.41	1.30	ppb
Rhodium	103-1				102		%
Rhodium	103-2				104		%
Scandium	45-1				110		%
Scandium	45-2				110		%
Selenium	82-1	61.65	63.75	62.04	62.48	1.78	ppb
Selenium	77-2	83.95	88.15	84.23	85.44	2.75	ppb
Selenium	78-2	64.83	63.21	70.43	66.16	5.73	ppb
Silicon	28-1	2474.27	2470.92	2447.91	2464.37	0.58	ppb
Silver	107-1	32.61	32.51	32.85	32.66	0.54	ppb
Silver	109-1	32.13	32.50	32.63	32.42	0.80	ppb
Sodium	23-2	372.75	374.68	377.86	375.10	0.69	ppb
Strontium	86-1	235.81	236.03	239.35	237.06	0.84	ppb
Strontium	88-1	248.34	246.26	253.32	249.30	1.46	ppb
Sulfur	34-1	-2755.05	-2947.91	-2904.83	-2869.26		ppb
Terbium	159-1				109		%
Terbium	159-2				105		%
Thallium	203-1	31.73	31.51	31.67	31.64	0.35	ppb
Thallium	205-1	31.34	31.30	31.57	31.40	0.46	ppb
Tin	118-1	24.36	24.56	24.41	24.44	0.43	ppb
Titanium	47-1	1699.13	1673.06	1719.62	1697.27	1.37	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-04	Instrumnet Name :	P7
Client Sample ID :	MYDBF5S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:17:34	DataFile Name :	114SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.52	1.54	1.51	1.52	1.04	ppb
Vanadium	51-2	484.99	490.82	486.11	487.31	0.64	ppb
Yttrium	89-1				115		%
Yttrium	89-2				111		%
Zinc	66-2	1543.39	1560.41	1547.33	1550.38	0.57	ppb
Zirconium	90-1	47.62	47.89	48.58	48.03	1.04	ppb
Zirconium	91-1	47.88	48.90	48.31	48.36	1.06	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02MS	Instrumnet Name :	P7
Client Sample ID :	MYDBF5SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:20:34	DataFile Name :	115SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	84018.01	83082.16	83859.04	83653.07	0.60	ppb
Antimony	121-1	295.47	298.76	316.36	303.53	3.70	ppb
Arsenic	75-2	289.03	284.72	292.69	288.81	1.38	ppb
Barium	135-1	7246.98	7380.95	7734.38	7454.11	3.38	ppb
Barium	137-1	7304.45	7529.06	7913.59	7582.36	4.06	ppb
Beryllium	9-1	172.96	173.59	179.68	175.41	2.12	ppb
Bismuth	209-1				111		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	148.91	147.14	153.78	149.94	2.29	ppb
Cadmium	106-1	142.57	143.95	154.80	147.11	4.56	ppb
Cadmium	111-1	155.48	157.78	166.24	159.83	3.54	ppb
Calcium	43-1	29110.51	29878.78	31137.11	30042.13	3.41	ppb
Calcium	44-1	28175.16	29001.54	29590.95	28922.55	2.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	750.83	758.44	777.29	762.19	1.79	ppb
Cobalt	59-2	1494.10	1488.89	1498.84	1493.94	0.33	ppb
Copper	63-2	2469.83	2416.19	2466.16	2450.73	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				108		%
Holmium	165-2				106		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	56-2	84776.96	85584.22	86552.89	85638.02	1.04	ppb
Iron	57-2	83953.27	84667.30	85245.96	84622.18	0.77	ppb
Iron	54-2	86393.42	86055.11	86282.41	86243.64	0.20	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02MS	Instrumnet Name :	P7
Client Sample ID :	MYDBF5SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:20:34	DataFile Name :	115SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	377.28	386.97	402.42	388.89	3.26	ppb
Lead	207-1	373.89	379.02	395.84	382.92	3.00	ppb
Lead	208-1	405.48	411.35	431.62	416.15	3.30	ppb
Lithium	6-1				80		%
Magnesium	24-2	21848.69	22085.28	22287.07	22073.68	0.99	ppb
Manganese	55-2	3379.86	3388.38	3399.22	3389.16	0.29	ppb
Molybdenum	94-1	78.58	78.68	83.06	80.11	3.20	ppb
Molybdenum	95-1	1.42	1.54	1.55	1.50	4.62	ppb
Molybdenum	96-1	10.04	10.06	10.47	10.19	2.39	ppb
Molybdenum	97-1	1.47	1.43	1.44	1.44	1.48	ppb
Molybdenum	98-1	1.50	1.49	1.50	1.50	0.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1734.97	1744.03	1750.37	1743.13	0.44	ppb
Phosphorus	31-2	3470.35	3431.67	3528.65	3476.89	1.40	ppb
Potassium	39-2	6334.73	6411.03	6431.62	6392.46	0.80	ppb
Rhodium	103-1				101		%
Rhodium	103-2				103		%
Scandium	45-1				107		%
Scandium	45-2				110		%
Selenium	82-1	305.95	304.67	318.53	309.72	2.47	ppb
Selenium	77-2	329.72	326.04	315.96	323.90	2.20	ppb
Selenium	78-2	301.67	299.23	300.04	300.31	0.41	ppb
Silicon	28-1	2413.28	2421.78	2519.27	2451.44	2.40	ppb
Silver	107-1	115.34	115.23	122.06	117.54	3.33	ppb
Silver	109-1	114.40	115.34	125.84	118.53	5.36	ppb
Sodium	23-2	365.28	370.42	376.08	370.59	1.46	ppb
Strontium	86-1	231.84	234.60	244.64	237.02	2.84	ppb
Strontium	88-1	241.14	242.27	257.54	246.98	3.71	ppb
Sulfur	34-1	-2749.39	-2885.70	-2646.68	-2760.59		ppb
Terbium	159-1				108		%
Terbium	159-2				106		%
Thallium	203-1	121.88	120.93	127.75	123.52	2.99	ppb
Thallium	205-1	120.40	122.61	127.47	123.49	2.93	ppb
Tin	118-1	22.82	23.38	25.06	23.75	4.92	ppb
Titanium	47-1	1636.04	1678.78	1729.87	1681.56	2.79	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02MS	Instrumnet Name :	P7
Client Sample ID :	MYDBF5SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:20:34	DataFile Name :	115SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.47	1.48	1.59	1.51	4.23	ppb
Vanadium	51-2	1566.00	1572.62	1572.49	1570.37	0.24	ppb
Yttrium	89-1				113		%
Yttrium	89-2				113		%
Zinc	66-2	2566.24	2580.89	2594.33	2580.49	0.54	ppb
Zirconium	90-1	46.80	47.03	49.22	47.68	2.79	ppb
Zirconium	91-1	46.99	47.74	49.88	48.20	3.11	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:23:33	DataFile Name :	116SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18946.24	19294.63	19176.67	19139.18	0.93	ppb
Antimony	121-1	2.08	2.23	2.21	2.17	3.82	ppb
Arsenic	75-2	81.68	81.43	81.81	81.64	0.23	ppb
Barium	135-1	299.31	302.99	306.71	303.00	1.22	ppb
Barium	137-1	299.00	301.80	305.12	301.97	1.01	ppb
Beryllium	9-1	1.13	0.97	1.16	1.09	9.54	ppb
Bismuth	209-1				108		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	5.57	5.03	5.85	5.48	7.62	ppb
Cadmium	106-1	5.64	5.26	5.06	5.32	5.51	ppb
Cadmium	111-1	4.81	4.98	4.83	4.87	1.91	ppb
Calcium	43-1	5733.27	5696.86	5773.61	5734.58	0.67	ppb
Calcium	44-1	5543.60	5482.57	5577.18	5534.45	0.87	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	53.53	54.24	53.95	53.91	0.66	ppb
Cobalt	59-2	15.34	15.55	15.53	15.47	0.76	ppb
Copper	63-2	896.77	904.75	907.09	902.87	0.60	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				107		%
Holmium	165-2				103		%
Indium	115-1				105		%
Indium	115-2				100		%
Iron	56-2	20292.24	20477.32	20350.77	20373.45	0.46	ppb
Iron	57-2	20423.36	20657.86	20488.80	20523.34	0.59	ppb
Iron	54-2	20387.33	21309.31	20402.74	20699.79	2.55	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:23:33	DataFile Name :	116SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	163.86	168.92	168.64	167.14	1.70	ppb
Lead	207-1	164.18	167.69	164.46	165.44	1.18	ppb
Lead	208-1	162.46	165.89	165.60	164.65	1.16	ppb
Lithium	6-1				79		%
Magnesium	24-2	5532.11	5485.60	5450.89	5489.53	0.74	ppb
Manganese	55-2	515.92	523.69	521.41	520.34	0.77	ppb
Molybdenum	94-1	20.93	21.27	21.79	21.33	2.02	ppb
Molybdenum	95-1	0.62	0.66	0.66	0.65	3.53	ppb
Molybdenum	96-1	2.82	3.01	3.03	2.95	3.98	ppb
Molybdenum	97-1	0.63	0.65	0.70	0.66	5.57	ppb
Molybdenum	98-1	0.67	0.68	0.64	0.66	2.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	60.27	61.06	60.03	60.46	0.89	ppb
Phosphorus	31-2	1313.90	1285.63	1318.98	1306.17	1.38	ppb
Potassium	39-2	1844.88	1853.05	1858.48	1852.14	0.37	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	82-1	1.02	1.63	1.43	1.36	22.83	ppb
Selenium	77-2	6.68	8.38	6.04	7.03	17.20	ppb
Selenium	78-2	0.49	2.65	3.57	2.24	70.77	ppb
Silicon	28-1	655.93	646.62	653.85	652.13	0.75	ppb
Silver	107-1	2.22	2.19	2.20	2.20	0.71	ppb
Silver	109-1	2.20	2.20	2.20	2.20	0.07	ppb
Sodium	23-2	244.95	246.53	250.30	247.26	1.11	ppb
Strontium	86-1	76.41	77.89	79.55	77.95	2.01	ppb
Strontium	88-1	76.28	80.58	82.06	79.64	3.77	ppb
Sulfur	34-1	-3061.10	-3145.51	-3153.47	-3120.03		ppb
Terbium	159-1				108		%
Terbium	159-2				103		%
Thallium	203-1	0.14	0.15	0.14	0.14	4.12	ppb
Thallium	205-1	0.16	0.15	0.15	0.15	3.58	ppb
Tin	118-1	5.44	5.53	5.56	5.51	1.21	ppb
Titanium	47-1	495.86	498.13	505.85	499.95	1.05	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:23:33	DataFile Name :	116SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.46	0.47	0.49	0.48	3.44	ppb
Vanadium	51-2	36.01	36.78	36.41	36.40	1.06	ppb
Yttrium	89-1				106		%
Yttrium	89-2				103		%
Zinc	66-2	541.49	554.41	547.89	547.93	1.18	ppb
Zirconium	90-1	12.45	12.59	13.02	12.69	2.34	ppb
Zirconium	91-1	12.60	12.57	12.79	12.65	0.92	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-14DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:26:48	DataFile Name :	117SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18778.04	18893.76	18873.36	18848.39	0.33	ppb
Antimony	121-1	2.07	2.04	2.10	2.07	1.58	ppb
Arsenic	75-2	79.14	79.99	81.25	80.13	1.32	ppb
Barium	135-1	297.94	299.66	297.90	298.50	0.34	ppb
Barium	137-1	296.08	299.92	297.76	297.92	0.65	ppb
Beryllium	9-1	1.04	0.81	1.08	0.98	15.21	ppb
Bismuth	209-1				107		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	5.26	5.97	4.95	5.39	9.77	ppb
Cadmium	106-1	4.81	4.29	4.92	4.67	7.17	ppb
Cadmium	111-1	4.66	4.61	4.56	4.61	1.11	ppb
Calcium	43-1	5348.73	5572.06	5712.47	5544.42	3.31	ppb
Calcium	44-1	5251.70	5439.12	5495.61	5395.48	2.37	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	52.86	52.74	53.85	53.15	1.14	ppb
Cobalt	59-2	15.02	15.11	15.34	15.15	1.08	ppb
Copper	63-2	885.36	880.92	910.68	892.32	1.80	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				106		%
Holmium	165-2				103		%
Indium	115-1				104		%
Indium	115-2				99		%
Iron	56-2	20020.04	20024.97	20028.97	20024.66	0.02	ppb
Iron	57-2	20085.34	19996.18	20430.83	20170.78	1.14	ppb
Iron	54-2	20271.11	20329.01	20477.51	20359.21	0.52	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-14DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:26:48	DataFile Name :	117SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	162.87	162.27	169.57	164.90	2.46	ppb
Lead	207-1	161.56	161.93	169.94	164.48	2.88	ppb
Lead	208-1	160.91	162.18	167.73	163.61	2.21	ppb
Lithium	6-1				77		%
Magnesium	24-2	5452.54	5417.33	5524.71	5464.86	1.00	ppb
Manganese	55-2	516.78	512.97	515.44	515.06	0.38	ppb
Molybdenum	94-1	20.76	21.07	21.53	21.12	1.84	ppb
Molybdenum	95-1	0.70	0.64	0.68	0.67	4.15	ppb
Molybdenum	96-1	2.74	2.84	2.92	2.83	3.22	ppb
Molybdenum	97-1	0.69	0.63	0.62	0.65	5.57	ppb
Molybdenum	98-1	0.65	0.66	0.66	0.66	0.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	60.65	60.34	61.18	60.72	0.70	ppb
Phosphorus	31-2	1344.75	1300.29	1322.99	1322.68	1.68	ppb
Potassium	39-2	1810.97	1816.54	1836.21	1821.24	0.73	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	82-1	2.02	2.40	0.85	1.76	45.86	ppb
Selenium	77-2	6.98	6.76	4.69	6.14	20.57	ppb
Selenium	78-2	2.82	2.12	1.14	2.03	41.74	ppb
Silicon	28-1	570.80	599.88	609.34	593.34	3.39	ppb
Silver	107-1	2.12	2.22	2.12	2.15	2.83	ppb
Silver	109-1	2.13	2.18	2.20	2.17	1.53	ppb
Sodium	23-2	261.19	262.25	263.15	262.20	0.38	ppb
Strontium	86-1	77.68	79.17	80.94	79.26	2.06	ppb
Strontium	88-1	80.96	81.51	83.44	81.97	1.59	ppb
Sulfur	34-1	-3344.99	-3285.23	-3078.76	-3236.33		ppb
Terbium	159-1				106		%
Terbium	159-2				102		%
Thallium	203-1	0.10	0.11	0.13	0.11	11.40	ppb
Thallium	205-1	0.12	0.13	0.13	0.13	6.94	ppb
Tin	118-1	5.45	5.51	5.67	5.55	2.06	ppb
Titanium	47-1	466.96	479.66	500.87	482.50	3.55	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-14DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:26:48	DataFile Name :	117SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.47	0.45	0.49	0.47	4.14	ppb
Vanadium	51-2	35.49	35.22	35.50	35.40	0.44	ppb
Yttrium	89-1				105		%
Yttrium	89-2				102		%
Zinc	66-2	515.85	520.41	529.28	521.85	1.31	ppb
Zirconium	90-1	11.99	12.18	12.55	12.24	2.33	ppb
Zirconium	91-1	11.93	12.26	12.42	12.20	2.04	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBE6L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 00:29:58	DataFile Name :	118SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3824.85	3834.71	3818.60	3826.05	0.21	ppb
Antimony	121-1	0.43	0.47	0.44	0.45	5.06	ppb
Arsenic	75-2	16.75	16.45	16.51	16.57	0.95	ppb
Barium	135-1	58.20	60.63	60.20	59.68	2.17	ppb
Barium	137-1	58.39	60.13	59.95	59.49	1.61	ppb
Beryllium	9-1	0.18	0.24	0.20	0.21	15.27	ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.97	0.78	1.24	1.00	23.18	ppb
Cadmium	106-1	0.16	0.07	0.80	0.34	115.82	ppb
Cadmium	111-1	0.93	0.96	0.97	0.95	2.23	ppb
Calcium	43-1	1116.83	1120.82	1125.56	1121.07	0.39	ppb
Calcium	44-1	1117.58	1127.76	1135.12	1126.82	0.78	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	10.73	10.74	10.89	10.79	0.82	ppb
Cobalt	59-2	3.15	3.16	3.03	3.11	2.22	ppb
Copper	63-2	172.30	170.68	170.34	171.11	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				105		%
Holmium	165-2				102		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	56-2	4129.49	4107.50	4055.97	4097.65	0.92	ppb
Iron	57-2	4130.28	4102.54	4078.44	4103.75	0.63	ppb
Iron	54-2	4209.03	4157.35	4172.67	4179.68	0.64	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBE6L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 00:29:58	DataFile Name :	118SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	33.26	33.64	33.40	33.43	0.57	ppb
Lead	207-1	33.11	33.39	33.02	33.17	0.59	ppb
Lead	208-1	33.00	33.59	32.76	33.12	1.29	ppb
Lithium	6-1				76		%
Magnesium	24-2	1103.17	1100.38	1093.95	1099.16	0.43	ppb
Manganese	55-2	104.60	104.42	103.68	104.24	0.47	ppb
Molybdenum	94-1	4.02	4.18	4.19	4.13	2.33	ppb
Molybdenum	95-1	0.13	0.15	0.13	0.14	9.64	ppb
Molybdenum	96-1	0.57	0.58	0.63	0.59	5.67	ppb
Molybdenum	97-1	0.10	0.12	0.13	0.12	14.36	ppb
Molybdenum	98-1	0.12	0.11	0.14	0.12	11.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	12.16	12.03	12.13	12.11	0.53	ppb
Phosphorus	31-2	230.84	230.44	267.68	242.99	8.80	ppb
Potassium	39-2	373.70	367.70	366.55	369.31	1.04	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	82-1	0.26	-0.32	0.58	0.18	260.70	ppb
Selenium	77-2	1.85	0.82	2.61	1.76	51.19	ppb
Selenium	78-2	-1.69	0.48	0.64	-0.19		ppb
Silicon	28-1	130.42	129.33	133.59	131.12	1.69	ppb
Silver	107-1	0.41	0.45	0.44	0.43	5.39	ppb
Silver	109-1	0.43	0.45	0.47	0.45	4.87	ppb
Sodium	23-2	65.96	67.79	65.48	66.41	1.84	ppb
Strontium	86-1	15.21	15.71	15.81	15.58	2.04	ppb
Strontium	88-1	14.97	15.63	15.56	15.39	2.35	ppb
Sulfur	34-1	-3312.27	-3488.76	-3322.91	-3374.65		ppb
Terbium	159-1				106		%
Terbium	159-2				103		%
Thallium	203-1	0.02	0.02	0.02	0.02	22.38	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	9.49	ppb
Tin	118-1	1.23	1.15	1.17	1.18	3.68	ppb
Titanium	47-1	99.89	99.70	98.98	99.53	0.48	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBE6L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 00:29:58	DataFile Name :	118SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.09	0.09	0.08	0.09	8.30	ppb
Vanadium	51-2	7.34	7.42	7.23	7.33	1.29	ppb
Yttrium	89-1				105		%
Yttrium	89-2				101		%
Zinc	66-2	105.00	106.57	104.62	105.40	0.98	ppb
Zirconium	90-1	2.43	2.56	2.50	2.50	2.69	ppb
Zirconium	91-1	2.44	2.47	2.49	2.46	1.04	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV033	Instrumnet Name :	P7
Client Sample ID :	CCV033	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:33:14	DataFile Name :	119CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48636.76	48196.03	47999.24	48277.34	0.68	ppb
Antimony	121-1	483.76	487.21	484.91	485.30	0.36	ppb
Arsenic	75-2	522.59	522.02	525.18	523.26	0.32	ppb
Barium	135-1	2446.37	2515.62	2440.61	2467.53	1.69	ppb
Barium	137-1	2464.84	2469.22	2463.28	2465.78	0.12	ppb
Beryllium	9-1	514.19	523.21	507.46	514.95	1.54	ppb
Bismuth	209-1				107		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	496.84	510.26	498.29	501.79	1.47	ppb
Cadmium	106-1	512.97	503.71	504.84	507.17	1.00	ppb
Cadmium	111-1	510.41	509.43	507.68	509.18	0.27	ppb
Calcium	43-1	247152.50	255177.07	257308.85	253212.80	2.12	ppb
Calcium	44-1	242659.19	248735.03	254151.14	248515.12	2.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	485.01	495.85	498.56	493.14	1.45	ppb
Cobalt	59-2	539.81	535.91	536.97	537.56	0.37	ppb
Copper	63-2	5224.17	5191.27	5275.81	5230.42	0.81	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				111		%
Holmium	165-2				108		%
Indium	115-1				104		%
Indium	115-2				99		%
Iron	56-2	126646.58	128956.02	127821.46	127808.02	0.90	ppb
Iron	57-2	126060.74	126706.63	127872.25	126879.88	0.72	ppb
Iron	54-2	128624.30	127821.92	127906.29	128117.50	0.34	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV033	Instrumnet Name :	P7
Client Sample ID :	CCV033	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:33:14	DataFile Name :	119CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2443.39	2493.62	2523.57	2486.86	1.63	ppb
Lead	207-1	2442.77	2490.37	2506.46	2479.87	1.34	ppb
Lead	208-1	2433.93	2509.38	2506.79	2483.37	1.72	ppb
Lithium	6-1				94		%
Magnesium	24-2	241625.50	240671.74	240916.01	241071.08	0.21	ppb
Manganese	55-2	4896.30	4970.99	4890.21	4919.16	0.91	ppb
Molybdenum	94-1	4807.61	4944.63	5019.39	4923.88	2.18	ppb
Molybdenum	95-1	4824.73	4909.90	5014.89	4916.51	1.94	ppb
Molybdenum	96-1	4829.06	4973.98	4991.91	4931.65	1.81	ppb
Molybdenum	97-1	4791.19	4917.03	4962.77	4890.33	1.82	ppb
Molybdenum	98-1	4780.57	4941.23	4999.52	4907.11	2.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	527.55	525.76	525.82	526.38	0.19	ppb
Phosphorus	31-2	9892.14	9664.42	9730.77	9762.45	1.20	ppb
Potassium	39-2	120873.27	121385.14	121698.94	121319.11	0.34	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	511.43	520.12	520.97	517.51	1.02	ppb
Selenium	77-2	518.25	519.32	524.93	520.83	0.69	ppb
Selenium	78-2	520.79	523.36	512.34	518.83	1.11	ppb
Silicon	28-1	2426.47	2441.79	2513.77	2460.68	1.89	ppb
Silver	107-1	505.16	503.49	503.55	504.06	0.19	ppb
Silver	109-1	491.07	515.08	508.01	504.72	2.45	ppb
Sodium	23-2	247405.40	247046.57	247504.82	247318.93	0.10	ppb
Strontium	86-1	12058.16	12090.24	12416.73	12188.38	1.63	ppb
Strontium	88-1	11893.19	12327.34	12224.03	12148.19	1.87	ppb
Sulfur	34-1	8142.58	8303.09	8479.57	8308.41	2.03	ppb
Terbium	159-1				111		%
Terbium	159-2				108		%
Thallium	203-1	487.62	505.56	507.46	500.21	2.19	ppb
Thallium	205-1	483.05	503.77	499.45	495.42	2.21	ppb
Tin	118-1	474.84	471.77	468.11	471.57	0.71	ppb
Titanium	47-1	4877.52	4978.26	4997.79	4951.19	1.30	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV033	Instrumnet Name :	P7
Client Sample ID :	CCV033	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:33:14	DataFile Name :	119CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	488.17	507.99	504.32	500.16	2.11	ppb
Vanadium	51-2	500.88	499.55	502.91	501.11	0.34	ppb
Yttrium	89-1				107		%
Yttrium	89-2				103		%
Zinc	66-2	5225.46	5250.59	5376.78	5284.28	1.53	ppb
Zirconium	90-1	490.31	496.06	502.01	496.13	1.18	ppb
Zirconium	91-1	475.70	488.04	491.30	485.01	1.70	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB033	Instrumnet Name :	P7
Client Sample ID :	CCB033	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:36:01	DataFile Name :	120CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13.60	13.71	14.25	13.85	2.50	ppb
Antimony	121-1	0.34	0.31	0.30	0.32	6.32	ppb
Arsenic	75-2	0.09	0.08	0.12	0.10	25.74	ppb
Barium	135-1	0.30	0.27	0.27	0.28	5.05	ppb
Barium	137-1	0.37	0.34	0.29	0.33	12.30	ppb
Beryllium	9-1	0.01	0.00	0.03	0.01	140.06	ppb
Bismuth	209-1				110		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.03	0.03	0.06	0.04	49.91	ppb
Cadmium	106-1	0.97	-0.12	-0.34	0.17	415.80	ppb
Cadmium	111-1	0.13	0.06	0.02	0.07	79.78	ppb
Calcium	43-1	20.57	12.80	22.37	18.58	27.37	ppb
Calcium	44-1	14.59	12.09	12.80	13.16	9.80	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	0.04	0.00	0.01	162.41	ppb
Cobalt	59-2	0.04	0.03	0.02	0.03	29.52	ppb
Copper	63-2	0.50	0.42	0.51	0.47	10.19	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				108		%
Holmium	165-2				105		%
Indium	115-1				107		%
Indium	115-2				102		%
Iron	56-2	21.29	15.36	14.86	17.17	20.81	ppb
Iron	57-2	14.00	14.33	14.27	14.20	1.27	ppb
Iron	54-2	16.91	13.38	13.69	14.66	13.31	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB033	Instrumnet Name :	P7
Client Sample ID :	CCB033	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:36:01	DataFile Name :	120CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.27	0.25	0.25	0.26	4.89	ppb
Lead	207-1	0.30	0.24	0.22	0.25	16.52	ppb
Lead	208-1	0.29	0.25	0.24	0.26	9.66	ppb
Lithium	6-1				92		%
Magnesium	24-2	11.02	10.95	10.16	10.71	4.47	ppb
Manganese	55-2	0.53	0.46	0.52	0.50	6.90	ppb
Molybdenum	94-1	0.42	0.37	0.30	0.36	17.08	ppb
Molybdenum	95-1	0.35	0.27	0.26	0.29	16.73	ppb
Molybdenum	96-1	0.36	0.31	0.27	0.31	13.30	ppb
Molybdenum	97-1	0.30	0.24	0.28	0.27	10.15	ppb
Molybdenum	98-1	0.36	0.29	0.25	0.30	18.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.04	0.05	0.02	0.04	43.42	ppb
Phosphorus	31-2	-17.67	-11.40	-15.16	-14.74		ppb
Potassium	39-2	8.71	10.36	8.94	9.34	9.61	ppb
Rhodium	103-1				103		%
Rhodium	103-2				104		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	0.79	0.48	-0.09	0.39	113.44	ppb
Selenium	77-2	-0.24	-0.24	0.12	-0.12		ppb
Selenium	78-2	-0.10	-1.26	-0.13	-0.49		ppb
Silicon	28-1	-3.63	-3.72	-2.51	-3.29		ppb
Silver	107-1	0.06	0.04	0.04	0.05	28.21	ppb
Silver	109-1	0.06	0.04	0.04	0.05	16.49	ppb
Sodium	23-2	28.77	27.83	23.70	26.76	10.07	ppb
Strontium	86-1	0.62	0.50	0.36	0.49	26.28	ppb
Strontium	88-1	0.59	0.44	0.36	0.47	24.16	ppb
Sulfur	34-1	-1509.60	-1545.25	-1207.46	-1420.77		ppb
Terbium	159-1				106		%
Terbium	159-2				104		%
Thallium	203-1	0.11	0.07	0.06	0.08	31.05	ppb
Thallium	205-1	0.11	0.08	0.07	0.09	20.57	ppb
Tin	118-1	0.15	0.18	0.16	0.16	11.62	ppb
Titanium	47-1	0.50	0.43	0.41	0.45	10.21	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB033	Instrumnet Name :	P7
Client Sample ID :	CCB033	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:36:01	DataFile Name :	120CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.01	0.01	0.01	35.37	ppb
Vanadium	51-2	0.04	0.06	0.04	0.05	19.55	ppb
Yttrium	89-1				104		%
Yttrium	89-2				101		%
Zinc	66-2	0.89	0.84	0.73	0.82	9.51	ppb
Zirconium	90-1	0.08	0.07	0.06	0.07	16.34	ppb
Zirconium	91-1	0.11	0.06	0.06	0.08	38.69	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-15DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:39:17	DataFile Name :	121SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19715.80	19571.23	19788.46	19691.83	0.56	ppb
Antimony	121-1	18.86	19.20	19.41	19.16	1.45	ppb
Arsenic	75-2	91.41	91.80	86.42	89.88	3.34	ppb
Barium	135-1	599.80	610.12	623.26	611.06	1.92	ppb
Barium	137-1	669.60	682.43	684.57	678.86	1.19	ppb
Beryllium	9-1	10.75	11.03	10.71	10.83	1.61	ppb
Bismuth	209-1				111		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	13.02	13.97	12.52	13.17	5.61	ppb
Cadmium	106-1	12.67	12.98	12.74	12.79	1.26	ppb
Cadmium	111-1	13.32	13.24	14.04	13.54	3.26	ppb
Calcium	43-1	5613.49	5758.36	5762.40	5711.42	1.49	ppb
Calcium	44-1	5441.71	5495.55	5640.29	5525.85	1.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	90.27	90.71	90.67	90.55	0.27	ppb
Cobalt	59-2	103.93	105.29	105.84	105.02	0.93	ppb
Copper	63-2	940.48	945.00	946.20	943.89	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				109		%
Holmium	165-2				105		%
Indium	115-1				107		%
Indium	115-2				101		%
Iron	56-2	20741.90	20791.93	20903.83	20812.55	0.40	ppb
Iron	57-2	20834.75	20726.04	20896.28	20819.02	0.41	ppb
Iron	54-2	20970.88	20905.86	21131.38	21002.71	0.55	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-15DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:39:17	DataFile Name :	121SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	169.83	169.36	174.92	171.37	1.80	ppb
Lead	207-1	167.34	170.36	172.51	170.07	1.53	ppb
Lead	208-1	167.29	168.57	172.96	169.61	1.76	ppb
Lithium	6-1				93		%
Magnesium	24-2	5526.11	5505.79	5505.09	5512.33	0.22	ppb
Manganese	55-2	614.21	613.70	619.84	615.92	0.55	ppb
Molybdenum	94-1	20.37	20.95	21.51	20.94	2.74	ppb
Molybdenum	95-1	0.76	0.75	0.73	0.74	2.26	ppb
Molybdenum	96-1	2.97	3.01	2.95	2.97	1.04	ppb
Molybdenum	97-1	0.81	0.74	0.71	0.75	7.08	ppb
Molybdenum	98-1	0.82	0.81	0.78	0.80	2.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	152.24	153.20	153.70	153.05	0.49	ppb
Phosphorus	31-2	1292.54	1302.82	1338.27	1311.21	1.83	ppb
Potassium	39-2	1861.68	1875.07	1879.47	1872.07	0.49	ppb
Rhodium	103-1				104		%
Rhodium	103-2				104		%
Scandium	45-1				104		%
Scandium	45-2				103		%
Selenium	82-1	12.68	13.81	13.93	13.47	5.12	ppb
Selenium	77-2	20.65	24.24	17.22	20.70	16.95	ppb
Selenium	78-2	11.52	17.44	11.09	13.35	26.61	ppb
Silicon	28-1	536.20	543.15	550.83	543.39	1.35	ppb
Silver	107-1	9.09	9.37	9.47	9.31	2.09	ppb
Silver	109-1	9.04	9.25	9.30	9.20	1.51	ppb
Sodium	23-2	241.78	244.17	242.84	242.93	0.49	ppb
Strontium	86-1	77.11	78.10	78.63	77.94	0.99	ppb
Strontium	88-1	79.41	81.50	83.70	81.53	2.63	ppb
Sulfur	34-1	-1712.66	-1818.10	-2069.52	-1866.76		ppb
Terbium	159-1				111		%
Terbium	159-2				105		%
Thallium	203-1	7.44	7.58	7.80	7.60	2.36	ppb
Thallium	205-1	7.42	7.52	7.77	7.57	2.39	ppb
Tin	118-1	5.59	5.61	5.73	5.64	1.36	ppb
Titanium	47-1	477.01	492.78	489.73	486.50	1.72	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-15DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:39:17	DataFile Name :	121SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.48	0.48	0.50	0.49	2.91	ppb
Vanadium	51-2	124.64	125.94	126.58	125.72	0.79	ppb
Yttrium	89-1				108		%
Yttrium	89-2				103		%
Zinc	66-2	617.42	618.39	624.94	620.25	0.66	ppb
Zirconium	90-1	12.02	12.13	12.27	12.14	1.01	ppb
Zirconium	91-1	12.00	12.39	12.31	12.23	1.70	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:42:28	DataFile Name :	122SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19634.45	19867.81	19592.43	19698.23	0.75	ppb
Antimony	121-1	67.90	69.12	70.02	69.01	1.54	ppb
Arsenic	75-2	103.78	107.49	108.13	106.47	2.20	ppb
Barium	135-1	1627.77	1674.86	1690.65	1664.43	1.97	ppb
Barium	137-1	1631.88	1660.77	1666.06	1652.90	1.11	ppb
Beryllium	9-1	38.10	39.03	40.16	39.10	2.63	ppb
Bismuth	209-1				108		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	37.19	38.59	37.21	37.66	2.13	ppb
Cadmium	106-1	37.33	38.00	37.02	37.45	1.34	ppb
Cadmium	111-1	39.62	40.27	41.28	40.39	2.07	ppb
Calcium	43-1	5307.48	5441.36	5456.19	5401.68	1.52	ppb
Calcium	44-1	5088.16	5228.64	5202.78	5173.19	1.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	192.01	194.51	192.53	193.02	0.68	ppb
Cobalt	59-2	369.65	373.28	374.04	372.33	0.63	ppb
Copper	63-2	1026.69	1043.49	1039.97	1036.72	0.85	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				105		%
Indium	115-1				105		%
Indium	115-2				101		%
Iron	56-2	19914.89	20271.66	20421.05	20202.53	1.29	ppb
Iron	57-2	20125.66	20302.30	20322.13	20250.03	0.53	ppb
Iron	54-2	20448.39	20787.53	20502.86	20579.59	0.88	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:42:28	DataFile Name :	122SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	169.85	175.63	174.30	173.26	1.75	ppb
Lead	207-1	169.64	173.96	174.22	172.61	1.49	ppb
Lead	208-1	168.00	172.76	173.20	171.32	1.68	ppb
Lithium	6-1				86		%
Magnesium	24-2	5202.16	5359.58	5356.32	5306.02	1.70	ppb
Manganese	55-2	845.40	850.04	842.74	846.06	0.44	ppb
Molybdenum	94-1	19.49	19.91	20.38	19.93	2.23	ppb
Molybdenum	95-1	0.66	0.69	0.71	0.69	3.46	ppb
Molybdenum	96-1	2.79	2.75	2.80	2.78	0.94	ppb
Molybdenum	97-1	0.71	0.65	0.71	0.69	4.71	ppb
Molybdenum	98-1	0.71	0.73	0.70	0.71	2.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	417.55	422.41	418.39	419.45	0.62	ppb
Phosphorus	31-2	1265.12	1264.40	1246.18	1258.57	0.85	ppb
Potassium	39-2	1787.24	1787.82	1792.41	1789.16	0.16	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				104		%
Scandium	45-2				103		%
Selenium	82-1	137.34	135.47	140.80	137.87	1.96	ppb
Selenium	77-2	141.92	131.18	139.90	137.67	4.15	ppb
Selenium	78-2	139.18	135.89	137.60	137.56	1.20	ppb
Silicon	28-1	492.67	502.50	512.35	502.51	1.96	ppb
Silver	107-1	27.02	27.27	27.91	27.40	1.68	ppb
Silver	109-1	27.17	27.47	27.78	27.47	1.11	ppb
Sodium	23-2	237.49	238.94	239.14	238.52	0.38	ppb
Strontium	86-1	74.32	74.15	76.47	74.98	1.73	ppb
Strontium	88-1	74.79	77.62	75.87	76.09	1.88	ppb
Sulfur	34-1	-2369.64	-2401.91	-2481.04	-2417.53		ppb
Terbium	159-1				109		%
Terbium	159-2				104		%
Thallium	203-1	29.83	30.56	30.55	30.32	1.39	ppb
Thallium	205-1	29.48	30.31	30.28	30.02	1.56	ppb
Tin	118-1	5.32	5.50	5.48	5.43	1.78	ppb
Titanium	47-1	442.40	464.25	467.28	457.98	2.96	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:42:28	DataFile Name :	122SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.45	0.46	0.46	0.46	1.04	ppb
Vanadium	51-2	381.49	382.84	382.72	382.35	0.20	ppb
Yttrium	89-1				106		%
Yttrium	89-2				104		%
Zinc	66-2	846.40	852.78	850.70	849.96	0.38	ppb
Zirconium	90-1	11.36	11.43	11.92	11.57	2.65	ppb
Zirconium	91-1	11.34	11.54	11.88	11.59	2.34	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:45:33	DataFile Name :	123SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21162.22	21120.55	21531.56	21271.44	1.06	ppb
Antimony	121-1	0.71	0.74	0.71	0.72	2.77	ppb
Arsenic	75-2	50.22	51.59	50.64	50.82	1.38	ppb
Barium	135-1	357.25	362.17	365.19	361.54	1.11	ppb
Barium	137-1	360.32	364.55	361.72	362.20	0.60	ppb
Beryllium	9-1	1.26	1.05	1.14	1.15	9.25	ppb
Bismuth	209-1				106		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.20	3.71	3.27	3.39	8.20	ppb
Cadmium	106-1	2.56	3.13	2.75	2.82	10.36	ppb
Cadmium	111-1	2.53	2.57	2.80	2.64	5.55	ppb
Calcium	43-1	7667.29	7819.95	8034.82	7840.69	2.35	ppb
Calcium	44-1	7430.49	7618.40	7624.70	7557.86	1.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	47.25	47.77	48.09	47.70	0.89	ppb
Cobalt	59-2	12.93	12.78	13.20	12.97	1.64	ppb
Copper	63-2	454.02	450.52	452.84	452.46	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				106		%
Holmium	165-2				103		%
Indium	115-1				105		%
Indium	115-2				102		%
Iron	56-2	21994.72	22107.92	22243.10	22115.25	0.56	ppb
Iron	57-2	22243.80	22179.21	22172.68	22198.57	0.18	ppb
Iron	54-2	22403.82	22270.00	22381.88	22351.90	0.32	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:45:33	DataFile Name :	123SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	87.94	87.23	88.89	88.02	0.94	ppb
Lead	207-1	87.14	87.08	87.39	87.20	0.19	ppb
Lead	208-1	86.58	86.20	87.10	86.62	0.52	ppb
Lithium	6-1				84		%
Magnesium	24-2	5877.68	6005.66	6011.94	5965.09	1.27	ppb
Manganese	55-2	530.72	534.10	535.92	533.58	0.50	ppb
Molybdenum	94-1	21.01	21.28	21.60	21.29	1.40	ppb
Molybdenum	95-1	0.35	0.43	0.42	0.40	9.93	ppb
Molybdenum	96-1	2.69	2.60	2.71	2.67	2.24	ppb
Molybdenum	97-1	0.32	0.40	0.37	0.36	11.94	ppb
Molybdenum	98-1	0.38	0.38	0.38	0.38	1.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	55.61	56.69	56.93	56.41	1.25	ppb
Phosphorus	31-2	934.59	919.08	985.77	946.48	3.69	ppb
Potassium	39-2	1824.19	1827.28	1823.41	1824.96	0.11	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				103		%
Scandium	45-2				104		%
Selenium	82-1	1.35	1.26	1.23	1.28	5.00	ppb
Selenium	77-2	8.60	10.86	8.66	9.37	13.75	ppb
Selenium	78-2	-1.08	1.68	2.12	0.91	191.47	ppb
Silicon	28-1	676.02	716.42	740.30	710.91	4.57	ppb
Silver	107-1	1.11	1.06	1.11	1.09	2.35	ppb
Silver	109-1	1.12	1.03	1.08	1.08	3.93	ppb
Sodium	23-2	110.73	113.97	112.36	112.35	1.45	ppb
Strontium	86-1	62.94	62.71	63.99	63.21	1.08	ppb
Strontium	88-1	62.62	62.43	63.57	62.87	0.97	ppb
Sulfur	34-1	-2920.83	-2906.84	-2942.85	-2923.50		ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	0.10	0.12	0.11	0.11	5.68	ppb
Thallium	205-1	0.14	0.12	0.13	0.13	7.16	ppb
Tin	118-1	5.75	5.67	6.01	5.81	3.04	ppb
Titanium	47-1	427.40	446.40	448.57	440.79	2.64	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:45:33	DataFile Name :	123SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.38	0.38	0.38	0.38	0.49	ppb
Vanadium	51-2	40.46	40.62	40.94	40.67	0.60	ppb
Yttrium	89-1				106		%
Yttrium	89-2				104		%
Zinc	66-2	320.70	322.21	322.95	321.95	0.36	ppb
Zirconium	90-1	12.41	12.49	12.78	12.56	1.56	ppb
Zirconium	91-1	12.23	12.36	12.73	12.44	2.08	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-03DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:48:45	DataFile Name :	124SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20883.46	20982.41	20975.48	20947.12	0.26	ppb
Antimony	121-1	0.66	0.70	0.72	0.69	4.04	ppb
Arsenic	75-2	48.68	49.86	48.74	49.09	1.35	ppb
Barium	135-1	349.33	360.88	358.01	356.07	1.69	ppb
Barium	137-1	349.12	359.71	359.04	355.96	1.67	ppb
Beryllium	9-1	1.12	1.06	1.20	1.13	6.09	ppb
Bismuth	209-1				107		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.21	3.61	3.46	3.43	5.82	ppb
Cadmium	106-1	2.83	3.61	3.34	3.26	12.28	ppb
Cadmium	111-1	2.75	2.74	2.55	2.68	4.26	ppb
Calcium	43-1	7575.30	7798.55	7786.52	7720.12	1.63	ppb
Calcium	44-1	7340.26	7514.95	7574.71	7476.64	1.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	46.05	46.29	46.95	46.43	1.00	ppb
Cobalt	59-2	12.57	12.41	12.61	12.53	0.85	ppb
Copper	63-2	441.45	438.61	440.03	440.03	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				105		%
Holmium	165-2				104		%
Indium	115-1				106		%
Indium	115-2				101		%
Iron	56-2	21943.75	21697.79	21772.63	21804.72	0.58	ppb
Iron	57-2	22008.99	21917.43	21977.86	21968.09	0.21	ppb
Iron	54-2	22107.15	22085.74	21999.52	22064.14	0.26	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-03DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:48:45	DataFile Name :	124SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	82.96	83.70	85.49	84.05	1.55	ppb
Lead	207-1	81.87	83.10	84.07	83.01	1.33	ppb
Lead	208-1	82.12	83.07	83.92	83.04	1.08	ppb
Lithium	6-1				81		%
Magnesium	24-2	5885.10	5764.02	5942.49	5863.87	1.55	ppb
Manganese	55-2	514.80	513.79	517.77	515.45	0.40	ppb
Molybdenum	94-1	20.52	21.11	20.80	20.81	1.41	ppb
Molybdenum	95-1	0.37	0.34	0.43	0.38	11.23	ppb
Molybdenum	96-1	2.58	2.67	2.63	2.62	1.75	ppb
Molybdenum	97-1	0.41	0.40	0.37	0.40	5.17	ppb
Molybdenum	98-1	0.36	0.36	0.38	0.37	3.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	54.34	54.72	54.53	54.53	0.35	ppb
Phosphorus	31-2	913.73	892.14	939.71	915.19	2.60	ppb
Potassium	39-2	1764.33	1768.58	1775.96	1769.62	0.33	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				103		%
Scandium	45-2				104		%
Selenium	82-1	1.41	0.59	1.06	1.02	40.50	ppb
Selenium	77-2	8.62	5.65	7.59	7.29	20.72	ppb
Selenium	78-2	0.72	2.82	1.21	1.58	69.61	ppb
Silicon	28-1	694.47	691.02	695.43	693.64	0.33	ppb
Silver	107-1	1.04	1.04	1.09	1.06	3.00	ppb
Silver	109-1	1.03	1.03	1.07	1.04	2.23	ppb
Sodium	23-2	110.77	111.81	109.44	110.67	1.08	ppb
Strontium	86-1	59.60	62.07	61.88	61.18	2.25	ppb
Strontium	88-1	58.59	61.66	61.88	60.71	3.03	ppb
Sulfur	34-1	-3101.92	-3203.02	-3137.17	-3147.37		ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	0.09	0.10	0.11	0.10	9.75	ppb
Thallium	205-1	0.10	0.12	0.11	0.11	8.38	ppb
Tin	118-1	6.25	6.44	6.39	6.36	1.57	ppb
Titanium	47-1	428.72	433.75	447.43	436.63	2.22	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-03DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:48:45	DataFile Name :	124SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.37	0.39	0.37	0.38	3.02	ppb
Vanadium	51-2	39.21	39.59	39.70	39.50	0.65	ppb
Yttrium	89-1				107		%
Yttrium	89-2				104		%
Zinc	66-2	316.85	315.36	316.52	316.25	0.25	ppb
Zirconium	90-1	11.93	12.57	12.83	12.44	3.73	ppb
Zirconium	91-1	12.05	12.97	13.12	12.71	4.52	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBF5L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 00:51:55	DataFile Name :	125SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4299.35	4289.94	4234.55	4274.62	0.82	ppb
Antimony	121-1	0.14	0.15	0.17	0.15	8.30	ppb
Arsenic	75-2	10.14	10.02	9.64	9.93	2.62	ppb
Barium	135-1	70.46	71.82	77.09	73.12	4.79	ppb
Barium	137-1	69.33	72.35	77.22	72.97	5.46	ppb
Beryllium	9-1	0.23	0.20	0.24	0.22	10.53	ppb
Bismuth	209-1				105		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.03	0.71	0.55	0.76	31.76	ppb
Cadmium	106-1	0.89	-0.67	0.08	0.10	756.57	ppb
Cadmium	111-1	0.48	0.38	0.55	0.47	18.31	ppb
Calcium	43-1	1539.86	1522.66	1697.86	1586.79	6.09	ppb
Calcium	44-1	1544.95	1580.09	1704.28	1609.77	5.20	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9.42	9.45	9.27	9.38	1.02	ppb
Cobalt	59-2	2.52	2.56	2.66	2.58	2.65	ppb
Copper	63-2	90.95	91.73	90.62	91.10	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				105		%
Holmium	165-2				104		%
Indium	115-1				105		%
Indium	115-2				103		%
Iron	56-2	4477.86	4433.22	4420.62	4443.90	0.68	ppb
Iron	57-2	4460.12	4458.88	4428.03	4449.01	0.41	ppb
Iron	54-2	4528.07	4534.64	4493.93	4518.88	0.48	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBF5L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 00:51:55	DataFile Name :	125SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	16.98	17.13	18.83	17.65	5.81	ppb
Lead	207-1	16.85	17.08	18.50	17.48	5.11	ppb
Lead	208-1	16.88	16.98	18.47	17.44	5.10	ppb
Lithium	6-1				80		%
Magnesium	24-2	1211.88	1214.29	1198.49	1208.22	0.70	ppb
Manganese	55-2	107.12	106.08	105.67	106.29	0.70	ppb
Molybdenum	94-1	4.09	4.24	4.71	4.34	7.45	ppb
Molybdenum	95-1	0.08	0.07	0.08	0.08	10.91	ppb
Molybdenum	96-1	0.53	0.58	0.55	0.56	4.47	ppb
Molybdenum	97-1	0.09	0.07	0.07	0.08	12.76	ppb
Molybdenum	98-1	0.08	0.08	0.09	0.09	5.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	11.31	11.30	11.00	11.20	1.56	ppb
Phosphorus	31-2	166.57	165.32	175.84	169.24	3.39	ppb
Potassium	39-2	354.63	357.64	355.20	355.82	0.45	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				102		%
Scandium	45-2				104		%
Selenium	82-1	0.64	0.74	-0.22	0.38	137.73	ppb
Selenium	77-2	1.15	0.44	0.79	0.80	44.59	ppb
Selenium	78-2	-1.03	-0.66	-0.34	-0.67		ppb
Silicon	28-1	138.22	141.28	157.81	145.77	7.23	ppb
Silver	107-1	0.22	0.19	0.25	0.22	14.23	ppb
Silver	109-1	0.20	0.21	0.22	0.21	3.98	ppb
Sodium	23-2	34.54	35.19	33.80	34.51	2.02	ppb
Strontium	86-1	12.50	12.49	13.76	12.92	5.63	ppb
Strontium	88-1	12.38	12.46	13.58	12.81	5.23	ppb
Sulfur	34-1	-3288.87	-3215.14	-2844.62	-3116.21		ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	0.01	0.02	0.02	0.02	41.31	ppb
Thallium	205-1	0.02	0.02	0.03	0.02	4.53	ppb
Tin	118-1	1.12	1.17	1.26	1.18	6.04	ppb
Titanium	47-1	84.69	87.78	95.10	89.19	5.99	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBF5L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 00:51:55	DataFile Name :	125SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.06	0.07	0.08	0.07	12.10	ppb
Vanadium	51-2	8.17	7.99	8.09	8.08	1.10	ppb
Yttrium	89-1				104		%
Yttrium	89-2				104		%
Zinc	66-2	63.64	65.13	64.07	64.28	1.20	ppb
Zirconium	90-1	2.45	2.49	2.68	2.54	4.82	ppb
Zirconium	91-1	2.40	2.54	2.67	2.54	5.38	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-04DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:55:12	DataFile Name :	126SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21447.37	21791.27	21778.20	21672.28	0.90	ppb
Antimony	121-1	19.42	19.52	19.31	19.42	0.53	ppb
Arsenic	75-2	58.27	59.64	57.70	58.54	1.70	ppb
Barium	135-1	686.25	678.78	689.83	684.95	0.82	ppb
Barium	137-1	767.11	727.80	740.00	744.97	2.70	ppb
Beryllium	9-1	10.71	11.14	10.33	10.73	3.82	ppb
Bismuth	209-1				108		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	12.52	13.26	12.36	12.71	3.81	ppb
Cadmium	106-1	12.88	13.58	11.66	12.71	7.64	ppb
Cadmium	111-1	12.61	12.57	12.63	12.60	0.21	ppb
Calcium	43-1	7666.20	7933.96	7916.72	7838.96	1.91	ppb
Calcium	44-1	7535.45	7615.28	7797.98	7649.57	1.76	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	81.97	83.78	83.04	82.93	1.10	ppb
Cobalt	59-2	96.58	100.67	99.96	99.07	2.20	ppb
Copper	63-2	506.05	530.24	527.40	521.23	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				108		%
Holmium	165-2				105		%
Indium	115-1				107		%
Indium	115-2				102		%
Iron	56-2	21952.88	22638.75	22377.29	22322.97	1.55	ppb
Iron	57-2	21573.37	22815.40	22434.88	22274.55	2.86	ppb
Iron	54-2	22787.22	22918.35	22617.38	22774.32	0.66	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-04DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:55:12	DataFile Name :	126SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	89.63	92.46	90.42	90.84	1.61	ppb
Lead	207-1	88.27	89.67	89.23	89.06	0.80	ppb
Lead	208-1	88.08	90.05	89.52	89.22	1.14	ppb
Lithium	6-1				85		%
Magnesium	24-2	5957.49	6053.25	6035.99	6015.58	0.85	ppb
Manganese	55-2	611.47	624.37	615.92	617.25	1.06	ppb
Molybdenum	94-1	21.35	21.22	21.99	21.52	1.90	ppb
Molybdenum	95-1	0.39	0.41	0.39	0.39	2.99	ppb
Molybdenum	96-1	2.71	2.69	2.75	2.72	1.00	ppb
Molybdenum	97-1	0.35	0.37	0.33	0.35	6.97	ppb
Molybdenum	98-1	0.42	0.39	0.39	0.40	3.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	147.36	148.39	145.15	146.97	1.13	ppb
Phosphorus	31-2	927.44	975.84	940.55	947.94	2.64	ppb
Potassium	39-2	1780.04	1825.52	1815.22	1806.92	1.32	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				105		%
Scandium	45-2				105		%
Selenium	82-1	21.51	23.63	23.37	22.84	5.06	ppb
Selenium	77-2	33.67	30.21	30.36	31.41	6.23	ppb
Selenium	78-2	24.80	22.50	25.73	24.35	6.82	ppb
Silicon	28-1	641.15	663.81	653.71	652.89	1.74	ppb
Silver	107-1	8.31	8.44	8.39	8.38	0.84	ppb
Silver	109-1	8.20	8.31	8.40	8.30	1.15	ppb
Sodium	23-2	103.33	107.21	106.25	105.60	1.92	ppb
Strontium	86-1	62.15	62.55	63.79	62.83	1.36	ppb
Strontium	88-1	62.56	62.96	64.17	63.23	1.33	ppb
Sulfur	34-1	-3049.34	-2970.33	-3019.77	-3013.15		ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	8.06	8.39	8.29	8.25	2.05	ppb
Thallium	205-1	8.16	8.36	8.30	8.28	1.20	ppb
Tin	118-1	6.41	6.25	6.37	6.34	1.31	ppb
Titanium	47-1	429.27	446.79	443.78	439.95	2.13	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-04DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:55:12	DataFile Name :	126SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.39	0.39	0.40	0.39	1.08	ppb
Vanadium	51-2	123.10	129.33	127.30	126.57	2.51	ppb
Yttrium	89-1				108		%
Yttrium	89-2				104		%
Zinc	66-2	397.53	407.60	411.21	405.44	1.75	ppb
Zirconium	90-1	12.62	12.68	12.91	12.74	1.19	ppb
Zirconium	91-1	12.89	12.79	12.76	12.81	0.54	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:58:20	DataFile Name :	127SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20245.69	20424.74	21623.81	20764.75	3.61	ppb
Antimony	121-1	74.81	68.72	70.60	71.38	4.37	ppb
Arsenic	75-2	69.32	69.11	74.78	71.07	4.53	ppb
Barium	135-1	1936.19	1786.02	1865.44	1862.55	4.03	ppb
Barium	137-1	1956.04	1801.54	1862.53	1873.37	4.15	ppb
Beryllium	9-1	43.76	40.88	40.13	41.59	4.60	ppb
Bismuth	209-1				105		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	37.62	35.71	38.28	37.20	3.59	ppb
Cadmium	106-1	41.16	36.30	36.34	37.93	7.37	ppb
Cadmium	111-1	42.00	39.10	39.48	40.19	3.92	ppb
Calcium	43-1	8341.72	7665.94	7540.14	7849.27	5.49	ppb
Calcium	44-1	8028.31	7220.07	7477.92	7575.43	5.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	178.09	179.58	192.27	183.31	4.25	ppb
Cobalt	59-2	358.82	361.83	381.25	367.30	3.31	ppb
Copper	63-2	587.32	588.23	632.84	602.80	4.32	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				106		%
Holmium	165-2				109		%
Indium	115-1				104		%
Indium	115-2				107		%
Iron	56-2	20242.29	20630.72	22060.65	20977.89	4.56	ppb
Iron	57-2	20301.41	20581.87	21820.22	20901.17	3.87	ppb
Iron	54-2	20548.21	20766.06	22301.06	21205.11	4.51	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:58:20	DataFile Name :	127SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	102.40	98.74	96.12	99.09	3.18	ppb
Lead	207-1	101.30	96.09	93.62	97.00	4.04	ppb
Lead	208-1	101.70	96.36	94.06	97.37	4.03	ppb
Lithium	6-1				86		%
Magnesium	24-2	5255.91	5411.15	5695.96	5454.34	4.09	ppb
Manganese	55-2	807.08	817.59	858.35	827.67	3.27	ppb
Molybdenum	94-1	22.23	20.65	20.53	21.14	4.50	ppb
Molybdenum	95-1	0.44	0.39	0.43	0.42	5.14	ppb
Molybdenum	96-1	2.84	2.61	2.63	2.70	4.74	ppb
Molybdenum	97-1	0.39	0.42	0.39	0.40	5.02	ppb
Molybdenum	98-1	0.39	0.39	0.39	0.39	1.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	398.02	403.37	426.02	409.14	3.63	ppb
Phosphorus	31-2	863.00	800.53	913.82	859.12	6.61	ppb
Potassium	39-2	1586.62	1596.01	1740.26	1640.97	5.25	ppb
Rhodium	103-1				101		%
Rhodium	103-2				109		%
Scandium	45-1				103		%
Scandium	45-2				110		%
Selenium	82-1	92.26	85.01	85.19	87.49	4.72	ppb
Selenium	77-2	84.57	84.32	81.23	83.37	2.23	ppb
Selenium	78-2	79.67	73.01	86.33	79.67	8.36	ppb
Silicon	28-1	701.19	628.80	631.83	653.94	6.26	ppb
Silver	107-1	33.19	31.10	31.98	32.09	3.27	ppb
Silver	109-1	33.02	30.93	32.14	32.03	3.28	ppb
Sodium	23-2	88.68	87.98	101.25	92.64	8.06	ppb
Strontium	86-1	65.60	61.06	61.11	62.59	4.16	ppb
Strontium	88-1	65.02	61.08	60.94	62.35	3.71	ppb
Sulfur	34-1	-2376.97	-3056.61	-3270.36	-2901.31		ppb
Terbium	159-1				105		%
Terbium	159-2				110		%
Thallium	203-1	32.15	31.34	30.40	31.30	2.80	ppb
Thallium	205-1	32.51	31.07	30.43	31.34	3.39	ppb
Tin	118-1	6.44	5.72	5.99	6.05	6.00	ppb
Titanium	47-1	456.57	424.16	417.84	432.85	4.80	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:58:20	DataFile Name :	127SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.38	0.37	0.37	0.38	1.52	ppb
Vanadium	51-2	372.95	376.02	400.35	383.10	3.92	ppb
Yttrium	89-1				105		%
Yttrium	89-2				111		%
Zinc	66-2	618.80	620.32	661.67	633.60	3.84	ppb
Zirconium	90-1	13.04	12.25	12.24	12.51	3.68	ppb
Zirconium	91-1	13.13	12.52	12.12	12.59	4.04	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164281BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD281	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:01:28	DataFile Name :	128LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	28.00	28.78	28.43	28.40	1.38	ppb
Antimony	121-1	1.84	2.06	1.97	1.96	5.56	ppb
Arsenic	75-2	1.07	0.89	1.14	1.03	12.33	ppb
Barium	135-1	9.01	9.53	8.98	9.18	3.37	ppb
Barium	137-1	8.97	9.69	9.18	9.28	4.00	ppb
Beryllium	9-1	0.93	1.05	1.07	1.01	7.26	ppb
Bismuth	209-1				99		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.24	1.53	1.32	1.36	11.23	ppb
Cadmium	106-1	0.72	0.68	1.39	0.93	43.15	ppb
Cadmium	111-1	1.29	1.25	1.24	1.26	2.09	ppb
Calcium	43-1	469.92	515.57	502.78	496.09	4.75	ppb
Calcium	44-1	479.30	525.36	496.80	500.49	4.65	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.27	2.15	2.17	2.20	3.06	ppb
Cobalt	59-2	0.96	1.04	1.02	1.01	4.02	ppb
Copper	63-2	2.32	2.18	2.19	2.23	3.54	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				99		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				101		%
Iron	56-2	219.11	219.08	218.44	218.88	0.17	ppb
Iron	57-2	225.48	219.72	223.06	222.75	1.30	ppb
Iron	54-2	225.38	218.02	221.63	221.68	1.66	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164281BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD281	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:01:28	DataFile Name :	128LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.90	1.11	0.97	1.00	10.78	ppb
Lead	207-1	0.97	1.11	0.99	1.02	7.59	ppb
Lead	208-1	0.94	1.07	0.96	0.99	7.32	ppb
Lithium	6-1				80		%
Magnesium	24-2	519.97	519.80	517.61	519.13	0.25	ppb
Manganese	55-2	1.29	1.35	1.37	1.34	3.20	ppb
Molybdenum	94-1	5.30	5.66	5.29	5.42	3.84	ppb
Molybdenum	95-1	4.39	4.82	4.41	4.54	5.26	ppb
Molybdenum	96-1	4.48	4.80	4.37	4.55	4.91	ppb
Molybdenum	97-1	4.23	4.81	4.22	4.42	7.57	ppb
Molybdenum	98-1	4.26	4.54	4.49	4.43	3.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.14	1.07	1.25	1.15	7.85	ppb
Phosphorus	31-2	-18.56	-16.93	-19.10	-18.20		ppb
Potassium	39-2	511.77	505.70	502.75	506.74	0.91	ppb
Rhodium	103-1				98		%
Rhodium	103-2				104		%
Scandium	45-1				97		%
Scandium	45-2				100		%
Selenium	82-1	5.50	5.00	5.09	5.20	5.11	ppb
Selenium	77-2	4.03	5.44	3.30	4.26	25.50	ppb
Selenium	78-2	4.52	3.52	5.10	4.38	18.35	ppb
Silicon	28-1	1.19	4.07	1.39	2.22	72.39	ppb
Silver	107-1	0.93	1.00	0.96	0.96	3.82	ppb
Silver	109-1	0.98	1.03	0.98	0.99	3.10	ppb
Sodium	23-2	513.82	507.09	506.11	509.01	0.82	ppb
Strontium	86-1	0.96	1.04	1.07	1.02	5.36	ppb
Strontium	88-1	0.99	1.07	1.00	1.02	4.14	ppb
Sulfur	34-1	-2801.44	-2467.67	-2912.88	-2727.33		ppb
Terbium	159-1				100		%
Terbium	159-2				101		%
Thallium	203-1	0.88	0.92	0.79	0.86	7.75	ppb
Thallium	205-1	0.85	0.95	0.84	0.88	6.66	ppb
Tin	118-1	0.04	0.05	0.05	0.05	15.70	ppb
Titanium	47-1	4.44	5.24	4.61	4.77	8.83	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164281BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD281	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:01:28	DataFile Name :	128LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.79	0.86	0.83	0.83	4.61	ppb
Vanadium	51-2	4.95	4.96	4.84	4.92	1.31	ppb
Yttrium	89-1				98		%
Yttrium	89-2				100		%
Zinc	66-2	5.35	5.40	5.12	5.29	2.83	ppb
Zirconium	90-1	0.97	1.05	1.04	1.02	4.31	ppb
Zirconium	91-1	1.01	1.15	1.04	1.07	6.69	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-01	Instrumnet Name :	P7
Client Sample ID :	MYDBD4	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:04:44	DataFile Name :	129SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	246080.05	244205.56	243366.75	244550.79	0.57	ppb
Antimony	121-1	31.64	32.46	32.37	32.15	1.40	ppb
Arsenic	75-2	357.55	348.33	355.81	353.90	1.38	ppb
Barium	135-1	760.67	772.44	779.18	770.76	1.22	ppb
Barium	137-1	820.86	854.74	844.43	840.01	2.07	ppb
Beryllium	9-1	16.61	17.27	17.84	17.24	3.57	ppb
Bismuth	209-1				140		%
Bismuth	209-2				134		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	43.91	43.99	42.56	43.49	1.85	ppb
Cadmium	106-1	44.16	44.77	45.26	44.73	1.24	ppb
Cadmium	111-1	39.39	39.63	39.52	39.52	0.31	ppb
Calcium	43-1	15050.71	15179.97	15386.91	15205.87	1.12	ppb
Calcium	44-1	14625.17	14436.67	14878.87	14646.90	1.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	652.93	658.95	653.35	655.08	0.51	ppb
Cobalt	59-2	45.40	45.25	45.66	45.44	0.46	ppb
Copper	63-2	9527.07	9590.30	9560.54	9559.30	0.33	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				109		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				99		%
Iron	56-2	60980.19	61119.80	60971.30	61023.76	0.14	ppb
Iron	57-2	59807.14	58744.04	59283.51	59278.23	0.90	ppb
Iron	54-2	61686.39	61067.12	61408.79	61387.43	0.51	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-01	Instrumnet Name :	P7
Client Sample ID :	MYDBD4	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:04:44	DataFile Name :	129SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1213.38	1227.35	1262.33	1234.35	2.04	ppb
Lead	207-1	1218.27	1234.44	1259.30	1237.34	1.67	ppb
Lead	208-1	1210.17	1221.78	1251.80	1227.92	1.75	ppb
Lithium	6-1				88		%
Magnesium	24-2	34725.67	35048.17	34420.20	34731.35	0.90	ppb
Manganese	55-2	1973.34	1957.39	1923.35	1951.36	1.31	ppb
Molybdenum	94-1	101.97	101.67	102.96	102.20	0.66	ppb
Molybdenum	95-1	11.00	10.82	10.97	10.93	0.86	ppb
Molybdenum	96-1	20.80	20.64	20.84	20.76	0.51	ppb
Molybdenum	97-1	11.08	10.88	11.11	11.02	1.17	ppb
Molybdenum	98-1	10.80	10.98	10.98	10.92	0.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	392.25	393.94	393.12	393.10	0.21	ppb
Phosphorus	31-2	3640.98	3713.09	3570.62	3641.56	1.96	ppb
Potassium	39-2	7018.41	7005.24	7033.39	7019.01	0.20	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				107		%
Scandium	45-2				104		%
Selenium	82-1	9.29	9.19	9.66	9.38	2.64	ppb
Selenium	77-2	23.26	21.30	25.67	23.41	9.34	ppb
Selenium	78-2	11.59	11.21	11.41	11.40	1.66	ppb
Silicon	28-1	3926.19	3923.96	4002.55	3950.90	1.13	ppb
Silver	107-1	13.78	13.89	13.94	13.87	0.57	ppb
Silver	109-1	13.59	13.56	13.79	13.65	0.91	ppb
Sodium	23-2	924.72	921.22	932.31	926.09	0.61	ppb
Strontium	86-1	183.28	178.48	181.23	181.00	1.33	ppb
Strontium	88-1	189.14	188.72	187.74	188.54	0.38	ppb
Sulfur	34-1	-1234.11	-1301.04	-1272.82	-1269.32		ppb
Terbium	159-1				108		%
Terbium	159-2				104		%
Thallium	203-1	0.34	0.30	0.31	0.32	6.45	ppb
Thallium	205-1	0.32	0.31	0.35	0.33	6.38	ppb
Tin	118-1	122.67	124.71	124.96	124.11	1.01	ppb
Titanium	47-1	2236.89	2200.08	2257.85	2231.60	1.31	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-01	Instrumnet Name :	P7
Client Sample ID :	MYDBD4	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:04:44	DataFile Name :	129SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.56	1.64	1.62	1.61	2.65	ppb
Vanadium	51-2	145.41	144.25	145.48	145.04	0.48	ppb
Yttrium	89-1				110		%
Yttrium	89-2				105		%
Zinc	66-2	8059.26	8048.92	8081.49	8063.22	0.21	ppb
Zirconium	90-1	56.69	55.85	56.50	56.34	0.78	ppb
Zirconium	91-1	57.22	55.61	56.47	56.43	1.42	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-02	Instrumnet Name :	P7
Client Sample ID :	MYDBD5	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:07:45	DataFile Name :	130SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	112892.45	113924.20	113979.98	113598.88	0.54	ppb
Antimony	121-1	13.79	14.11	14.14	14.01	1.40	ppb
Arsenic	75-2	401.42	392.53	389.72	394.56	1.55	ppb
Barium	135-1	1057.15	1073.99	1071.00	1067.38	0.84	ppb
Barium	137-1	1083.00	1082.48	1098.37	1087.95	0.83	ppb
Beryllium	9-1	7.38	7.96	7.88	7.74	4.11	ppb
Bismuth	209-1				126		%
Bismuth	209-2				118		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	30.51	31.89	29.72	30.71	3.58	ppb
Cadmium	106-1	31.30	34.00	33.70	33.00	4.48	ppb
Cadmium	111-1	28.41	28.94	29.01	28.78	1.14	ppb
Calcium	43-1	17042.16	17384.04	17670.77	17365.66	1.81	ppb
Calcium	44-1	16584.24	17014.71	17021.88	16873.61	1.49	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	288.90	291.99	292.94	291.28	0.73	ppb
Cobalt	59-2	49.61	50.21	50.06	49.96	0.62	ppb
Copper	63-2	6015.54	5943.78	6067.97	6009.10	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				109		%
Holmium	165-2				104		%
Indium	115-1				105		%
Indium	115-2				98		%
Iron	56-2	127896.76	126988.77	128272.00	127719.18	0.52	ppb
Iron	57-2	126819.49	125871.92	127744.71	126812.04	0.74	ppb
Iron	54-2	127004.85	127306.84	127883.14	127398.28	0.35	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-02	Instrumnet Name :	P7
Client Sample ID :	MYDBD5	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:07:45	DataFile Name :	130SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1263.94	1275.55	1320.37	1286.62	2.32	ppb
Lead	207-1	1264.77	1286.96	1339.84	1297.19	2.97	ppb
Lead	208-1	1258.74	1288.55	1314.15	1287.15	2.15	ppb
Lithium	6-1				84		%
Magnesium	24-2	22471.56	22345.01	22604.86	22473.81	0.58	ppb
Manganese	55-2	1863.94	1880.33	1873.43	1872.57	0.44	ppb
Molybdenum	94-1	73.77	75.70	75.28	74.92	1.35	ppb
Molybdenum	95-1	4.56	4.80	4.74	4.70	2.75	ppb
Molybdenum	96-1	12.59	12.87	12.74	12.74	1.11	ppb
Molybdenum	97-1	4.74	4.70	4.80	4.75	1.05	ppb
Molybdenum	98-1	4.66	4.70	4.72	4.70	0.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	253.02	254.00	256.73	254.58	0.75	ppb
Phosphorus	31-2	3930.50	3907.41	3964.49	3934.14	0.73	ppb
Potassium	39-2	8514.73	8592.87	8523.13	8543.58	0.50	ppb
Rhodium	103-1				102		%
Rhodium	103-2				101		%
Scandium	45-1				108		%
Scandium	45-2				107		%
Selenium	82-1	10.25	9.52	9.71	9.83	3.81	ppb
Selenium	77-2	28.02	27.55	31.14	28.90	6.74	ppb
Selenium	78-2	12.44	11.14	12.42	12.00	6.24	ppb
Silicon	28-1	2634.28	2655.56	2674.31	2654.72	0.75	ppb
Silver	107-1	11.97	12.18	12.25	12.13	1.19	ppb
Silver	109-1	11.96	12.15	12.13	12.08	0.85	ppb
Sodium	23-2	426.39	429.37	433.62	429.79	0.84	ppb
Strontium	86-1	163.56	166.48	167.49	165.84	1.23	ppb
Strontium	88-1	168.16	170.62	173.88	170.89	1.68	ppb
Sulfur	34-1	-1392.21	-1319.77	-1199.89	-1303.96		ppb
Terbium	159-1				109		%
Terbium	159-2				105		%
Thallium	203-1	0.43	0.43	0.45	0.44	2.42	ppb
Thallium	205-1	0.42	0.45	0.46	0.45	5.37	ppb
Tin	118-1	199.20	201.97	201.74	200.97	0.76	ppb
Titanium	47-1	1750.65	1809.51	1820.58	1793.58	2.10	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-02	Instrumnet Name :	P7
Client Sample ID :	MYDBD5	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:07:45	DataFile Name :	130SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.24	1.20	1.25	1.23	2.33	ppb
Vanadium	51-2	122.03	122.29	122.60	122.31	0.23	ppb
Yttrium	89-1				112		%
Yttrium	89-2				108		%
Zinc	66-2	5381.32	5439.08	5491.56	5437.32	1.01	ppb
Zirconium	90-1	41.31	43.39	43.36	42.69	2.80	ppb
Zirconium	91-1	41.86	42.99	43.22	42.69	1.70	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-03	Instrumnet Name :	P7
Client Sample ID :	MYDBD6	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:10:44	DataFile Name :	131SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	274448.91	268957.96	269378.19	270928.36	1.13	ppb
Antimony	121-1	41.84	42.35	40.15	41.44	2.77	ppb
Arsenic	75-2	223.48	220.72	215.42	219.87	1.86	ppb
Barium	135-1	677.16	679.84	640.50	665.83	3.30	ppb
Barium	137-1	725.89	731.10	681.85	712.95	3.80	ppb
Beryllium	9-1	20.65	20.53	19.95	20.38	1.82	ppb
Bismuth	209-1				145		%
Bismuth	209-2				136		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	45.02	43.43	40.01	42.82	5.98	ppb
Cadmium	106-1	45.96	48.48	42.82	45.75	6.19	ppb
Cadmium	111-1	37.63	37.46	35.14	36.74	3.79	ppb
Calcium	43-1	13349.02	13379.90	12991.41	13240.11	1.63	ppb
Calcium	44-1	12958.16	13118.52	12487.25	12854.64	2.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	882.23	883.97	876.82	881.01	0.42	ppb
Cobalt	59-2	47.24	47.17	46.83	47.08	0.47	ppb
Copper	63-2	11430.84	11551.59	11397.40	11459.95	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				109		%
Holmium	165-2				104		%
Indium	115-1				107		%
Indium	115-2				99		%
Iron	56-2	54212.65	53856.95	53146.36	53738.66	1.01	ppb
Iron	57-2	53151.73	53750.46	52580.29	53160.83	1.10	ppb
Iron	54-2	54453.39	54801.75	54523.52	54592.89	0.34	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-03	Instrumnet Name :	P7
Client Sample ID :	MYDBD6	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:10:44	DataFile Name :	131SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1390.67	1423.80	1370.78	1395.08	1.92	ppb
Lead	207-1	1399.40	1402.63	1343.40	1381.81	2.41	ppb
Lead	208-1	1394.11	1404.50	1342.88	1380.49	2.39	ppb
Lithium	6-1				82		%
Magnesium	24-2	48425.47	47971.97	48262.48	48219.98	0.48	ppb
Manganese	55-2	1851.48	1866.61	1846.20	1854.76	0.57	ppb
Molybdenum	94-1	151.40	157.81	149.02	152.74	2.98	ppb
Molybdenum	95-1	16.13	16.45	15.52	16.04	2.95	ppb
Molybdenum	96-1	30.06	31.37	29.71	30.38	2.88	ppb
Molybdenum	97-1	15.91	16.28	15.71	15.97	1.81	ppb
Molybdenum	98-1	15.83	16.32	15.59	15.91	2.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	520.82	522.26	517.86	520.31	0.43	ppb
Phosphorus	31-2	2005.11	2086.05	2060.57	2050.58	2.02	ppb
Potassium	39-2	7068.07	6948.83	6999.68	7005.53	0.85	ppb
Rhodium	103-1				103		%
Rhodium	103-2				101		%
Scandium	45-1				107		%
Scandium	45-2				105		%
Selenium	82-1	9.95	9.49	9.86	9.77	2.52	ppb
Selenium	77-2	23.42	17.16	17.36	19.32	18.42	ppb
Selenium	78-2	13.06	11.84	9.99	11.63	13.30	ppb
Silicon	28-1	4173.02	4281.07	4064.02	4172.70	2.60	ppb
Silver	107-1	17.02	17.64	16.39	17.02	3.67	ppb
Silver	109-1	17.08	17.24	16.29	16.87	3.01	ppb
Sodium	23-2	897.05	889.50	898.93	895.16	0.56	ppb
Strontium	86-1	119.26	123.40	116.92	119.86	2.74	ppb
Strontium	88-1	124.55	130.83	122.27	125.88	3.52	ppb
Sulfur	34-1	-874.08	-919.37	-1310.95	-1034.80		ppb
Terbium	159-1				109		%
Terbium	159-2				104		%
Thallium	203-1	0.24	0.22	0.22	0.23	4.64	ppb
Thallium	205-1	0.24	0.24	0.23	0.24	2.84	ppb
Tin	118-1	152.71	154.55	145.78	151.02	3.06	ppb
Titanium	47-1	2317.02	2351.51	2248.70	2305.75	2.27	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-03	Instrumnet Name :	P7
Client Sample ID :	MYDBD6	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:10:44	DataFile Name :	131SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.26	1.25	1.20	1.24	2.72	ppb
Vanadium	51-2	141.42	141.89	140.41	141.24	0.53	ppb
Yttrium	89-1				111		%
Yttrium	89-2				106		%
Zinc	66-2	9389.33	9440.30	9540.32	9456.65	0.81	ppb
Zirconium	90-1	83.10	87.09	82.33	84.17	3.04	ppb
Zirconium	91-1	83.47	86.77	81.96	84.07	2.93	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-04	Instrumnet Name :	P7
Client Sample ID :	MYDBD7	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:13:45	DataFile Name :	132SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	149793.30	149095.44	149449.22	149445.99	0.23	ppb
Antimony	121-1	16.39	16.69	16.65	16.58	0.97	ppb
Arsenic	75-2	467.92	466.67	469.56	468.05	0.31	ppb
Barium	135-1	1504.58	1491.53	1484.85	1493.65	0.67	ppb
Barium	137-1	1485.06	1498.47	1499.34	1494.29	0.54	ppb
Beryllium	9-1	10.10	10.61	10.51	10.41	2.57	ppb
Bismuth	209-1				130		%
Bismuth	209-2				124		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	33.85	33.00	33.62	33.49	1.31	ppb
Cadmium	106-1	36.33	34.60	32.67	34.53	5.31	ppb
Cadmium	111-1	32.26	32.50	32.97	32.58	1.11	ppb
Calcium	43-1	21740.51	22644.35	22770.94	22385.27	2.51	ppb
Calcium	44-1	20864.29	21897.15	21555.15	21438.86	2.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	414.76	411.34	413.23	413.11	0.41	ppb
Cobalt	59-2	70.10	70.44	70.24	70.26	0.24	ppb
Copper	63-2	6779.97	6705.34	6739.39	6741.56	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				109		%
Holmium	165-2				105		%
Indium	115-1				106		%
Indium	115-2				100		%
Iron	56-2	94444.49	95138.72	94886.83	94823.35	0.37	ppb
Iron	57-2	93530.70	93097.54	93398.54	93342.26	0.24	ppb
Iron	54-2	94605.36	95326.20	95010.75	94980.77	0.38	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-04	Instrumnet Name :	P7
Client Sample ID :	MYDBD7	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:13:45	DataFile Name :	132SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1062.66	1071.57	1106.53	1080.25	2.15	ppb
Lead	207-1	1082.03	1080.82	1115.66	1092.84	1.81	ppb
Lead	208-1	1058.14	1065.56	1094.54	1072.75	1.79	ppb
Lithium	6-1				83		%
Magnesium	24-2	28684.32	28395.71	28656.90	28578.98	0.56	ppb
Manganese	55-2	2330.12	2339.54	2375.80	2348.48	1.03	ppb
Molybdenum	94-1	52.27	53.55	53.93	53.25	1.63	ppb
Molybdenum	95-1	6.98	6.96	7.05	7.00	0.68	ppb
Molybdenum	96-1	12.16	12.53	12.41	12.37	1.52	ppb
Molybdenum	97-1	6.86	7.26	6.83	6.98	3.43	ppb
Molybdenum	98-1	6.90	7.01	7.01	6.97	0.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	361.81	362.12	361.52	361.82	0.08	ppb
Phosphorus	31-2	7374.11	7450.87	7404.76	7409.91	0.52	ppb
Potassium	39-2	8426.42	8535.21	8476.35	8479.32	0.64	ppb
Rhodium	103-1				103		%
Rhodium	103-2				101		%
Scandium	45-1				107		%
Scandium	45-2				106		%
Selenium	82-1	8.51	8.39	8.85	8.58	2.82	ppb
Selenium	77-2	30.53	37.93	36.70	35.06	11.31	ppb
Selenium	78-2	12.40	11.58	14.72	12.90	12.61	ppb
Silicon	28-1	2688.61	2793.40	2805.48	2762.50	2.33	ppb
Silver	107-1	12.14	12.20	12.29	12.21	0.62	ppb
Silver	109-1	12.05	12.24	12.05	12.11	0.91	ppb
Sodium	23-2	1840.38	1854.38	1858.11	1850.96	0.51	ppb
Strontium	86-1	383.81	391.08	393.60	389.50	1.31	ppb
Strontium	88-1	396.25	403.69	410.13	403.35	1.72	ppb
Sulfur	34-1	-1165.92	-959.57	-1047.94	-1057.81		ppb
Terbium	159-1				109		%
Terbium	159-2				105		%
Thallium	203-1	0.47	0.48	0.49	0.48	2.22	ppb
Thallium	205-1	0.48	0.47	0.51	0.49	4.31	ppb
Tin	118-1	64.53	64.84	65.34	64.90	0.63	ppb
Titanium	47-1	2354.12	2422.49	2402.73	2393.11	1.47	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-04	Instrumnet Name :	P7
Client Sample ID :	MYDBD7	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:13:45	DataFile Name :	132SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.98	2.01	2.02	2.00	1.13	ppb
Vanadium	51-2	170.07	169.34	168.42	169.28	0.49	ppb
Yttrium	89-1				114		%
Yttrium	89-2				109		%
Zinc	66-2	4979.08	4959.82	4847.83	4928.91	1.44	ppb
Zirconium	90-1	28.48	29.06	29.21	28.91	1.33	ppb
Zirconium	91-1	28.43	29.28	29.46	29.05	1.90	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-05	Instrumnet Name :	P7
Client Sample ID :	MYDBD8	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:16:44	DataFile Name :	133SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	315845.66	310643.98	317563.86	314684.50	1.14	ppb
Antimony	121-1	50.28	50.66	51.75	50.90	1.50	ppb
Arsenic	75-2	266.22	268.22	268.61	267.69	0.48	ppb
Barium	135-1	750.50	758.88	768.76	759.38	1.20	ppb
Barium	137-1	804.51	830.23	838.63	824.46	2.16	ppb
Beryllium	9-1	23.59	24.02	25.65	24.42	4.45	ppb
Bismuth	209-1				157		%
Bismuth	209-2				148		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	45.61	48.20	51.17	48.33	5.75	ppb
Cadmium	106-1	52.29	54.71	54.01	53.67	2.32	ppb
Cadmium	111-1	41.77	41.79	42.61	42.05	1.14	ppb
Calcium	43-1	16155.78	16154.11	16335.00	16214.97	0.64	ppb
Calcium	44-1	15518.06	15427.36	15893.08	15612.84	1.58	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	838.99	818.98	829.64	829.20	1.21	ppb
Cobalt	59-2	48.49	48.09	48.76	48.44	0.69	ppb
Copper	63-2	12448.64	12271.75	12424.97	12381.79	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				109		%
Holmium	165-2				105		%
Indium	115-1				105		%
Indium	115-2				101		%
Iron	56-2	65406.73	64865.85	65406.63	65226.40	0.48	ppb
Iron	57-2	63576.01	63805.70	64314.17	63898.63	0.59	ppb
Iron	54-2	66622.56	65421.34	66379.11	66141.00	0.96	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-05	Instrumnet Name :	P7
Client Sample ID :	MYDBD8	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:16:44	DataFile Name :	133SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1473.21	1500.95	1514.82	1496.33	1.42	ppb
Lead	207-1	1465.37	1503.95	1494.20	1487.84	1.35	ppb
Lead	208-1	1472.30	1495.69	1495.21	1487.73	0.90	ppb
Lithium	6-1				83		%
Magnesium	24-2	56041.98	55944.82	56685.80	56224.20	0.72	ppb
Manganese	55-2	2068.33	2029.79	2057.82	2051.98	0.97	ppb
Molybdenum	94-1	186.73	191.50	189.56	189.26	1.27	ppb
Molybdenum	95-1	18.37	18.99	18.89	18.75	1.79	ppb
Molybdenum	96-1	36.27	36.90	37.10	36.76	1.17	ppb
Molybdenum	97-1	18.49	18.66	18.78	18.64	0.78	ppb
Molybdenum	98-1	18.36	18.61	18.50	18.49	0.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	465.82	462.39	466.61	464.94	0.48	ppb
Phosphorus	31-2	2614.55	2593.97	2609.73	2606.08	0.41	ppb
Potassium	39-2	8502.97	8272.53	8332.54	8369.34	1.43	ppb
Rhodium	103-1				102		%
Rhodium	103-2				101		%
Scandium	45-1				106		%
Scandium	45-2				106		%
Selenium	82-1	18.02	19.52	21.17	19.57	8.05	ppb
Selenium	77-2	33.54	34.62	38.32	35.49	7.06	ppb
Selenium	78-2	20.24	19.68	19.18	19.70	2.68	ppb
Silicon	28-1	4045.67	4134.91	4091.83	4090.80	1.09	ppb
Silver	107-1	19.20	19.24	19.87	19.44	1.92	ppb
Silver	109-1	19.03	19.34	19.74	19.37	1.83	ppb
Sodium	23-2	1044.75	1042.99	1050.56	1046.10	0.38	ppb
Strontium	86-1	148.30	149.47	151.23	149.67	0.99	ppb
Strontium	88-1	153.31	158.74	158.86	156.97	2.02	ppb
Sulfur	34-1	-3.04	-96.76	99.98	0.06	166482.17	ppb
Terbium	159-1				110		%
Terbium	159-2				104		%
Thallium	203-1	0.24	0.25	0.25	0.25	3.73	ppb
Thallium	205-1	0.25	0.26	0.26	0.26	2.66	ppb
Tin	118-1	150.84	152.92	157.57	153.78	2.24	ppb
Titanium	47-1	2501.14	2509.65	2544.16	2518.32	0.90	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-05	Instrumnet Name :	P7
Client Sample ID :	MYDBD8	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:16:44	DataFile Name :	133SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.33	1.38	1.39	1.37	2.28	ppb
Vanadium	51-2	163.31	163.32	164.30	163.64	0.35	ppb
Yttrium	89-1				111		%
Yttrium	89-2				106		%
Zinc	66-2	10707.77	10672.93	10641.67	10674.12	0.31	ppb
Zirconium	90-1	103.14	105.36	105.71	104.74	1.33	ppb
Zirconium	91-1	104.33	105.43	106.91	105.56	1.23	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-06	Instrumnet Name :	P7
Client Sample ID :	MYDBD9	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:19:45	DataFile Name :	134SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	91782.59	82552.46	83130.05	85821.70	6.02	ppb
Antimony	121-1	15.96	16.37	17.73	16.69	5.56	ppb
Arsenic	75-2	806.95	749.02	730.16	762.04	5.25	ppb
Barium	135-1	911.79	931.78	1016.26	953.28	5.82	ppb
Barium	137-1	1010.25	1024.69	1107.25	1047.39	5.00	ppb
Beryllium	9-1	5.45	6.07	6.02	5.85	5.91	ppb
Bismuth	209-1				125		%
Bismuth	209-2				122		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	25.25	26.28	29.91	27.14	9.02	ppb
Cadmium	106-1	27.73	27.59	29.84	28.39	4.44	ppb
Cadmium	111-1	24.86	25.78	27.80	26.15	5.75	ppb
Calcium	43-1	18060.95	18540.14	20073.90	18891.66	5.57	ppb
Calcium	44-1	17801.37	17900.37	19312.76	18338.16	4.61	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	278.95	251.28	251.77	260.67	6.08	ppb
Cobalt	59-2	64.52	58.38	58.90	60.60	5.62	ppb
Copper	63-2	5801.71	5246.62	5184.92	5411.08	6.28	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				107		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	56-2	95552.83	86446.18	86865.54	89621.52	5.74	ppb
Iron	57-2	94025.99	82956.39	84414.20	87132.19	6.90	ppb
Iron	54-2	96253.80	85780.49	86779.55	89604.62	6.45	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-06	Instrumnet Name :	P7
Client Sample ID :	MYDBD9	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:19:45	DataFile Name :	134SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1233.16	1260.26	1360.46	1284.63	5.22	ppb
Lead	207-1	1253.96	1267.98	1376.33	1299.43	5.15	ppb
Lead	208-1	1233.96	1260.15	1359.25	1284.45	5.15	ppb
Lithium	6-1				80		%
Magnesium	24-2	27023.72	24275.53	24793.64	25364.29	5.76	ppb
Manganese	55-2	2095.68	1869.50	1912.52	1959.23	6.13	ppb
Molybdenum	94-1	59.74	60.66	65.17	61.86	4.70	ppb
Molybdenum	95-1	4.17	4.41	4.68	4.42	5.75	ppb
Molybdenum	96-1	10.53	10.58	11.42	10.84	4.63	ppb
Molybdenum	97-1	4.22	4.36	4.65	4.41	5.02	ppb
Molybdenum	98-1	4.25	4.29	4.61	4.38	4.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	276.47	250.45	251.51	259.47	5.68	ppb
Phosphorus	31-2	6746.08	6099.85	6119.93	6321.95	5.81	ppb
Potassium	39-2	6921.00	6266.00	6332.93	6506.64	5.54	ppb
Rhodium	103-1				100		%
Rhodium	103-2				102		%
Scandium	45-1				107		%
Scandium	45-2				106		%
Selenium	82-1	9.78	10.46	11.59	10.61	8.59	ppb
Selenium	77-2	34.37	38.78	35.23	36.13	6.46	ppb
Selenium	78-2	18.41	14.57	12.55	15.18	19.60	ppb
Silicon	28-1	2376.19	2410.29	2644.74	2477.07	5.90	ppb
Silver	107-1	15.35	15.52	16.93	15.93	5.46	ppb
Silver	109-1	15.40	15.73	16.86	16.00	4.80	ppb
Sodium	23-2	1502.04	1342.28	1373.14	1405.82	6.03	ppb
Strontium	86-1	308.15	310.40	335.61	318.05	4.79	ppb
Strontium	88-1	320.71	320.92	350.80	330.81	5.23	ppb
Sulfur	34-1	-2340.18	-2439.51	-1760.09	-2179.93		ppb
Terbium	159-1				108		%
Terbium	159-2				103		%
Thallium	203-1	0.56	0.58	0.62	0.59	4.87	ppb
Thallium	205-1	0.60	0.58	0.62	0.60	3.76	ppb
Tin	118-1	34.89	35.66	38.79	36.45	5.67	ppb
Titanium	47-1	2120.89	2122.94	2364.22	2202.68	6.35	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-06	Instrumnet Name :	P7
Client Sample ID :	MYDBD9	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:19:45	DataFile Name :	134SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.95	1.96	2.12	2.01	4.55	ppb
Vanadium	51-2	155.57	139.74	140.99	145.43	6.05	ppb
Yttrium	89-1				112		%
Yttrium	89-2				108		%
Zinc	66-2	3203.88	2868.77	2897.24	2989.97	6.21	ppb
Zirconium	90-1	34.13	34.68	37.30	35.37	4.79	ppb
Zirconium	91-1	34.54	34.36	37.04	35.31	4.25	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-07	Instrumnet Name :	P7
Client Sample ID :	MYDBE0	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:30:10	DataFile Name :	136SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	90539.72	90189.15	89822.38	90183.75	0.40	ppb
Antimony	121-1	19.46	19.71	19.97	19.71	1.29	ppb
Arsenic	75-2	858.72	844.18	864.54	855.81	1.23	ppb
Barium	135-1	1327.69	1365.34	1370.17	1354.40	1.72	ppb
Barium	137-1	1342.71	1384.95	1379.51	1369.06	1.68	ppb
Beryllium	9-1	6.55	6.90	6.55	6.67	3.02	ppb
Bismuth	209-1				124		%
Bismuth	209-2				119		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	27.73	29.58	30.00	29.10	4.15	ppb
Cadmium	106-1	30.59	30.49	31.32	30.80	1.48	ppb
Cadmium	111-1	28.45	28.95	28.59	28.66	0.89	ppb
Calcium	43-1	18436.13	18981.69	18696.60	18704.81	1.46	ppb
Calcium	44-1	18089.59	18582.62	18230.85	18301.02	1.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	280.47	279.80	277.97	279.41	0.46	ppb
Cobalt	59-2	73.35	73.58	73.51	73.48	0.16	ppb
Copper	63-2	6056.13	6016.97	5923.27	5998.79	1.14	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				103		%
Indium	115-1				104		%
Indium	115-2				98		%
Iron	56-2	101583.14	100988.94	102663.52	101745.20	0.83	ppb
Iron	57-2	100137.13	99796.22	100311.64	100081.66	0.26	ppb
Iron	54-2	102649.95	102531.87	100756.85	101979.56	1.04	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-07	Instrumnet Name :	P7
Client Sample ID :	MYDBE0	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:30:10	DataFile Name :	136SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1340.70	1389.54	1395.51	1375.25	2.19	ppb
Lead	207-1	1365.56	1410.04	1422.39	1399.33	2.14	ppb
Lead	208-1	1353.56	1392.92	1398.10	1381.52	1.76	ppb
Lithium	6-1				74		%
Magnesium	24-2	25326.05	24954.32	25180.34	25153.57	0.74	ppb
Manganese	55-2	2413.35	2388.81	2419.42	2407.19	0.67	ppb
Molybdenum	94-1	69.03	70.73	72.10	70.62	2.18	ppb
Molybdenum	95-1	4.73	4.55	4.83	4.70	3.04	ppb
Molybdenum	96-1	11.80	12.17	12.35	12.11	2.32	ppb
Molybdenum	97-1	4.60	4.56	4.95	4.71	4.53	ppb
Molybdenum	98-1	4.63	4.57	4.74	4.65	1.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	265.50	265.13	264.42	265.02	0.21	ppb
Phosphorus	31-2	6334.63	6275.34	6379.49	6329.82	0.83	ppb
Potassium	39-2	6920.12	6975.35	6882.81	6926.10	0.67	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				107		%
Scandium	45-2				107		%
Selenium	82-1	11.96	11.56	12.10	11.87	2.38	ppb
Selenium	77-2	40.89	42.33	37.02	40.08	6.85	ppb
Selenium	78-2	13.18	18.18	14.65	15.34	16.75	ppb
Silicon	28-1	1927.94	1953.57	1935.24	1938.92	0.68	ppb
Silver	107-1	17.43	17.83	17.88	17.71	1.41	ppb
Silver	109-1	17.35	17.78	17.68	17.60	1.28	ppb
Sodium	23-2	918.48	917.43	915.90	917.27	0.14	ppb
Strontium	86-1	305.41	312.14	315.75	311.10	1.69	ppb
Strontium	88-1	322.91	327.00	330.91	326.94	1.22	ppb
Sulfur	34-1	-2260.75	-2262.28	-2424.87	-2315.97		ppb
Terbium	159-1				106		%
Terbium	159-2				102		%
Thallium	203-1	0.69	0.67	0.63	0.66	4.71	ppb
Thallium	205-1	0.65	0.62	0.64	0.63	1.85	ppb
Tin	118-1	37.93	38.90	38.61	38.48	1.29	ppb
Titanium	47-1	2378.67	2405.16	2413.69	2399.17	0.76	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-07	Instrumnet Name :	P7
Client Sample ID :	MYDBE0	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:30:10	DataFile Name :	136SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.15	2.14	2.17	2.15	0.52	ppb
Vanadium	51-2	163.14	163.65	162.55	163.11	0.34	ppb
Yttrium	89-1				112		%
Yttrium	89-2				109		%
Zinc	66-2	3187.28	3155.28	3136.25	3159.60	0.82	ppb
Zirconium	90-1	38.97	40.04	40.69	39.90	2.17	ppb
Zirconium	91-1	39.62	39.92	40.72	40.09	1.42	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-08DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE1	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:33:11	DataFile Name :	137SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	94508.86	96287.97	95352.80	95383.21	0.93	ppb
Antimony	121-1	22.61	22.15	23.11	22.63	2.12	ppb
Arsenic	75-2	225.62	228.88	230.93	228.48	1.17	ppb
Barium	135-1	371.07	372.68	378.96	374.24	1.11	ppb
Barium	137-1	374.34	376.42	386.18	378.98	1.67	ppb
Beryllium	9-1	8.57	8.70	9.03	8.77	2.73	ppb
Bismuth	209-1				123		%
Bismuth	209-2				118		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	18.68	19.55	19.10	19.11	2.29	ppb
Cadmium	106-1	19.11	18.09	19.70	18.97	4.31	ppb
Cadmium	111-1	16.15	16.22	17.27	16.55	3.77	ppb
Calcium	43-1	14105.32	13629.70	13789.19	13841.40	1.75	ppb
Calcium	44-1	13301.87	13391.22	13351.04	13348.05	0.34	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	259.96	260.85	260.24	260.35	0.17	ppb
Cobalt	59-2	27.32	27.13	27.32	27.26	0.41	ppb
Copper	63-2	4705.91	4781.80	4729.30	4739.00	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				108		%
Holmium	165-2				104		%
Indium	115-1				107		%
Indium	115-2				101		%
Iron	56-2	34368.61	34698.60	34260.44	34442.55	0.66	ppb
Iron	57-2	34071.64	34513.25	33913.23	34166.04	0.91	ppb
Iron	54-2	34024.86	34662.73	34921.77	34536.46	1.34	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-08DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE1	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:33:11	DataFile Name :	137SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	746.18	732.07	752.84	743.70	1.43	ppb
Lead	207-1	746.18	746.41	757.31	749.97	0.85	ppb
Lead	208-1	737.66	729.28	750.37	739.10	1.44	ppb
Lithium	6-1				77		%
Magnesium	24-2	14698.26	14933.25	14555.69	14729.07	1.29	ppb
Manganese	55-2	916.74	919.46	933.04	923.08	0.95	ppb
Molybdenum	94-1	40.99	41.69	42.30	41.66	1.57	ppb
Molybdenum	95-1	5.33	5.47	5.51	5.44	1.66	ppb
Molybdenum	96-1	9.22	9.45	9.46	9.37	1.46	ppb
Molybdenum	97-1	5.52	5.41	5.56	5.50	1.42	ppb
Molybdenum	98-1	5.32	5.53	5.52	5.46	2.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	178.26	179.69	179.41	179.12	0.42	ppb
Phosphorus	31-2	1836.05	1828.33	1846.89	1837.09	0.51	ppb
Potassium	39-2	3244.54	3281.30	3249.09	3258.31	0.62	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				105		%
Scandium	45-2				104		%
Selenium	82-1	6.70	7.01	6.49	6.74	3.89	ppb
Selenium	77-2	14.64	12.26	13.10	13.33	9.06	ppb
Selenium	78-2	7.41	8.52	8.25	8.06	7.19	ppb
Silicon	28-1	1574.15	1570.28	1635.96	1593.46	2.31	ppb
Silver	107-1	8.89	8.68	9.10	8.89	2.33	ppb
Silver	109-1	8.98	8.91	9.05	8.98	0.75	ppb
Sodium	23-2	354.21	349.56	354.21	352.66	0.76	ppb
Strontium	86-1	94.76	96.80	97.76	96.44	1.59	ppb
Strontium	88-1	99.83	99.41	103.60	100.95	2.29	ppb
Sulfur	34-1	-2223.26	-2452.37	-2358.57	-2344.74		ppb
Terbium	159-1				110		%
Terbium	159-2				104		%
Thallium	203-1	0.20	0.21	0.24	0.22	8.62	ppb
Thallium	205-1	0.24	0.21	0.23	0.22	6.57	ppb
Tin	118-1	48.78	49.70	50.66	49.71	1.89	ppb
Titanium	47-1	1011.59	1000.46	1020.18	1010.74	0.98	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-08DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE1	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:33:11	DataFile Name :	137SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.95	0.96	0.95	0.95	0.94	ppb
Vanadium	51-2	61.69	62.31	61.16	61.72	0.94	ppb
Yttrium	89-1				108		%
Yttrium	89-2				105		%
Zinc	66-2	4252.87	4257.53	4208.35	4239.58	0.64	ppb
Zirconium	90-1	21.57	22.22	22.25	22.01	1.75	ppb
Zirconium	91-1	21.65	23.00	22.70	22.45	3.17	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-11DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE4	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:36:12	DataFile Name :	138SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	62382.47	62797.09	62935.66	62705.07	0.46	ppb
Antimony	121-1	10.03	10.58	10.78	10.47	3.74	ppb
Arsenic	75-2	251.30	248.76	245.94	248.67	1.08	ppb
Barium	135-1	420.91	442.72	448.72	437.45	3.35	ppb
Barium	137-1	425.11	438.51	440.24	434.62	1.91	ppb
Beryllium	9-1	4.44	4.63	4.63	4.56	2.42	ppb
Bismuth	209-1				120		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	15.75	15.13	15.63	15.50	2.10	ppb
Cadmium	106-1	13.86	16.47	15.26	15.20	8.59	ppb
Cadmium	111-1	13.23	13.86	14.15	13.75	3.41	ppb
Calcium	43-1	8010.75	8209.29	8342.66	8187.57	2.04	ppb
Calcium	44-1	7811.87	8081.61	8172.22	8021.90	2.34	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	171.94	174.70	174.62	173.75	0.90	ppb
Cobalt	59-2	25.17	25.38	25.31	25.29	0.41	ppb
Copper	63-2	3187.73	3257.69	3231.99	3225.80	1.10	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				108		%
Holmium	165-2				104		%
Indium	115-1				107		%
Indium	115-2				102		%
Iron	56-2	35409.12	35777.43	35190.34	35458.96	0.84	ppb
Iron	57-2	35074.65	35547.46	34970.71	35197.61	0.87	ppb
Iron	54-2	35668.07	35495.19	35865.50	35676.25	0.52	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-11DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE4	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:36:12	DataFile Name :	138SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	654.60	687.03	675.26	672.30	2.44	ppb
Lead	207-1	663.54	688.24	680.71	677.50	1.87	ppb
Lead	208-1	656.43	676.05	670.40	667.63	1.51	ppb
Lithium	6-1				83		%
Magnesium	24-2	10363.72	10389.70	10394.60	10382.67	0.16	ppb
Manganese	55-2	866.24	879.56	884.39	876.73	1.07	ppb
Molybdenum	94-1	34.90	36.40	36.23	35.84	2.29	ppb
Molybdenum	95-1	3.01	3.06	3.11	3.06	1.56	ppb
Molybdenum	96-1	6.59	6.83	6.74	6.72	1.82	ppb
Molybdenum	97-1	2.96	3.09	3.03	3.02	2.10	ppb
Molybdenum	98-1	3.04	3.04	3.09	3.06	0.93	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	135.13	138.52	137.42	137.02	1.26	ppb
Phosphorus	31-2	2547.24	2580.42	2490.38	2539.35	1.79	ppb
Potassium	39-2	3495.66	3538.61	3516.27	3516.85	0.61	ppb
Rhodium	103-1				104		%
Rhodium	103-2				104		%
Scandium	45-1				106		%
Scandium	45-2				104		%
Selenium	82-1	5.28	5.64	3.98	4.97	17.62	ppb
Selenium	77-2	16.72	14.62	13.48	14.94	11.02	ppb
Selenium	78-2	3.13	5.83	5.87	4.94	31.77	ppb
Silicon	28-1	1361.47	1415.27	1438.42	1405.05	2.81	ppb
Silver	107-1	6.41	6.69	6.87	6.66	3.48	ppb
Silver	109-1	6.34	6.72	6.76	6.61	3.56	ppb
Sodium	23-2	265.12	267.60	271.32	268.01	1.16	ppb
Strontium	86-1	94.27	97.26	96.83	96.12	1.68	ppb
Strontium	88-1	99.49	100.24	103.11	100.94	1.89	ppb
Sulfur	34-1	-3307.37	-3241.99	-3293.97	-3281.11		ppb
Terbium	159-1				109		%
Terbium	159-2				105		%
Thallium	203-1	0.20	0.23	0.22	0.22	5.62	ppb
Thallium	205-1	0.23	0.22	0.22	0.22	2.32	ppb
Tin	118-1	33.53	34.41	35.02	34.32	2.19	ppb
Titanium	47-1	1001.41	1013.51	1019.67	1011.53	0.92	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-11DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE4	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:36:12	DataFile Name :	138SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.74	0.80	0.71	0.75	6.40	ppb
Vanadium	51-2	57.31	58.14	57.51	57.65	0.75	ppb
Yttrium	89-1				110		%
Yttrium	89-2				106		%
Zinc	66-2	2220.70	2219.04	2226.14	2221.96	0.17	ppb
Zirconium	90-1	19.88	20.44	20.90	20.40	2.50	ppb
Zirconium	91-1	20.01	20.60	21.06	20.56	2.56	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-12DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE5	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:39:17	DataFile Name :	139SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	61792.02	60535.55	60344.52	60890.70	1.29	ppb
Antimony	121-1	12.29	12.44	12.82	12.52	2.17	ppb
Arsenic	75-2	375.19	370.05	377.70	374.31	1.04	ppb
Barium	135-1	980.01	1055.06	1098.16	1044.41	5.72	ppb
Barium	137-1	1066.16	1089.37	1111.51	1089.01	2.08	ppb
Beryllium	9-1	4.60	4.65	4.42	4.56	2.64	ppb
Bismuth	209-1				118		%
Bismuth	209-2				114		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	16.86	18.36	18.76	17.99	5.56	ppb
Cadmium	106-1	19.11	16.77	18.76	18.21	6.93	ppb
Cadmium	111-1	16.83	16.30	17.46	16.86	3.44	ppb
Calcium	43-1	11083.56	11204.69	11645.12	11311.12	2.61	ppb
Calcium	44-1	10768.85	11028.06	11358.14	11051.69	2.67	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	160.32	157.09	158.03	158.48	1.05	ppb
Cobalt	59-2	35.39	35.11	34.89	35.13	0.70	ppb
Copper	63-2	4759.64	4738.66	4743.31	4747.20	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				108		%
Holmium	165-2				106		%
Indium	115-1				106		%
Indium	115-2				102		%
Iron	56-2	124002.00	122378.91	123588.12	123323.01	0.68	ppb
Iron	57-2	122853.64	121039.44	122558.95	122150.68	0.80	ppb
Iron	54-2	123824.73	121134.91	123957.29	122972.31	1.30	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-12DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE5	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:39:17	DataFile Name :	139SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1281.98	1259.46	1306.63	1282.69	1.84	ppb
Lead	207-1	1268.23	1269.07	1305.40	1280.90	1.66	ppb
Lead	208-1	1260.92	1266.26	1298.34	1275.17	1.59	ppb
Lithium	6-1				79		%
Magnesium	24-2	12222.40	12305.56	12089.79	12205.92	0.89	ppb
Manganese	55-2	1260.10	1242.48	1264.75	1255.77	0.94	ppb
Molybdenum	94-1	29.97	30.47	31.62	30.69	2.76	ppb
Molybdenum	95-1	4.17	4.18	4.16	4.17	0.33	ppb
Molybdenum	96-1	7.52	7.73	7.78	7.68	1.84	ppb
Molybdenum	97-1	3.98	4.22	4.18	4.13	3.06	ppb
Molybdenum	98-1	4.12	4.16	4.18	4.15	0.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	132.40	130.29	131.11	131.27	0.81	ppb
Phosphorus	31-2	2333.53	2287.00	2324.90	2315.14	1.07	ppb
Potassium	39-2	6303.03	6162.05	6284.93	6250.00	1.23	ppb
Rhodium	103-1				103		%
Rhodium	103-2				104		%
Scandium	45-1				107		%
Scandium	45-2				105		%
Selenium	82-1	11.07	10.29	10.41	10.59	3.98	ppb
Selenium	77-2	23.76	17.03	28.88	23.23	25.59	ppb
Selenium	78-2	13.62	8.27	10.94	10.94	24.44	ppb
Silicon	28-1	1393.98	1390.68	1430.89	1405.19	1.59	ppb
Silver	107-1	11.34	11.45	11.55	11.45	0.93	ppb
Silver	109-1	11.18	11.30	11.69	11.39	2.37	ppb
Sodium	23-2	390.34	382.84	389.45	387.54	1.06	ppb
Strontium	86-1	126.69	129.75	130.66	129.03	1.61	ppb
Strontium	88-1	133.97	138.42	137.59	136.66	1.73	ppb
Sulfur	34-1	-1679.29	-1620.14	-1429.52	-1576.32		ppb
Terbium	159-1				108		%
Terbium	159-2				105		%
Thallium	203-1	0.37	0.33	0.32	0.34	7.86	ppb
Thallium	205-1	0.34	0.36	0.36	0.35	3.62	ppb
Tin	118-1	233.70	234.07	240.70	236.16	1.67	ppb
Titanium	47-1	951.62	958.36	977.94	962.64	1.42	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-12DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE5	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:39:17	DataFile Name :	139SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.87	0.85	0.89	0.87	1.97	ppb
Vanadium	51-2	71.19	70.42	71.50	71.04	0.78	ppb
Yttrium	89-1				109		%
Yttrium	89-2				106		%
Zinc	66-2	3995.23	3949.85	4077.15	4007.41	1.61	ppb
Zirconium	90-1	16.10	16.30	16.58	16.33	1.49	ppb
Zirconium	91-1	16.06	16.61	16.84	16.50	2.42	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-20DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBF1	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:42:17	DataFile Name :	140SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51301.67	51514.98	50894.05	51236.90	0.62	ppb
Antimony	121-1	7.14	6.07	6.06	6.42	9.67	ppb
Arsenic	75-2	181.59	178.63	178.59	179.60	0.96	ppb
Barium	135-1	451.45	384.22	379.96	405.21	9.90	ppb
Barium	137-1	451.53	385.63	382.12	406.43	9.62	ppb
Beryllium	9-1	4.48	3.81	3.97	4.09	8.54	ppb
Bismuth	209-1				113		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	16.58	14.67	16.24	15.83	6.45	ppb
Cadmium	106-1	20.23	14.67	16.23	17.04	16.82	ppb
Cadmium	111-1	17.32	14.59	14.32	15.41	10.75	ppb
Calcium	43-1	10425.17	8934.34	8926.80	9428.77	9.15	ppb
Calcium	44-1	10055.12	8705.55	8615.17	9125.28	8.84	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	123.16	122.51	122.08	122.58	0.44	ppb
Cobalt	59-2	33.06	33.31	33.49	33.29	0.65	ppb
Copper	63-2	3013.62	2999.81	3002.84	3005.42	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				105		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	47430.41	48124.85	47699.19	47751.49	0.73	ppb
Iron	57-2	46583.11	47074.49	46652.99	46770.20	0.57	ppb
Iron	54-2	47023.72	48402.44	47293.38	47573.18	1.54	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-20DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBF1	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:42:17	DataFile Name :	140SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	598.76	533.30	515.00	549.02	8.02	ppb
Lead	207-1	587.54	531.34	519.96	546.28	6.62	ppb
Lead	208-1	591.78	527.85	519.67	546.43	7.23	ppb
Lithium	6-1				77		%
Magnesium	24-2	11465.99	11501.49	11427.34	11464.94	0.32	ppb
Manganese	55-2	978.49	1001.94	995.90	992.11	1.23	ppb
Molybdenum	94-1	36.69	32.29	32.22	33.73	7.59	ppb
Molybdenum	95-1	2.44	2.06	2.11	2.20	9.39	ppb
Molybdenum	96-1	6.52	5.56	5.55	5.88	9.47	ppb
Molybdenum	97-1	2.46	2.03	2.04	2.18	11.18	ppb
Molybdenum	98-1	2.38	2.01	2.16	2.18	8.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	105.63	107.38	107.17	106.72	0.89	ppb
Phosphorus	31-2	1934.83	1969.09	1888.24	1930.72	2.10	ppb
Potassium	39-2	5039.81	5026.08	4944.21	5003.36	1.03	ppb
Rhodium	103-1				99		%
Rhodium	103-2				104		%
Scandium	45-1				101		%
Scandium	45-2				105		%
Selenium	82-1	5.03	3.79	5.31	4.71	17.15	ppb
Selenium	77-2	15.11	9.48	14.42	13.00	23.59	ppb
Selenium	78-2	3.28	4.79	5.79	4.62	27.30	ppb
Silicon	28-1	1598.68	1371.00	1349.80	1439.83	9.58	ppb
Silver	107-1	7.83	6.67	6.62	7.04	9.69	ppb
Silver	109-1	7.65	6.72	6.59	6.99	8.27	ppb
Sodium	23-2	314.47	319.63	320.40	318.17	1.01	ppb
Strontium	86-1	86.33	74.81	75.02	78.72	8.37	ppb
Strontium	88-1	90.54	78.07	74.51	81.04	10.39	ppb
Sulfur	34-1	-934.55	-2197.56	-2367.80	-1833.30		ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	0.28	0.23	0.25	0.25	11.12	ppb
Thallium	205-1	0.28	0.23	0.24	0.25	10.85	ppb
Tin	118-1	30.54	26.21	25.55	27.43	9.88	ppb
Titanium	47-1	982.51	863.95	842.74	896.40	8.40	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-20DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBF1	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:42:17	DataFile Name :	140SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.74	0.66	0.63	0.68	8.40	ppb
Vanadium	51-2	78.15	78.75	79.04	78.65	0.58	ppb
Yttrium	89-1				105		%
Yttrium	89-2				107		%
Zinc	66-2	1801.14	1809.57	1813.76	1808.16	0.36	ppb
Zirconium	90-1	21.40	18.47	18.66	19.51	8.39	ppb
Zirconium	91-1	21.30	18.73	18.32	19.45	8.28	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-22DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBF3	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:45:22	DataFile Name :	141SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	95309.33	94510.75	96154.78	95324.96	0.86	ppb
Antimony	121-1	11.76	11.57	12.21	11.84	2.77	ppb
Arsenic	75-2	176.23	175.85	175.20	175.76	0.30	ppb
Barium	135-1	383.67	375.42	393.69	384.26	2.38	ppb
Barium	137-1	392.48	367.42	390.43	383.44	3.63	ppb
Beryllium	9-1	9.11	8.36	8.37	8.62	5.01	ppb
Bismuth	209-1				128		%
Bismuth	209-2				119		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	18.90	18.41	19.11	18.81	1.92	ppb
Cadmium	106-1	18.61	17.01	19.43	18.35	6.71	ppb
Cadmium	111-1	16.80	16.14	17.01	16.65	2.70	ppb
Calcium	43-1	9703.49	9395.68	9916.80	9671.99	2.71	ppb
Calcium	44-1	9307.97	9254.99	9505.51	9356.16	1.41	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	252.12	249.30	253.75	251.72	0.89	ppb
Cobalt	59-2	23.51	23.21	23.47	23.40	0.69	ppb
Copper	63-2	4739.10	4709.86	4758.30	4735.75	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				108		%
Holmium	165-2				103		%
Indium	115-1				105		%
Indium	115-2				98		%
Iron	56-2	39382.49	39134.29	39215.23	39244.00	0.32	ppb
Iron	57-2	38796.38	39052.16	39129.16	38992.57	0.45	ppb
Iron	54-2	39367.76	38782.00	39803.30	39317.69	1.30	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-22DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBF3	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:45:22	DataFile Name :	141SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	631.25	614.01	645.64	630.30	2.51	ppb
Lead	207-1	621.80	607.80	647.49	625.70	3.22	ppb
Lead	208-1	621.40	605.83	641.58	622.94	2.88	ppb
Lithium	6-1				79		%
Magnesium	24-2	15379.42	15162.01	15175.76	15239.06	0.80	ppb
Manganese	55-2	933.18	907.15	930.90	923.74	1.56	ppb
Molybdenum	94-1	52.14	51.50	52.66	52.10	1.12	ppb
Molybdenum	95-1	4.92	4.69	5.00	4.87	3.27	ppb
Molybdenum	96-1	10.25	9.56	9.84	9.88	3.51	ppb
Molybdenum	97-1	4.60	4.95	4.92	4.83	4.01	ppb
Molybdenum	98-1	4.98	4.56	4.88	4.81	4.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	172.76	172.71	174.19	173.22	0.49	ppb
Phosphorus	31-2	1434.83	1390.49	1469.94	1431.75	2.78	ppb
Potassium	39-2	4505.04	4458.60	4511.90	4491.85	0.65	ppb
Rhodium	103-1				104		%
Rhodium	103-2				101		%
Scandium	45-1				105		%
Scandium	45-2				102		%
Selenium	82-1	7.69	5.85	7.18	6.91	13.77	ppb
Selenium	77-2	14.71	12.57	15.27	14.18	10.05	ppb
Selenium	78-2	8.69	9.14	6.21	8.01	19.65	ppb
Silicon	28-1	1657.49	1552.52	1597.40	1602.47	3.29	ppb
Silver	107-1	7.81	7.61	7.95	7.79	2.18	ppb
Silver	109-1	7.97	7.42	7.93	7.77	3.93	ppb
Sodium	23-2	389.52	386.00	395.66	390.40	1.25	ppb
Strontium	86-1	76.74	73.95	77.49	76.06	2.45	ppb
Strontium	88-1	80.99	78.21	80.98	80.06	2.00	ppb
Sulfur	34-1	-2483.62	-2828.62	-2777.92	-2696.72		ppb
Terbium	159-1				108		%
Terbium	159-2				104		%
Thallium	203-1	0.20	0.19	0.21	0.20	4.03	ppb
Thallium	205-1	0.20	0.20	0.21	0.20	1.57	ppb
Tin	118-1	58.72	55.99	58.70	57.80	2.72	ppb
Titanium	47-1	1181.38	1130.00	1176.53	1162.63	2.44	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-22DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBF3	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:45:22	DataFile Name :	141SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.84	0.79	0.83	0.82	3.31	ppb
Vanadium	51-2	68.97	68.57	69.87	69.13	0.97	ppb
Yttrium	89-1				108		%
Yttrium	89-2				103		%
Zinc	66-2	3167.31	3169.28	3210.31	3182.30	0.76	ppb
Zirconium	90-1	29.19	28.38	29.72	29.10	2.33	ppb
Zirconium	91-1	29.66	28.28	29.06	29.00	2.39	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13A	Instrumnet Name :	P7
Client Sample ID :	MYDBE6ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:48:24	DataFile Name :	142SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	73270.43	73363.75	72743.06	73125.75	0.46	ppb
Antimony	121-1	8.21	8.26	8.39	8.29	1.13	ppb
Arsenic	75-2	1097.83	1095.03	1080.01	1090.95	0.88	ppb
Barium	135-1	1284.89	1280.40	1343.20	1302.83	2.69	ppb
Barium	137-1	1288.69	1307.24	1321.30	1305.75	1.25	ppb
Beryllium	9-1	4.50	4.44	4.41	4.45	1.07	ppb
Bismuth	209-1				116		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	22.90	22.98	24.54	23.47	3.93	ppb
Cadmium	106-1	24.58	26.62	24.80	25.33	4.41	ppb
Cadmium	111-1	18.95	18.62	19.37	18.98	1.96	ppb
Calcium	43-1	21253.85	21034.42	21456.30	21248.19	0.99	ppb
Calcium	44-1	20230.91	20186.53	20708.48	20375.30	1.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	206.91	207.83	205.42	206.72	0.59	ppb
Cobalt	59-2	58.79	59.66	59.06	59.17	0.76	ppb
Copper	63-2	3408.59	3467.57	3429.70	3435.29	0.87	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				104		%
Indium	115-1				104		%
Indium	115-2				99		%
Iron	56-2	77755.06	78225.84	77707.81	77896.24	0.37	ppb
Iron	57-2	75749.86	77021.89	76346.75	76372.83	0.83	ppb
Iron	54-2	77293.61	78372.85	77094.97	77587.14	0.89	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13A	Instrumnet Name :	P7
Client Sample ID :	MYDBE6ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:48:24	DataFile Name :	142SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	705.18	699.11	721.51	708.60	1.63	ppb
Lead	207-1	712.95	723.32	741.28	725.85	1.97	ppb
Lead	208-1	704.93	708.23	728.23	713.80	1.77	ppb
Lithium	6-1				79		%
Magnesium	24-2	20602.83	20907.14	20530.41	20680.13	0.97	ppb
Manganese	55-2	1998.58	2017.60	1980.05	1998.75	0.94	ppb
Molybdenum	94-1	80.56	82.68	81.61	81.62	1.30	ppb
Molybdenum	95-1	2.61	2.67	2.60	2.63	1.34	ppb
Molybdenum	96-1	11.22	11.26	11.20	11.23	0.28	ppb
Molybdenum	97-1	2.50	2.71	2.54	2.58	4.20	ppb
Molybdenum	98-1	2.48	2.57	2.50	2.52	1.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	227.97	230.71	230.95	229.88	0.72	ppb
Phosphorus	31-2	4955.33	5105.94	4937.26	4999.51	1.85	ppb
Potassium	39-2	6680.28	6863.31	6778.00	6773.87	1.35	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				106		%
Scandium	45-2				105		%
Selenium	82-1	24.37	26.37	25.70	25.48	4.01	ppb
Selenium	77-2	49.51	50.50	47.37	49.12	3.26	ppb
Selenium	78-2	29.75	29.34	27.12	28.74	4.91	ppb
Silicon	28-1	2443.64	2418.84	2478.09	2446.86	1.22	ppb
Silver	107-1	9.78	9.90	10.29	9.99	2.65	ppb
Silver	109-1	9.79	9.83	10.19	9.93	2.21	ppb
Sodium	23-2	823.56	840.56	834.37	832.83	1.03	ppb
Strontium	86-1	288.18	295.54	292.66	292.13	1.27	ppb
Strontium	88-1	298.62	301.87	307.28	302.59	1.45	ppb
Sulfur	34-1	-2699.74	-2756.86	-2780.68	-2745.76		ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	0.47	0.45	0.47	0.46	2.19	ppb
Thallium	205-1	0.48	0.48	0.51	0.49	3.50	ppb
Tin	118-1	21.82	22.02	22.80	22.21	2.33	ppb
Titanium	47-1	1883.47	1867.94	1919.52	1890.31	1.40	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13A	Instrumnet Name :	P7
Client Sample ID :	MYDBE6ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:48:24	DataFile Name :	142SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.78	1.82	1.85	1.82	1.81	ppb
Vanadium	51-2	137.98	139.72	139.08	138.93	0.63	ppb
Yttrium	89-1				111		%
Yttrium	89-2				108		%
Zinc	66-2	7201.77	7182.18	7217.51	7200.49	0.25	ppb
Zirconium	90-1	47.10	48.07	47.48	47.55	1.03	ppb
Zirconium	91-1	47.63	48.91	47.77	48.11	1.46	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-01DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD4	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:51:25	DataFile Name :	143SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	113927.67	113512.07	114049.97	113829.90	0.25	ppb
Antimony	121-1	14.29	14.66	15.19	14.71	3.07	ppb
Arsenic	75-2	171.22	163.89	166.21	167.11	2.24	ppb
Barium	135-1	354.84	358.21	368.92	360.66	2.04	ppb
Barium	137-1	347.80	350.09	359.43	352.44	1.75	ppb
Beryllium	9-1	7.47	8.15	7.62	7.75	4.64	ppb
Bismuth	209-1				123		%
Bismuth	209-2				116		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	20.25	20.44	20.20	20.30	0.64	ppb
Cadmium	106-1	19.29	19.29	19.54	19.37	0.76	ppb
Cadmium	111-1	17.95	18.34	18.53	18.28	1.61	ppb
Calcium	43-1	6968.05	7202.22	7275.49	7148.59	2.25	ppb
Calcium	44-1	6905.51	6910.75	7195.25	7003.84	2.37	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	296.22	298.12	296.77	297.04	0.33	ppb
Cobalt	59-2	21.27	21.22	21.47	21.32	0.60	ppb
Copper	63-2	4534.99	4514.67	4494.41	4514.69	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				108		%
Holmium	165-2				103		%
Indium	115-1				106		%
Indium	115-2				99		%
Iron	56-2	28442.19	28243.87	28542.63	28409.57	0.54	ppb
Iron	57-2	28253.61	27884.36	27736.19	27958.06	0.95	ppb
Iron	54-2	29173.31	28621.36	28389.44	28728.04	1.40	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-01DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD4	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:51:25	DataFile Name :	143SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	646.40	664.63	658.66	656.56	1.41	ppb
Lead	207-1	643.71	662.02	662.05	655.93	1.61	ppb
Lead	208-1	639.30	657.32	654.38	650.34	1.49	ppb
Lithium	6-1				80		%
Magnesium	24-2	16017.83	16217.50	15840.70	16025.34	1.18	ppb
Manganese	55-2	905.89	883.57	906.34	898.60	1.45	ppb
Molybdenum	94-1	46.44	47.82	48.53	47.60	2.24	ppb
Molybdenum	95-1	4.95	5.32	5.14	5.13	3.57	ppb
Molybdenum	96-1	9.49	9.68	9.48	9.55	1.18	ppb
Molybdenum	97-1	4.63	5.09	5.31	5.01	6.95	ppb
Molybdenum	98-1	5.06	5.11	5.15	5.10	0.91	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	183.70	184.63	184.45	184.26	0.27	ppb
Phosphorus	31-2	1653.73	1748.52	1706.39	1702.88	2.79	ppb
Potassium	39-2	3404.08	3411.48	3419.63	3411.73	0.23	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	4.24	6.08	4.08	4.80	23.16	ppb
Selenium	77-2	12.27	9.40	12.37	11.34	14.88	ppb
Selenium	78-2	5.09	5.24	2.03	4.12	43.94	ppb
Silicon	28-1	1799.26	1837.58	1840.00	1825.61	1.25	ppb
Silver	107-1	6.20	6.47	6.58	6.42	3.09	ppb
Silver	109-1	6.21	6.29	6.50	6.33	2.32	ppb
Sodium	23-2	438.59	441.35	441.28	440.41	0.36	ppb
Strontium	86-1	82.14	83.76	85.39	83.76	1.94	ppb
Strontium	88-1	87.27	89.98	90.71	89.32	2.03	ppb
Sulfur	34-1	-3208.60	-3219.34	-3024.41	-3150.78		ppb
Terbium	159-1				107		%
Terbium	159-2				103		%
Thallium	203-1	0.16	0.14	0.14	0.14	9.28	ppb
Thallium	205-1	0.14	0.15	0.15	0.15	6.05	ppb
Tin	118-1	56.49	57.38	58.31	57.39	1.59	ppb
Titanium	47-1	1012.14	1023.65	1038.75	1024.85	1.30	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-01DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD4	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:51:25	DataFile Name :	143SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.83	0.84	0.86	0.84	1.73	ppb
Vanadium	51-2	66.37	66.97	67.77	67.04	1.05	ppb
Yttrium	89-1				108		%
Yttrium	89-2				103		%
Zinc	66-2	3866.34	3876.47	3842.97	3861.93	0.44	ppb
Zirconium	90-1	25.72	26.63	26.29	26.21	1.74	ppb
Zirconium	91-1	25.20	25.91	26.31	25.81	2.19	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-02DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD5	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:54:28	DataFile Name :	144SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	58554.97	58706.78	58344.71	58535.49	0.31	ppb
Antimony	121-1	6.67	6.98	7.03	6.89	2.79	ppb
Arsenic	75-2	203.37	205.79	207.39	205.52	0.99	ppb
Barium	135-1	489.25	506.67	512.22	502.71	2.38	ppb
Barium	137-1	491.71	499.04	509.95	500.24	1.84	ppb
Beryllium	9-1	3.88	3.82	4.08	3.93	3.52	ppb
Bismuth	209-1				117		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	15.28	16.05	15.49	15.61	2.53	ppb
Cadmium	106-1	15.53	14.50	16.36	15.46	6.03	ppb
Cadmium	111-1	14.79	14.69	14.64	14.71	0.50	ppb
Calcium	43-1	8644.99	9095.01	8941.44	8893.81	2.57	ppb
Calcium	44-1	8579.44	8766.79	8802.03	8716.09	1.37	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	150.29	150.32	152.28	150.96	0.76	ppb
Cobalt	59-2	25.98	25.70	26.08	25.92	0.77	ppb
Copper	63-2	3164.61	3155.62	3126.99	3149.07	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				109		%
Holmium	165-2				105		%
Indium	115-1				105		%
Indium	115-2				101		%
Iron	56-2	66511.11	66678.70	65710.36	66300.06	0.78	ppb
Iron	57-2	65088.52	65108.67	65727.73	65308.30	0.56	ppb
Iron	54-2	66025.64	66407.81	66274.02	66235.82	0.29	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-02DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD5	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:54:28	DataFile Name :	144SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	684.44	718.18	696.14	699.59	2.45	ppb
Lead	207-1	674.87	720.03	723.52	706.14	3.84	ppb
Lead	208-1	678.03	713.71	706.79	699.51	2.71	ppb
Lithium	6-1				81		%
Magnesium	24-2	11486.85	11600.30	11845.79	11644.31	1.58	ppb
Manganese	55-2	961.38	963.76	960.50	961.88	0.18	ppb
Molybdenum	94-1	37.21	38.27	39.11	38.19	2.49	ppb
Molybdenum	95-1	2.41	2.41	2.53	2.45	2.86	ppb
Molybdenum	96-1	6.57	6.62	6.94	6.71	3.01	ppb
Molybdenum	97-1	2.33	2.33	2.48	2.38	3.76	ppb
Molybdenum	98-1	2.32	2.45	2.44	2.41	3.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	132.08	133.01	131.32	132.14	0.64	ppb
Phosphorus	31-2	1966.12	2090.34	1997.94	2018.13	3.20	ppb
Potassium	39-2	4429.37	4342.67	4325.22	4365.75	1.28	ppb
Rhodium	103-1				103		%
Rhodium	103-2				104		%
Scandium	45-1				105		%
Scandium	45-2				104		%
Selenium	82-1	5.12	4.35	5.44	4.97	11.34	ppb
Selenium	77-2	18.64	18.53	14.37	17.18	14.16	ppb
Selenium	78-2	6.83	2.60	7.40	5.61	46.72	ppb
Silicon	28-1	1354.19	1428.00	1430.41	1404.20	3.09	ppb
Silver	107-1	5.96	6.11	6.02	6.03	1.20	ppb
Silver	109-1	5.96	6.00	6.06	6.01	0.82	ppb
Sodium	23-2	224.27	223.92	225.12	224.44	0.28	ppb
Strontium	86-1	85.56	84.25	88.50	86.11	2.53	ppb
Strontium	88-1	89.32	88.87	91.65	89.94	1.66	ppb
Sulfur	34-1	-2733.83	-2637.05	-2602.96	-2657.95		ppb
Terbium	159-1				108		%
Terbium	159-2				105		%
Thallium	203-1	0.23	0.23	0.24	0.23	3.77	ppb
Thallium	205-1	0.22	0.23	0.23	0.23	3.01	ppb
Tin	118-1	96.61	98.35	100.56	98.51	2.01	ppb
Titanium	47-1	903.97	932.33	937.36	924.55	1.95	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-02DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD5	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:54:28	DataFile Name :	144SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.63	0.67	0.65	0.65	2.76	ppb
Vanadium	51-2	62.70	63.24	62.68	62.87	0.50	ppb
Yttrium	89-1				108		%
Yttrium	89-2				105		%
Zinc	66-2	2721.74	2723.45	2714.71	2719.97	0.17	ppb
Zirconium	90-1	21.68	21.93	22.71	22.11	2.44	ppb
Zirconium	91-1	21.69	21.56	22.93	22.06	3.43	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-03DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD6	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:57:33	DataFile Name :	145SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	134347.22	134004.82	134196.92	134182.99	0.13	ppb
Antimony	121-1	19.99	20.14	20.22	20.12	0.59	ppb
Arsenic	75-2	110.69	109.04	109.03	109.59	0.87	ppb
Barium	135-1	327.77	332.89	331.66	330.77	0.81	ppb
Barium	137-1	328.69	332.72	332.70	331.37	0.70	ppb
Beryllium	9-1	9.80	9.55	9.65	9.67	1.32	ppb
Bismuth	209-1				126		%
Bismuth	209-2				120		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	20.67	22.90	20.38	21.32	6.45	ppb
Cadmium	106-1	23.12	22.83	22.01	22.65	2.55	ppb
Cadmium	111-1	18.20	18.25	18.47	18.30	0.78	ppb
Calcium	43-1	6664.74	6621.21	6790.87	6692.27	1.32	ppb
Calcium	44-1	6443.08	6458.55	6652.07	6517.90	1.79	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	437.35	436.35	430.76	434.82	0.82	ppb
Cobalt	59-2	23.63	23.57	23.19	23.47	1.03	ppb
Copper	63-2	5913.27	5792.61	5778.00	5827.96	1.27	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				108		%
Holmium	165-2				104		%
Indium	115-1				105		%
Indium	115-2				100		%
Iron	56-2	27116.58	26849.47	26796.35	26920.80	0.64	ppb
Iron	57-2	26757.12	26065.99	26119.13	26314.08	1.46	ppb
Iron	54-2	27478.57	26961.31	27095.99	27178.62	0.99	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-03DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD6	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:57:33	DataFile Name :	145SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	787.55	805.70	787.87	793.71	1.31	ppb
Lead	207-1	787.25	790.96	796.93	791.71	0.62	ppb
Lead	208-1	780.64	785.86	787.45	784.65	0.45	ppb
Lithium	6-1				81		%
Magnesium	24-2	24064.52	23870.28	23614.94	23849.91	0.95	ppb
Manganese	55-2	924.78	936.12	922.81	927.90	0.77	ppb
Molybdenum	94-1	76.41	77.89	78.93	77.74	1.63	ppb
Molybdenum	95-1	7.76	8.18	8.19	8.04	3.04	ppb
Molybdenum	96-1	15.17	15.66	15.72	15.51	1.94	ppb
Molybdenum	97-1	8.12	7.99	8.16	8.09	1.09	ppb
Molybdenum	98-1	8.03	8.13	8.11	8.09	0.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	267.36	261.90	261.25	263.51	1.27	ppb
Phosphorus	31-2	1042.69	1024.30	1019.56	1028.85	1.19	ppb
Potassium	39-2	3535.23	3494.50	3604.26	3544.66	1.57	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				101		%
Selenium	82-1	4.68	5.20	7.02	5.64	21.78	ppb
Selenium	77-2	8.17	12.57	9.21	9.98	23.02	ppb
Selenium	78-2	1.82	5.76	6.92	4.83	55.33	ppb
Silicon	28-1	2111.19	2129.20	2207.62	2149.34	2.39	ppb
Silver	107-1	8.41	8.65	8.50	8.52	1.41	ppb
Silver	109-1	8.48	8.49	8.58	8.52	0.64	ppb
Sodium	23-2	450.10	442.06	441.07	444.41	1.11	ppb
Strontium	86-1	59.86	60.46	61.41	60.58	1.29	ppb
Strontium	88-1	59.63	60.92	61.05	60.53	1.30	ppb
Sulfur	34-1	-2461.49	-2570.47	-2557.81	-2529.92		ppb
Terbium	159-1				107		%
Terbium	159-2				103		%
Thallium	203-1	0.11	0.09	0.11	0.11	10.51	ppb
Thallium	205-1	0.12	0.12	0.12	0.12	2.43	ppb
Tin	118-1	74.23	75.58	75.11	74.97	0.91	ppb
Titanium	47-1	1134.02	1143.99	1167.21	1148.41	1.48	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-03DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD6	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:57:33	DataFile Name :	145SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.69	0.70	0.69	0.69	0.84	ppb
Vanadium	51-2	70.34	70.28	69.19	69.94	0.93	ppb
Yttrium	89-1				106		%
Yttrium	89-2				102		%
Zinc	66-2	4893.27	4785.07	4762.50	4813.62	1.45	ppb
Zirconium	90-1	42.54	43.06	43.41	43.00	1.02	ppb
Zirconium	91-1	42.09	43.57	43.73	43.13	2.10	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-04DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD7	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:00:35	DataFile Name :	146SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	77065.22	76110.38	74838.26	76004.62	1.47	ppb
Antimony	121-1	7.90	8.09	8.03	8.00	1.24	ppb
Arsenic	75-2	236.10	237.08	240.76	237.98	1.03	ppb
Barium	135-1	674.86	679.65	690.01	681.51	1.14	ppb
Barium	137-1	731.37	747.91	742.36	740.55	1.14	ppb
Beryllium	9-1	5.42	5.43	5.36	5.41	0.70	ppb
Bismuth	209-1				119		%
Bismuth	209-2				114		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	16.04	16.33	18.54	16.97	8.07	ppb
Cadmium	106-1	16.63	15.71	16.01	16.12	2.92	ppb
Cadmium	111-1	15.86	16.33	16.51	16.23	2.07	ppb
Calcium	43-1	11126.03	11274.51	11266.60	11222.38	0.74	ppb
Calcium	44-1	10775.55	10969.51	10822.17	10855.74	0.93	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	212.08	210.77	210.00	210.95	0.50	ppb
Cobalt	59-2	35.79	35.80	34.79	35.46	1.63	ppb
Copper	63-2	3481.94	3461.26	3408.39	3450.53	1.10	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				110		%
Holmium	165-2				105		%
Indium	115-1				107		%
Indium	115-2				100		%
Iron	56-2	48686.43	48212.98	47685.59	48195.00	1.04	ppb
Iron	57-2	47699.82	47195.52	47047.11	47314.15	0.72	ppb
Iron	54-2	49038.04	48395.55	48095.57	48509.72	0.99	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-04DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD7	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:00:35	DataFile Name :	146SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	582.87	580.75	606.51	590.05	2.42	ppb
Lead	207-1	582.75	591.09	617.57	597.14	3.04	ppb
Lead	208-1	585.07	589.35	607.34	593.92	1.99	ppb
Lithium	6-1				81		%
Magnesium	24-2	14444.97	14697.30	14299.45	14480.57	1.39	ppb
Manganese	55-2	1221.84	1211.63	1211.81	1215.09	0.48	ppb
Molybdenum	94-1	26.84	27.29	28.10	27.41	2.34	ppb
Molybdenum	95-1	3.47	3.53	3.60	3.53	1.82	ppb
Molybdenum	96-1	6.18	6.42	6.29	6.30	1.93	ppb
Molybdenum	97-1	3.47	3.43	3.66	3.52	3.44	ppb
Molybdenum	98-1	3.37	3.54	3.59	3.50	3.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	185.53	183.70	183.27	184.17	0.65	ppb
Phosphorus	31-2	3775.58	3822.56	3742.05	3780.07	1.07	ppb
Potassium	39-2	4344.07	4375.14	4296.02	4338.41	0.92	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				105		%
Scandium	45-2				104		%
Selenium	82-1	4.66	4.20	5.74	4.86	16.27	ppb
Selenium	77-2	17.75	18.81	22.79	19.78	13.44	ppb
Selenium	78-2	6.91	5.14	7.00	6.35	16.48	ppb
Silicon	28-1	1423.45	1452.48	1441.67	1439.20	1.02	ppb
Silver	107-1	6.12	6.18	6.33	6.21	1.76	ppb
Silver	109-1	6.04	5.99	6.26	6.10	2.32	ppb
Sodium	23-2	930.03	938.49	927.72	932.08	0.61	ppb
Strontium	86-1	198.79	202.17	202.27	201.08	0.99	ppb
Strontium	88-1	208.20	210.66	209.85	209.57	0.60	ppb
Sulfur	34-1	-2650.80	-2630.07	-2632.58	-2637.82		ppb
Terbium	159-1				109		%
Terbium	159-2				106		%
Thallium	203-1	0.23	0.23	0.27	0.24	8.77	ppb
Thallium	205-1	0.24	0.24	0.28	0.25	9.84	ppb
Tin	118-1	31.88	32.30	32.76	32.32	1.36	ppb
Titanium	47-1	1184.31	1214.99	1205.78	1201.70	1.31	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-04DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD7	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:00:35	DataFile Name :	146SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.06	1.07	1.10	1.07	1.79	ppb
Vanadium	51-2	86.09	86.25	84.84	85.73	0.90	ppb
Yttrium	89-1				110		%
Yttrium	89-2				106		%
Zinc	66-2	2409.95	2417.46	2375.33	2400.91	0.94	ppb
Zirconium	90-1	14.54	14.75	15.01	14.76	1.60	ppb
Zirconium	91-1	14.75	14.96	15.07	14.93	1.09	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-05DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD8	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:03:39	DataFile Name :	147SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	158806.69	156849.91	159934.73	158530.44	0.98	ppb
Antimony	121-1	23.64	23.74	23.44	23.61	0.66	ppb
Arsenic	75-2	133.50	133.90	138.17	135.19	1.91	ppb
Barium	135-1	376.67	386.35	378.38	380.46	1.36	ppb
Barium	137-1	381.07	378.50	383.48	381.02	0.65	ppb
Beryllium	9-1	11.70	11.75	12.95	12.13	5.85	ppb
Bismuth	209-1				132		%
Bismuth	209-2				124		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	24.29	26.56	24.76	25.20	4.75	ppb
Cadmium	106-1	25.65	27.01	27.07	26.58	3.03	ppb
Cadmium	111-1	21.11	21.16	21.18	21.15	0.16	ppb
Calcium	43-1	7976.96	8099.11	8187.05	8087.71	1.30	ppb
Calcium	44-1	7689.75	7901.90	7934.53	7842.06	1.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	413.26	413.01	411.62	412.63	0.21	ppb
Cobalt	59-2	24.73	24.49	24.39	24.54	0.73	ppb
Copper	63-2	6461.88	6396.37	6392.13	6416.79	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				108		%
Holmium	165-2				104		%
Indium	115-1				106		%
Indium	115-2				100		%
Iron	56-2	33623.03	33188.90	33364.67	33392.20	0.65	ppb
Iron	57-2	32861.86	33016.25	33284.66	33054.25	0.65	ppb
Iron	54-2	33935.90	33500.93	33707.85	33714.89	0.65	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-05DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD8	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:03:39	DataFile Name :	147SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	868.32	888.70	887.75	881.59	1.30	ppb
Lead	207-1	881.78	898.15	881.84	887.26	1.06	ppb
Lead	208-1	866.46	892.19	880.32	879.66	1.46	ppb
Lithium	6-1				83		%
Magnesium	24-2	28357.60	27739.86	28331.99	28143.15	1.24	ppb
Manganese	55-2	1059.04	1060.56	1051.45	1057.02	0.46	ppb
Molybdenum	94-1	94.11	97.28	97.98	96.46	2.14	ppb
Molybdenum	95-1	9.15	9.24	9.32	9.24	0.89	ppb
Molybdenum	96-1	18.42	18.63	19.28	18.78	2.39	ppb
Molybdenum	97-1	9.17	9.45	9.48	9.37	1.82	ppb
Molybdenum	98-1	9.08	9.46	9.28	9.27	2.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	236.98	238.98	235.66	237.21	0.70	ppb
Phosphorus	31-2	1316.05	1292.39	1353.37	1320.60	2.33	ppb
Potassium	39-2	4207.73	4284.74	4268.14	4253.54	0.95	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				104		%
Scandium	45-2				102		%
Selenium	82-1	10.55	10.27	9.95	10.26	2.94	ppb
Selenium	77-2	19.41	15.46	18.62	17.83	11.72	ppb
Selenium	78-2	8.68	10.60	8.16	9.15	14.06	ppb
Silicon	28-1	2104.80	2205.81	2224.71	2178.44	2.96	ppb
Silver	107-1	9.63	9.84	9.62	9.70	1.30	ppb
Silver	109-1	9.59	9.74	9.77	9.70	1.00	ppb
Sodium	23-2	529.38	526.37	529.10	528.28	0.31	ppb
Strontium	86-1	74.81	75.85	77.04	75.90	1.47	ppb
Strontium	88-1	73.80	78.90	80.58	77.76	4.54	ppb
Sulfur	34-1	-2198.92	-2212.78	-2075.61	-2162.44		ppb
Terbium	159-1				109		%
Terbium	159-2				105		%
Thallium	203-1	0.15	0.13	0.13	0.14	10.92	ppb
Thallium	205-1	0.12	0.13	0.14	0.13	7.31	ppb
Tin	118-1	75.26	76.45	77.11	76.27	1.23	ppb
Titanium	47-1	1253.40	1270.67	1308.14	1277.40	2.19	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-05DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD8	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:03:39	DataFile Name :	147SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.80	0.81	0.82	0.81	1.28	ppb
Vanadium	51-2	82.43	82.87	82.30	82.53	0.36	ppb
Yttrium	89-1				107		%
Yttrium	89-2				104		%
Zinc	66-2	5465.48	5537.45	5520.34	5507.76	0.68	ppb
Zirconium	90-1	52.48	53.71	54.29	53.49	1.72	ppb
Zirconium	91-1	52.40	53.66	55.28	53.78	2.69	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-06DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD9	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:06:41	DataFile Name :	148SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	42851.61	42891.13	42650.48	42797.74	0.30	ppb
Antimony	121-1	7.58	7.75	7.73	7.69	1.22	ppb
Arsenic	75-2	378.77	385.00	378.82	380.86	0.94	ppb
Barium	135-1	455.89	458.97	460.20	458.35	0.48	ppb
Barium	137-1	455.96	458.41	465.19	459.86	1.04	ppb
Beryllium	9-1	2.66	2.79	3.04	2.83	6.88	ppb
Bismuth	209-1				117		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	13.38	13.09	12.37	12.95	4.03	ppb
Cadmium	106-1	12.55	13.46	13.04	13.02	3.50	ppb
Cadmium	111-1	12.54	12.94	12.77	12.75	1.60	ppb
Calcium	43-1	9253.49	9354.56	9461.69	9356.58	1.11	ppb
Calcium	44-1	8976.25	9113.35	9156.21	9081.94	1.04	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	128.88	130.49	130.14	129.84	0.65	ppb
Cobalt	59-2	29.94	30.28	30.27	30.16	0.64	ppb
Copper	63-2	2705.19	2698.53	2704.66	2702.79	0.14	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				102		%
Indium	115-1				106		%
Indium	115-2				99		%
Iron	56-2	44372.68	45139.90	44603.60	44705.39	0.88	ppb
Iron	57-2	43634.47	44488.70	44361.61	44161.59	1.04	ppb
Iron	54-2	44512.35	44709.62	44573.02	44598.33	0.23	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-06DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD9	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:06:41	DataFile Name :	148SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	662.72	671.84	660.15	664.90	0.92	ppb
Lead	207-1	684.20	692.01	675.27	683.83	1.23	ppb
Lead	208-1	671.52	674.21	671.65	672.46	0.23	ppb
Lithium	6-1				80		%
Magnesium	24-2	12523.32	12758.39	12665.20	12648.97	0.94	ppb
Manganese	55-2	977.19	996.88	985.85	986.64	1.00	ppb
Molybdenum	94-1	30.32	31.40	31.59	31.10	2.21	ppb
Molybdenum	95-1	2.19	2.03	2.25	2.16	5.23	ppb
Molybdenum	96-1	5.36	5.41	5.54	5.43	1.72	ppb
Molybdenum	97-1	1.97	2.26	2.17	2.14	6.99	ppb
Molybdenum	98-1	2.09	2.13	2.22	2.14	3.02	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	129.06	133.61	131.18	131.29	1.73	ppb
Phosphorus	31-2	3098.25	3138.11	3064.15	3100.17	1.19	ppb
Potassium	39-2	3323.06	3371.11	3348.75	3347.64	0.72	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	5.10	4.47	5.19	4.92	8.01	ppb
Selenium	77-2	20.91	15.33	14.90	17.05	19.67	ppb
Selenium	78-2	8.72	5.76	9.11	7.86	23.30	ppb
Silicon	28-1	1272.91	1288.41	1285.66	1282.33	0.64	ppb
Silver	107-1	7.59	7.80	7.96	7.79	2.37	ppb
Silver	109-1	7.66	7.75	7.80	7.74	0.90	ppb
Sodium	23-2	705.60	716.09	705.51	709.07	0.86	ppb
Strontium	86-1	157.22	157.15	161.63	158.67	1.62	ppb
Strontium	88-1	166.63	165.71	171.37	167.90	1.81	ppb
Sulfur	34-1	-3092.47	-3190.06	-3168.39	-3150.31		ppb
Terbium	159-1				108		%
Terbium	159-2				103		%
Thallium	203-1	0.28	0.29	0.29	0.29	1.48	ppb
Thallium	205-1	0.28	0.31	0.29	0.29	3.79	ppb
Tin	118-1	17.25	17.59	17.90	17.58	1.85	ppb
Titanium	47-1	1072.88	1093.64	1091.35	1085.96	1.05	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-06DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD9	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:06:41	DataFile Name :	148SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.02	1.05	1.04	1.04	1.72	ppb
Vanadium	51-2	71.58	72.77	72.16	72.17	0.82	ppb
Yttrium	89-1				108		%
Yttrium	89-2				104		%
Zinc	66-2	1432.14	1445.98	1446.44	1441.52	0.56	ppb
Zirconium	90-1	17.43	17.61	18.05	17.69	1.81	ppb
Zirconium	91-1	17.53	17.48	18.28	17.76	2.51	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-07DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE0	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:09:47	DataFile Name :	149SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47726.42	47541.45	47899.15	47722.34	0.37	ppb
Antimony	121-1	9.93	10.37	10.23	10.18	2.22	ppb
Arsenic	75-2	456.01	451.31	448.51	451.94	0.84	ppb
Barium	135-1	635.58	664.21	644.78	648.19	2.26	ppb
Barium	137-1	693.33	734.46	707.55	711.78	2.93	ppb
Beryllium	9-1	3.27	3.35	3.48	3.36	3.09	ppb
Bismuth	209-1				116		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	15.09	17.10	15.15	15.78	7.23	ppb
Cadmium	106-1	14.95	15.59	14.61	15.05	3.31	ppb
Cadmium	111-1	14.92	15.12	15.15	15.06	0.82	ppb
Calcium	43-1	9821.06	10461.20	10028.77	10103.68	3.23	ppb
Calcium	44-1	9618.71	10114.10	9518.49	9750.43	3.27	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	148.14	145.77	147.87	147.26	0.88	ppb
Cobalt	59-2	38.95	38.52	39.05	38.84	0.72	ppb
Copper	63-2	3176.41	3110.52	3207.23	3164.72	1.56	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				106		%
Holmium	165-2				103		%
Indium	115-1				103		%
Indium	115-2				100		%
Iron	56-2	53633.81	53262.37	53584.26	53493.48	0.38	ppb
Iron	57-2	53026.50	51998.43	53171.82	52732.25	1.21	ppb
Iron	54-2	53766.18	53420.84	54193.28	53793.44	0.72	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-07DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE0	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:09:47	DataFile Name :	149SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	757.25	786.74	779.15	774.38	1.98	ppb
Lead	207-1	783.09	812.31	787.84	794.41	1.97	ppb
Lead	208-1	763.98	800.82	775.63	780.14	2.41	ppb
Lithium	6-1				75		%
Magnesium	24-2	13641.41	13099.25	13293.79	13344.82	2.06	ppb
Manganese	55-2	1265.70	1256.31	1266.05	1262.69	0.44	ppb
Molybdenum	94-1	37.04	39.26	36.73	37.68	3.66	ppb
Molybdenum	95-1	2.46	2.64	2.45	2.52	4.17	ppb
Molybdenum	96-1	6.31	6.61	6.35	6.43	2.52	ppb
Molybdenum	97-1	2.49	2.43	2.44	2.45	1.28	ppb
Molybdenum	98-1	2.48	2.48	2.36	2.44	2.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	140.82	139.51	141.65	140.66	0.77	ppb
Phosphorus	31-2	3363.61	3283.18	3347.02	3331.27	1.27	ppb
Potassium	39-2	3695.18	3514.12	3682.44	3630.58	2.78	ppb
Rhodium	103-1				99		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	82-1	6.39	7.26	5.85	6.50	10.96	ppb
Selenium	77-2	21.48	26.89	23.72	24.03	11.30	ppb
Selenium	78-2	5.82	9.11	9.63	8.19	25.21	ppb
Silicon	28-1	1042.77	1119.99	1054.98	1072.58	3.87	ppb
Silver	107-1	9.02	9.39	9.16	9.19	2.01	ppb
Silver	109-1	9.07	9.43	9.19	9.23	2.01	ppb
Sodium	23-2	502.70	491.21	505.22	499.71	1.49	ppb
Strontium	86-1	164.84	175.64	163.30	167.92	4.00	ppb
Strontium	88-1	174.20	183.01	172.30	176.50	3.24	ppb
Sulfur	34-1	-3017.71	-2816.78	-3189.73	-3008.07		ppb
Terbium	159-1				105		%
Terbium	159-2				103		%
Thallium	203-1	0.33	0.35	0.33	0.34	3.71	ppb
Thallium	205-1	0.35	0.34	0.34	0.35	1.77	ppb
Tin	118-1	19.36	20.50	20.23	20.03	2.97	ppb
Titanium	47-1	1236.39	1319.56	1255.79	1270.58	3.42	ppb

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-07DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE0	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:09:47	DataFile Name :	149SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.21	1.22	1.21	1.21	0.57	ppb
Vanadium	51-2	85.93	84.64	85.58	85.39	0.78	ppb
Yttrium	89-1				107		%
Yttrium	89-2				105		%
Zinc	66-2	1614.28	1584.37	1609.04	1602.57	1.00	ppb
Zirconium	90-1	21.23	22.30	20.87	21.46	3.47	ppb
Zirconium	91-1	21.17	22.75	21.16	21.70	4.23	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13ADLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE6ARE	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:12:48	DataFile Name :	150SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	37624.18	38596.88	37873.65	38031.57	1.33	ppb
Antimony	121-1	4.15	4.20	4.20	4.18	0.72	ppb
Arsenic	75-2	567.71	574.45	562.15	568.10	1.08	ppb
Barium	135-1	598.43	609.59	606.86	604.96	0.96	ppb
Barium	137-1	649.71	668.04	654.04	657.26	1.46	ppb
Beryllium	9-1	2.25	2.54	2.42	2.40	5.91	ppb
Bismuth	209-1				111		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	13.20	12.97	12.11	12.76	4.50	ppb
Cadmium	106-1	12.00	11.34	10.26	11.20	7.86	ppb
Cadmium	111-1	9.42	9.87	9.79	9.70	2.45	ppb
Calcium	43-1	11086.88	11161.75	10936.85	11061.83	1.04	ppb
Calcium	44-1	10665.16	10919.44	10644.05	10742.88	1.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	107.42	108.93	107.70	108.02	0.75	ppb
Cobalt	59-2	31.12	30.86	30.86	30.95	0.47	ppb
Copper	63-2	1786.58	1806.97	1776.80	1790.12	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				106		%
Holmium	165-2				101		%
Indium	115-1				103		%
Indium	115-2				98		%
Iron	56-2	41085.23	41247.44	40400.47	40911.04	1.10	ppb
Iron	57-2	40624.37	40443.25	39796.50	40288.04	1.08	ppb
Iron	54-2	40653.06	41346.07	40871.59	40956.91	0.87	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13ADLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE6ARE	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:12:48	DataFile Name :	150SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	324.10	323.95	333.15	327.07	1.61	ppb
Lead	207-1	321.27	322.79	324.31	322.79	0.47	ppb
Lead	208-1	349.37	350.58	352.95	350.97	0.52	ppb
Lithium	6-1				75		%
Magnesium	24-2	10829.70	11124.48	10740.55	10898.24	1.84	ppb
Manganese	55-2	1052.21	1065.50	1034.05	1050.59	1.50	ppb
Molybdenum	94-1	42.11	43.08	43.22	42.80	1.41	ppb
Molybdenum	95-1	1.23	1.33	1.29	1.29	3.98	ppb
Molybdenum	96-1	5.88	6.05	6.01	5.98	1.47	ppb
Molybdenum	97-1	1.40	1.32	1.29	1.34	4.13	ppb
Molybdenum	98-1	1.36	1.33	1.36	1.35	1.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	120.35	120.98	119.81	120.38	0.49	ppb
Phosphorus	31-2	2594.48	2598.29	2585.61	2592.79	0.25	ppb
Potassium	39-2	3509.97	3606.28	3572.60	3562.95	1.37	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	12.93	13.01	12.68	12.87	1.32	ppb
Selenium	77-2	25.40	29.04	24.46	26.30	9.20	ppb
Selenium	78-2	13.24	17.77	15.42	15.48	14.65	ppb
Silicon	28-1	1302.35	1282.39	1257.03	1280.59	1.77	ppb
Silver	107-1	5.05	5.07	5.12	5.08	0.62	ppb
Silver	109-1	5.07	5.02	5.09	5.06	0.73	ppb
Sodium	23-2	448.21	445.88	442.26	445.45	0.67	ppb
Strontium	86-1	151.92	156.45	156.06	154.81	1.62	ppb
Strontium	88-1	159.55	163.69	164.41	162.55	1.61	ppb
Sulfur	34-1	-3191.77	-3186.82	-3368.54	-3249.04		ppb
Terbium	159-1				107		%
Terbium	159-2				101		%
Thallium	203-1	0.25	0.25	0.25	0.25	1.06	ppb
Thallium	205-1	0.25	0.22	0.26	0.24	7.40	ppb
Tin	118-1	11.02	11.24	11.22	11.16	1.09	ppb
Titanium	47-1	988.65	996.01	989.26	991.31	0.41	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13ADLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE6ARE	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:12:48	DataFile Name :	150SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.90	0.95	0.95	0.93	2.94	ppb
Vanadium	51-2	72.74	73.10	72.49	72.77	0.42	ppb
Yttrium	89-1				106		%
Yttrium	89-2				103		%
Zinc	66-2	3770.99	3774.37	3715.69	3753.68	0.88	ppb
Zirconium	90-1	24.83	25.49	25.14	25.15	1.30	ppb
Zirconium	91-1	24.94	25.75	24.83	25.17	2.00	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV034	Instrumnet Name :	P7
Client Sample ID :	CCV034	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 02:15:53	DataFile Name :	151CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48587.66	47988.76	48318.41	48298.28	0.62	ppb
Antimony	121-1	468.53	501.29	489.87	486.56	3.42	ppb
Arsenic	75-2	532.71	528.28	533.21	531.40	0.51	ppb
Barium	135-1	2317.80	2537.71	2456.85	2437.45	4.56	ppb
Barium	137-1	2388.34	2493.68	2473.74	2451.92	2.28	ppb
Beryllium	9-1	525.43	529.08	515.71	523.41	1.32	ppb
Bismuth	209-1				107		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	489.60	509.82	509.77	503.07	2.32	ppb
Cadmium	106-1	487.88	503.90	506.39	499.39	2.01	ppb
Cadmium	111-1	490.86	512.75	509.00	504.20	2.32	ppb
Calcium	43-1	241431.34	247107.08	253312.42	247283.61	2.40	ppb
Calcium	44-1	242135.38	244706.07	248392.13	245077.86	1.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	492.95	490.78	492.77	492.17	0.24	ppb
Cobalt	59-2	543.17	537.79	539.43	540.13	0.51	ppb
Copper	63-2	5229.56	5255.74	5182.68	5222.66	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				110		%
Holmium	165-2				106		%
Indium	115-1				105		%
Indium	115-2				98		%
Iron	56-2	126504.18	129150.60	128040.57	127898.45	1.04	ppb
Iron	57-2	128137.81	126404.16	128388.93	127643.64	0.85	ppb
Iron	54-2	127046.49	129947.08	128528.94	128507.50	1.13	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV034	Instrumnet Name :	P7
Client Sample ID :	CCV034	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 02:15:53	DataFile Name :	151CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2399.32	2480.94	2502.45	2460.90	2.21	ppb
Lead	207-1	2423.64	2431.94	2477.28	2444.29	1.18	ppb
Lead	208-1	2413.52	2450.02	2489.15	2450.89	1.54	ppb
Lithium	6-1				89		%
Magnesium	24-2	241634.62	241001.71	243980.60	242205.64	0.65	ppb
Manganese	55-2	4873.92	4995.09	4890.90	4919.97	1.33	ppb
Molybdenum	94-1	4850.06	4939.46	4984.30	4924.61	1.39	ppb
Molybdenum	95-1	4745.85	4937.14	4981.33	4888.11	2.56	ppb
Molybdenum	96-1	4811.77	5000.32	4909.67	4907.25	1.92	ppb
Molybdenum	97-1	4766.23	4942.84	4915.26	4874.77	1.95	ppb
Molybdenum	98-1	4778.97	4943.88	4978.41	4900.42	2.18	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	529.71	524.71	530.43	528.28	0.59	ppb
Phosphorus	31-2	9729.18	9692.77	9760.35	9727.43	0.35	ppb
Potassium	39-2	119505.81	120033.58	119989.07	119842.82	0.24	ppb
Rhodium	103-1				100		%
Rhodium	103-2				98		%
Scandium	45-1				102		%
Scandium	45-2				99		%
Selenium	82-1	500.95	522.63	515.50	513.02	2.15	ppb
Selenium	77-2	508.99	513.24	500.33	507.52	1.30	ppb
Selenium	78-2	527.28	524.37	522.46	524.70	0.46	ppb
Silicon	28-1	2346.12	2375.06	2412.93	2378.04	1.41	ppb
Silver	107-1	485.92	504.16	501.88	497.32	2.00	ppb
Silver	109-1	492.10	520.01	503.03	505.05	2.79	ppb
Sodium	23-2	248669.18	247073.25	251586.99	249109.81	0.92	ppb
Strontium	86-1	11880.05	12268.11	12189.63	12112.60	1.69	ppb
Strontium	88-1	11857.99	12276.33	12321.44	12151.92	2.10	ppb
Sulfur	34-1	7716.36	7760.87	7990.43	7822.55	1.88	ppb
Terbium	159-1				110		%
Terbium	159-2				105		%
Thallium	203-1	494.21	490.66	497.86	494.24	0.73	ppb
Thallium	205-1	488.08	499.45	505.86	497.80	1.81	ppb
Tin	118-1	454.98	485.56	475.81	472.12	3.31	ppb
Titanium	47-1	4795.46	4782.05	4964.32	4847.28	2.10	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV034	Instrumnet Name :	P7
Client Sample ID :	CCV034	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 02:15:53	DataFile Name :	151CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	490.66	500.97	497.60	496.41	1.06	ppb
Vanadium	51-2	503.23	499.75	503.51	502.16	0.42	ppb
Yttrium	89-1				106		%
Yttrium	89-2				99		%
Zinc	66-2	5296.47	5360.96	5277.31	5311.58	0.83	ppb
Zirconium	90-1	487.60	490.64	494.71	490.98	0.73	ppb
Zirconium	91-1	470.04	483.69	483.57	479.10	1.64	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB034	Instrumnet Name :	P7
Client Sample ID :	CCB034	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 02:18:39	DataFile Name :	152CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14.51	15.35	14.64	14.83	3.06	ppb
Antimony	121-1	0.35	0.32	0.30	0.32	7.24	ppb
Arsenic	75-2	0.11	0.10	0.07	0.09	20.80	ppb
Barium	135-1	0.21	0.25	0.16	0.21	20.86	ppb
Barium	137-1	0.24	0.21	0.20	0.21	10.61	ppb
Beryllium	9-1	0.05	0.05	0.03	0.05	22.16	ppb
Bismuth	209-1				108		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.01	0.07	0.03	0.03	118.13	ppb
Cadmium	106-1	-0.42	-0.72	-0.56	-0.57		ppb
Cadmium	111-1	0.05	0.00	0.01	0.02	127.25	ppb
Calcium	43-1	17.64	12.40	12.31	14.12	21.63	ppb
Calcium	44-1	11.52	11.95	9.65	11.04	11.08	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	0.04	0.03	0.03	30.71	ppb
Cobalt	59-2	0.00	0.01	0.02	0.01	91.58	ppb
Copper	63-2	0.62	0.59	0.61	0.61	1.95	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				104		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				100		%
Iron	56-2	11.99	12.21	12.11	12.10	0.91	ppb
Iron	57-2	11.49	12.04	15.11	12.88	15.16	ppb
Iron	54-2	12.26	12.30	10.10	11.56	10.92	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB034	Instrumnet Name :	P7
Client Sample ID :	CCB034	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 02:18:39	DataFile Name :	152CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.33	0.29	0.27	0.30	9.56	ppb
Lead	207-1	0.28	0.27	0.27	0.27	2.76	ppb
Lead	208-1	0.30	0.29	0.27	0.29	5.03	ppb
Lithium	6-1				90		%
Magnesium	24-2	10.60	10.21	9.60	10.14	4.98	ppb
Manganese	55-2	0.37	0.38	0.34	0.36	5.72	ppb
Molybdenum	94-1	0.42	0.38	0.24	0.35	27.03	ppb
Molybdenum	95-1	0.35	0.30	0.26	0.30	13.24	ppb
Molybdenum	96-1	0.34	0.29	0.25	0.29	15.18	ppb
Molybdenum	97-1	0.35	0.27	0.25	0.29	19.52	ppb
Molybdenum	98-1	0.33	0.30	0.23	0.29	18.08	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.03	0.03	-0.01	0.01	164.66	ppb
Phosphorus	31-2	-19.92	-22.00	-19.72	-20.55		ppb
Potassium	39-2	1.43	2.20	6.30	3.31	79.13	ppb
Rhodium	103-1				101		%
Rhodium	103-2				103		%
Scandium	45-1				99		%
Scandium	45-2				97		%
Selenium	82-1	0.35	0.23	0.75	0.44	61.46	ppb
Selenium	77-2	-0.24	-0.24	0.48	0.00	15681.24	ppb
Selenium	78-2	-0.69	-1.05	-0.67	-0.80		ppb
Silicon	28-1	-4.03	-2.19	-3.75	-3.33		ppb
Silver	107-1	0.06	0.05	0.04	0.05	18.01	ppb
Silver	109-1	0.06	0.05	0.04	0.05	14.13	ppb
Sodium	23-2	28.44	28.72	28.20	28.46	0.93	ppb
Strontium	86-1	0.49	0.44	0.28	0.40	27.76	ppb
Strontium	88-1	0.53	0.41	0.29	0.41	28.81	ppb
Sulfur	34-1	-1837.92	-1460.02	-1719.87	-1672.60		ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	0.08	0.06	0.04	0.06	32.21	ppb
Thallium	205-1	0.08	0.08	0.06	0.07	12.79	ppb
Tin	118-1	0.13	0.14	0.16	0.14	11.93	ppb
Titanium	47-1	0.46	0.37	0.34	0.39	17.20	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB034	Instrumnet Name :	P7
Client Sample ID :	CCB034	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 02:18:39	DataFile Name :	152CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	55.65	ppb
Vanadium	51-2	0.02	0.04	0.02	0.02	42.79	ppb
Yttrium	89-1				102		%
Yttrium	89-2				99		%
Zinc	66-2	0.96	0.93	0.78	0.89	10.69	ppb
Zirconium	90-1	0.09	0.07	0.05	0.07	28.65	ppb
Zirconium	91-1	0.08	0.08	0.07	0.08	11.56	ppb

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:13:02	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	300	263	270	278	7.03	cps
Antimony	121-1	63	50	57	57	11.76	cps
Arsenic	75-2	3	0	0	1	173.21	cps
Barium	135-1	67	77	73	72	7.05	cps
Barium	137-1	130	83	137	117	24.91	cps
Beryllium	9-1	30	17	30	26	30.11	cps
Bismuth	209-1	3242738	3297308	3241823	3260623	0.97	cps
Bismuth	209-2	2720711	2711283	2757715	2729903	0.90	cps
Bromine	81-1	6381	6275	6341	6333	0.85	cps
Bromine	81-2	47	77	93	72	32.74	cps
Cadmium	108-1	0	17	3	7	132.33	cps
Cadmium	106-1	1277	1423	1337	1346	5.48	cps
Cadmium	111-1	897	988	940	942	4.83	cps
Calcium	43-1	263	333	243	280	16.88	cps
Calcium	44-1	15735	15058	15515	15436	2.24	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	733	800	717	750	5.88	cps
Cobalt	59-2	137	170	123	143	16.77	cps
Copper	63-2	1470	1417	1387	1425	2.96	cps
Dysprosium	156-1	343	333	403	360	10.52	cps
Dysprosium	156-2	143	97	133	124	19.74	cps
Erbium	164-1	37	37	47	40	14.43	cps
Erbium	164-2	27	27	20	24	15.75	cps
Gadolinium	160-1	23	17	33	24	34.31	cps
Gadolinium	160-2	150	143	160	151	5.55	cps
Holmium	165-1	5405619	5527583	5545331	5492845	1.38	cps
Holmium	165-2	3856635	3889462	3864718	3870272	0.44	cps
Indium	115-1	4874957	4891606	4949954	4905506	0.80	cps
Indium	115-2	1791656	1775829	1770896	1779461	0.61	cps
Iron	56-2	12178	11831	12105	12038	1.52	cps
Iron	57-2	2750	2910	2917	2859	3.30	cps
Iron	54-2	1600	1667	1577	1615	2.89	cps
Krypton	83-1	217	233	180	210	12.99	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:13:02	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	273	323	263	287	11.21	cps
Lead	207-1	243	227	287	252	12.28	cps
Lead	208-1	1133	1157	1090	1127	3.00	cps
Lithium	6-1	431067	446703	444847	440873	1.94	cps
Magnesium	24-2	490	433	440	454	6.82	cps
Manganese	55-2	443	513	520	492	8.63	cps
Molybdenum	94-1	260	250	240	250	4.00	cps
Molybdenum	95-1	153	147	207	169	19.47	cps
Molybdenum	96-1	193	213	173	193	10.34	cps
Molybdenum	97-1	117	97	137	117	17.14	cps
Molybdenum	98-1	220	240	240	233	4.95	cps
Neodymium	150-1	3	7	3	4	43.40	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	140	143	163	149	8.48	cps
Phosphorus	31-2	177	160	157	164	6.52	cps
Potassium	39-2	86615	85703	85692	86003	0.62	cps
Rhodium	103-1	4836683	4879194	4925846	4880574	0.91	cps
Rhodium	103-2	3003564	2929436	2956455	2963152	1.27	cps
Scandium	45-1	3016317	3157999	3178796	3117704	2.84	cps
Scandium	45-2	299969	297787	299536	299098	0.39	cps
Selenium	82-1	314	265	337	306	12.00	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	360	400	370	377	5.53	cps
Silicon	28-1	286132	286191	287968	286764	0.36	cps
Silver	107-1	67	70	73	70	4.76	cps
Silver	109-1	43	60	17	40	54.64	cps
Sodium	23-2	34726	34552	34198	34492	0.78	cps
Strontium	86-1	583	457	510	517	12.31	cps
Strontium	88-1	1333	1393	1490	1406	5.62	cps
Sulfur	34-1	185572	186493	185814	185960	0.26	cps
Terbium	159-1	5691834	5640291	5693468	5675198	0.53	cps
Terbium	159-2	3841117	3841586	3827109	3836604	0.21	cps
Thallium	203-1	110	117	117	114	3.36	cps
Thallium	205-1	197	200	200	199	0.97	cps
Tin	118-1	1007	1127	1160	1098	7.35	cps
Titanium	47-1	127	157	137	140	10.91	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:13:02	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	117	123	110	117	5.72	cps
Vanadium	51-2	20	23	20	21	9.11	cps
Yttrium	89-1	8754565	8941777	8933284	8876542	1.19	cps
Yttrium	89-2	2384885	2363024	2367882	2371930	0.48	cps
Zinc	66-2	497	513	513	508	1.90	cps
Zirconium	90-1	450	443	443	446	0.86	cps
Zirconium	91-1	70	77	70	72	5.33	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:19:37	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2904	2614	2867	2795	5.65	cps
Antimony	121-1	10761	11024	10827	10871	1.26	cps
Arsenic	75-2	277	390	390	352	18.58	cps
Barium	135-1	12512	12466	12462	12480	0.22	cps
Barium	137-1	21239	21149	21359	21249	0.50	cps
Beryllium	9-1	603	683	663	650	6.41	cps
Bismuth	209-1	3242073	3269628	3231229	3247643	0.61	cps
Bismuth	209-2	2695050	2701106	2712544	2702900	0.33	cps
Bromine	81-1	6328	6318	6538	6395	1.94	cps
Bromine	81-2	73	87	90	83	10.59	cps
Cadmium	108-1	77	100	110	96	17.90	cps
Cadmium	106-1	1510	1433	1427	1457	3.18	cps
Cadmium	111-1	2183	2317	2382	2294	4.41	cps
Calcium	43-1	8129	8302	8242	8225	1.07	cps
Calcium	44-1	143043	145601	146413	145019	1.21	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6251	6028	5941	6073	2.63	cps
Cobalt	59-2	4321	4077	4154	4184	2.97	cps
Copper	63-2	6612	7085	6888	6862	3.47	cps
Dysprosium	156-1	360	393	290	348	15.16	cps
Dysprosium	156-2	90	113	57	87	32.86	cps
Erbium	164-1	33	53	43	43	23.08	cps
Erbium	164-2	23	20	23	22	8.65	cps
Gadolinium	160-1	13	27	10	17	52.93	cps
Gadolinium	160-2	120	107	123	117	7.56	cps
Holmium	165-1	5433927	5443459	5505223	5460869	0.71	cps
Holmium	165-2	3809112	3830024	3782061	3807065	0.63	cps
Indium	115-1	5005927	4917260	4957854	4960347	0.89	cps
Indium	115-2	1729288	1786344	1730430	1748687	1.87	cps
Iron	56-2	126860	127123	128409	127464	0.65	cps
Iron	57-2	5738	6208	5921	5956	3.98	cps
Iron	54-2	8002	8159	8192	8118	1.25	cps
Krypton	83-1	240	230	200	223	9.32	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:19:37	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3204	3167	3227	3199	0.95	cps
Lead	207-1	2634	2817	2864	2771	4.39	cps
Lead	208-1	12282	12856	13103	12747	3.30	cps
Lithium	6-1	439914	441593	448117	443208	0.98	cps
Magnesium	24-2	119543	119517	119191	119417	0.16	cps
Manganese	55-2	2320	2367	2327	2338	1.08	cps
Molybdenum	94-1	11361	12025	11455	11614	3.09	cps
Molybdenum	95-1	13283	13927	14354	13854	3.89	cps
Molybdenum	96-1	15225	15582	15652	15486	1.48	cps
Molybdenum	97-1	8993	8539	8689	8740	2.64	cps
Molybdenum	98-1	21723	22885	22230	22279	2.61	cps
Neodymium	150-1	3	10	13	9	57.30	cps
Neodymium	150-2	7	0	0	2	173.21	cps
Nickel	60-2	1323	1173	1290	1262	6.24	cps
Phosphorus	31-2	337	300	423	353	17.92	cps
Potassium	39-2	240362	239813	239346	239840	0.21	cps
Rhodium	103-1	4829016	4735448	4819436	4794633	1.07	cps
Rhodium	103-2	2934594	2950157	2953894	2946215	0.35	cps
Scandium	45-1	3100752	3078287	3133306	3104115	0.89	cps
Scandium	45-2	295736	293999	295848	295194	0.35	cps
Selenium	82-1	749	733	782	754	3.28	cps
Selenium	77-2	33	37	47	39	17.85	cps
Selenium	78-2	537	570	510	539	5.58	cps
Silicon	28-1	300581	298520	297296	298799	0.56	cps
Silver	107-1	6068	6151	6251	6157	1.49	cps
Silver	109-1	5805	6055	6121	5994	2.79	cps
Sodium	23-2	228718	226243	226672	227211	0.58	cps
Strontium	86-1	2290	2260	2330	2294	1.53	cps
Strontium	88-1	16863	17260	17637	17254	2.24	cps
Sulfur	34-1	186054	184256	183899	184736	0.63	cps
Terbium	159-1	5594626	5638771	5813641	5682346	2.04	cps
Terbium	159-2	3791414	3845999	3906517	3847977	1.50	cps
Thallium	203-1	3891	4067	3981	3980	2.22	cps
Thallium	205-1	8660	9140	9377	9059	4.03	cps
Tin	118-1	21179	21236	21500	21305	0.80	cps
Titanium	47-1	3814	3911	3867	3864	1.25	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:19:37	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10851	10324	10811	10662	2.75	cps
Vanadium	51-2	11901	11935	11808	11881	0.55	cps
Yttrium	89-1	8865321	8865435	8745452	8825403	0.78	cps
Yttrium	89-2	2279753	2345450	2341081	2322095	1.58	cps
Zinc	66-2	2527	2610	2797	2645	5.23	cps
Zirconium	90-1	9887	9997	10104	9996	1.08	cps
Zirconium	91-1	2184	2144	2207	2178	1.47	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:22:54	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	140490	140117	141236	140614	0.41	cps
Antimony	121-1	272076	278755	282865	277899	1.96	cps
Arsenic	75-2	18729	18792	18395	18638	1.14	cps
Barium	135-1	327348	332644	337842	332611	1.58	cps
Barium	137-1	567692	575088	580848	574543	1.15	cps
Beryllium	9-1	32975	33339	32955	33090	0.65	cps
Bismuth	209-1	3242572	3340014	3300991	3294526	1.49	cps
Bismuth	209-2	2647780	2732253	2754864	2711632	2.08	cps
Bromine	81-1	6288	6088	6425	6267	2.70	cps
Bromine	81-2	60	100	53	71	35.50	cps
Cadmium	108-1	4988	4838	5208	5011	3.72	cps
Cadmium	106-1	8503	8259	8713	8491	2.67	cps
Cadmium	111-1	69706	70678	70767	70384	0.84	cps
Calcium	43-1	92826	93704	96099	94209	1.80	cps
Calcium	44-1	1409948	1434405	1436599	1426984	1.04	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	141530	140784	139041	140452	0.91	cps
Cobalt	59-2	208918	206763	208640	208107	0.56	cps
Copper	63-2	1555074	1552779	1533817	1547224	0.75	cps
Dysprosium	156-1	383	390	333	369	8.40	cps
Dysprosium	156-2	103	110	107	107	3.12	cps
Erbium	164-1	63	43	50	52	19.50	cps
Erbium	164-2	20	20	17	19	10.18	cps
Gadolinium	160-1	20	30	30	27	21.65	cps
Gadolinium	160-2	117	147	167	143	17.56	cps
Holmium	165-1	5410480	5541328	5527851	5493219	1.31	cps
Holmium	165-2	3884753	3952694	3944344	3927264	0.94	cps
Indium	115-1	4895596	4920232	4906477	4907435	0.25	cps
Indium	115-2	1749166	1736886	1732998	1739683	0.49	cps
Iron	56-2	6031920	5966475	5971704	5990033	0.61	cps
Iron	57-2	157079	154607	155681	155789	0.80	cps
Iron	54-2	350721	345787	347786	348098	0.71	cps
Krypton	83-1	210	227	270	236	13.15	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:22:54	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	795695	801128	814248	803690	1.19	cps
Lead	207-1	685448	695576	708895	696640	1.69	cps
Lead	208-1	3368409	3471751	3476680	3438947	1.78	cps
Lithium	6-1	441624	445143	440996	442588	0.50	cps
Magnesium	24-2	1177867	1168288	1142202	1162786	1.59	cps
Manganese	55-2	990638	983029	993125	988931	0.53	cps
Molybdenum	94-1	1095457	1123639	1122167	1113754	1.42	cps
Molybdenum	95-1	1650304	1664799	1652225	1655776	0.48	cps
Molybdenum	96-1	1771593	1798968	1810546	1793702	1.12	cps
Molybdenum	97-1	982090	986479	1017323	995297	1.93	cps
Molybdenum	98-1	2638807	2628536	2658758	2642034	0.58	cps
Neodymium	150-1	13	33	17	21	50.75	cps
Neodymium	150-2	7	10	0	6	91.64	cps
Nickel	60-2	53468	52137	53134	52913	1.31	cps
Phosphorus	31-2	8122	8159	8352	8211	1.51	cps
Potassium	39-2	928131	918739	922710	923193	0.51	cps
Rhodium	103-1	4794505	4745887	4856649	4799014	1.16	cps
Rhodium	103-2	2967877	2967649	2950613	2962046	0.33	cps
Scandium	45-1	3123216	3112313	3144041	3126523	0.52	cps
Scandium	45-2	301052	299612	302227	300964	0.44	cps
Selenium	82-1	4756	4899	4996	4884	2.47	cps
Selenium	77-2	467	500	440	469	6.41	cps
Selenium	78-2	1960	1990	1963	1971	0.83	cps
Silicon	28-1	668580	678016	689156	678584	1.52	cps
Silver	107-1	344846	349101	357249	350398	1.80	cps
Silver	109-1	324693	334470	333099	330754	1.60	cps
Sodium	23-2	2038398	2016250	2038411	2031020	0.63	cps
Strontium	86-1	2425766	2472081	2463560	2453802	1.00	cps
Strontium	88-1	21113384	21671706	21565906	21450332	1.38	cps
Sulfur	34-1	204688	206002	204644	205111	0.38	cps
Terbium	159-1	5743040	5639146	5727924	5703370	0.98	cps
Terbium	159-2	3918816	3898556	3893974	3903782	0.34	cps
Thallium	203-1	196961	200181	203093	200078	1.53	cps
Thallium	205-1	467853	472217	476618	472229	0.93	cps
Tin	118-1	222816	228351	229512	226893	1.58	cps
Titanium	47-1	434006	441011	443793	439603	1.15	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:22:54	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	564403	571720	582502	572875	1.59	cps
Vanadium	51-2	125027	122533	124421	123994	1.05	cps
Yttrium	89-1	8748077	8924677	8803064	8825272	1.02	cps
Yttrium	89-2	2333322	2358769	2381070	2357720	1.01	cps
Zinc	66-2	243433	243146	244529	243703	0.30	cps
Zirconium	90-1	509277	509619	517769	512222	0.94	cps
Zirconium	91-1	111709	112376	113589	112558	0.85	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:26:02	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	348651	342772	347299	346241	0.89	cps
Antimony	121-1	686338	702156	711069	699855	1.79	cps
Arsenic	75-2	46258	46399	45526	46061	1.02	cps
Barium	135-1	826840	835434	842339	834871	0.93	cps
Barium	137-1	1402743	1448094	1451585	1434141	1.90	cps
Beryllium	9-1	80625	81633	82890	81716	1.39	cps
Bismuth	209-1	3311668	3408589	3400077	3373445	1.59	cps
Bismuth	209-2	2732491	2793865	2715092	2747149	1.51	cps
Bromine	81-1	6435	6205	6331	6324	1.82	cps
Bromine	81-2	67	67	60	64	5.98	cps
Cadmium	108-1	12269	12452	12976	12566	2.92	cps
Cadmium	106-1	18959	19169	19513	19214	1.46	cps
Cadmium	111-1	170074	173640	176272	173329	1.79	cps
Calcium	43-1	229803	236358	239029	235063	2.02	cps
Calcium	44-1	3452118	3561195	3565450	3526254	1.82	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	351211	350117	344924	348751	0.96	cps
Cobalt	59-2	510451	516744	511087	512761	0.68	cps
Copper	63-2	3937772	3925383	3933747	3932301	0.16	cps
Dysprosium	156-1	317	287	350	318	9.97	cps
Dysprosium	156-2	117	120	90	109	15.10	cps
Erbium	164-1	30	60	50	47	32.73	cps
Erbium	164-2	23	23	30	26	15.07	cps
Gadolinium	160-1	30	23	43	32	31.61	cps
Gadolinium	160-2	147	113	100	120	20.03	cps
Holmium	165-1	5540756	5559838	5644020	5581538	0.98	cps
Holmium	165-2	3871981	3967639	3899108	3912909	1.26	cps
Indium	115-1	4971303	4944331	4997585	4971073	0.54	cps
Indium	115-2	1801078	1793698	1714771	1769849	2.70	cps
Iron	56-2	15079425	14764618	14951462	14931835	1.06	cps
Iron	57-2	389557	387984	388682	388741	0.20	cps
Iron	54-2	852182	854315	856100	854199	0.23	cps
Krypton	83-1	243	260	267	257	4.68	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:26:02	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2282282	2313795	2336151	2310743	1.17	cps
Lead	207-1	1998370	2037050	2042552	2025991	1.19	cps
Lead	208-1	9174548	9246537	9334785	9251957	0.87	cps
Lithium	6-1	441008	456159	448296	448488	1.69	cps
Magnesium	24-2	2861389	2903239	2864981	2876537	0.81	cps
Manganese	55-2	2493933	2467003	2541261	2500732	1.50	cps
Molybdenum	94-1	2788319	2882067	2877268	2849218	1.85	cps
Molybdenum	95-1	4029645	4176975	4174336	4126986	2.04	cps
Molybdenum	96-1	4396840	4551556	4539871	4496089	1.92	cps
Molybdenum	97-1	2506080	2601762	2561716	2556519	1.88	cps
Molybdenum	98-1	6484002	6614159	6665515	6587892	1.42	cps
Neodymium	150-1	47	27	53	42	32.86	cps
Neodymium	150-2	13	7	13	11	34.61	cps
Nickel	60-2	133630	131031	132953	132538	1.02	cps
Phosphorus	31-2	20457	20861	21018	20779	1.39	cps
Potassium	39-2	2058562	2071884	2029382	2053276	1.06	cps
Rhodium	103-1	4804277	4816313	4843701	4821430	0.42	cps
Rhodium	103-2	2956490	3031671	2928313	2972158	1.80	cps
Scandium	45-1	3143999	3172223	3150459	3155560	0.47	cps
Scandium	45-2	299603	301107	299985	300232	0.26	cps
Selenium	82-1	11479	11813	11888	11726	1.86	cps
Selenium	77-2	1103	1230	1380	1238	11.19	cps
Selenium	78-2	4314	4527	4217	4353	3.64	cps
Silicon	28-1	1268837	1301279	1348525	1306214	3.07	cps
Silver	107-1	861582	879382	883434	874799	1.33	cps
Silver	109-1	813654	830147	826161	823321	1.05	cps
Sodium	23-2	4945526	4977980	4931033	4951513	0.49	cps
Strontium	86-1	6058442	6165987	6192424	6138951	1.16	cps
Strontium	88-1	52356749	53816361	53929388	53367499	1.64	cps
Sulfur	34-1	233133	232806	234025	233321	0.27	cps
Terbium	159-1	5678522	5754625	5797755	5743634	1.05	cps
Terbium	159-2	3841830	3777257	3782307	3800465	0.94	cps
Thallium	203-1	494649	506603	508912	503388	1.52	cps
Thallium	205-1	1170002	1197810	1191133	1186315	1.22	cps
Tin	118-1	552416	567281	564797	561498	1.42	cps
Titanium	47-1	1073702	1103274	1101914	1092963	1.53	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:26:02	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1408584	1448472	1458489	1438515	1.84	cps
Vanadium	51-2	312522	310376	312775	311891	0.42	cps
Yttrium	89-1	8841471	9016277	9021233	8959661	1.14	cps
Yttrium	89-2	2413022	2398530	2367556	2393036	0.97	cps
Zinc	66-2	610039	610986	601270	607432	0.88	cps
Zirconium	90-1	1252457	1290780	1294935	1279391	1.83	cps
Zirconium	91-1	277355	285509	286138	283001	1.73	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:29:01	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	700753	696269	689155	695392	0.84	cps
Antimony	121-1	1374369	1422509	1431892	1409590	2.19	cps
Arsenic	75-2	94290	92797	92040	93042	1.23	cps
Barium	135-1	1790441	1803985	1840301	1811576	1.42	cps
Barium	137-1	3077657	3124254	3185001	3128970	1.72	cps
Beryllium	9-1	162630	166274	167701	165535	1.58	cps
Bismuth	209-1	3361138	3422471	3354249	3379286	1.11	cps
Bismuth	209-2	2774843	2721733	2758672	2751749	0.99	cps
Bromine	81-1	6315	6145	6241	6234	1.37	cps
Bromine	81-2	53	53	87	64	29.87	cps
Cadmium	108-1	25332	25315	25756	25468	0.98	cps
Cadmium	106-1	36476	36559	37178	36738	1.04	cps
Cadmium	111-1	340217	350231	352722	347723	1.90	cps
Calcium	43-1	465262	477454	476051	472922	1.41	cps
Calcium	44-1	6859443	7225510	7158646	7081200	2.75	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	695146	689144	693147	692479	0.44	cps
Cobalt	59-2	1037288	1029979	1027601	1031623	0.49	cps
Copper	63-2	7694578	7740124	7572645	7669115	1.13	cps
Dysprosium	156-1	410	343	407	387	9.72	cps
Dysprosium	156-2	177	153	160	163	7.36	cps
Erbium	164-1	43	47	67	52	24.17	cps
Erbium	164-2	27	47	37	37	27.27	cps
Gadolinium	160-1	40	53	20	38	44.41	cps
Gadolinium	160-2	173	140	193	169	15.95	cps
Holmium	165-1	5599604	5787088	5778033	5721575	1.85	cps
Holmium	165-2	3957288	3917275	3956526	3943696	0.58	cps
Indium	115-1	4939074	4980124	4946214	4955138	0.44	cps
Indium	115-2	1796747	1781650	1760920	1779772	1.01	cps
Iron	56-2	29928793	29745015	29729360	29801056	0.37	cps
Iron	57-2	768300	762731	759993	763675	0.55	cps
Iron	54-2	1675144	1702877	1674864	1684295	0.96	cps
Krypton	83-1	233	220	227	227	2.94	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:29:01	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4644335	4709153	4707900	4687129	0.79	cps
Lead	207-1	4064032	4117153	4153126	4111437	1.09	cps
Lead	208-1	18382376	18781544	18851608	18671843	1.36	cps
Lithium	6-1	445519	461526	451882	452976	1.78	cps
Magnesium	24-2	5879260	5697599	5753932	5776930	1.61	cps
Manganese	55-2	4963257	4954946	4916207	4944803	0.51	cps
Molybdenum	94-1	5610347	5834997	5785944	5743763	2.06	cps
Molybdenum	95-1	8108329	8277655	8459485	8281823	2.12	cps
Molybdenum	96-1	8820416	9176458	9178378	9058417	2.28	cps
Molybdenum	97-1	5012372	5194989	5158390	5121917	1.89	cps
Molybdenum	98-1	13118572	13345657	13461007	13308412	1.31	cps
Neodymium	150-1	27	50	50	42	31.90	cps
Neodymium	150-2	17	10	20	16	32.73	cps
Nickel	60-2	262984	265644	260406	263011	1.00	cps
Phosphorus	31-2	41396	41005	40901	41101	0.63	cps
Potassium	39-2	4088673	3949695	4016437	4018268	1.73	cps
Rhodium	103-1	4824191	4920232	4935356	4893259	1.23	cps
Rhodium	103-2	3024986	2963087	2919067	2969047	1.79	cps
Scandium	45-1	3140930	3253686	3177352	3190656	1.80	cps
Scandium	45-2	302971	301340	302679	302330	0.29	cps
Selenium	82-1	22609	23341	23369	23106	1.86	cps
Selenium	77-2	2317	2624	2437	2459	6.29	cps
Selenium	78-2	8182	8149	8066	8132	0.74	cps
Silicon	28-1	2208019	2244669	2282278	2244989	1.65	cps
Silver	107-1	1807413	1849915	1883559	1846962	2.07	cps
Silver	109-1	1722218	1768593	1786246	1759019	1.88	cps
Sodium	23-2	10165716	9990710	9922004	10026144	1.25	cps
Strontium	86-1	12264370	12491940	12523846	12426719	1.14	cps
Strontium	88-1	106092505	108508232	110074975	108225237	1.85	cps
Sulfur	34-1	280960	283674	285556	283396	0.82	cps
Terbium	159-1	5871605	5903170	5848247	5874341	0.47	cps
Terbium	159-2	3965214	3913089	3956502	3944935	0.71	cps
Thallium	203-1	990728	1027264	1030080	1016024	2.16	cps
Thallium	205-1	2741268	2832802	2771173	2781747	1.68	cps
Tin	118-1	1115137	1142189	1158877	1138734	1.94	cps
Titanium	47-1	2164955	2240570	2226402	2210642	1.82	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:29:01	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3346162	3452144	3441474	3413260	1.71	cps
Vanadium	51-2	626084	619914	622786	622928	0.50	cps
Yttrium	89-1	9020174	8950270	9099874	9023439	0.83	cps
Yttrium	89-2	2368061	2366447	2319155	2351221	1.18	cps
Zinc	66-2	1210825	1205689	1200394	1205636	0.43	cps
Zirconium	90-1	2580344	2629569	2636721	2615544	1.17	cps
Zirconium	91-1	556282	573215	575029	568175	1.82	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:31:54	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1393986	1375550	1376111	1381883	0.76	cps
Antimony	121-1	2971357	3079178	3125301	3058612	2.58	cps
Arsenic	75-2	188764	188538	187337	188213	0.41	cps
Barium	135-1	3625708	3759068	3779852	3721543	2.25	cps
Barium	137-1	6163678	6453504	6311723	6309635	2.30	cps
Beryllium	9-1	329641	338832	340200	336224	1.71	cps
Bismuth	209-1	3459454	3277869	3390129	3375817	2.71	cps
Bismuth	209-2	2827206	2837893	2837591	2834230	0.21	cps
Bromine	81-1	6175	6552	6458	6395	3.07	cps
Bromine	81-2	67	80	93	80	16.66	cps
Cadmium	108-1	49799	51354	50956	50703	1.59	cps
Cadmium	106-1	71659	73582	74403	73215	1.92	cps
Cadmium	111-1	683932	714749	707706	702129	2.30	cps
Calcium	43-1	934530	957733	956642	949635	1.38	cps
Calcium	44-1	13798341	14303837	14334514	14145564	2.13	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1381939	1380067	1392100	1384702	0.47	cps
Cobalt	59-2	2130435	2093055	2105693	2109728	0.90	cps
Copper	63-2	15396421	15447874	15375077	15406457	0.24	cps
Dysprosium	156-1	357	413	320	363	12.94	cps
Dysprosium	156-2	270	217	270	252	12.21	cps
Erbium	164-1	73	90	57	73	22.73	cps
Erbium	164-2	50	47	63	53	16.53	cps
Gadolinium	160-1	103	53	50	69	43.37	cps
Gadolinium	160-2	140	167	170	159	10.35	cps
Holmium	165-1	5770751	5497083	5627283	5631706	2.43	cps
Holmium	165-2	4058303	4128798	4071571	4086224	0.92	cps
Indium	115-1	4948447	4757284	5034439	4913390	2.89	cps
Indium	115-2	1804738	1785469	1794156	1794787	0.54	cps
Iron	56-2	60424131	59539517	59736202	59899950	0.78	cps
Iron	57-2	1502489	1502205	1476661	1493785	0.99	cps
Iron	54-2	3396211	3361571	3379446	3379076	0.51	cps
Krypton	83-1	267	260	213	247	11.78	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:31:54	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9399820	9761325	9642634	9601260	1.92	cps
Lead	207-1	8227065	8340295	8436148	8334503	1.26	cps
Lead	208-1	37355542	38216202	38509518	38027087	1.58	cps
Lithium	6-1	471952	454941	474785	467226	2.30	cps
Magnesium	24-2	11699142	11601102	11678114	11659453	0.44	cps
Manganese	55-2	9901890	9909520	10050934	9954115	0.84	cps
Molybdenum	94-1	11369976	11784867	11767449	11640764	2.02	cps
Molybdenum	95-1	16548426	17187045	17055909	16930460	1.99	cps
Molybdenum	96-1	18016535	18678628	18655471	18450211	2.04	cps
Molybdenum	97-1	10138595	10601971	10686986	10475851	2.82	cps
Molybdenum	98-1	26347645	27466752	27708381	27174260	2.67	cps
Neodymium	150-1	77	103	100	93	15.56	cps
Neodymium	150-2	30	53	17	33	55.67	cps
Nickel	60-2	521865	521049	523525	522146	0.24	cps
Phosphorus	31-2	81569	79552	82243	81121	1.73	cps
Potassium	39-2	8033468	7925857	8071692	8010339	0.94	cps
Rhodium	103-1	4817752	4668128	4821980	4769287	1.84	cps
Rhodium	103-2	2947279	3051146	2996125	2998183	1.73	cps
Scandium	45-1	3114920	3064133	3085841	3088298	0.83	cps
Scandium	45-2	307692	304693	306645	306344	0.50	cps
Selenium	82-1	44909	46594	46087	45863	1.88	cps
Selenium	77-2	4461	4767	4614	4614	3.32	cps
Selenium	78-2	16292	15732	16302	16109	2.03	cps
Silicon	28-1	4031930	4108696	4209059	4116562	2.16	cps
Silver	107-1	3643341	3721518	3771708	3712189	1.74	cps
Silver	109-1	3465277	3594674	3548622	3536191	1.85	cps
Sodium	23-2	20044022	19995425	20236171	20091873	0.63	cps
Strontium	86-1	24421816	25057639	25396997	24958817	1.98	cps
Strontium	88-1	212172530	220165690	223602037	218646752	2.68	cps
Sulfur	34-1	386134	390037	389075	388415	0.52	cps
Terbium	159-1	5873201	5804421	5970917	5882847	1.42	cps
Terbium	159-2	4107431	4068281	4045767	4073827	0.77	cps
Thallium	203-1	2363518	2429418	2452758	2415232	1.92	cps
Thallium	205-1	5539538	5716419	5678533	5644830	1.65	cps
Tin	118-1	2457449	2483999	2549972	2497140	1.91	cps
Titanium	47-1	4375900	4505948	4516886	4466245	1.76	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:31:54	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6962305	7067218	7082843	7037455	0.93	cps
Vanadium	51-2	1261254	1247546	1232116	1246972	1.17	cps
Yttrium	89-1	9043176	8811720	8970208	8941701	1.32	cps
Yttrium	89-2	2432764	2409550	2418288	2420200	0.48	cps
Zinc	66-2	2479079	2493376	2481436	2484630	0.31	cps
Zirconium	90-1	5211359	5420620	5419077	5350352	2.25	cps
Zirconium	91-1	1135978	1172443	1173975	1160799	1.85	cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:34:39	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2812417	2794795	2814691	2807301	0.39	cps
Antimony	121-1	6189196	6248124	6234462	6223927	0.50	cps
Arsenic	75-2	382461	380542	380615	381206	0.29	cps
Barium	135-1	7432424	7608235	7659549	7566736	1.57	cps
Barium	137-1	12822068	13236741	13157366	13072058	1.68	cps
Beryllium	9-1	707076	715886	722736	715233	1.10	cps
Bismuth	209-1	3447799	3612505	3579102	3546469	2.46	cps
Bismuth	209-2	2894720	2812132	2835219	2847357	1.50	cps
Bromine	81-1	6602	6592	6421	6538	1.55	cps
Bromine	81-2	50	73	67	63	18.98	cps
Cadmium	108-1	103365	104909	106457	104911	1.47	cps
Cadmium	106-1	147221	149571	147985	148259	0.81	cps
Cadmium	111-1	1411201	1426687	1432857	1423582	0.78	cps
Calcium	43-1	1904344	1926052	1914475	1914957	0.57	cps
Calcium	44-1	28929030	29053816	29344010	29108952	0.73	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2846522	2828782	2814448	2829917	0.57	cps
Cobalt	59-2	4253201	4208984	4231759	4231315	0.52	cps
Copper	63-2	30878009	30697709	30747141	30774286	0.30	cps
Dysprosium	156-1	510	450	483	481	6.25	cps
Dysprosium	156-2	437	473	397	436	8.80	cps
Erbium	164-1	97	90	100	96	5.33	cps
Erbium	164-2	93	67	47	69	33.98	cps
Gadolinium	160-1	107	63	80	83	26.23	cps
Gadolinium	160-2	270	183	200	218	21.12	cps
Holmium	165-1	5901009	6005493	6059975	5988826	1.35	cps
Holmium	165-2	4222588	4150129	4121420	4164713	1.25	cps
Indium	115-1	5054381	5149551	5125236	5109723	0.97	cps
Indium	115-2	1786626	1745083	1752510	1761406	1.26	cps
Iron	56-2	120853538	120993585	121512575	121119899	0.29	cps
Iron	57-2	3053613	3034154	3052217	3046661	0.36	cps
Iron	54-2	6775748	6720236	6724967	6740317	0.46	cps
Krypton	83-1	253	270	243	256	5.27	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:34:39	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19256754	19760304	19751030	19589363	1.47	cps
Lead	207-1	17037219	17513437	17325531	17292062	1.39	cps
Lead	208-1	77389738	79504512	78845517	78579922	1.38	cps
Lithium	6-1	491889	506961	510595	503148	1.97	cps
Magnesium	24-2	23795817	23252616	23527713	23525382	1.15	cps
Manganese	55-2	20120301	20183586	20053100	20118996	0.32	cps
Molybdenum	94-1	23737593	24354150	24241792	24111179	1.36	cps
Molybdenum	95-1	34613127	35165122	35199984	34992744	0.94	cps
Molybdenum	96-1	37743070	37781404	38454102	37992859	1.05	cps
Molybdenum	97-1	21460889	21716948	21982921	21720253	1.20	cps
Molybdenum	98-1	54771706	56411837	55942866	55708803	1.52	cps
Neodymium	150-1	247	250	277	258	6.38	cps
Neodymium	150-2	50	47	30	42	25.38	cps
Nickel	60-2	1046654	1033639	1041656	1040650	0.63	cps
Phosphorus	31-2	166491	164692	166023	165736	0.56	cps
Potassium	39-2	16182646	16117726	16248282	16182885	0.40	cps
Rhodium	103-1	4885668	4984692	5048960	4973107	1.65	cps
Rhodium	103-2	3035741	2967930	2988457	2997376	1.16	cps
Scandium	45-1	3275927	3258619	3279164	3271237	0.34	cps
Scandium	45-2	312612	310769	307973	310451	0.75	cps
Selenium	82-1	93206	93937	93790	93644	0.41	cps
Selenium	77-2	9480	9903	9613	9665	2.24	cps
Selenium	78-2	31965	31677	32148	31930	0.74	cps
Silicon	28-1	7718974	7809552	7701790	7743439	0.75	cps
Silver	107-1	7595079	7509256	7677955	7594097	1.11	cps
Silver	109-1	6967219	7220875	7354079	7180724	2.74	cps
Sodium	23-2	40855999	40337359	40496553	40563304	0.65	cps
Strontium	86-1	51175089	51467446	51738278	51460271	0.55	cps
Strontium	88-1	448046073	450857073	458088860	452330669	1.15	cps
Sulfur	34-1	603111	614327	610753	609397	0.94	cps
Terbium	159-1	6139027	6256459	6270110	6221865	1.16	cps
Terbium	159-2	4202856	4161302	4151613	4171924	0.65	cps
Thallium	203-1	4916539	4947670	5028421	4964210	1.16	cps
Thallium	205-1	11495012	11627301	11784002	11635438	1.24	cps
Tin	118-1	4930656	5044015	5029041	5001237	1.23	cps
Titanium	47-1	9005435	9132523	9147767	9095242	0.86	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:34:39	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14491443	14759204	14869810	14706819	1.32	cps
Vanadium	51-2	2514869	2532276	2517067	2521404	0.38	cps
Yttrium	89-1	9228921	9662815	9491627	9461121	2.31	cps
Yttrium	89-2	2479811	2446865	2391960	2439545	1.82	cps
Zinc	66-2	5057546	5007121	4994717	5019795	0.66	cps
Zirconium	90-1	10841962	11105061	11057073	11001365	1.27	cps
Zirconium	91-1	2404784	2500712	2452756	2452751	1.96	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:37:25	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14883943	14809071	14810242	14834419	0.29	cps
Antimony	121-1	5041	4924	4654	4873	4.07	cps
Arsenic	75-2	290	250	230	257	11.90	cps
Barium	135-1	3077	3017	3094	3063	1.32	cps
Barium	137-1	5661	5404	5334	5467	3.15	cps
Beryllium	9-1	127	157	140	141	10.65	cps
Bismuth	209-1	3334707	3312833	3352002	3333180	0.59	cps
Bismuth	209-2	2659939	2730409	2723877	2704742	1.44	cps
Bromine	81-1	7128	6955	7419	7167	3.27	cps
Bromine	81-2	87	60	90	79	20.84	cps
Cadmium	108-1	83	57	47	62	30.46	cps
Cadmium	106-1	1527	1637	1527	1563	4.06	cps
Cadmium	111-1	1270	1316	1276	1288	1.93	cps
Calcium	43-1	8225386	8449484	8688413	8454427	2.74	cps
Calcium	44-1	137228675	137323241	141654135	138735350	1.82	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9633	9760	9717	9703	0.66	cps
Cobalt	59-2	11671	11318	11481	11490	1.54	cps
Copper	63-2	8282	8496	8429	8402	1.30	cps
Dysprosium	156-1	567	567	500	544	7.07	cps
Dysprosium	156-2	270	230	243	248	8.22	cps
Erbium	164-1	217	237	237	230	5.02	cps
Erbium	164-2	197	177	123	166	22.90	cps
Gadolinium	160-1	187	193	220	200	8.82	cps
Gadolinium	160-2	260	243	217	240	9.11	cps
Holmium	165-1	6071908	6077056	6077932	6075632	0.05	cps
Holmium	165-2	4172185	4251316	4168106	4197202	1.12	cps
Indium	115-1	5084117	5095577	5073976	5084557	0.21	cps
Indium	115-2	1835533	1830404	1786229	1817389	1.49	cps
Iron	56-2	604838178	603303364	600085911	602742484	0.40	cps
Iron	57-2	15240692	15210070	15116457	15189073	0.43	cps
Iron	54-2	33383332	33575820	33231126	33396760	0.52	cps
Krypton	83-1	273	227	300	267	13.92	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:37:25	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4284	3974	4367	4208	4.93	cps
Lead	207-1	3694	3524	3561	3593	2.49	cps
Lead	208-1	17178	16374	16634	16729	2.45	cps
Lithium	6-1	515939	514746	530101	520262	1.64	cps
Magnesium	24-2	122429638	123259698	122897702	122862346	0.34	cps
Manganese	55-2	11385	10947	10941	11091	2.29	cps
Molybdenum	94-1	6125	5751	5554	5810	4.99	cps
Molybdenum	95-1	5401	5251	5001	5218	3.87	cps
Molybdenum	96-1	11328	10864	11184	11125	2.13	cps
Molybdenum	97-1	3247	3224	3234	3235	0.36	cps
Molybdenum	98-1	8012	7996	7715	7908	2.11	cps
Neodymium	150-1	97	147	93	112	26.62	cps
Neodymium	150-2	87	80	43	70	33.34	cps
Nickel	60-2	5164	5368	5168	5233	2.23	cps
Phosphorus	31-2	213	227	263	234	11.04	cps
Potassium	39-2	83864742	83841120	84541375	84082413	0.47	cps
Rhodium	103-1	4714429	4733957	4781433	4743273	0.73	cps
Rhodium	103-2	2933559	2908171	2926664	2922798	0.45	cps
Scandium	45-1	3334127	3292463	3354783	3327124	0.95	cps
Scandium	45-2	321681	318698	318268	319549	0.58	cps
Selenium	82-1	490	488	368	449	15.57	cps
Selenium	77-2	3	0	7	3	100.05	cps
Selenium	78-2	320	327	397	348	12.21	cps
Silicon	28-1	337392	331974	328471	332612	1.35	cps
Silver	107-1	1053	960	873	962	9.36	cps
Silver	109-1	870	870	687	809	13.09	cps
Sodium	23-2	209451584	207424110	205973710	207616468	0.84	cps
Strontium	86-1	9016	8593	8566	8725	2.90	cps
Strontium	88-1	75218	73600	72243	73687	2.02	cps
Sulfur	34-1	188608	193518	194622	192250	1.67	cps
Terbium	159-1	6236668	6141037	6292492	6223399	1.23	cps
Terbium	159-2	4197936	4173827	4121251	4164338	0.94	cps
Thallium	203-1	833	723	630	729	13.96	cps
Thallium	205-1	1733	1520	1463	1572	9.06	cps
Tin	118-1	3591	3424	3597	3537	2.78	cps
Titanium	47-1	1343	1467	1387	1399	4.47	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:37:25	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	887	867	763	839	7.89	cps
Vanadium	51-2	587	543	673	601	11.01	cps
Yttrium	89-1	9335911	9439542	9352995	9376149	0.59	cps
Yttrium	89-2	2473828	2488174	2437720	2466574	1.05	cps
Zinc	66-2	5138	4961	5431	5177	4.59	cps
Zirconium	90-1	6345	6211	6211	6256	1.23	cps
Zirconium	91-1	1423	1467	1343	1411	4.43	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICV006	Instrumnet Name :	P7
Client Sample ID :	ICV006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:42:33	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	68449	68833	67993	68425	0.61	cps
Antimony	121-1	1096703	1124802	1139374	1120293	1.94	cps
Arsenic	75-2	76763	76379	75913	76352	0.56	cps
Barium	135-1	129829	132933	134875	132546	1.92	cps
Barium	137-1	221796	229421	229099	226772	1.90	cps
Beryllium	9-1	66261	69100	68179	67846	2.13	cps
Bismuth	209-1	3293728	3362199	3327527	3327818	1.03	cps
Bismuth	209-2	2652108	2867187	2760602	2759966	3.90	cps
Bromine	81-1	6205	6288	6682	6391	3.98	cps
Bromine	81-2	57	87	80	74	21.16	cps
Cadmium	108-1	9043	9496	9470	9336	2.73	cps
Cadmium	106-1	14260	14110	14504	14292	1.39	cps
Cadmium	111-1	137434	142331	142887	140884	2.13	cps
Calcium	43-1	32879	33353	33995	33409	1.68	cps
Calcium	44-1	550910	566041	568859	561937	1.72	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	289039	284269	285211	286173	0.88	cps
Cobalt	59-2	428293	421002	426888	425394	0.91	cps
Copper	63-2	291195	290919	287386	289833	0.73	cps
Dysprosium	156-1	333	307	297	312	6.07	cps
Dysprosium	156-2	77	127	60	88	39.53	cps
Erbium	164-1	30	40	23	31	26.97	cps
Erbium	164-2	40	43	27	37	24.04	cps
Gadolinium	160-1	23	23	33	27	21.65	cps
Gadolinium	160-2	140	173	150	154	11.08	cps
Holmium	165-1	5575127	5643658	5589005	5602596	0.65	cps
Holmium	165-2	3816184	4116922	3894418	3942508	3.96	cps
Indium	115-1	5037051	5153837	5082535	5091141	1.16	cps
Indium	115-2	1672008	1919477	1759215	1783567	7.04	cps
Iron	56-2	4850788	4761069	4746716	4786191	1.18	cps
Iron	57-2	124037	122559	124921	123839	0.96	cps
Iron	54-2	285113	277008	283007	281709	1.49	cps
Krypton	83-1	250	223	193	222	12.76	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICV006	Instrumnet Name :	P7
Client Sample ID :	ICV006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:42:33	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	704671	717932	723267	715290	1.34	cps
Lead	207-1	586505	601026	604781	597437	1.62	cps
Lead	208-1	2728510	2788331	2807533	2774791	1.49	cps
Lithium	6-1	460310	470414	463933	464886	1.10	cps
Magnesium	24-2	292944	287492	289748	290061	0.94	cps
Manganese	55-2	204114	196669	197979	199587	1.99	cps
Molybdenum	94-1	970	957	910	946	3.33	cps
Molybdenum	95-1	490	493	403	462	11.04	cps
Molybdenum	96-1	607	657	697	653	6.90	cps
Molybdenum	97-1	300	233	217	250	17.64	cps
Molybdenum	98-1	627	660	620	636	3.37	cps
Neodymium	150-1	13	13	10	12	15.73	cps
Neodymium	150-2	10	10	0	7	86.60	cps
Nickel	60-2	111024	107710	108688	109141	1.56	cps
Phosphorus	31-2	193	130	173	166	19.56	cps
Potassium	39-2	748252	746915	747547	747571	0.09	cps
Rhodium	103-1	4962112	4891739	4967761	4940537	0.86	cps
Rhodium	103-2	2908207	3167188	2980264	3018553	4.43	cps
Scandium	45-1	3226233	3240639	3234319	3233730	0.22	cps
Scandium	45-2	294395	321860	300879	305711	4.70	cps
Selenium	82-1	18993	19357	19284	19211	1.00	cps
Selenium	77-2	1940	1917	2104	1987	5.12	cps
Selenium	78-2	7112	6968	7168	7083	1.46	cps
Silicon	28-1	292218	295605	295852	294558	0.69	cps
Silver	107-1	335259	346252	342558	341356	1.64	cps
Silver	109-1	315995	327212	324893	322700	1.83	cps
Sodium	23-2	883119	865289	874401	874270	1.02	cps
Strontium	86-1	1087	1050	1170	1102	5.58	cps
Strontium	88-1	7062	6902	6965	6976	1.16	cps
Sulfur	34-1	185143	188092	184863	186033	0.96	cps
Terbium	159-1	5808552	5933532	5939803	5893963	1.26	cps
Terbium	159-2	3760789	4129776	3823861	3904809	5.05	cps
Thallium	203-1	870509	893938	895808	886752	1.59	cps
Thallium	205-1	2365632	2411809	2422774	2400072	1.26	cps
Tin	118-1	1643	1770	1857	1757	6.11	cps
Titanium	47-1	177	163	227	189	17.68	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICV006	Instrumnet Name :	P7
Client Sample ID :	ICV006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:42:33	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	103	113	100	106	6.58	cps
Vanadium	51-2	249815	245303	248322	247813	0.93	cps
Yttrium	89-1	8986494	9148878	9062265	9065879	0.90	cps
Yttrium	89-2	2298598	2513199	2361459	2391085	4.61	cps
Zinc	66-2	97553	96748	97070	97123	0.42	cps
Zirconium	90-1	1780	1630	1287	1566	16.15	cps
Zirconium	91-1	423	470	423	439	6.14	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICB006	Instrumnet Name :	P7
Client Sample ID :	ICB006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:45:49	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	303	283	263	283	7.06	cps
Antimony	121-1	860	773	837	823	5.45	cps
Arsenic	75-2	17	17	20	18	10.81	cps
Barium	135-1	127	70	73	90	35.33	cps
Barium	137-1	133	137	153	141	7.59	cps
Beryllium	9-1	17	37	57	37	54.54	cps
Bismuth	209-1	3276267	3338765	3395436	3336823	1.79	cps
Bismuth	209-2	2730410	2728185	2790577	2749724	1.29	cps
Bromine	81-1	6191	6278	6215	6228	0.72	cps
Bromine	81-2	77	73	70	73	4.55	cps
Cadmium	108-1	13	13	13	13	0.00	cps
Cadmium	106-1	1500	1493	1490	1495	0.34	cps
Cadmium	111-1	1064	1066	1057	1062	0.44	cps
Calcium	43-1	340	263	290	298	13.07	cps
Calcium	44-1	16763	15855	16219	16279	2.81	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	737	773	750	753	2.46	cps
Cobalt	59-2	153	167	137	152	9.87	cps
Copper	63-2	1233	1163	1233	1210	3.34	cps
Dysprosium	156-1	367	327	223	306	24.21	cps
Dysprosium	156-2	57	90	63	70	25.20	cps
Erbium	164-1	50	50	23	41	37.46	cps
Erbium	164-2	30	43	23	32	31.61	cps
Gadolinium	160-1	20	30	20	23	24.74	cps
Gadolinium	160-2	117	157	153	142	15.61	cps
Holmium	165-1	5517518	5650006	5576728	5581418	1.19	cps
Holmium	165-2	3958070	3884868	3919086	3920674	0.93	cps
Indium	115-1	5020795	4985766	4930477	4979013	0.91	cps
Indium	115-2	1805448	1802346	1791406	1799733	0.41	cps
Iron	56-2	14681	15091	14664	14812	1.63	cps
Iron	57-2	2937	3190	2974	3034	4.51	cps
Iron	54-2	1737	1767	1730	1745	1.12	cps
Krypton	83-1	267	280	183	243	21.53	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICB006	Instrumnet Name :	P7
Client Sample ID :	ICB006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:45:49	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	537	500	450	496	8.78	cps
Lead	207-1	480	433	407	440	8.44	cps
Lead	208-1	2170	2053	1870	2031	7.45	cps
Lithium	6-1	445078	461881	454807	453922	1.86	cps
Magnesium	24-2	970	933	970	958	2.21	cps
Manganese	55-2	560	527	517	534	4.25	cps
Molybdenum	94-1	430	463	497	463	7.19	cps
Molybdenum	95-1	227	243	233	234	3.58	cps
Molybdenum	96-1	330	293	333	319	6.96	cps
Molybdenum	97-1	173	137	173	161	13.14	cps
Molybdenum	98-1	337	290	310	312	7.50	cps
Neodymium	150-1	7	13	10	10	33.30	cps
Neodymium	150-2	3	0	3	2	86.60	cps
Nickel	60-2	97	110	103	103	6.45	cps
Phosphorus	31-2	137	117	180	144	22.41	cps
Potassium	39-2	88958	87697	89002	88552	0.84	cps
Rhodium	103-1	4870387	4898371	4858105	4875621	0.42	cps
Rhodium	103-2	3016582	3055514	2975930	3016009	1.32	cps
Scandium	45-1	3178627	3152884	3111963	3147825	1.07	cps
Scandium	45-2	306017	301391	302916	303441	0.78	cps
Selenium	82-1	331	236	352	306	20.21	cps
Selenium	77-2	3	3	3	3	0.00	cps
Selenium	78-2	383	410	370	388	5.25	cps
Silicon	28-1	287648	288533	289381	288521	0.30	cps
Silver	107-1	340	260	220	273	22.36	cps
Silver	109-1	267	223	183	224	18.57	cps
Sodium	23-2	49453	49225	48479	49052	1.04	cps
Strontium	86-1	460	540	463	488	9.28	cps
Strontium	88-1	1370	1227	1280	1292	5.61	cps
Sulfur	34-1	183420	182647	183500	183189	0.26	cps
Terbium	159-1	5804083	5768125	5708546	5760251	0.84	cps
Terbium	159-2	3966191	3953178	3947188	3955519	0.25	cps
Thallium	203-1	257	257	237	250	4.62	cps
Thallium	205-1	627	553	540	573	8.14	cps
Tin	118-1	1260	1487	1600	1449	11.95	cps
Titanium	47-1	140	157	163	153	7.84	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICB006	Instrumnet Name :	P7
Client Sample ID :	ICB006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:45:49	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	67	67	27	53	43.30	cps
Vanadium	51-2	20	27	33	27	24.99	cps
Yttrium	89-1	8968170	8827468	8835276	8876971	0.89	cps
Yttrium	89-2	2420994	2416853	2429308	2422385	0.26	cps
Zinc	66-2	547	557	533	546	2.15	cps
Zirconium	90-1	923	833	860	872	5.30	cps
Zirconium	91-1	197	187	207	197	5.08	cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICSA006	Instrumnet Name :	P7
Client Sample ID :	ICSA006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:49:07	DataFile Name :	015ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13064932	13088873	13299352	13151052	0.98	cps
Antimony	121-1	6858	6928	7132	6973	2.04	cps
Arsenic	75-2	147	130	117	131	11.46	cps
Barium	135-1	2224	2120	1930	2091	7.12	cps
Barium	137-1	3530	3590	3681	3600	2.10	cps
Beryllium	9-1	270	237	220	242	10.51	cps
Bismuth	209-1	3507863	3449464	3334790	3430706	2.57	cps
Bismuth	209-2	2753927	2727829	2748682	2743479	0.50	cps
Bromine	81-1	6311	6605	6705	6540	3.13	cps
Bromine	81-2	133	103	110	116	13.64	cps
Cadmium	108-1	657	600	567	608	7.49	cps
Cadmium	106-1	1400	1490	1430	1440	3.18	cps
Cadmium	111-1	1384	1420	1451	1418	2.38	cps
Calcium	43-1	1608931	1706776	1702845	1672851	3.31	cps
Calcium	44-1	26407506	27679566	27793750	27293608	2.82	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	57064	57144	57024	57077	0.11	cps
Cobalt	59-2	5448	5404	5544	5465	1.31	cps
Copper	63-2	23619	23499	23799	23639	0.64	cps
Dysprosium	156-1	357	250	263	290	20.04	cps
Dysprosium	156-2	87	77	97	87	11.54	cps
Erbium	164-1	70	60	50	60	16.67	cps
Erbium	164-2	40	50	37	42	16.43	cps
Gadolinium	160-1	50	37	33	40	22.05	cps
Gadolinium	160-2	203	170	163	179	11.98	cps
Holmium	165-1	5961248	5916621	5822317	5900062	1.20	cps
Holmium	165-2	4120868	4151063	4099593	4123842	0.63	cps
Indium	115-1	5228059	5026851	4922736	5059215	3.07	cps
Indium	115-2	1836976	1780917	1803695	1807196	1.56	cps
Iron	56-2	242394803	239948883	242506696	241616794	0.60	cps
Iron	57-2	5981333	6008444	6020481	6003419	0.33	cps
Iron	54-2	13309184	13379773	13544757	13411238	0.90	cps
Krypton	83-1	230	287	243	253	11.70	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICSA006	Instrumnet Name :	P7
Client Sample ID :	ICSA006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:49:07	DataFile Name :	015ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	16520	16710	16403	16545	0.94	cps
Lead	207-1	12286	13323	13370	12993	4.72	cps
Lead	208-1	60834	63238	62753	62275	2.04	cps
Lithium	6-1	510434	476155	476789	487793	4.02	cps
Magnesium	24-2	23485548	23381836	23560153	23475846	0.38	cps
Manganese	55-2	18144	18298	17894	18112	1.13	cps
Molybdenum	94-1	3543532	3480473	3545361	3523122	1.05	cps
Molybdenum	95-1	6122992	6076150	6090376	6096506	0.39	cps
Molybdenum	96-1	6475404	6473615	6419587	6456202	0.49	cps
Molybdenum	97-1	3671955	3733385	3735634	3713658	0.97	cps
Molybdenum	98-1	9574448	9770440	9604983	9649957	1.09	cps
Neodymium	150-1	60	33	43	46	29.58	cps
Neodymium	150-2	33	13	10	19	66.81	cps
Nickel	60-2	5788	5791	6141	5907	3.44	cps
Phosphorus	31-2	848122	842950	844807	845293	0.31	cps
Potassium	39-2	32224706	32074445	32182625	32160592	0.24	cps
Rhodium	103-1	4779819	4810435	4836981	4809079	0.59	cps
Rhodium	103-2	2979369	3027986	2941998	2983118	1.45	cps
Scandium	45-1	3284489	3318781	3368433	3323901	1.27	cps
Scandium	45-2	311820	313002	316021	313614	0.69	cps
Selenium	82-1	377	344	342	354	5.61	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	377	377	380	378	0.51	cps
Silicon	28-1	337967	340706	339755	339476	0.41	cps
Silver	107-1	1017	763	817	866	15.43	cps
Silver	109-1	800	723	857	793	8.43	cps
Sodium	23-2	40285255	39942878	40746150	40324761	1.00	cps
Strontium	86-1	68713	70331	70140	69728	1.27	cps
Strontium	88-1	597526	595499	594236	595754	0.28	cps
Sulfur	34-1	2204040	2323106	2317022	2281390	2.94	cps
Terbium	159-1	5949511	6103295	6177858	6076888	1.92	cps
Terbium	159-2	4110942	4117383	4121326	4116550	0.13	cps
Thallium	203-1	757	860	883	833	8.09	cps
Thallium	205-1	1673	1947	1857	1826	7.63	cps
Tin	118-1	2200	2294	2360	2285	3.52	cps
Titanium	47-1	1658409	1682783	1663896	1668362	0.77	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICSA006	Instrumnet Name :	P7
Client Sample ID :	ICSA006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:49:07	DataFile Name :	015ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	377	480	430	429	12.05	cps
Vanadium	51-2	510	463	510	494	5.45	cps
Yttrium	89-1	9228937	9195648	9148519	9191035	0.44	cps
Yttrium	89-2	2462922	2468025	2440475	2457141	0.60	cps
Zinc	66-2	6702	6678	6832	6737	1.23	cps
Zirconium	90-1	757	770	757	761	1.01	cps
Zirconium	91-1	203	213	167	194	12.64	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICSAB006	Instrumnet Name :	P7
Client Sample ID :	ICSAB006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:52:10	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13434988	13271749	13308422	13338386	0.64	cps
Antimony	121-1	121169	122093	123898	122386	1.13	cps
Arsenic	75-2	7749	7785	8152	7896	2.83	cps
Barium	135-1	29524	30319	30663	30169	1.94	cps
Barium	137-1	49325	51132	51784	50747	2.51	cps
Beryllium	9-1	13289	13890	14187	13788	3.32	cps
Bismuth	209-1	3544450	3477040	3487363	3502951	1.04	cps
Bismuth	209-2	2824411	2819485	2826186	2823361	0.12	cps
Bromine	81-1	7228	7329	7432	7330	1.39	cps
Bromine	81-2	197	210	223	210	6.35	cps
Cadmium	108-1	2360	2324	2570	2418	5.51	cps
Cadmium	106-1	4094	4027	4127	4083	1.25	cps
Cadmium	111-1	29251	29798	29267	29439	1.06	cps
Calcium	43-1	1613829	1659201	1642195	1638408	1.40	cps
Calcium	44-1	26722240	27091630	26883759	26899210	0.69	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	116042	116983	115371	116132	0.70	cps
Cobalt	59-2	90454	90230	90551	90412	0.18	cps
Copper	63-2	84430	84869	83253	84184	0.99	cps
Dysprosium	156-1	317	297	227	280	16.88	cps
Dysprosium	156-2	60	77	77	71	13.53	cps
Erbium	164-1	83	73	57	71	18.94	cps
Erbium	164-2	30	73	43	49	45.40	cps
Gadolinium	160-1	43	50	20	38	41.70	cps
Gadolinium	160-2	133	153	173	153	13.04	cps
Holmium	165-1	5975087	6156624	6140211	6090641	1.65	cps
Holmium	165-2	4221177	4251697	4211074	4227983	0.50	cps
Indium	115-1	5159085	5290573	5321890	5257183	1.64	cps
Indium	115-2	1868647	1853441	1820950	1847679	1.32	cps
Iron	56-2	245713463	242621170	241188196	243174276	0.95	cps
Iron	57-2	6157628	6105508	6039096	6100744	0.97	cps
Iron	54-2	13730980	13571456	13477196	13593211	0.94	cps
Krypton	83-1	237	257	207	233	10.79	cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICSAB006	Instrumnet Name :	P7
Client Sample ID :	ICSAB006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:52:10	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	91767	94593	97972	94777	3.28	cps
Lead	207-1	74895	79524	78899	77773	3.23	cps
Lead	208-1	351720	361368	366814	359967	2.12	cps
Lithium	6-1	491397	469784	455001	472061	3.88	cps
Magnesium	24-2	23783120	24012003	23603290	23799471	0.86	cps
Manganese	55-2	60812	58229	58356	59132	2.46	cps
Molybdenum	94-1	3585061	3591623	3666615	3614433	1.25	cps
Molybdenum	95-1	6108291	6252883	6310658	6223944	1.67	cps
Molybdenum	96-1	6440249	6704696	6753866	6632937	2.54	cps
Molybdenum	97-1	3692290	3893484	3974642	3853472	3.77	cps
Molybdenum	98-1	9529863	9971724	10160550	9887379	3.27	cps
Neodymium	150-1	37	43	30	37	18.18	cps
Neodymium	150-2	7	23	10	13	66.12	cps
Nickel	60-2	27916	28043	27979	27980	0.23	cps
Phosphorus	31-2	872158	861493	865028	866226	0.63	cps
Potassium	39-2	32887707	33058620	32812610	32919646	0.38	cps
Rhodium	103-1	4886984	5006466	5124649	5006033	2.37	cps
Rhodium	103-2	3081727	3093131	3042970	3072609	0.86	cps
Scandium	45-1	3389776	3287530	3298559	3325289	1.69	cps
Scandium	45-2	325175	320873	322442	322830	0.67	cps
Selenium	82-1	2091	2251	2210	2184	3.81	cps
Selenium	77-2	180	193	190	188	3.70	cps
Selenium	78-2	1110	880	950	980	12.03	cps
Silicon	28-1	355160	364145	371147	363484	2.20	cps
Silver	107-1	135789	136414	137891	136698	0.79	cps
Silver	109-1	124163	129325	127821	127103	2.09	cps
Sodium	23-2	40715610	40987613	40975441	40892888	0.38	cps
Strontium	86-1	68706	69319	69416	69147	0.56	cps
Strontium	88-1	597591	618025	621854	612490	2.13	cps
Sulfur	34-1	2218828	2311489	2267663	2265993	2.05	cps
Terbium	159-1	6194044	6364408	6335998	6298150	1.45	cps
Terbium	159-2	4203569	4145304	4258717	4202530	1.35	cps
Thallium	203-1	92877	96667	96455	95333	2.23	cps
Thallium	205-1	222543	225185	224557	224095	0.62	cps
Tin	118-1	4071	4687	4727	4495	8.19	cps
Titanium	47-1	1664413	1674883	1669227	1669508	0.31	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	ICSAB006	Instrumnet Name :	P7
Client Sample ID :	ICSAB006	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:52:10	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	547	413	1151	704	55.84	cps
Vanadium	51-2	51845	51541	51163	51517	0.66	cps
Yttrium	89-1	9396978	9595651	9538186	9510271	1.08	cps
Yttrium	89-2	2514502	2484783	2527364	2508883	0.87	cps
Zinc	66-2	20054	19176	20060	19763	2.57	cps
Zirconium	90-1	700	780	957	812	16.17	cps
Zirconium	91-1	200	137	197	178	20.05	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV029	Instrumnet Name :	P7
Client Sample ID :	CCV029	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:55:16	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7661037	7640801	7650837	7650892	0.13	cps
Antimony	121-1	3053330	3155193	3203848	3137457	2.45	cps
Arsenic	75-2	212246	213385	211698	212443	0.41	cps
Barium	135-1	3886459	3914704	3873451	3891538	0.54	cps
Barium	137-1	6613709	6720703	6749280	6694564	1.07	cps
Beryllium	9-1	328039	337768	337146	334318	1.63	cps
Bismuth	209-1	3503867	3424011	3475375	3467751	1.17	cps
Bismuth	209-2	2774573	2750272	2753386	2759410	0.48	cps
Bromine	81-1	7645	7202	7118	7322	3.87	cps
Bromine	81-2	90	63	117	90	29.63	cps
Cadmium	108-1	54643	55191	56312	55382	1.54	cps
Cadmium	106-1	77208	80451	80344	79334	2.32	cps
Cadmium	111-1	742794	763974	763151	756640	1.59	cps
Calcium	43-1	4333353	4512320	4461962	4435879	2.08	cps
Calcium	44-1	70258076	71684952	71794409	71245812	1.20	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1486552	1513913	1472028	1490831	1.43	cps
Cobalt	59-2	2326072	2341771	2351710	2339851	0.55	cps
Copper	63-2	16576618	16430222	16429699	16478846	0.51	cps
Dysprosium	156-1	407	437	447	430	4.84	cps
Dysprosium	156-2	350	293	303	316	9.59	cps
Erbium	164-1	140	120	153	138	12.18	cps
Erbium	164-2	97	90	103	97	6.89	cps
Gadolinium	160-1	157	113	123	131	17.31	cps
Gadolinium	160-2	270	233	233	246	8.62	cps
Holmium	165-1	6167776	6036718	6101208	6101901	1.07	cps
Holmium	165-2	4209930	4222893	4223789	4218871	0.18	cps
Indium	115-1	5305808	5233410	5292456	5277225	0.73	cps
Indium	115-2	1823003	1803079	1824563	1816882	0.66	cps
Iron	56-2	317851095	316062409	313426869	315780124	0.70	cps
Iron	57-2	7907974	8009684	7877275	7931644	0.87	cps
Iron	54-2	17451228	17681902	17464280	17532470	0.74	cps
Krypton	83-1	293	247	267	269	8.71	cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV029	Instrumnet Name :	P7
Client Sample ID :	CCV029	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:55:16	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9688255	9877614	9837800	9801223	1.02	cps
Lead	207-1	8414215	8572066	8572989	8519757	1.07	cps
Lead	208-1	38320119	38871204	38997420	38729581	0.93	cps
Lithium	6-1	448178	451684	448830	449564	0.41	cps
Magnesium	24-2	63367414	63601851	63346234	63438500	0.22	cps
Manganese	55-2	10497368	10516575	10384556	10466166	0.68	cps
Molybdenum	94-1	12095415	12493329	12652177	12413640	2.31	cps
Molybdenum	95-1	17513436	18053896	18239038	17935457	2.10	cps
Molybdenum	96-1	19052198	19342133	19738335	19377555	1.78	cps
Molybdenum	97-1	10988261	10934938	11165051	11029417	1.09	cps
Molybdenum	98-1	28567860	28678548	28938155	28728188	0.66	cps
Neodymium	150-1	210	150	203	188	17.51	cps
Neodymium	150-2	53	110	70	78	37.45	cps
Nickel	60-2	572556	569860	568684	570367	0.35	cps
Phosphorus	31-2	89704	89704	89349	89586	0.23	cps
Potassium	39-2	43123897	43562826	43518997	43401907	0.56	cps
Rhodium	103-1	5015431	5019168	4968709	5001103	0.56	cps
Rhodium	103-2	3027583	3015810	2994160	3012517	0.56	cps
Scandium	45-1	3418449	3427642	3378173	3408088	0.77	cps
Scandium	45-2	327909	329083	331069	329354	0.48	cps
Selenium	82-1	50368	50898	51196	50821	0.83	cps
Selenium	77-2	5204	5048	5164	5139	1.58	cps
Selenium	78-2	17624	17581	17824	17676	0.74	cps
Silicon	28-1	20003652	20143091	20300276	20149007	0.74	cps
Silver	107-1	3909103	3988533	4003863	3967167	1.28	cps
Silver	109-1	3750497	3776721	3802131	3776450	0.68	cps
Sodium	23-2	107308515	105644422	106364808	106439248	0.78	cps
Strontium	86-1	25946362	26245494	26755286	26315714	1.55	cps
Strontium	88-1	225242883	231476983	234789277	230503048	2.10	cps
Sulfur	34-1	388148	398520	398244	394971	1.50	cps
Terbium	159-1	6362962	6388968	6283667	6345199	0.86	cps
Terbium	159-2	4154486	4149304	4163143	4155644	0.17	cps
Thallium	203-1	2412623	2470265	2447185	2443358	1.19	cps
Thallium	205-1	5743493	5885903	5783873	5804423	1.26	cps
Tin	118-1	2415966	2526070	2499684	2480573	2.32	cps
Titanium	47-1	4706893	4705986	4807755	4740211	1.23	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV029	Instrumnet Name :	P7
Client Sample ID :	CCV029	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:55:16	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7231464	7399718	7484422	7371868	1.75	cps
Vanadium	51-2	1345027	1368463	1359697	1357729	0.87	cps
Yttrium	89-1	9867258	9731055	9760219	9786177	0.73	cps
Yttrium	89-2	2492021	2498591	2530608	2507074	0.82	cps
Zinc	66-2	2714327	2766386	2709991	2730235	1.15	cps
Zirconium	90-1	5707358	5826043	5788083	5773828	1.05	cps
Zirconium	91-1	1230288	1258067	1258209	1248855	1.29	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB029	Instrumnet Name :	P7
Client Sample ID :	CCB029	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:58:02	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	950	980	937	956	2.32	cps
Antimony	121-1	2274	1940	2010	2075	8.47	cps
Arsenic	75-2	7	17	23	16	53.90	cps
Barium	135-1	313	290	320	308	5.12	cps
Barium	137-1	600	507	507	538	10.02	cps
Beryllium	9-1	87	77	63	76	15.50	cps
Bismuth	209-1	3447029	3572754	3492212	3503998	1.82	cps
Bismuth	209-2	2839194	2859028	2853146	2850456	0.36	cps
Bromine	81-1	6845	6868	6768	6827	0.77	cps
Bromine	81-2	33	67	57	52	32.76	cps
Cadmium	108-1	7	10	23	13	66.12	cps
Cadmium	106-1	1467	1630	1567	1555	5.30	cps
Cadmium	111-1	1132	1227	1167	1176	4.10	cps
Calcium	43-1	843	770	763	792	5.60	cps
Calcium	44-1	25639	25001	25599	25413	1.41	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	753	760	810	774	4.00	cps
Cobalt	59-2	267	220	303	263	15.86	cps
Copper	63-2	2444	2317	2294	2351	3.43	cps
Dysprosium	156-1	223	267	260	250	9.33	cps
Dysprosium	156-2	63	83	77	74	13.68	cps
Erbium	164-1	47	73	40	53	33.07	cps
Erbium	164-2	23	33	40	32	26.04	cps
Gadolinium	160-1	37	20	27	28	30.20	cps
Gadolinium	160-2	160	153	147	153	4.35	cps
Holmium	165-1	5928059	5825024	5844430	5865838	0.93	cps
Holmium	165-2	4057521	4117341	4001438	4058767	1.43	cps
Indium	115-1	5302445	5205316	5223226	5243662	0.99	cps
Indium	115-2	1840020	1856616	1868279	1854972	0.77	cps
Iron	56-2	35345	35552	35909	35602	0.80	cps
Iron	57-2	3484	3484	3637	3535	2.50	cps
Iron	54-2	2870	2827	2940	2879	1.99	cps
Krypton	83-1	237	230	217	228	4.47	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB029	Instrumnet Name :	P7
Client Sample ID :	CCB029	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:58:02	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1170	1160	1137	1156	1.48	cps
Lead	207-1	963	1033	920	972	5.88	cps
Lead	208-1	4704	4480	4227	4470	5.34	cps
Lithium	6-1	441972	444128	441886	442662	0.29	cps
Magnesium	24-2	4467	4567	4597	4544	1.50	cps
Manganese	55-2	1687	1597	1640	1641	2.74	cps
Molybdenum	94-1	1773	1423	1550	1582	11.20	cps
Molybdenum	95-1	1970	1663	1673	1769	9.85	cps
Molybdenum	96-1	2007	1703	1817	1842	8.32	cps
Molybdenum	97-1	1167	1007	937	1037	11.37	cps
Molybdenum	98-1	2927	2450	2647	2675	8.96	cps
Neodymium	150-1	0	20	3	8	137.80	cps
Neodymium	150-2	10	3	3	6	69.34	cps
Nickel	60-2	187	187	203	192	5.01	cps
Phosphorus	31-2	197	123	180	167	23.07	cps
Potassium	39-2	98777	97318	97999	98032	0.74	cps
Rhodium	103-1	5119736	5172950	5185477	5159388	0.68	cps
Rhodium	103-2	3102184	3097464	3135783	3111810	0.67	cps
Scandium	45-1	3279052	3312783	3268163	3286666	0.71	cps
Scandium	45-2	313287	313538	314314	313713	0.17	cps
Selenium	82-1	342	381	391	371	6.90	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	327	420	407	384	13.13	cps
Silicon	28-1	291765	290849	288760	290458	0.53	cps
Silver	107-1	590	490	467	516	12.71	cps
Silver	109-1	567	503	433	501	13.31	cps
Sodium	23-2	66406	66299	65442	66049	0.80	cps
Strontium	86-1	2057	1833	1847	1912	6.55	cps
Strontium	88-1	14521	13036	12445	13334	8.02	cps
Sulfur	34-1	180661	181231	179547	180480	0.47	cps
Terbium	159-1	6204259	6118692	6039941	6120964	1.34	cps
Terbium	159-2	3991202	4037581	4072600	4033794	1.01	cps
Thallium	203-1	807	613	597	672	17.37	cps
Thallium	205-1	1750	1503	1433	1562	10.65	cps
Tin	118-1	2084	2144	2190	2139	2.50	cps
Titanium	47-1	530	427	567	508	14.30	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB029	Instrumnet Name :	P7
Client Sample ID :	CCB029	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 18:58:02	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	497	383	393	424	14.78	cps
Vanadium	51-2	90	80	100	90	11.11	cps
Yttrium	89-1	9380529	9407477	9218683	9335563	1.09	cps
Yttrium	89-2	2478572	2497320	2435926	2470606	1.27	cps
Zinc	66-2	1210	1233	1153	1199	3.43	cps
Zirconium	90-1	1873	1490	1373	1579	16.57	cps
Zirconium	91-1	393	377	333	368	8.42	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164339BL	Instrumnet Name :	P7
Client Sample ID :	PBW339	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:01:21	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	683	687	680	683	0.49	cps
Antimony	121-1	647	707	703	686	4.92	cps
Arsenic	75-2	23	10	13	16	44.60	cps
Barium	135-1	193	173	213	193	10.34	cps
Barium	137-1	347	330	293	323	8.44	cps
Beryllium	9-1	57	40	43	47	18.90	cps
Bismuth	209-1	3323822	3335560	3380888	3346757	0.90	cps
Bismuth	209-2	2794314	2828663	2784812	2802596	0.82	cps
Bromine	81-1	6505	6271	6305	6360	1.99	cps
Bromine	81-2	87	73	70	77	11.51	cps
Cadmium	108-1	17	7	13	12	41.65	cps
Cadmium	106-1	1390	1400	1407	1399	0.60	cps
Cadmium	111-1	1021	992	1055	1023	3.10	cps
Calcium	43-1	473	483	463	473	2.11	cps
Calcium	44-1	18388	18712	19143	18748	2.02	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	810	677	707	731	9.57	cps
Cobalt	59-2	227	220	210	219	3.83	cps
Copper	63-2	1680	1737	1850	1756	4.93	cps
Dysprosium	156-1	280	307	327	304	7.69	cps
Dysprosium	156-2	77	67	100	81	21.09	cps
Erbium	164-1	43	47	33	41	16.89	cps
Erbium	164-2	17	20	10	16	32.73	cps
Gadolinium	160-1	40	33	7	27	66.13	cps
Gadolinium	160-2	157	150	170	159	6.41	cps
Holmium	165-1	5613710	5728641	5642476	5661609	1.06	cps
Holmium	165-2	3961920	4035542	3916627	3971363	1.51	cps
Indium	115-1	5004738	5042257	5085602	5044199	0.80	cps
Indium	115-2	1777961	1787306	1810511	1791926	0.94	cps
Iron	56-2	25869	25291	24630	25264	2.45	cps
Iron	57-2	3340	3340	3304	3328	0.64	cps
Iron	54-2	2564	2520	2434	2506	2.64	cps
Krypton	83-1	210	237	263	237	11.27	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164339BL	Instrumnet Name :	P7
Client Sample ID :	PBW339	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:01:21	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	750	623	613	662	11.50	cps
Lead	207-1	597	537	557	563	5.42	cps
Lead	208-1	2817	2543	2560	2640	5.80	cps
Lithium	6-1	427857	431346	428357	429187	0.44	cps
Magnesium	24-2	2787	2667	2787	2747	2.52	cps
Manganese	55-2	947	740	920	869	12.94	cps
Molybdenum	94-1	1030	927	853	937	9.48	cps
Molybdenum	95-1	837	830	753	807	5.74	cps
Molybdenum	96-1	1103	883	993	993	11.07	cps
Molybdenum	97-1	467	513	570	517	10.02	cps
Molybdenum	98-1	1187	1310	1147	1215	7.01	cps
Neodymium	150-1	13	7	7	9	43.25	cps
Neodymium	150-2	10	7	7	8	24.71	cps
Nickel	60-2	123	177	143	148	18.23	cps
Phosphorus	31-2	167	167	127	153	15.06	cps
Potassium	39-2	93029	93079	91925	92678	0.70	cps
Rhodium	103-1	4825594	4864456	4984991	4891680	1.70	cps
Rhodium	103-2	3051146	3019494	3081130	3050590	1.01	cps
Scandium	45-1	3137608	3143200	3197294	3159368	1.04	cps
Scandium	45-2	303373	304784	304090	304082	0.23	cps
Selenium	82-1	341	304	327	324	5.70	cps
Selenium	77-2	7	0	0	2	173.21	cps
Selenium	78-2	360	360	397	372	5.69	cps
Silicon	28-1	281115	282524	283376	282338	0.40	cps
Silver	107-1	310	293	263	289	8.19	cps
Silver	109-1	260	227	267	251	8.53	cps
Sodium	23-2	53322	52710	51820	52617	1.44	cps
Strontium	86-1	1197	1217	1180	1198	1.53	cps
Strontium	88-1	7489	7262	7042	7264	3.08	cps
Sulfur	34-1	178037	178711	177764	178171	0.27	cps
Terbium	159-1	5877257	5904991	5900391	5894213	0.25	cps
Terbium	159-2	3916281	3977644	3951676	3948534	0.78	cps
Thallium	203-1	403	433	343	393	11.65	cps
Thallium	205-1	950	980	967	966	1.56	cps
Tin	118-1	1413	1433	1763	1537	12.79	cps
Titanium	47-1	290	293	320	301	5.46	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164339BL	Instrumnet Name :	P7
Client Sample ID :	PBW339	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:01:21	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	220	253	263	246	9.24	cps
Vanadium	51-2	50	40	47	46	11.18	cps
Yttrium	89-1	8964388	8883270	9116127	8987928	1.32	cps
Yttrium	89-2	2414701	2368045	2428509	2403752	1.32	cps
Zinc	66-2	640	553	657	617	9.00	cps
Zirconium	90-1	1497	1283	1180	1320	12.23	cps
Zirconium	91-1	293	263	260	272	6.74	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164339BS	Instrumnet Name :	P7
Client Sample ID :	LCS339	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:04:37	DataFile Name :	020LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6098	6195	6205	6166	0.96	cps
Antimony	121-1	22561	23282	23072	22972	1.61	cps
Arsenic	75-2	803	837	773	804	3.94	cps
Barium	135-1	25573	25613	25954	25713	0.81	cps
Barium	137-1	43991	45135	44536	44554	1.28	cps
Beryllium	9-1	1353	1463	1183	1333	10.58	cps
Bismuth	209-1	3405010	3348505	3439100	3397538	1.35	cps
Bismuth	209-2	2744312	2778298	2751346	2757985	0.65	cps
Bromine	81-1	6525	6425	6265	6405	2.05	cps
Bromine	81-2	47	70	60	59	19.88	cps
Cadmium	108-1	253	200	240	231	12.01	cps
Cadmium	106-1	1697	1710	1800	1736	3.24	cps
Cadmium	111-1	4237	4221	4483	4314	3.40	cps
Calcium	43-1	16065	16259	16272	16199	0.71	cps
Calcium	44-1	275421	281975	282082	279826	1.36	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	13556	12912	13276	13248	2.44	cps
Cobalt	59-2	8539	8619	8783	8647	1.44	cps
Copper	63-2	14374	14414	14327	14371	0.30	cps
Dysprosium	156-1	320	230	290	280	16.37	cps
Dysprosium	156-2	113	87	107	102	13.58	cps
Erbium	164-1	50	70	60	60	16.67	cps
Erbium	164-2	27	17	20	21	24.12	cps
Gadolinium	160-1	7	33	20	20	66.65	cps
Gadolinium	160-2	133	127	153	138	10.07	cps
Holmium	165-1	5705880	5774030	5643277	5707729	1.15	cps
Holmium	165-2	3932258	3968040	3929723	3943340	0.54	cps
Indium	115-1	5124024	5105035	5048619	5092559	0.77	cps
Indium	115-2	1804460	1782622	1787041	1791374	0.64	cps
Iron	56-2	1010219	1004836	1010112	1008389	0.31	cps
Iron	57-2	27903	28457	27829	28063	1.22	cps
Iron	54-2	56740	57794	57513	57349	0.95	cps
Krypton	83-1	230	233	207	223	6.51	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164339BS	Instrumnet Name :	P7
Client Sample ID :	LCS339	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:04:37	DataFile Name :	020LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6778	7242	7312	7111	4.08	cps
Lead	207-1	6348	6208	6165	6240	1.54	cps
Lead	208-1	28225	28388	28068	28227	0.57	cps
Lithium	6-1	430210	431388	435859	432486	0.69	cps
Magnesium	24-2	254166	254755	252816	253913	0.39	cps
Manganese	55-2	4831	4994	5074	4966	2.50	cps
Molybdenum	94-1	24544	25723	25078	25115	2.35	cps
Molybdenum	95-1	29373	30295	30058	29908	1.60	cps
Molybdenum	96-1	32342	33318	33445	33035	1.83	cps
Molybdenum	97-1	18585	18772	18428	18595	0.93	cps
Molybdenum	98-1	47822	48036	48032	47963	0.26	cps
Neodymium	150-1	10	7	3	7	50.03	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	2437	2467	2400	2435	1.37	cps
Phosphorus	31-2	157	153	173	161	6.65	cps
Potassium	39-2	423267	422166	425053	423496	0.34	cps
Rhodium	103-1	4944321	4958533	4940900	4947918	0.19	cps
Rhodium	103-2	2999002	3041110	3048830	3029647	0.89	cps
Scandium	45-1	3216745	3152211	3181907	3183621	1.01	cps
Scandium	45-2	303761	303573	303358	303564	0.07	cps
Selenium	82-1	1117	1275	1214	1202	6.65	cps
Selenium	77-2	137	117	73	109	29.74	cps
Selenium	78-2	643	650	700	664	4.66	cps
Silicon	28-1	332443	331402	333443	332430	0.31	cps
Silver	107-1	12866	13270	13683	13273	3.08	cps
Silver	109-1	12556	12812	13109	12826	2.16	cps
Sodium	23-2	458393	456449	454911	456584	0.38	cps
Strontium	86-1	4984	4641	4951	4859	3.90	cps
Strontium	88-1	38801	39861	40599	39754	2.27	cps
Sulfur	34-1	178805	177392	175603	177267	0.91	cps
Terbium	159-1	5882308	5832418	5847364	5854030	0.44	cps
Terbium	159-2	3865339	3947939	3923003	3912094	1.08	cps
Thallium	203-1	8393	8236	8299	8309	0.95	cps
Thallium	205-1	19137	19644	19688	19490	1.57	cps
Tin	118-1	1507	1547	1547	1533	1.51	cps
Titanium	47-1	8009	8326	8486	8273	2.93	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164339BS	Instrumnet Name :	P7
Client Sample ID :	LCS339	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:04:37	DataFile Name :	020LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	22709	23765	22713	23062	2.64	cps
Vanadium	51-2	24967	25625	24710	25101	1.88	cps
Yttrium	89-1	9106297	9061238	8991303	9052946	0.64	cps
Yttrium	89-2	2382814	2384233	2419771	2395606	0.87	cps
Zinc	66-2	5628	5621	5594	5614	0.31	cps
Zirconium	90-1	22023	22187	21923	22044	0.60	cps
Zirconium	91-1	4527	4808	4954	4763	4.55	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-01	Instrumnet Name :	P7
Client Sample ID :	MYD0L6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:07:56	DataFile Name :	021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14817	14917	14724	14819	0.65	cps
Antimony	121-1	383	447	437	422	8.06	cps
Arsenic	75-2	10	23	7	13	66.12	cps
Barium	135-1	247	377	320	314	20.73	cps
Barium	137-1	557	560	450	522	11.98	cps
Beryllium	9-1	43	37	37	39	9.89	cps
Bismuth	209-1	2965366	3002193	3136410	3034656	2.97	cps
Bismuth	209-2	2593230	2548889	2622624	2588248	1.43	cps
Bromine	81-1	6248	6285	6005	6179	2.46	cps
Bromine	81-2	127	143	110	127	13.16	cps
Cadmium	108-1	20	3	13	12	68.66	cps
Cadmium	106-1	1273	1270	1257	1267	0.70	cps
Cadmium	111-1	944	957	924	941	1.77	cps
Calcium	43-1	1257	1360	1270	1296	4.34	cps
Calcium	44-1	31499	32629	32037	32055	1.76	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1200	1253	1340	1265	5.59	cps
Cobalt	59-2	213	203	213	210	2.75	cps
Copper	63-2	4367	4631	4454	4484	2.99	cps
Dysprosium	156-1	277	267	293	279	4.83	cps
Dysprosium	156-2	87	27	87	67	51.96	cps
Erbium	164-1	23	53	23	33	51.97	cps
Erbium	164-2	30	13	40	28	48.51	cps
Gadolinium	160-1	30	23	30	28	13.86	cps
Gadolinium	160-2	157	157	180	164	8.19	cps
Holmium	165-1	5052381	5173736	5257880	5161333	2.00	cps
Holmium	165-2	3715722	3685469	3691264	3697485	0.43	cps
Indium	115-1	4504718	4593671	4716295	4604895	2.31	cps
Indium	115-2	1677000	1642044	1689844	1669629	1.48	cps
Iron	56-2	43924	47558	46722	46068	4.13	cps
Iron	57-2	3721	3677	3700	3699	0.59	cps
Iron	54-2	4111	3994	4074	4060	1.47	cps
Krypton	83-1	260	260	240	253	4.56	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-01	Instrumnet Name :	P7
Client Sample ID :	MYD0L6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:07:56	DataFile Name :	021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	790	747	783	773	3.02	cps
Lead	207-1	660	710	660	677	4.27	cps
Lead	208-1	3070	3250	3087	3136	3.17	cps
Lithium	6-1	399534	421182	419830	413515	2.93	cps
Magnesium	24-2	10067	10354	10163	10195	1.43	cps
Manganese	55-2	2130	2010	2070	2070	2.90	cps
Molybdenum	94-1	3310	1920	1403	2211	44.60	cps
Molybdenum	95-1	613	657	667	646	4.39	cps
Molybdenum	96-1	1103	940	843	962	13.66	cps
Molybdenum	97-1	413	413	357	394	8.29	cps
Molybdenum	98-1	1030	1037	933	1000	5.78	cps
Neodymium	150-1	0	27	13	13	100.01	cps
Neodymium	150-2	7	10	3	7	50.03	cps
Nickel	60-2	210	250	283	248	14.82	cps
Phosphorus	31-2	217	220	223	220	1.52	cps
Potassium	39-2	85814	86031	86933	86259	0.69	cps
Rhodium	103-1	4384390	4526013	4498485	4469630	1.68	cps
Rhodium	103-2	2803498	2823201	2826254	2817651	0.44	cps
Scandium	45-1	2827296	2954852	2906265	2896138	2.22	cps
Scandium	45-2	279812	279737	280803	280117	0.21	cps
Selenium	82-1	287	260	296	281	6.69	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	420	373	353	382	8.95	cps
Silicon	28-1	301125	307170	310588	306294	1.56	cps
Silver	107-1	353	1132	223	570	86.29	cps
Silver	109-1	323	220	243	262	20.67	cps
Sodium	23-2	57815	57691	56747	57418	1.02	cps
Strontium	86-1	1177	1180	1097	1151	4.10	cps
Strontium	88-1	6491	6892	6005	6463	6.87	cps
Sulfur	34-1	171992	167725	167543	169087	1.49	cps
Terbium	159-1	5183766	5278440	5468125	5310110	2.73	cps
Terbium	159-2	3694938	3736736	3707875	3713183	0.58	cps
Thallium	203-1	357	277	307	313	12.90	cps
Thallium	205-1	817	697	583	699	16.70	cps
Tin	118-1	2777	2880	2960	2873	3.20	cps
Titanium	47-1	347	287	300	311	10.13	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-01	Instrumnet Name :	P7
Client Sample ID :	MYD0L6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:07:56	DataFile Name :	021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	223	260	280	254	11.29	cps
Vanadium	51-2	50	103	80	78	34.37	cps
Yttrium	89-1	8064713	8149337	8391177	8201743	2.07	cps
Yttrium	89-2	2221327	2186604	2234727	2214219	1.12	cps
Zinc	66-2	7118	7088	7112	7106	0.22	cps
Zirconium	90-1	8016	4201	3217	5144	49.27	cps
Zirconium	91-1	1793	943	783	1173	46.27	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-02	Instrumnet Name :	P7
Client Sample ID :	MYD0Y6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:11:12	DataFile Name :	022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	887	793	950	877	8.99	cps
Antimony	121-1	257	240	313	270	14.24	cps
Arsenic	75-2	10	13	17	13	25.01	cps
Barium	135-1	473	547	537	519	7.66	cps
Barium	137-1	923	907	833	888	5.39	cps
Beryllium	9-1	23	43	23	30	38.49	cps
Bismuth	209-1	2969771	3096472	3098116	3054786	2.41	cps
Bismuth	209-2	2613030	2427512	2496261	2512267	3.73	cps
Bromine	81-1	6038	6101	6161	6100	1.01	cps
Bromine	81-2	123	103	113	113	8.83	cps
Cadmium	108-1	20	7	13	13	49.99	cps
Cadmium	106-1	1147	1253	1227	1209	4.59	cps
Cadmium	111-1	809	906	886	867	5.93	cps
Calcium	43-1	1333	1400	1243	1326	5.93	cps
Calcium	44-1	31613	32258	32799	32223	1.84	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1080	1053	1080	1071	1.44	cps
Cobalt	59-2	163	223	183	190	16.08	cps
Copper	63-2	2847	2914	3097	2953	4.39	cps
Dysprosium	156-1	227	287	293	269	13.66	cps
Dysprosium	156-2	77	73	67	72	7.05	cps
Erbium	164-1	43	20	27	30	40.05	cps
Erbium	164-2	23	20	20	21	9.11	cps
Gadolinium	160-1	27	27	27	27	0.00	cps
Gadolinium	160-2	107	113	140	120	14.70	cps
Holmium	165-1	5020279	5252009	5163023	5145104	2.27	cps
Holmium	165-2	3779754	3542077	3537082	3619638	3.83	cps
Indium	115-1	4458787	4637227	4726271	4607428	2.96	cps
Indium	115-2	1711659	1572609	1598372	1627546	4.55	cps
Iron	56-2	26450	25876	25986	26104	1.17	cps
Iron	57-2	3104	3054	3257	3138	3.38	cps
Iron	54-2	2874	2914	2847	2878	1.17	cps
Krypton	83-1	263	207	250	240	12.35	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-02	Instrumnet Name :	P7
Client Sample ID :	MYD0Y6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:11:12	DataFile Name :	022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	537	623	633	598	8.89	cps
Lead	207-1	493	543	523	520	4.84	cps
Lead	208-1	2197	2293	2390	2293	4.22	cps
Lithium	6-1	407770	421970	437375	422372	3.51	cps
Magnesium	24-2	3727	3607	3847	3727	3.22	cps
Manganese	55-2	1337	1320	1280	1312	2.22	cps
Molybdenum	94-1	970	1037	1030	1012	3.63	cps
Molybdenum	95-1	533	620	650	601	10.08	cps
Molybdenum	96-1	647	673	687	669	3.04	cps
Molybdenum	97-1	353	317	353	341	6.21	cps
Molybdenum	98-1	877	750	863	830	8.39	cps
Neodymium	150-1	3	7	10	7	50.03	cps
Neodymium	150-2	0	10	0	3	173.21	cps
Nickel	60-2	173	223	237	211	15.81	cps
Phosphorus	31-2	220	177	227	208	13.07	cps
Potassium	39-2	84580	85592	84737	84970	0.64	cps
Rhodium	103-1	4371337	4534137	4502065	4469179	1.93	cps
Rhodium	103-2	2879433	2594379	2669419	2714410	5.44	cps
Scandium	45-1	2766574	2923250	2955427	2881750	3.51	cps
Scandium	45-2	282045	260076	265225	269115	4.27	cps
Selenium	82-1	248	309	333	297	14.79	cps
Selenium	77-2	7	0	0	2	173.21	cps
Selenium	78-2	410	423	337	390	11.97	cps
Silicon	28-1	302228	306888	312584	307233	1.69	cps
Silver	107-1	170	153	190	171	10.73	cps
Silver	109-1	133	163	170	156	12.55	cps
Sodium	23-2	56537	57892	56921	57117	1.22	cps
Strontium	86-1	1117	1167	993	1092	8.17	cps
Strontium	88-1	6171	6415	6231	6273	2.02	cps
Sulfur	34-1	172481	170375	170074	170977	0.77	cps
Terbium	159-1	5183034	5421502	5582515	5395684	3.72	cps
Terbium	159-2	3748866	3443251	3528949	3573689	4.41	cps
Thallium	203-1	267	190	217	224	17.34	cps
Thallium	205-1	533	540	603	559	6.91	cps
Tin	118-1	2867	3445	3004	3105	9.72	cps
Titanium	47-1	293	317	287	299	5.27	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-02	Instrumnet Name :	P7
Client Sample ID :	MYD0Y6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:11:12	DataFile Name :	022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	180	243	220	214	14.94	cps
Vanadium	51-2	70	33	63	56	35.16	cps
Yttrium	89-1	8029632	8398204	8411587	8279808	2.62	cps
Yttrium	89-2	2236504	2079092	2106473	2140690	3.93	cps
Zinc	66-2	2370	2430	2444	2415	1.62	cps
Zirconium	90-1	1870	1933	1930	1911	1.87	cps
Zirconium	91-1	360	373	447	393	11.86	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-03	Instrumnet Name :	P7
Client Sample ID :	MYD0Y8	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:14:30	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	807	733	760	767	4.84	cps
Antimony	121-1	217	250	217	228	8.45	cps
Arsenic	75-2	13	0	10	8	89.21	cps
Barium	135-1	233	213	230	226	4.75	cps
Barium	137-1	387	277	390	351	18.37	cps
Beryllium	9-1	30	27	27	28	6.92	cps
Bismuth	209-1	3052405	3173872	3232561	3152946	2.91	cps
Bismuth	209-2	2691491	2626311	2640731	2652844	1.29	cps
Bromine	81-1	6431	6235	6148	6271	2.32	cps
Bromine	81-2	123	107	100	110	10.93	cps
Cadmium	108-1	7	10	0	6	91.64	cps
Cadmium	106-1	1447	1320	1277	1348	6.55	cps
Cadmium	111-1	1028	950	930	970	5.32	cps
Calcium	43-1	710	557	693	653	12.88	cps
Calcium	44-1	21562	21806	22868	22079	3.14	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1090	1270	1037	1132	10.80	cps
Cobalt	59-2	167	207	187	187	10.71	cps
Copper	63-2	3257	3314	3157	3243	2.45	cps
Dysprosium	156-1	250	237	267	251	5.99	cps
Dysprosium	156-2	87	70	73	77	11.51	cps
Erbium	164-1	40	37	30	36	14.32	cps
Erbium	164-2	17	33	7	19	71.30	cps
Gadolinium	160-1	23	17	20	20	16.65	cps
Gadolinium	160-2	133	177	137	149	16.19	cps
Holmium	165-1	5057948	5317014	5296921	5223961	2.76	cps
Holmium	165-2	3849372	3752437	3742906	3781572	1.56	cps
Indium	115-1	4558271	4812076	4766316	4712221	2.87	cps
Indium	115-2	1724094	1717979	1713567	1718547	0.31	cps
Iron	56-2	33434	34206	34256	33965	1.36	cps
Iron	57-2	3357	3397	3187	3314	3.37	cps
Iron	54-2	3260	3390	3457	3369	2.97	cps
Krypton	83-1	217	283	233	244	14.19	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-03	Instrumnet Name :	P7
Client Sample ID :	MYD0Y8	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:14:30	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	613	647	683	648	5.40	cps
Lead	207-1	487	547	583	539	9.06	cps
Lead	208-1	2323	2447	2657	2476	6.81	cps
Lithium	6-1	419826	435844	445030	433567	2.94	cps
Magnesium	24-2	3124	3394	3370	3296	4.54	cps
Manganese	55-2	1113	983	1023	1040	6.40	cps
Molybdenum	94-1	827	777	880	828	6.24	cps
Molybdenum	95-1	513	467	537	506	7.05	cps
Molybdenum	96-1	610	657	617	628	4.02	cps
Molybdenum	97-1	297	377	320	331	12.43	cps
Molybdenum	98-1	730	673	817	740	9.76	cps
Neodymium	150-1	13	7	13	11	34.61	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	367	317	373	352	8.79	cps
Phosphorus	31-2	260	213	180	218	18.45	cps
Potassium	39-2	85877	86145	84858	85627	0.79	cps
Rhodium	103-1	4471659	4696481	4673444	4613861	2.68	cps
Rhodium	103-2	2903206	2866713	2908593	2892837	0.79	cps
Scandium	45-1	2873178	2944369	2982487	2933345	1.89	cps
Scandium	45-2	285523	289204	289075	287934	0.73	cps
Selenium	82-1	320	270	332	307	10.78	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	307	290	340	312	8.15	cps
Silicon	28-1	302937	305976	310635	306516	1.26	cps
Silver	107-1	193	187	167	182	7.62	cps
Silver	109-1	123	127	103	118	10.72	cps
Sodium	23-2	50961	51713	50506	51060	1.19	cps
Strontium	86-1	983	913	887	928	5.38	cps
Strontium	88-1	4711	4891	4818	4806	1.88	cps
Sulfur	34-1	176995	174639	174952	175528	0.73	cps
Terbium	159-1	5370635	5563982	5600672	5511763	2.24	cps
Terbium	159-2	3768638	3816068	3849548	3811418	1.07	cps
Thallium	203-1	270	247	230	249	8.07	cps
Thallium	205-1	607	517	493	539	11.11	cps
Tin	118-1	2230	2310	2217	2252	2.24	cps
Titanium	47-1	257	280	333	290	13.55	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-03	Instrumnet Name :	P7
Client Sample ID :	MYD0Y8	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:14:30	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	193	203	193	197	2.94	cps
Vanadium	51-2	30	40	43	38	18.36	cps
Yttrium	89-1	8160585	8544123	8438046	8380918	2.36	cps
Yttrium	89-2	2235982	2249497	2309455	2264978	1.73	cps
Zinc	66-2	1293	1330	1330	1318	1.61	cps
Zirconium	90-1	1260	1277	1270	1269	0.66	cps
Zirconium	91-1	280	303	253	279	8.97	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-04	Instrumnet Name :	P7
Client Sample ID :	MYD035	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:17:46	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	813	713	827	784	7.90	cps
Antimony	121-1	160	200	177	179	11.23	cps
Arsenic	75-2	7	13	10	10	33.30	cps
Barium	135-1	180	257	293	243	23.77	cps
Barium	137-1	387	370	480	412	14.38	cps
Beryllium	9-1	30	37	37	34	11.18	cps
Bismuth	209-1	3098990	3200906	3035430	3111776	2.68	cps
Bismuth	209-2	2578669	2656534	2686788	2640664	2.11	cps
Bromine	81-1	6455	6548	6602	6535	1.14	cps
Bromine	81-2	163	117	83	121	33.18	cps
Cadmium	108-1	20	10	3	11	75.52	cps
Cadmium	106-1	1307	1430	1230	1322	7.63	cps
Cadmium	111-1	911	1034	872	939	9.01	cps
Calcium	43-1	640	573	723	646	11.64	cps
Calcium	44-1	21739	22060	22193	21997	1.06	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1030	1123	1030	1061	5.08	cps
Cobalt	59-2	190	150	183	174	12.29	cps
Copper	63-2	2520	2297	2370	2396	4.75	cps
Dysprosium	156-1	250	257	250	252	1.52	cps
Dysprosium	156-2	47	40	97	61	50.68	cps
Erbium	164-1	30	33	20	28	24.98	cps
Erbium	164-2	20	13	20	18	21.66	cps
Gadolinium	160-1	30	10	37	26	54.31	cps
Gadolinium	160-2	120	130	153	134	12.73	cps
Holmium	165-1	5136544	5430305	5175395	5247415	3.04	cps
Holmium	165-2	3784253	3867597	3799999	3817283	1.16	cps
Indium	115-1	4764666	4829957	4627929	4740851	2.17	cps
Indium	115-2	1719397	1697210	1722364	1712990	0.80	cps
Iron	56-2	25358	24587	25331	25092	1.74	cps
Iron	57-2	2900	3114	3097	3037	3.91	cps
Iron	54-2	2720	2910	2720	2784	3.94	cps
Krypton	83-1	253	210	210	224	11.15	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-04	Instrumnet Name :	P7
Client Sample ID :	MYD035	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:17:46	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	550	543	523	539	2.58	cps
Lead	207-1	433	417	460	437	5.01	cps
Lead	208-1	1883	2037	2007	1976	4.11	cps
Lithium	6-1	428330	451938	435493	438587	2.76	cps
Magnesium	24-2	2367	2380	2440	2396	1.63	cps
Manganese	55-2	1453	1357	1383	1398	3.57	cps
Molybdenum	94-1	663	663	723	683	5.07	cps
Molybdenum	95-1	483	507	540	510	5.58	cps
Molybdenum	96-1	550	590	630	590	6.78	cps
Molybdenum	97-1	297	253	310	287	10.34	cps
Molybdenum	98-1	603	717	690	670	8.84	cps
Neodymium	150-1	10	7	10	9	21.63	cps
Neodymium	150-2	7	7	3	6	34.70	cps
Nickel	60-2	230	250	257	246	5.65	cps
Phosphorus	31-2	233	223	207	221	6.09	cps
Potassium	39-2	84912	85662	85130	85235	0.45	cps
Rhodium	103-1	4562595	4776802	4501749	4613715	3.13	cps
Rhodium	103-2	2936875	2940191	2935840	2937635	0.08	cps
Scandium	45-1	2854750	3030514	2913426	2932897	3.05	cps
Scandium	45-2	290115	287506	286341	287987	0.67	cps
Selenium	82-1	265	331	344	313	13.50	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	350	393	377	373	5.85	cps
Silicon	28-1	301765	305830	307007	304868	0.90	cps
Silver	107-1	110	160	153	141	19.24	cps
Silver	109-1	87	140	90	106	28.30	cps
Sodium	23-2	52158	51837	52803	52266	0.94	cps
Strontium	86-1	847	737	897	827	9.90	cps
Strontium	88-1	4364	4154	4617	4378	5.30	cps
Sulfur	34-1	183025	176954	177720	179233	1.84	cps
Terbium	159-1	5404077	5561653	5327373	5431034	2.20	cps
Terbium	159-2	3842938	3766497	3810210	3806548	1.01	cps
Thallium	203-1	233	227	220	227	2.94	cps
Thallium	205-1	453	540	483	492	8.94	cps
Tin	118-1	2467	2684	3844	2998	24.70	cps
Titanium	47-1	297	233	277	269	12.04	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-04	Instrumnet Name :	P7
Client Sample ID :	MYD035	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:17:46	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	147	197	150	164	17.00	cps
Vanadium	51-2	23	50	47	40	36.33	cps
Yttrium	89-1	8324551	8609868	8196319	8376913	2.53	cps
Yttrium	89-2	2305608	2312569	2272711	2296963	0.93	cps
Zinc	66-2	1010	933	1067	1003	6.67	cps
Zirconium	90-1	1137	1010	1037	1061	6.29	cps
Zirconium	91-1	193	170	233	199	16.11	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-05	Instrumnet Name :	P7
Client Sample ID :	MYD036	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:21:05	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	910	870	833	871	4.40	cps
Antimony	121-1	117	147	197	153	26.36	cps
Arsenic	75-2	10	23	0	11	105.35	cps
Barium	135-1	283	267	277	276	3.04	cps
Barium	137-1	390	427	430	416	5.34	cps
Beryllium	9-1	30	30	27	29	6.65	cps
Bismuth	209-1	3029769	3078553	3142633	3083652	1.84	cps
Bismuth	209-2	2580605	2604527	2663749	2616293	1.64	cps
Bromine	81-1	6428	6481	6455	6455	0.41	cps
Bromine	81-2	160	110	150	140	18.90	cps
Cadmium	108-1	13	10	7	10	33.30	cps
Cadmium	106-1	1240	1357	1237	1278	5.35	cps
Cadmium	111-1	882	959	891	911	4.64	cps
Calcium	43-1	1557	1710	1830	1699	8.06	cps
Calcium	44-1	37867	38338	39532	38579	2.22	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1173	990	1193	1119	10.02	cps
Cobalt	59-2	180	193	180	184	4.18	cps
Copper	63-2	2774	2434	2427	2545	7.79	cps
Dysprosium	156-1	280	270	230	260	10.18	cps
Dysprosium	156-2	63	47	43	51	20.96	cps
Erbium	164-1	70	50	53	58	18.55	cps
Erbium	164-2	40	33	27	33	20.00	cps
Gadolinium	160-1	20	40	20	27	43.30	cps
Gadolinium	160-2	153	157	173	161	6.65	cps
Holmium	165-1	5046090	5347572	5309427	5234363	3.14	cps
Holmium	165-2	3687585	3714521	3796968	3733025	1.53	cps
Indium	115-1	4475727	4706859	4687978	4623522	2.78	cps
Indium	115-2	1701123	1682808	1707649	1697193	0.76	cps
Iron	56-2	25655	24837	25038	25177	1.69	cps
Iron	57-2	3207	3217	3177	3200	0.65	cps
Iron	54-2	3050	2970	2764	2928	5.05	cps
Krypton	83-1	260	243	210	238	10.71	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-05	Instrumnet Name :	P7
Client Sample ID :	MYD036	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:21:05	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	490	537	453	493	8.47	cps
Lead	207-1	400	413	503	439	12.81	cps
Lead	208-1	1960	2023	2120	2035	3.96	cps
Lithium	6-1	423998	434586	435931	431505	1.51	cps
Magnesium	24-2	2327	2224	2190	2247	3.17	cps
Manganese	55-2	1007	920	977	968	4.55	cps
Molybdenum	94-1	657	880	680	739	16.62	cps
Molybdenum	95-1	457	463	487	469	3.36	cps
Molybdenum	96-1	667	517	510	564	15.70	cps
Molybdenum	97-1	297	257	300	284	8.48	cps
Molybdenum	98-1	780	767	730	759	3.41	cps
Neodymium	150-1	10	23	13	16	44.60	cps
Neodymium	150-2	7	7	7	7	0.00	cps
Nickel	60-2	247	277	193	239	17.67	cps
Phosphorus	31-2	210	180	187	192	8.19	cps
Potassium	39-2	83363	83252	83072	83229	0.18	cps
Rhodium	103-1	4439341	4569841	4538856	4516013	1.51	cps
Rhodium	103-2	2795234	2862554	2835939	2831242	1.20	cps
Scandium	45-1	2815707	2987420	2926151	2909759	2.99	cps
Scandium	45-2	283775	282056	284684	283505	0.47	cps
Selenium	82-1	313	265	305	294	8.65	cps
Selenium	77-2	0	0	10	3	173.21	cps
Selenium	78-2	327	353	397	359	9.84	cps
Silicon	28-1	303427	308533	312011	307991	1.40	cps
Silver	107-1	93	130	127	117	17.38	cps
Silver	109-1	87	67	133	96	35.80	cps
Sodium	23-2	50817	51044	51101	50987	0.30	cps
Strontium	86-1	837	977	983	932	8.88	cps
Strontium	88-1	5074	4958	4851	4961	2.25	cps
Sulfur	34-1	177268	176206	174089	175854	0.92	cps
Terbium	159-1	5238858	5400303	5544717	5394626	2.84	cps
Terbium	159-2	3726709	3729525	3752227	3736154	0.37	cps
Thallium	203-1	203	173	207	194	9.44	cps
Thallium	205-1	513	463	503	493	5.36	cps
Tin	118-1	2484	2587	2667	2579	3.56	cps
Titanium	47-1	263	293	273	277	5.52	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-05	Instrumnet Name :	P7
Client Sample ID :	MYD036	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:21:05	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	163	143	183	163	12.24	cps
Vanadium	51-2	57	77	43	59	28.49	cps
Yttrium	89-1	8001576	8387542	8416706	8268608	2.80	cps
Yttrium	89-2	2244867	2237205	2267543	2249872	0.70	cps
Zinc	66-2	9053	9280	9166	9166	1.24	cps
Zirconium	90-1	1113	1147	1133	1131	1.48	cps
Zirconium	91-1	303	230	330	288	18.00	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-06	Instrumnet Name :	P7
Client Sample ID :	MYD038	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:24:22	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	587	673	663	641	7.40	cps
Antimony	121-1	123	87	110	107	17.40	cps
Arsenic	75-2	13	3	7	8	65.47	cps
Barium	135-1	250	223	247	240	6.05	cps
Barium	137-1	407	453	380	413	8.98	cps
Beryllium	9-1	23	23	23	23	0.00	cps
Bismuth	209-1	3087606	3150042	3158408	3132019	1.24	cps
Bismuth	209-2	2585978	2636506	2640502	2620995	1.16	cps
Bromine	81-1	6185	6141	6255	6194	0.92	cps
Bromine	81-2	180	120	143	148	20.47	cps
Cadmium	108-1	3	17	13	11	62.48	cps
Cadmium	106-1	1363	1217	1367	1316	6.51	cps
Cadmium	111-1	965	850	954	923	6.89	cps
Calcium	43-1	650	583	573	602	6.92	cps
Calcium	44-1	20901	21035	21222	21053	0.76	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1117	1007	1083	1069	5.28	cps
Cobalt	59-2	103	193	123	140	33.76	cps
Copper	63-2	2327	2424	2254	2335	3.65	cps
Dysprosium	156-1	217	227	187	210	9.91	cps
Dysprosium	156-2	67	50	63	60	14.70	cps
Erbium	164-1	47	50	33	43	20.36	cps
Erbium	164-2	20	27	33	27	24.99	cps
Gadolinium	160-1	23	40	13	26	52.73	cps
Gadolinium	160-2	173	117	140	143	19.87	cps
Holmium	165-1	5138775	5304585	5319759	5254373	1.91	cps
Holmium	165-2	3739646	3798989	3756097	3764911	0.81	cps
Indium	115-1	4498653	4691647	4810738	4667013	3.37	cps
Indium	115-2	1728524	1667490	1683830	1693281	1.87	cps
Iron	56-2	22260	21726	22113	22033	1.25	cps
Iron	57-2	2957	3277	3157	3130	5.17	cps
Iron	54-2	2604	2637	2630	2624	0.67	cps
Krypton	83-1	290	240	263	264	9.46	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-06	Instrumnet Name :	P7
Client Sample ID :	MYD038	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:24:22	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	533	490	443	489	9.21	cps
Lead	207-1	457	407	453	439	6.37	cps
Lead	208-1	1950	1757	2003	1903	6.82	cps
Lithium	6-1	413671	429926	430480	424692	2.25	cps
Magnesium	24-2	1070	987	920	992	7.58	cps
Manganese	55-2	2624	2540	2534	2566	1.95	cps
Molybdenum	94-1	337	280	363	327	13.03	cps
Molybdenum	95-1	210	177	133	173	22.18	cps
Molybdenum	96-1	183	167	233	194	17.84	cps
Molybdenum	97-1	90	113	63	89	28.15	cps
Molybdenum	98-1	227	163	163	184	19.82	cps
Neodymium	150-1	40	7	3	17	121.66	cps
Neodymium	150-2	7	17	7	10	57.72	cps
Nickel	60-2	337	263	313	304	12.31	cps
Phosphorus	31-2	200	133	203	179	22.07	cps
Potassium	39-2	85153	83186	84298	84212	1.17	cps
Rhodium	103-1	4489520	4664110	4618388	4590673	1.97	cps
Rhodium	103-2	2876064	2869765	2858642	2868157	0.31	cps
Scandium	45-1	2872436	2962882	2999963	2945094	2.23	cps
Scandium	45-2	286326	286602	285904	286277	0.12	cps
Selenium	82-1	253	258	284	265	6.21	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	300	333	390	341	13.34	cps
Silicon	28-1	298054	299817	303817	300563	0.98	cps
Silver	107-1	70	57	67	64	10.76	cps
Silver	109-1	57	43	20	40	46.40	cps
Sodium	23-2	48108	47459	48560	48042	1.15	cps
Strontium	86-1	543	523	450	506	9.72	cps
Strontium	88-1	1170	1017	1013	1067	8.39	cps
Sulfur	34-1	173159	171814	172535	172503	0.39	cps
Terbium	159-1	5236980	5541036	5544078	5440698	3.24	cps
Terbium	159-2	3689568	3799563	3676386	3721839	1.82	cps
Thallium	203-1	147	137	120	134	10.02	cps
Thallium	205-1	320	313	330	321	2.61	cps
Tin	118-1	1987	2057	1987	2010	2.01	cps
Titanium	47-1	187	183	197	189	3.67	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-06	Instrumnet Name :	P7
Client Sample ID :	MYD038	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:24:22	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	30	23	27	27	12.51	cps
Vanadium	51-2	13	23	27	21	32.88	cps
Yttrium	89-1	8289779	8360513	8587959	8412750	1.85	cps
Yttrium	89-2	2257207	2250928	2247524	2251886	0.22	cps
Zinc	66-2	927	1030	950	969	5.59	cps
Zirconium	90-1	650	637	690	659	4.21	cps
Zirconium	91-1	163	160	150	158	4.40	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-07	Instrumnet Name :	P7
Client Sample ID :	MYDD00	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:27:41	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2917	2797	2797	2837	2.44	cps
Antimony	121-1	93	57	80	77	24.20	cps
Arsenic	75-2	10	7	13	10	33.30	cps
Barium	135-1	70	117	110	99	25.52	cps
Barium	137-1	180	220	217	206	10.80	cps
Beryllium	9-1	20	13	23	19	26.96	cps
Bismuth	209-1	2996512	3095098	3110728	3067446	2.02	cps
Bismuth	209-2	2553472	2600391	2617122	2590328	1.27	cps
Bromine	81-1	5775	5888	5791	5818	1.05	cps
Bromine	81-2	83	80	93	86	8.11	cps
Cadmium	108-1	3	13	7	8	65.47	cps
Cadmium	106-1	1310	1183	1280	1258	5.26	cps
Cadmium	111-1	931	826	898	885	6.10	cps
Calcium	43-1	810	647	710	722	11.40	cps
Calcium	44-1	22500	23181	23592	23091	2.39	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1113	1067	1320	1167	11.56	cps
Cobalt	59-2	93	137	127	119	19.09	cps
Copper	63-2	1840	2000	1907	1916	4.20	cps
Dysprosium	156-1	210	183	203	199	6.98	cps
Dysprosium	156-2	70	33	63	56	35.16	cps
Erbium	164-1	53	53	23	43	39.97	cps
Erbium	164-2	17	33	33	28	34.63	cps
Gadolinium	160-1	27	23	23	24	7.89	cps
Gadolinium	160-2	107	103	110	107	3.13	cps
Holmium	165-1	5029544	5213654	5255974	5166391	2.33	cps
Holmium	165-2	3635428	3678206	3760120	3691251	1.72	cps
Indium	115-1	4476691	4697443	4690015	4621383	2.71	cps
Indium	115-2	1665397	1656163	1698303	1673288	1.32	cps
Iron	56-2	19363	19066	19272	19234	0.79	cps
Iron	57-2	2934	3120	3117	3057	3.50	cps
Iron	54-2	2504	2530	2437	2490	1.93	cps
Krypton	83-1	290	230	177	232	24.42	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-07	Instrumnet Name :	P7
Client Sample ID :	MYDD00	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:27:41	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	347	343	370	353	4.11	cps
Lead	207-1	347	327	353	342	4.06	cps
Lead	208-1	1480	1473	1607	1520	4.94	cps
Lithium	6-1	403716	414589	414988	411098	1.56	cps
Magnesium	24-2	930	1070	1100	1033	8.78	cps
Manganese	55-2	933	933	987	951	3.24	cps
Molybdenum	94-1	327	430	430	396	15.08	cps
Molybdenum	95-1	157	167	153	159	4.37	cps
Molybdenum	96-1	223	247	263	244	8.22	cps
Molybdenum	97-1	100	123	100	108	12.50	cps
Molybdenum	98-1	207	203	143	184	19.32	cps
Neodymium	150-1	23	10	23	19	40.75	cps
Neodymium	150-2	7	0	13	7	99.98	cps
Nickel	60-2	197	183	190	190	3.51	cps
Phosphorus	31-2	223	223	207	218	4.42	cps
Potassium	39-2	80662	82170	82076	81636	1.04	cps
Rhodium	103-1	4335071	4559858	4620283	4505071	3.34	cps
Rhodium	103-2	2783707	2794164	2834711	2804194	0.96	cps
Scandium	45-1	2800151	2961565	2939787	2900501	3.02	cps
Scandium	45-2	280681	281713	283761	282052	0.56	cps
Selenium	82-1	212	340	336	296	24.49	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	420	347	350	372	11.12	cps
Silicon	28-1	300426	304497	307923	304282	1.23	cps
Silver	107-1	50	63	57	57	11.76	cps
Silver	109-1	33	33	43	37	15.75	cps
Sodium	23-2	51165	51245	51242	51217	0.09	cps
Strontium	86-1	517	493	480	497	3.74	cps
Strontium	88-1	1027	983	910	973	6.06	cps
Sulfur	34-1	171918	170054	169077	170350	0.85	cps
Terbium	159-1	5212232	5437875	5442945	5364351	2.46	cps
Terbium	159-2	3684479	3630195	3688667	3667780	0.89	cps
Thallium	203-1	127	120	103	117	10.30	cps
Thallium	205-1	307	260	233	267	13.92	cps
Tin	118-1	2020	2194	2317	2177	6.85	cps
Titanium	47-1	230	177	163	190	18.56	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-07	Instrumnet Name :	P7
Client Sample ID :	MYDD00	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:27:41	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	30	30	37	32	11.95	cps
Vanadium	51-2	30	33	27	30	11.10	cps
Yttrium	89-1	7922201	8324111	8301924	8182745	2.76	cps
Yttrium	89-2	2226592	2219159	2207079	2217610	0.44	cps
Zinc	66-2	5174	4851	4741	4922	4.58	cps
Zirconium	90-1	847	893	823	854	4.17	cps
Zirconium	91-1	190	187	223	200	10.14	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-08	Instrumnet Name :	P7
Client Sample ID :	MYDD01	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:30:57	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	587	553	530	557	5.12	cps
Antimony	121-1	73	90	83	82	10.20	cps
Arsenic	75-2	7	7	7	7	0.00	cps
Barium	135-1	140	147	120	136	10.24	cps
Barium	137-1	270	303	267	280	7.24	cps
Beryllium	9-1	27	37	30	31	16.37	cps
Bismuth	209-1	2973140	3145005	3200095	3106080	3.81	cps
Bismuth	209-2	2528398	2615568	2596594	2580187	1.78	cps
Bromine	81-1	6095	6208	6038	6114	1.42	cps
Bromine	81-2	87	57	97	80	26.02	cps
Cadmium	108-1	10	10	13	11	17.30	cps
Cadmium	106-1	1290	1387	1113	1263	10.97	cps
Cadmium	111-1	909	974	787	890	10.68	cps
Calcium	43-1	657	680	707	681	3.67	cps
Calcium	44-1	22437	23115	23629	23060	2.59	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1150	1173	1193	1172	1.85	cps
Cobalt	59-2	187	137	133	152	19.63	cps
Copper	63-2	1940	1987	2013	1980	1.87	cps
Dysprosium	156-1	247	260	183	230	17.81	cps
Dysprosium	156-2	70	47	43	53	27.24	cps
Erbium	164-1	40	33	30	34	14.78	cps
Erbium	164-2	13	37	27	26	45.82	cps
Gadolinium	160-1	40	27	17	28	42.13	cps
Gadolinium	160-2	113	177	133	141	22.94	cps
Holmium	165-1	5058977	5375423	5438674	5291025	3.84	cps
Holmium	165-2	3701749	3747690	3799523	3749654	1.30	cps
Indium	115-1	4517767	4721591	4832376	4690578	3.40	cps
Indium	115-2	1715019	1688873	1702230	1702041	0.77	cps
Iron	56-2	18184	18531	18224	18313	1.04	cps
Iron	57-2	2924	3037	3097	3019	2.92	cps
Iron	54-2	2447	2460	2364	2424	2.16	cps
Krypton	83-1	223	220	220	221	0.87	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-08	Instrumnet Name :	P7
Client Sample ID :	MYDD01	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:30:57	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	327	360	393	360	9.26	cps
Lead	207-1	287	277	267	277	3.61	cps
Lead	208-1	1437	1357	1437	1410	3.28	cps
Lithium	6-1	396824	422333	421824	413660	3.53	cps
Magnesium	24-2	1190	1277	1483	1317	11.45	cps
Manganese	55-2	720	677	703	700	3.12	cps
Molybdenum	94-1	347	443	440	410	13.38	cps
Molybdenum	95-1	187	177	177	180	3.21	cps
Molybdenum	96-1	247	270	227	248	8.75	cps
Molybdenum	97-1	80	100	100	93	12.37	cps
Molybdenum	98-1	220	273	277	257	12.39	cps
Neodymium	150-1	17	10	7	11	45.82	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	147	193	187	176	14.38	cps
Phosphorus	31-2	217	183	220	207	9.81	cps
Potassium	39-2	85244	85964	85418	85542	0.44	cps
Rhodium	103-1	4421673	4635056	4670900	4575876	2.94	cps
Rhodium	103-2	2919523	2880942	2871555	2890673	0.88	cps
Scandium	45-1	2828754	2996922	2979278	2934985	3.15	cps
Scandium	45-2	283319	285081	286195	284865	0.51	cps
Selenium	82-1	283	243	334	287	15.98	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	370	387	373	377	2.34	cps
Silicon	28-1	304416	310618	310992	308675	1.20	cps
Silver	107-1	60	70	60	63	9.12	cps
Silver	109-1	30	37	53	40	30.04	cps
Sodium	23-2	55841	57219	55914	56325	1.38	cps
Strontium	86-1	600	570	543	571	4.96	cps
Strontium	88-1	1863	2074	2020	1986	5.50	cps
Sulfur	34-1	172059	172211	171881	172050	0.10	cps
Terbium	159-1	5234070	5430571	5601967	5422203	3.40	cps
Terbium	159-2	3671673	3799995	3729056	3733575	1.72	cps
Thallium	203-1	123	103	110	112	9.08	cps
Thallium	205-1	247	323	280	283	13.57	cps
Tin	118-1	2027	2217	2354	2199	7.47	cps
Titanium	47-1	207	167	190	188	10.70	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-08	Instrumnet Name :	P7
Client Sample ID :	MYDD01	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:30:57	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	60	37	37	44	30.31	cps
Vanadium	51-2	27	13	27	22	34.66	cps
Yttrium	89-1	8033022	8611646	8526728	8390465	3.72	cps
Yttrium	89-2	2276248	2257061	2262522	2265277	0.44	cps
Zinc	66-2	903	1070	893	956	10.39	cps
Zirconium	90-1	860	830	987	892	9.32	cps
Zirconium	91-1	183	170	187	180	4.90	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-09	Instrumnet Name :	P7
Client Sample ID :	MYDD02	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:34:15	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	620	657	543	607	9.53	cps
Antimony	121-1	80	123	107	103	21.16	cps
Arsenic	75-2	10	10	7	9	21.63	cps
Barium	135-1	153	167	153	158	4.88	cps
Barium	137-1	277	290	273	280	3.15	cps
Beryllium	9-1	17	23	20	20	16.65	cps
Bismuth	209-1	3057928	3202384	3164069	3141460	2.38	cps
Bismuth	209-2	2635798	2625704	2652177	2637893	0.51	cps
Bromine	81-1	6208	6388	6465	6354	2.07	cps
Bromine	81-2	67	60	83	70	17.17	cps
Cadmium	108-1	3	10	10	8	49.52	cps
Cadmium	106-1	1250	1290	1327	1289	2.98	cps
Cadmium	111-1	899	909	932	913	1.81	cps
Calcium	43-1	600	653	720	658	9.14	cps
Calcium	44-1	21145	21445	21486	21359	0.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1060	1023	1053	1046	1.87	cps
Cobalt	59-2	143	157	140	147	6.01	cps
Copper	63-2	1883	1980	1933	1932	2.50	cps
Dysprosium	156-1	240	257	297	264	11.01	cps
Dysprosium	156-2	63	50	57	57	11.76	cps
Erbium	164-1	47	40	37	41	12.39	cps
Erbium	164-2	37	40	17	31	40.56	cps
Gadolinium	160-1	40	27	33	33	20.00	cps
Gadolinium	160-2	137	107	183	142	27.16	cps
Holmium	165-1	5250007	5362269	5349592	5320623	1.16	cps
Holmium	165-2	3778172	3777009	3782385	3779189	0.07	cps
Indium	115-1	4632385	4883544	4766922	4760950	2.64	cps
Indium	115-2	1714993	1712984	1714260	1714079	0.06	cps
Iron	56-2	20898	20768	21205	20957	1.07	cps
Iron	57-2	3110	3240	3070	3140	2.83	cps
Iron	54-2	2684	2717	2697	2699	0.62	cps
Krypton	83-1	207	240	203	217	9.36	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-09	Instrumnet Name :	P7
Client Sample ID :	MYDD02	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:34:15	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	403	387	330	373	10.30	cps
Lead	207-1	313	310	357	327	7.97	cps
Lead	208-1	1453	1367	1537	1452	5.85	cps
Lithium	6-1	425893	427284	442426	431868	2.12	cps
Magnesium	24-2	1553	1553	1500	1536	2.01	cps
Manganese	55-2	763	787	760	770	1.89	cps
Molybdenum	94-1	453	427	423	434	3.79	cps
Molybdenum	95-1	320	270	257	282	11.83	cps
Molybdenum	96-1	287	377	393	352	16.29	cps
Molybdenum	97-1	200	137	177	171	18.72	cps
Molybdenum	98-1	340	500	403	414	19.44	cps
Neodymium	150-1	10	13	20	14	35.26	cps
Neodymium	150-2	3	3	3	3	0.00	cps
Nickel	60-2	173	237	183	198	17.21	cps
Phosphorus	31-2	153	213	207	191	17.21	cps
Potassium	39-2	85448	86279	84684	85470	0.93	cps
Rhodium	103-1	4564577	4680058	4697463	4647366	1.55	cps
Rhodium	103-2	2881714	2857045	2865677	2868145	0.44	cps
Scandium	45-1	2922101	3072934	3054351	3016462	2.73	cps
Scandium	45-2	290313	287221	287765	288433	0.57	cps
Selenium	82-1	354	314	393	354	11.12	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	410	373	327	370	11.29	cps
Silicon	28-1	410717	424733	439648	425033	3.40	cps
Silver	107-1	93	87	123	101	19.32	cps
Silver	109-1	60	60	37	52	25.79	cps
Sodium	23-2	54496	53279	52309	53361	2.05	cps
Strontium	86-1	633	640	637	637	0.52	cps
Strontium	88-1	2837	2744	2950	2844	3.64	cps
Sulfur	34-1	180273	178246	177754	178758	0.75	cps
Terbium	159-1	5435097	5605010	5474322	5504809	1.62	cps
Terbium	159-2	3792428	3722784	3813796	3776336	1.26	cps
Thallium	203-1	123	110	113	116	6.01	cps
Thallium	205-1	273	297	270	280	5.19	cps
Tin	118-1	2090	2200	2090	2127	2.99	cps
Titanium	47-1	183	260	190	211	20.12	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-09	Instrumnet Name :	P7
Client Sample ID :	MYDD02	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:34:15	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	70	73	100	81	20.27	cps
Vanadium	51-2	47	40	30	39	21.57	cps
Yttrium	89-1	8256604	8546943	8592360	8465302	2.15	cps
Yttrium	89-2	2299218	2270396	2265522	2278378	0.80	cps
Zinc	66-2	767	827	783	792	3.91	cps
Zirconium	90-1	700	670	790	720	8.67	cps
Zirconium	91-1	147	143	123	138	9.16	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-10	Instrumnet Name :	P7
Client Sample ID :	MYDD03	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:37:32	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	640	700	690	677	4.75	cps
Antimony	121-1	120	117	113	117	2.85	cps
Arsenic	75-2	7	20	10	12	56.76	cps
Barium	135-1	200	207	190	199	4.22	cps
Barium	137-1	317	360	260	312	16.06	cps
Beryllium	9-1	30	30	30	30	0.00	cps
Bismuth	209-1	3061863	3177722	2886021	3041869	4.83	cps
Bismuth	209-2	2557920	2611698	2641959	2603859	1.63	cps
Bromine	81-1	6231	6415	6321	6323	1.45	cps
Bromine	81-2	100	140	90	110	24.05	cps
Cadmium	108-1	10	10	7	9	21.63	cps
Cadmium	106-1	1393	1257	1193	1281	7.98	cps
Cadmium	111-1	982	883	861	908	7.10	cps
Calcium	43-1	967	1010	940	972	3.63	cps
Calcium	44-1	26470	26674	26587	26577	0.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1260	1220	1163	1215	4.00	cps
Cobalt	59-2	147	193	143	161	17.35	cps
Copper	63-2	2014	2084	2053	2050	1.71	cps
Dysprosium	156-1	270	210	250	243	12.56	cps
Dysprosium	156-2	47	40	57	48	17.56	cps
Erbium	164-1	37	60	47	48	24.50	cps
Erbium	164-2	13	17	43	24	67.26	cps
Gadolinium	160-1	10	40	27	26	58.81	cps
Gadolinium	160-2	113	80	153	116	31.78	cps
Holmium	165-1	5172059	5270805	5000072	5147645	2.66	cps
Holmium	165-2	3700376	3733355	3748605	3727446	0.66	cps
Indium	115-1	4551738	4793524	4455630	4600297	3.78	cps
Indium	115-2	1702687	1711389	1698713	1704263	0.38	cps
Iron	56-2	27395	26547	26340	26761	2.09	cps
Iron	57-2	3250	3240	3257	3249	0.26	cps
Iron	54-2	2900	2997	2857	2918	2.46	cps
Krypton	83-1	307	233	233	258	16.42	cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-10	Instrumnet Name :	P7
Client Sample ID :	MYDD03	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:37:32	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	487	417	503	469	9.81	cps
Lead	207-1	357	407	463	409	13.05	cps
Lead	208-1	1667	1727	1883	1759	6.36	cps
Lithium	6-1	411919	434110	408669	418233	3.31	cps
Magnesium	24-2	1950	1757	1797	1835	5.56	cps
Manganese	55-2	867	753	1000	873	14.14	cps
Molybdenum	94-1	497	533	613	548	10.89	cps
Molybdenum	95-1	360	427	397	394	8.46	cps
Molybdenum	96-1	453	460	483	466	3.38	cps
Molybdenum	97-1	217	240	277	244	12.37	cps
Molybdenum	98-1	533	460	640	544	16.63	cps
Neodymium	150-1	3	10	17	10	66.70	cps
Neodymium	150-2	7	3	3	4	43.40	cps
Nickel	60-2	183	170	183	179	4.31	cps
Phosphorus	31-2	170	240	223	211	17.32	cps
Potassium	39-2	85874	86862	85479	86072	0.83	cps
Rhodium	103-1	4455500	4649179	4323860	4476180	3.66	cps
Rhodium	103-2	2857379	2890100	2867818	2871766	0.58	cps
Scandium	45-1	2842992	2986103	2781485	2870193	3.66	cps
Scandium	45-2	285751	284221	284087	284686	0.32	cps
Selenium	82-1	172	286	295	251	27.26	cps
Selenium	77-2	17	0	0	6	173.21	cps
Selenium	78-2	410	400	400	403	1.43	cps
Silicon	28-1	321724	326077	331392	326397	1.48	cps
Silver	107-1	83	60	160	101	51.74	cps
Silver	109-1	73	63	70	69	7.39	cps
Sodium	23-2	58608	58731	58916	58752	0.26	cps
Strontium	86-1	787	773	763	774	1.51	cps
Strontium	88-1	3327	3337	3901	3522	9.32	cps
Sulfur	34-1	183837	180664	178260	180920	1.55	cps
Terbium	159-1	5335710	5582777	5189794	5369427	3.70	cps
Terbium	159-2	3773708	3755982	3716231	3748640	0.79	cps
Thallium	203-1	117	100	147	121	19.53	cps
Thallium	205-1	350	300	363	338	9.88	cps
Tin	118-1	2330	2377	2394	2367	1.39	cps
Titanium	47-1	263	220	287	257	13.18	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4322-10	Instrumnet Name :	P7
Client Sample ID :	MYDD03	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:37:32	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	127	117	123	122	4.17	cps
Vanadium	51-2	57	50	27	44	35.44	cps
Yttrium	89-1	8018791	8517730	7967814	8168112	3.72	cps
Yttrium	89-2	2237498	2261837	2244362	2247899	0.56	cps
Zinc	66-2	1070	1100	1010	1060	4.32	cps
Zirconium	90-1	793	803	997	864	13.26	cps
Zirconium	91-1	177	217	253	216	17.79	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV030	Instrumnet Name :	P7
Client Sample ID :	CCV030	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:40:51	DataFile Name :	031CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7828974	7534662	7668636	7677424	1.92	cps
Antimony	121-1	3291048	3316405	3241938	3283130	1.15	cps
Arsenic	75-2	214669	213051	211225	212982	0.81	cps
Barium	135-1	4072422	4018124	4059101	4049882	0.70	cps
Barium	137-1	6948491	7108789	6990574	7015951	1.18	cps
Beryllium	9-1	364745	370318	371033	368699	0.93	cps
Bismuth	209-1	3601496	3687366	3542515	3610459	2.02	cps
Bismuth	209-2	2846561	2843981	2833929	2841490	0.23	cps
Bromine	81-1	6658	6678	6852	6729	1.58	cps
Bromine	81-2	57	73	70	67	13.22	cps
Cadmium	108-1	56971	57724	57199	57298	0.67	cps
Cadmium	106-1	81360	82228	82244	81944	0.62	cps
Cadmium	111-1	772932	786820	793600	784451	1.34	cps
Calcium	43-1	4673255	4754519	4630124	4685966	1.35	cps
Calcium	44-1	75423226	76319064	75052617	75598302	0.86	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1529704	1512243	1499996	1513981	0.99	cps
Cobalt	59-2	2354607	2335929	2339418	2343318	0.42	cps
Copper	63-2	16734166	16733225	16604374	16690589	0.45	cps
Dysprosium	156-1	450	403	393	416	7.28	cps
Dysprosium	156-2	293	333	357	328	9.77	cps
Erbium	164-1	173	193	187	184	5.52	cps
Erbium	164-2	113	127	103	114	10.23	cps
Gadolinium	160-1	137	130	127	131	3.88	cps
Gadolinium	160-2	250	250	223	241	6.38	cps
Holmium	165-1	6370187	6316925	6445276	6377463	1.01	cps
Holmium	165-2	4338758	4218394	4265060	4274071	1.42	cps
Indium	115-1	5406979	5396071	5389953	5397668	0.16	cps
Indium	115-2	1878228	1823457	1850812	1850832	1.48	cps
Iron	56-2	322520229	317901482	319082142	319834617	0.75	cps
Iron	57-2	8000791	7955754	7954957	7970501	0.33	cps
Iron	54-2	17770518	17699002	17580082	17683201	0.54	cps
Krypton	83-1	300	260	247	269	10.32	cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV030	Instrumnet Name :	P7
Client Sample ID :	CCV030	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:40:51	DataFile Name :	031CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10295645	10245929	10389520	10310365	0.71	cps
Lead	207-1	9044946	9043162	9003999	9030703	0.26	cps
Lead	208-1	40961625	41044274	40853937	40953279	0.23	cps
Lithium	6-1	509847	525164	519380	518130	1.49	cps
Magnesium	24-2	64818602	63192276	64521182	64177353	1.35	cps
Manganese	55-2	10729956	10514547	10467698	10570734	1.32	cps
Molybdenum	94-1	13001103	12978592	13035644	13005113	0.22	cps
Molybdenum	95-1	18777581	18815163	18801198	18797981	0.10	cps
Molybdenum	96-1	20408108	20406451	20462433	20425664	0.16	cps
Molybdenum	97-1	11529216	11526919	11633350	11563162	0.53	cps
Molybdenum	98-1	29751932	30076324	29867399	29898552	0.55	cps
Neodymium	150-1	180	240	180	200	17.32	cps
Neodymium	150-2	80	67	70	72	9.61	cps
Nickel	60-2	574222	567134	570637	570664	0.62	cps
Phosphorus	31-2	91042	89687	89285	90005	1.02	cps
Potassium	39-2	44265383	43161138	43962039	43796187	1.30	cps
Rhodium	103-1	5078400	5141352	5126701	5115485	0.64	cps
Rhodium	103-2	3117782	3047374	3047654	3070936	1.32	cps
Scandium	45-1	3579554	3570305	3520317	3556725	0.90	cps
Scandium	45-2	331755	327463	329084	329434	0.66	cps
Selenium	82-1	51479	52278	52569	52109	1.08	cps
Selenium	77-2	5321	5228	5171	5240	1.45	cps
Selenium	78-2	17754	17310	17414	17493	1.33	cps
Silicon	28-1	21721135	21060413	21531486	21437678	1.59	cps
Silver	107-1	4094882	4137426	4127900	4120069	0.54	cps
Silver	109-1	3880190	3909037	3938679	3909302	0.75	cps
Sodium	23-2	110022565	107738178	108689022	108816588	1.05	cps
Strontium	86-1	27598565	27549062	27704617	27617415	0.29	cps
Strontium	88-1	240750070	239019983	239746196	239838750	0.36	cps
Sulfur	34-1	414044	416064	413243	414450	0.35	cps
Terbium	159-1	6505799	6552929	6433620	6497449	0.92	cps
Terbium	159-2	4309622	4230364	4200490	4246825	1.33	cps
Thallium	203-1	2574539	2600323	2605778	2593546	0.64	cps
Thallium	205-1	5993675	6084221	6061024	6046307	0.78	cps
Tin	118-1	2593194	2555104	2579462	2575920	0.75	cps
Titanium	47-1	4934842	4983764	4971551	4963386	0.51	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV030	Instrumnet Name :	P7
Client Sample ID :	CCV030	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:40:51	DataFile Name :	031CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7612484	7733124	7723502	7689703	0.87	cps
Vanadium	51-2	1374517	1333872	1344013	1350801	1.57	cps
Yttrium	89-1	10025159	10124096	9867519	10005591	1.29	cps
Yttrium	89-2	2520403	2555224	2499798	2525142	1.11	cps
Zinc	66-2	2771255	2737827	2739961	2749681	0.68	cps
Zirconium	90-1	5917583	6061354	6012739	5997226	1.22	cps
Zirconium	91-1	1291516	1298299	1292597	1294137	0.28	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB030	Instrumnet Name :	P7
Client Sample ID :	CCB030	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:43:36	DataFile Name :	032CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	680	653	697	677	3.23	cps
Antimony	121-1	2294	2227	2134	2218	3.62	cps
Arsenic	75-2	13	20	10	14	35.26	cps
Barium	135-1	277	217	270	254	12.92	cps
Barium	137-1	483	447	503	478	6.02	cps
Beryllium	9-1	77	80	67	74	9.32	cps
Bismuth	209-1	3619082	3596230	3533545	3582952	1.24	cps
Bismuth	209-2	2786751	2882837	2861005	2843531	1.77	cps
Bromine	81-1	5805	6158	6041	6001	3.00	cps
Bromine	81-2	80	60	60	67	17.32	cps
Cadmium	108-1	20	17	13	17	20.01	cps
Cadmium	106-1	1550	1323	1423	1432	7.93	cps
Cadmium	111-1	1141	1011	1074	1075	6.03	cps
Calcium	43-1	663	727	713	701	4.76	cps
Calcium	44-1	22637	22400	22741	22593	0.77	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	730	760	850	780	8.01	cps
Cobalt	59-2	190	257	207	218	15.93	cps
Copper	63-2	1803	1823	1847	1825	1.19	cps
Dysprosium	156-1	250	230	190	223	13.68	cps
Dysprosium	156-2	43	40	40	41	4.68	cps
Erbium	164-1	60	30	50	47	32.73	cps
Erbium	164-2	37	33	33	34	5.60	cps
Gadolinium	160-1	13	23	17	18	28.64	cps
Gadolinium	160-2	113	137	163	138	18.16	cps
Holmium	165-1	6016168	5901638	5803845	5907217	1.80	cps
Holmium	165-2	3996062	4004660	3961425	3987382	0.57	cps
Indium	115-1	5296480	5341062	5146021	5261188	1.94	cps
Indium	115-2	1821378	1824681	1821423	1822494	0.10	cps
Iron	56-2	27298	27896	27368	27521	1.19	cps
Iron	57-2	3260	3110	3390	3254	4.31	cps
Iron	54-2	2350	2370	2460	2394	2.45	cps
Krypton	83-1	267	207	210	228	14.80	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB030	Instrumnet Name :	P7
Client Sample ID :	CCB030	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:43:36	DataFile Name :	032CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	907	950	800	886	8.72	cps
Lead	207-1	823	810	657	763	12.13	cps
Lead	208-1	3727	3704	3360	3597	5.71	cps
Lithium	6-1	487881	483525	479838	483748	0.83	cps
Magnesium	24-2	3710	3477	3317	3502	5.65	cps
Manganese	55-2	1417	1410	1450	1426	1.50	cps
Molybdenum	94-1	1293	1220	1100	1205	8.10	cps
Molybdenum	95-1	1577	1463	1367	1469	7.16	cps
Molybdenum	96-1	1667	1577	1593	1612	2.97	cps
Molybdenum	97-1	880	863	870	871	0.96	cps
Molybdenum	98-1	2360	2124	2174	2219	5.62	cps
Neodymium	150-1	10	13	7	10	33.30	cps
Neodymium	150-2	7	3	10	7	50.03	cps
Nickel	60-2	153	200	133	162	21.09	cps
Phosphorus	31-2	140	160	200	167	18.33	cps
Potassium	39-2	91154	90205	88891	90083	1.26	cps
Rhodium	103-1	5144194	5111402	4987342	5080979	1.63	cps
Rhodium	103-2	3019144	3053970	3014915	3029343	0.71	cps
Scandium	45-1	3344862	3266453	3283704	3298340	1.25	cps
Scandium	45-2	303242	302167	302063	302491	0.22	cps
Selenium	82-1	319	369	341	343	7.33	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	330	383	380	364	8.20	cps
Silicon	28-1	297780	296032	290210	294674	1.34	cps
Silver	107-1	500	363	370	411	18.74	cps
Silver	109-1	480	397	360	412	14.92	cps
Sodium	23-2	56467	54583	55292	55447	1.72	cps
Strontium	86-1	1643	1567	1560	1590	2.91	cps
Strontium	88-1	11428	10124	9933	10495	7.75	cps
Sulfur	34-1	180752	181106	178913	180257	0.65	cps
Terbium	159-1	6120682	6179191	5950713	6083529	1.95	cps
Terbium	159-2	4026746	3978058	4007744	4004183	0.61	cps
Thallium	203-1	417	420	373	403	6.46	cps
Thallium	205-1	1060	1067	967	1031	5.42	cps
Tin	118-1	2107	1993	2037	2046	2.80	cps
Titanium	47-1	373	387	413	391	5.21	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB030	Instrumnet Name :	P7
Client Sample ID :	CCB030	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 19:43:36	DataFile Name :	032CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	407	300	330	346	15.92	cps
Vanadium	51-2	60	87	70	72	18.66	cps
Yttrium	89-1	9551423	9334069	9172157	9352550	2.03	cps
Yttrium	89-2	2404366	2396850	2371957	2391058	0.71	cps
Zinc	66-2	1033	1087	1147	1089	5.21	cps
Zirconium	90-1	1183	1060	957	1067	10.64	cps
Zirconium	91-1	243	253	187	228	15.78	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 19:47:10	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1438681	1478975	1476003	1464553	1.53	cps
Antimony	121-1	4361	4467	4487	4438	1.53	cps
Arsenic	75-2	24811	24590	24283	24561	1.08	cps
Barium	135-1	128104	127098	132146	129116	2.07	cps
Barium	137-1	212896	225379	220491	219589	2.86	cps
Beryllium	9-1	303	297	243	281	11.70	cps
Bismuth	209-1	3608551	3366008	3539205	3504588	3.56	cps
Bismuth	209-2	2793095	2813200	2781003	2795766	0.58	cps
Bromine	81-1	6351	6205	6375	6310	1.46	cps
Bromine	81-2	147	147	140	144	2.67	cps
Cadmium	108-1	117	97	110	108	9.45	cps
Cadmium	106-1	1470	1567	1427	1488	4.82	cps
Cadmium	111-1	2137	2209	2278	2208	3.19	cps
Calcium	43-1	92657	96699	96112	95156	2.29	cps
Calcium	44-1	1537468	1498401	1553164	1529678	1.84	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	35729	35031	35555	35438	1.03	cps
Cobalt	59-2	33968	33274	33538	33593	1.04	cps
Copper	63-2	165923	167493	166567	166661	0.47	cps
Dysprosium	156-1	10054	10644	10788	10495	3.71	cps
Dysprosium	156-2	8789	8863	8579	8744	1.68	cps
Erbium	164-1	8589	8553	8830	8657	1.74	cps
Erbium	164-2	6081	5835	5968	5961	2.07	cps
Gadolinium	160-1	9530	10120	9797	9816	3.01	cps
Gadolinium	160-2	7429	7322	7392	7381	0.73	cps
Holmium	165-1	5653933	5564299	5761601	5659944	1.75	cps
Holmium	165-2	4002906	4001724	3994518	3999716	0.11	cps
Indium	115-1	5099559	4950425	5093678	5047887	1.67	cps
Indium	115-2	1779538	1795924	1759694	1778385	1.02	cps
Iron	56-2	51834111	51033806	51075194	51314370	0.88	cps
Iron	57-2	1312617	1303128	1303615	1306453	0.41	cps
Iron	54-2	2900967	2880125	2855739	2878944	0.79	cps
Krypton	83-1	283	217	210	237	17.14	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 19:47:10	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	184128	182163	190892	185728	2.47	cps
Lead	207-1	162251	169358	169449	167019	2.47	cps
Lead	208-1	730736	747172	752855	743587	1.54	cps
Lithium	6-1	500028	453874	500377	484760	5.52	cps
Magnesium	24-2	940482	945003	936496	940660	0.45	cps
Manganese	55-2	1100718	1106510	1101301	1102843	0.29	cps
Molybdenum	94-1	7825	7976	7956	7919	1.03	cps
Molybdenum	95-1	1637	1627	1747	1670	3.99	cps
Molybdenum	96-1	3264	3514	3450	3409	3.81	cps
Molybdenum	97-1	1020	980	1113	1038	6.59	cps
Molybdenum	98-1	2654	2680	2844	2726	3.77	cps
Neodymium	150-1	18456	18332	18783	18523	1.26	cps
Neodymium	150-2	10891	10988	11301	11060	1.94	cps
Nickel	60-2	11618	11371	11124	11371	2.17	cps
Phosphorus	31-2	5718	5604	5724	5682	1.19	cps
Potassium	39-2	793564	800772	793978	796105	0.51	cps
Rhodium	103-1	4816857	4830016	4839227	4828700	0.23	cps
Rhodium	103-2	3009476	3056970	2962421	3009622	1.57	cps
Scandium	45-1	3295420	3195612	3309042	3266691	1.90	cps
Scandium	45-2	305441	303014	301866	303440	0.60	cps
Selenium	82-1	348	436	455	413	13.94	cps
Selenium	77-2	33	40	53	42	24.12	cps
Selenium	78-2	370	360	440	390	11.18	cps
Silicon	28-1	5494944	5569350	5681858	5582051	1.69	cps
Silver	107-1	2670	2590	2824	2695	4.40	cps
Silver	109-1	2250	2577	2550	2459	7.38	cps
Sodium	23-2	64892	66801	65234	65643	1.55	cps
Strontium	86-1	47564	49275	49319	48719	2.05	cps
Strontium	88-1	414089	441438	427706	427745	3.20	cps
Sulfur	34-1	206414	205958	202216	204863	1.12	cps
Terbium	159-1	5762305	5905103	5771355	5812921	1.38	cps
Terbium	159-2	3960276	3983090	3968538	3970634	0.29	cps
Thallium	203-1	773	827	683	761	9.52	cps
Thallium	205-1	1660	1877	1787	1775	6.13	cps
Tin	118-1	4868	5004	4577	4816	4.53	cps
Titanium	47-1	209411	217085	219507	215334	2.45	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 19:47:10	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2810	2967	2834	2870	2.95	cps
Vanadium	51-2	85886	85893	85906	85895	0.01	cps
Yttrium	89-1	9314066	8967045	9327792	9202968	2.22	cps
Yttrium	89-2	2436839	2455945	2406925	2433236	1.02	cps
Zinc	66-2	102898	101925	102049	102291	0.52	cps
Zirconium	90-1	19781	18518	19259	19186	3.31	cps
Zirconium	91-1	3941	4161	4227	4110	3.65	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-11DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 19:50:22	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1490124	1471103	1492010	1484412	0.78	cps
Antimony	121-1	4584	4444	4607	4545	1.94	cps
Arsenic	75-2	24717	24761	24237	24572	1.18	cps
Barium	135-1	126563	130679	132221	129821	2.25	cps
Barium	137-1	217140	224807	221147	221031	1.74	cps
Beryllium	9-1	340	310	263	304	12.69	cps
Bismuth	209-1	3354270	3416207	3637459	3469312	4.29	cps
Bismuth	209-2	2806144	2819829	2877217	2834397	1.33	cps
Bromine	81-1	6808	6361	6792	6654	3.81	cps
Bromine	81-2	153	167	150	157	5.63	cps
Cadmium	108-1	120	170	120	137	21.12	cps
Cadmium	106-1	1640	1673	1510	1608	5.37	cps
Cadmium	111-1	2284	2142	2206	2211	3.21	cps
Calcium	43-1	95515	96381	99597	97164	2.21	cps
Calcium	44-1	1484420	1497839	1564847	1515702	2.84	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	34960	35939	35118	35339	1.49	cps
Cobalt	59-2	34105	33965	33554	33875	0.85	cps
Copper	63-2	170594	170126	169013	169911	0.48	cps
Dysprosium	156-1	10244	10918	10818	10660	3.41	cps
Dysprosium	156-2	8783	8836	8759	8793	0.45	cps
Erbium	164-1	8356	8596	9470	8807	6.66	cps
Erbium	164-2	6041	5971	5931	5981	0.93	cps
Gadolinium	160-1	9680	10384	10321	10128	3.84	cps
Gadolinium	160-2	7896	7272	7479	7549	4.21	cps
Holmium	165-1	5632239	5784667	5752394	5723100	1.40	cps
Holmium	165-2	4009368	4050525	4068749	4042881	0.75	cps
Indium	115-1	4953772	5179993	5127762	5087176	2.33	cps
Indium	115-2	1802489	1835273	1813569	1817110	0.92	cps
Iron	56-2	52863948	52692088	52343974	52633336	0.50	cps
Iron	57-2	1333844	1336342	1328755	1332980	0.29	cps
Iron	54-2	2986479	2959476	2930876	2958944	0.94	cps
Krypton	83-1	233	230	237	233	1.43	cps

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Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-11DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 19:50:22	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	178306	186774	188246	184442	2.91	cps
Lead	207-1	164216	174474	169830	169507	3.03	cps
Lead	208-1	746953	756499	756939	753464	0.75	cps
Lithium	6-1	466039	455900	514446	478795	6.53	cps
Magnesium	24-2	956683	954505	949277	953488	0.40	cps
Manganese	55-2	1118484	1113393	1106395	1112757	0.55	cps
Molybdenum	94-1	7795	7859	8076	7910	1.86	cps
Molybdenum	95-1	1440	1540	1650	1543	6.81	cps
Molybdenum	96-1	3170	3460	3274	3302	4.45	cps
Molybdenum	97-1	1033	1083	970	1029	5.52	cps
Molybdenum	98-1	2420	2317	2467	2401	3.20	cps
Neodymium	150-1	18769	18509	19333	18871	2.23	cps
Neodymium	150-2	11391	10944	11338	11225	2.18	cps
Nickel	60-2	11751	12072	11371	11731	2.99	cps
Phosphorus	31-2	6178	5875	5875	5976	2.93	cps
Potassium	39-2	812032	804786	805233	807350	0.50	cps
Rhodium	103-1	4755028	5172441	4847508	4924993	4.45	cps
Rhodium	103-2	3044847	3071393	3052146	3056128	0.45	cps
Scandium	45-1	3155617	3207594	3297943	3220385	2.24	cps
Scandium	45-2	307014	308216	303871	306367	0.73	cps
Selenium	82-1	480	384	345	403	17.31	cps
Selenium	77-2	47	40	40	42	9.12	cps
Selenium	78-2	443	387	443	424	7.71	cps
Silicon	28-1	5332667	5710202	5513208	5518692	3.42	cps
Silver	107-1	2590	2604	2747	2647	3.28	cps
Silver	109-1	2410	2317	2420	2382	2.39	cps
Sodium	23-2	66205	64716	64940	65287	1.23	cps
Strontium	86-1	47420	51476	50309	49735	4.20	cps
Strontium	88-1	440606	435824	437862	438097	0.55	cps
Sulfur	34-1	205701	208073	206668	206814	0.58	cps
Terbium	159-1	5741237	6150312	5972025	5954525	3.44	cps
Terbium	159-2	4052809	4034145	3978170	4021708	0.97	cps
Thallium	203-1	633	733	737	701	8.38	cps
Thallium	205-1	1643	1607	1543	1598	3.17	cps
Tin	118-1	4734	5004	4757	4832	3.10	cps
Titanium	47-1	210636	227994	219864	219498	3.96	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-11DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 19:50:22	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3134	3247	3157	3179	1.88	cps
Vanadium	51-2	89047	88940	89259	89082	0.18	cps
Yttrium	89-1	9147623	9201745	9489524	9279631	1.98	cps
Yttrium	89-2	2470731	2407708	2449897	2442779	1.31	cps
Zinc	66-2	104194	102781	103009	103328	0.73	cps
Zirconium	90-1	18388	19179	19296	18955	2.61	cps
Zirconium	91-1	3991	4297	4281	4190	4.12	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDB51L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 19:53:37	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	286150	285914	286753	286272	0.15	cps
Antimony	121-1	900	1030	1007	979	7.08	cps
Arsenic	75-2	4921	4744	4921	4862	2.10	cps
Barium	135-1	24688	24945	25389	25008	1.42	cps
Barium	137-1	43647	43824	44108	43860	0.53	cps
Beryllium	9-1	83	73	80	79	6.45	cps
Bismuth	209-1	3449485	3503367	3484345	3479066	0.79	cps
Bismuth	209-2	2787726	2818840	2799635	2802067	0.56	cps
Bromine	81-1	6335	6381	6528	6415	1.57	cps
Bromine	81-2	80	60	73	71	14.32	cps
Cadmium	108-1	30	30	37	32	11.95	cps
Cadmium	106-1	1500	1597	1427	1508	5.66	cps
Cadmium	111-1	1296	1337	1186	1273	6.11	cps
Calcium	43-1	18558	19546	19349	19151	2.73	cps
Calcium	44-1	318465	325861	323030	322452	1.16	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7532	7889	7569	7663	2.56	cps
Cobalt	59-2	6585	6558	6715	6619	1.27	cps
Copper	63-2	33033	33949	33635	33539	1.39	cps
Dysprosium	156-1	2287	2214	2180	2227	2.45	cps
Dysprosium	156-2	1723	1790	1883	1799	4.47	cps
Erbium	164-1	1773	1747	1713	1745	1.72	cps
Erbium	164-2	1273	1233	1150	1219	5.16	cps
Gadolinium	160-1	1907	1860	1797	1855	2.98	cps
Gadolinium	160-2	1627	1527	1543	1566	3.42	cps
Holmium	165-1	5672501	5718138	5733884	5708174	0.56	cps
Holmium	165-2	3925968	4001362	4007557	3978296	1.14	cps
Indium	115-1	5117263	5165593	5023739	5102198	1.41	cps
Indium	115-2	1819895	1773288	1775850	1789678	1.46	cps
Iron	56-2	10123399	9983063	10066893	10057785	0.70	cps
Iron	57-2	257283	257493	257409	257395	0.04	cps
Iron	54-2	571287	569604	576138	572343	0.59	cps
Krypton	83-1	260	203	280	248	16.05	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDB51L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 19:53:37	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	35540	36626	37251	36472	2.37	cps
Lead	207-1	32870	33465	33464	33266	1.03	cps
Lead	208-1	146251	148562	149218	148010	1.05	cps
Lithium	6-1	473591	496905	484628	485041	2.40	cps
Magnesium	24-2	184816	183403	186483	184901	0.83	cps
Manganese	55-2	215684	214021	214935	214880	0.39	cps
Molybdenum	94-1	1857	1797	1980	1878	4.98	cps
Molybdenum	95-1	687	817	740	748	8.74	cps
Molybdenum	96-1	1043	1137	1033	1071	5.32	cps
Molybdenum	97-1	367	407	433	402	8.34	cps
Molybdenum	98-1	1067	1020	1057	1048	2.35	cps
Neodymium	150-1	3751	3764	3857	3791	1.53	cps
Neodymium	150-2	2070	2117	2250	2146	4.35	cps
Nickel	60-2	2387	2270	2397	2351	3.00	cps
Phosphorus	31-2	1183	1270	1213	1222	3.60	cps
Potassium	39-2	223128	224082	225881	224364	0.62	cps
Rhodium	103-1	4867369	4995535	4957094	4939999	1.33	cps
Rhodium	103-2	3012126	3008845	3008529	3009833	0.07	cps
Scandium	45-1	3135815	3202227	3162063	3166702	1.06	cps
Scandium	45-2	298165	298525	297939	298210	0.10	cps
Selenium	82-1	319	376	278	324	15.12	cps
Selenium	77-2	7	7	23	12	78.69	cps
Selenium	78-2	393	367	330	363	8.75	cps
Silicon	28-1	1419740	1403362	1433912	1419005	1.08	cps
Silver	107-1	590	630	597	606	3.54	cps
Silver	109-1	540	523	573	546	4.67	cps
Sodium	23-2	46393	46363	46426	46394	0.07	cps
Strontium	86-1	10427	10357	10210	10331	1.07	cps
Strontium	88-1	86184	88609	87904	87566	1.42	cps
Sulfur	34-1	182525	184060	184199	183595	0.51	cps
Terbium	159-1	5924688	5903095	5854537	5894106	0.61	cps
Terbium	159-2	3984029	3975091	4023629	3994250	0.65	cps
Thallium	203-1	347	340	397	361	8.58	cps
Thallium	205-1	793	803	847	814	3.48	cps
Tin	118-1	1853	2034	2110	1999	6.59	cps
Titanium	47-1	42002	43195	43679	42959	2.01	cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDB51L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 19:53:37	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	687	743	650	693	6.78	cps
Vanadium	51-2	16946	16623	17136	16902	1.54	cps
Yttrium	89-1	8998459	9204940	9065999	9089799	1.16	cps
Yttrium	89-2	2398024	2378772	2366268	2381021	0.67	cps
Zinc	66-2	20474	20147	20167	20263	0.90	cps
Zirconium	90-1	3924	4227	3981	4044	3.99	cps
Zirconium	91-1	897	957	923	926	3.25	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-12DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 19:56:51	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1487887	1464911	1443366	1465388	1.52	cps
Antimony	121-1	102435	101129	102160	101908	0.68	cps
Arsenic	75-2	26651	26530	26447	26543	0.39	cps
Barium	135-1	572952	601969	594802	589908	2.56	cps
Barium	137-1	997670	999295	1019389	1005451	1.20	cps
Beryllium	9-1	5938	5998	6621	6186	6.12	cps
Bismuth	209-1	3211708	3664535	3292542	3389595	7.13	cps
Bismuth	209-2	2765457	2743917	2794594	2767989	0.92	cps
Bromine	81-1	6848	6672	6675	6732	1.50	cps
Bromine	81-2	163	170	173	169	3.01	cps
Cadmium	108-1	800	920	907	876	7.51	cps
Cadmium	106-1	2850	2680	2654	2728	3.91	cps
Cadmium	111-1	14475	14775	14305	14518	1.64	cps
Calcium	43-1	91850	92721	91501	92024	0.68	cps
Calcium	44-1	1435613	1520189	1465128	1473643	2.91	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	132980	130660	131259	131633	0.91	cps
Cobalt	59-2	392398	396376	396938	395237	0.63	cps
Copper	63-2	285475	282125	284416	284005	0.60	cps
Dysprosium	156-1	9557	10321	10384	10087	4.56	cps
Dysprosium	156-2	8616	8276	8526	8473	2.08	cps
Erbium	164-1	7829	8693	8276	8266	5.23	cps
Erbium	164-2	5808	5741	5678	5742	1.13	cps
Gadolinium	160-1	9894	9733	9433	9687	2.41	cps
Gadolinium	160-2	7129	7419	7412	7320	2.26	cps
Holmium	165-1	5323991	5845211	5928536	5699246	5.75	cps
Holmium	165-2	4009959	3938454	3989123	3979179	0.92	cps
Indium	115-1	4752115	5176283	5192538	5040312	4.95	cps
Indium	115-2	1775183	1769923	1799902	1781669	0.90	cps
Iron	56-2	50185603	50038723	50051799	50092041	0.16	cps
Iron	57-2	1275254	1266658	1272845	1271586	0.35	cps
Iron	54-2	2804517	2796667	2797306	2799496	0.16	cps
Krypton	83-1	277	253	237	256	7.86	cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-12DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 19:56:51	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	184731	196535	191274	190847	3.10	cps
Lead	207-1	170307	171536	175386	172410	1.54	cps
Lead	208-1	764258	770913	767443	767538	0.43	cps
Lithium	6-1	446039	521947	464015	477333	8.31	cps
Magnesium	24-2	912457	911558	909302	911106	0.18	cps
Manganese	55-2	1233127	1231010	1231984	1232040	0.09	cps
Molybdenum	94-1	7372	7389	7532	7431	1.18	cps
Molybdenum	95-1	1467	1577	1393	1479	6.24	cps
Molybdenum	96-1	3190	3244	3064	3166	2.92	cps
Molybdenum	97-1	890	980	907	926	5.17	cps
Molybdenum	98-1	2160	2297	2387	2281	5.00	cps
Neodymium	150-1	17655	17965	18055	17891	1.17	cps
Neodymium	150-2	10531	10104	10414	10349	2.13	cps
Nickel	60-2	104135	103565	102699	103466	0.70	cps
Phosphorus	31-2	5661	5308	5548	5505	3.28	cps
Potassium	39-2	774363	770221	773182	772589	0.28	cps
Rhodium	103-1	4479870	4882721	5059399	4807330	6.18	cps
Rhodium	103-2	3023144	2952946	2989440	2988510	1.17	cps
Scandium	45-1	3070341	3415212	3207847	3231133	5.37	cps
Scandium	45-2	304368	303225	304873	304155	0.28	cps
Selenium	82-1	1924	1957	1975	1952	1.33	cps
Selenium	77-2	250	240	220	237	6.46	cps
Selenium	78-2	933	970	853	919	6.49	cps
Silicon	28-1	5377422	5420658	5898290	5565457	5.19	cps
Silver	107-1	53783	56285	54726	54931	2.30	cps
Silver	109-1	52267	51123	51658	51683	1.11	cps
Sodium	23-2	64143	64344	63550	64012	0.64	cps
Strontium	86-1	46851	46908	49346	47702	2.99	cps
Strontium	88-1	419015	411789	419868	416891	1.06	cps
Sulfur	34-1	207353	207556	203036	205982	1.24	cps
Terbium	159-1	5478490	5953529	5965077	5799032	4.79	cps
Terbium	159-2	3897260	4026690	3929275	3951075	1.71	cps
Thallium	203-1	34634	35570	36485	35563	2.60	cps
Thallium	205-1	86144	84930	84430	85168	1.04	cps
Tin	118-1	4664	4654	5118	4812	5.50	cps
Titanium	47-1	205666	212756	220736	213053	3.54	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-12DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 19:56:51	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3104	2840	2757	2900	6.24	cps
Vanadium	51-2	299672	296749	299951	298791	0.59	cps
Yttrium	89-1	8485289	9513163	9096157	9031536	5.72	cps
Yttrium	89-2	2420717	2425770	2427563	2424683	0.15	cps
Zinc	66-2	140265	140480	141574	140773	0.50	cps
Zirconium	90-1	17344	18645	18468	18152	3.89	cps
Zirconium	91-1	3997	3794	4144	3978	4.42	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:00:06	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1443794	1417719	1441670	1434394	1.01	cps
Antimony	121-1	373619	380292	379949	377954	0.99	cps
Arsenic	75-2	30742	30475	30027	30415	1.19	cps
Barium	135-1	1934076	1963903	2029110	1975697	2.46	cps
Barium	137-1	3375976	3436557	3468875	3427136	1.38	cps
Beryllium	9-1	21775	22163	22400	22113	1.43	cps
Bismuth	209-1	3369088	3422408	3411482	3400993	0.83	cps
Bismuth	209-2	2736905	2781607	2747767	2755426	0.85	cps
Bromine	81-1	6645	6735	6548	6643	1.41	cps
Bromine	81-2	127	117	150	131	13.04	cps
Cadmium	108-1	3190	2967	3067	3075	3.64	cps
Cadmium	106-1	5755	5411	6065	5743	5.69	cps
Cadmium	111-1	47209	47898	47800	47636	0.78	cps
Calcium	43-1	79380	82292	82047	81239	1.99	cps
Calcium	44-1	1259820	1292394	1298549	1283588	1.62	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	398825	398233	399533	398864	0.16	cps
Cobalt	59-2	1419116	1401640	1399347	1406701	0.77	cps
Copper	63-2	607847	605251	601520	604873	0.53	cps
Dysprosium	156-1	8806	9080	8913	8933	1.54	cps
Dysprosium	156-2	7619	7485	7639	7581	1.10	cps
Erbium	164-1	7225	7412	7395	7344	1.41	cps
Erbium	164-2	5068	5164	5184	5139	1.21	cps
Gadolinium	160-1	8186	8266	8673	8375	3.12	cps
Gadolinium	160-2	6475	6562	6041	6359	4.38	cps
Holmium	165-1	5661311	5744654	5641218	5682394	0.97	cps
Holmium	165-2	3950178	3998941	3936738	3961952	0.83	cps
Indium	115-1	4945621	4977136	4941850	4954869	0.39	cps
Indium	115-2	1779173	1793927	1766073	1779725	0.78	cps
Iron	56-2	45490459	45478283	46049778	45672840	0.71	cps
Iron	57-2	1151419	1147455	1155616	1151497	0.35	cps
Iron	54-2	2560683	2542533	2492285	2531834	1.40	cps
Krypton	83-1	210	227	263	233	11.69	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:00:06	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	193911	199407	201583	198300	1.99	cps
Lead	207-1	178468	179027	180071	179189	0.45	cps
Lead	208-1	790327	798936	809463	799575	1.20	cps
Lithium	6-1	456490	468007	464264	462920	1.27	cps
Magnesium	24-2	797265	797688	805152	800035	0.55	cps
Manganese	55-2	1619860	1583314	1611736	1604970	1.20	cps
Molybdenum	94-1	6248	6488	6532	6423	2.38	cps
Molybdenum	95-1	1193	1067	1070	1110	6.50	cps
Molybdenum	96-1	2594	2747	2627	2656	3.04	cps
Molybdenum	97-1	600	710	753	688	11.49	cps
Molybdenum	98-1	1593	1760	1733	1696	5.28	cps
Neodymium	150-1	15579	16013	16079	15890	1.71	cps
Neodymium	150-2	9497	9587	9176	9420	2.29	cps
Nickel	60-2	358659	360630	359720	359670	0.27	cps
Phosphorus	31-2	4741	4877	4857	4825	1.53	cps
Potassium	39-2	692760	689682	692932	691791	0.26	cps
Rhodium	103-1	4862193	4886932	4794066	4847730	0.99	cps
Rhodium	103-2	3032513	2929138	2970474	2977375	1.75	cps
Scandium	45-1	3158195	3184415	3221608	3188073	1.00	cps
Scandium	45-2	300679	300403	302752	301278	0.43	cps
Selenium	82-1	7096	7151	6878	7041	2.05	cps
Selenium	77-2	753	657	717	709	6.88	cps
Selenium	78-2	2687	2844	2424	2651	8.01	cps
Silicon	28-1	4682105	4892577	4781375	4785352	2.20	cps
Silver	107-1	166652	171912	172712	170425	1.93	cps
Silver	109-1	158018	160959	162639	160539	1.46	cps
Sodium	23-2	61194	61057	61874	61375	0.71	cps
Strontium	86-1	41204	42481	41702	41796	1.54	cps
Strontium	88-1	358564	366192	367933	364229	1.37	cps
Sulfur	34-1	190509	194022	190343	191625	1.08	cps
Terbium	159-1	5854650	5790170	5819631	5821483	0.55	cps
Terbium	159-2	3929012	3933406	3923154	3928524	0.13	cps
Thallium	203-1	132928	136703	135416	135015	1.42	cps
Thallium	205-1	313195	317135	318573	316301	0.88	cps
Tin	118-1	4131	4251	4017	4133	2.82	cps
Titanium	47-1	180686	184482	188348	184505	2.08	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB51SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:00:06	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2457	2484	2437	2459	0.95	cps
Vanadium	51-2	889317	888989	887539	888615	0.11	cps
Yttrium	89-1	9031960	9184449	9169418	9128609	0.92	cps
Yttrium	89-2	2382749	2362258	2373962	2372990	0.43	cps
Zinc	66-2	246330	242665	246629	245208	0.90	cps
Zirconium	90-1	15024	15825	15879	15576	3.07	cps
Zirconium	91-1	3577	3524	3457	3519	1.71	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10A	Instrumnet Name :	P7
Client Sample ID :	MYDB51ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 20:06:33	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5646132	5566412	5615968	5609504	0.72	cps
Antimony	121-1	13426	13763	14047	13746	2.26	cps
Arsenic	75-2	278180	278096	280308	278861	0.45	cps
Barium	135-1	492873	497824	503142	497946	1.03	cps
Barium	137-1	837909	860920	860854	853228	1.55	cps
Beryllium	9-1	947	843	930	907	6.12	cps
Bismuth	209-1	3525719	3536313	3221136	3427722	5.22	cps
Bismuth	209-2	2842753	2761836	2777715	2794101	1.53	cps
Bromine	81-1	8016	8446	8406	8289	2.87	cps
Bromine	81-2	497	510	480	496	3.03	cps
Cadmium	108-1	367	393	440	400	9.28	cps
Cadmium	106-1	1990	2190	1987	2056	5.67	cps
Cadmium	111-1	5480	5565	5520	5522	0.77	cps
Calcium	43-1	364373	370125	373794	369431	1.29	cps
Calcium	44-1	5795796	5851220	5823231	5823416	0.48	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	136138	135980	135660	135926	0.18	cps
Cobalt	59-2	128000	126777	129877	128218	1.22	cps
Copper	63-2	634410	634841	635428	634893	0.08	cps
Dysprosium	156-1	38783	39482	40368	39544	2.01	cps
Dysprosium	156-2	33620	32905	33129	33218	1.10	cps
Erbium	164-1	32548	33229	33223	33000	1.19	cps
Erbium	164-2	22234	22224	22722	22394	1.27	cps
Gadolinium	160-1	37724	38202	39917	38614	2.99	cps
Gadolinium	160-2	28011	27928	27624	27854	0.73	cps
Holmium	165-1	5808954	5827959	5292327	5643080	5.39	cps
Holmium	165-2	4157164	4001533	4022160	4060286	2.08	cps
Indium	115-1	5115260	5136776	4648054	4966697	5.56	cps
Indium	115-2	1820383	1762240	1807834	1796819	1.70	cps
Iron	56-2	197363737	197764584	197963830	197697384	0.15	cps
Iron	57-2	4975546	4909563	4922383	4935831	0.71	cps
Iron	54-2	10934085	10835672	10982523	10917427	0.69	cps
Krypton	83-1	327	257	307	297	12.15	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10A	Instrumnet Name :	P7
Client Sample ID :	MYDB51ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 20:06:33	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2154282	2168119	2181453	2167951	0.63	cps
Lead	207-1	1960864	1984749	1968029	1971214	0.62	cps
Lead	208-1	8765998	8791792	8852891	8803560	0.51	cps
Lithium	6-1	466544	461986	410908	446479	6.92	cps
Magnesium	24-2	3559771	3532912	3564547	3552410	0.48	cps
Manganese	55-2	4212360	4203135	4297375	4237623	1.23	cps
Molybdenum	94-1	28648	30041	30088	29592	2.76	cps
Molybdenum	95-1	3954	4097	4171	4074	2.71	cps
Molybdenum	96-1	10177	10587	10417	10394	1.98	cps
Molybdenum	97-1	2517	2380	2504	2467	3.06	cps
Molybdenum	98-1	6138	6171	6338	6216	1.72	cps
Neodymium	150-1	70468	72586	74358	72471	2.69	cps
Neodymium	150-2	41949	41772	41324	41681	0.77	cps
Nickel	60-2	44536	44075	44630	44413	0.67	cps
Phosphorus	31-2	21088	21819	22036	21648	2.29	cps
Potassium	39-2	2723789	2704664	2722979	2717144	0.40	cps
Rhodium	103-1	4998500	4976218	4571665	4848795	4.96	cps
Rhodium	103-2	3110220	2983597	2995949	3029922	2.30	cps
Scandium	45-1	3407868	3388992	3047204	3281355	6.19	cps
Scandium	45-2	329899	323742	320757	324799	1.44	cps
Selenium	82-1	467	621	569	552	14.17	cps
Selenium	77-2	180	143	163	162	11.31	cps
Selenium	78-2	507	637	627	590	12.26	cps
Silicon	28-1	22510281	23133379	23184347	22942669	1.64	cps
Silver	107-1	17294	18569	17858	17907	3.57	cps
Silver	109-1	15906	16413	17043	16454	3.46	cps
Sodium	23-2	135584	136112	137689	136462	0.80	cps
Strontium	86-1	187701	192564	194314	191526	1.79	cps
Strontium	88-1	1693246	1724566	1763063	1726958	2.02	cps
Sulfur	34-1	283278	283469	282578	283108	0.17	cps
Terbium	159-1	5996285	6088085	5534502	5872957	5.05	cps
Terbium	159-2	4101066	4065727	4024155	4063649	0.95	cps
Thallium	203-1	11518	11478	12112	11703	3.03	cps
Thallium	205-1	26215	27217	28019	27151	3.33	cps
Tin	118-1	15709	15375	16012	15699	2.03	cps
Titanium	47-1	868167	883104	896494	882588	1.61	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4314-10A	Instrumnet Name :	P7
Client Sample ID :	MYDB51ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 20:06:33	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9800	10247	10538	10195	3.64	cps
Vanadium	51-2	335958	336406	338165	336843	0.35	cps
Yttrium	89-1	9861064	9954800	8910527	9575463	6.03	cps
Yttrium	89-2	2634957	2591089	2553399	2593148	1.57	cps
Zinc	66-2	393268	390041	392602	391970	0.43	cps
Zirconium	90-1	73526	75470	76364	75120	1.93	cps
Zirconium	91-1	17077	16486	17607	17057	3.29	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:09:39	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1714133	1710870	1728437	1717813	0.54	cps
Antimony	121-1	1007	1020	1023	1017	0.87	cps
Arsenic	75-2	4304	4584	4521	4470	3.29	cps
Barium	135-1	132119	134697	134583	133800	1.09	cps
Barium	137-1	226145	235987	239076	233736	2.89	cps
Beryllium	9-1	307	327	297	310	4.93	cps
Bismuth	209-1	3330232	3322677	3294435	3315782	0.57	cps
Bismuth	209-2	2754967	2735425	2799855	2763416	1.20	cps
Bromine	81-1	6305	6255	6598	6386	2.91	cps
Bromine	81-2	127	160	150	146	11.75	cps
Cadmium	108-1	37	23	20	27	33.08	cps
Cadmium	106-1	1443	1480	1503	1476	2.05	cps
Cadmium	111-1	1101	1110	1192	1134	4.40	cps
Calcium	43-1	73594	74975	76331	74967	1.83	cps
Calcium	44-1	1223137	1169269	1217974	1203460	2.47	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	31586	31740	31289	31539	0.73	cps
Cobalt	59-2	36855	37313	37330	37166	0.72	cps
Copper	63-2	60351	60810	60800	60653	0.43	cps
Dysprosium	156-1	12632	13120	12923	12892	1.90	cps
Dysprosium	156-2	10878	10668	11044	10863	1.74	cps
Erbium	164-1	10591	11185	10901	10892	2.73	cps
Erbium	164-2	7609	7292	7402	7434	2.16	cps
Gadolinium	160-1	12619	12836	12933	12796	1.26	cps
Gadolinium	160-2	9347	9210	9213	9256	0.84	cps
Holmium	165-1	5607248	5669679	5524934	5600620	1.30	cps
Holmium	165-2	3953190	3975951	4002201	3977114	0.62	cps
Indium	115-1	5009907	5015511	4850485	4958634	1.89	cps
Indium	115-2	1812179	1789440	1763233	1788284	1.37	cps
Iron	56-2	51768656	51625114	51858283	51750684	0.23	cps
Iron	57-2	1310544	1317265	1309881	1312564	0.31	cps
Iron	54-2	2849410	2874359	2857990	2860587	0.44	cps
Krypton	83-1	290	227	237	251	13.56	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:09:39	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	22205	22045	23217	22489	2.83	cps
Lead	207-1	18106	19107	19147	18786	3.14	cps
Lead	208-1	84676	85243	87625	85848	1.82	cps
Lithium	6-1	438348	433150	439219	436906	0.75	cps
Magnesium	24-2	1068950	1068440	1072278	1069889	0.19	cps
Manganese	55-2	716425	715036	718397	716619	0.24	cps
Molybdenum	94-1	10554	10517	10441	10504	0.55	cps
Molybdenum	95-1	1094	843	833	923	15.97	cps
Molybdenum	96-1	3655	3084	3030	3256	10.63	cps
Molybdenum	97-1	907	487	417	603	43.94	cps
Molybdenum	98-1	1917	1107	1123	1383	33.52	cps
Neodymium	150-1	22578	23363	24074	23338	3.21	cps
Neodymium	150-2	13707	13523	14154	13795	2.35	cps
Nickel	60-2	10874	10544	10497	10638	1.93	cps
Phosphorus	31-2	4247	4251	4051	4183	2.74	cps
Potassium	39-2	362108	363586	363378	363024	0.22	cps
Rhodium	103-1	4750046	5024590	4882966	4885867	2.81	cps
Rhodium	103-2	3038443	2962649	3006792	3002628	1.27	cps
Scandium	45-1	3081580	3131849	3166071	3126500	1.36	cps
Scandium	45-2	300371	298706	302692	300590	0.67	cps
Selenium	82-1	303	414	379	365	15.62	cps
Selenium	77-2	50	57	57	54	7.07	cps
Selenium	78-2	377	370	463	403	12.91	cps
Silicon	28-1	4848768	5016925	4897203	4920966	1.76	cps
Silver	107-1	560	513	523	532	4.62	cps
Silver	109-1	533	460	413	469	12.90	cps
Sodium	23-2	68036	66580	67848	67488	1.17	cps
Strontium	86-1	44260	45988	45199	45149	1.92	cps
Strontium	88-1	382376	389005	392256	387879	1.30	cps
Sulfur	34-1	152563	152762	150280	151868	0.91	cps
Terbium	159-1	5767562	6090733	5981770	5946688	2.76	cps
Terbium	159-2	3877300	3889242	3932298	3899614	0.74	cps
Thallium	203-1	857	780	790	809	5.15	cps
Thallium	205-1	2004	1797	1697	1832	8.54	cps
Tin	118-1	3901	4294	4578	4257	7.99	cps
Titanium	47-1	172206	179897	177933	176679	2.26	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:09:39	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2697	2810	3127	2878	7.75	cps
Vanadium	51-2	89664	88200	88293	88719	0.92	cps
Yttrium	89-1	9045002	9070840	9137320	9084387	0.52	cps
Yttrium	89-2	2401920	2362372	2403436	2389243	0.97	cps
Zinc	66-2	19276	19593	20087	19652	2.08	cps
Zirconium	90-1	26601	28117	27967	27562	3.03	cps
Zirconium	91-1	6168	6305	6031	6168	2.22	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-17DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:12:54	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1766826	1763354	1754586	1761589	0.36	cps
Antimony	121-1	1197	1210	1250	1219	2.28	cps
Arsenic	75-2	4661	4547	4464	4557	2.17	cps
Barium	135-1	132113	134213	136200	134175	1.52	cps
Barium	137-1	232761	238692	244273	238575	2.41	cps
Beryllium	9-1	320	240	330	297	16.63	cps
Bismuth	209-1	3311834	3357371	3332771	3333992	0.68	cps
Bismuth	209-2	2782856	2738474	2809245	2776858	1.29	cps
Bromine	81-1	6568	7259	6682	6836	5.42	cps
Bromine	81-2	117	103	133	118	12.77	cps
Cadmium	108-1	33	50	43	42	19.87	cps
Cadmium	106-1	1433	1507	1513	1485	2.99	cps
Cadmium	111-1	1103	1140	1172	1139	3.03	cps
Calcium	43-1	74147	76026	76478	75550	1.64	cps
Calcium	44-1	1180048	1209968	1213596	1201204	1.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	34119	34252	34640	34337	0.79	cps
Cobalt	59-2	37697	38700	38222	38206	1.31	cps
Copper	63-2	62289	63183	63196	62889	0.83	cps
Dysprosium	156-1	12976	13377	13437	13263	1.89	cps
Dysprosium	156-2	10951	11251	11411	11205	2.09	cps
Erbium	164-1	10814	10934	10711	10820	1.03	cps
Erbium	164-2	7719	7839	7602	7720	1.53	cps
Gadolinium	160-1	12803	13303	13090	13065	1.92	cps
Gadolinium	160-2	9603	9790	9573	9656	1.22	cps
Holmium	165-1	5637673	5713905	5609574	5653717	0.95	cps
Holmium	165-2	3984948	3954028	3995052	3978010	0.54	cps
Indium	115-1	4956480	4971757	4981515	4969917	0.25	cps
Indium	115-2	1762921	1777330	1787561	1775938	0.70	cps
Iron	56-2	52954621	52783904	52772344	52836956	0.19	cps
Iron	57-2	1336437	1340094	1346981	1341171	0.40	cps
Iron	54-2	2912590	2987924	2937067	2945861	1.30	cps
Krypton	83-1	223	227	223	224	0.86	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-17DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:12:54	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	22552	22726	22449	22575	0.62	cps
Lead	207-1	18312	18603	20048	18988	4.90	cps
Lead	208-1	84836	86748	87418	86334	1.55	cps
Lithium	6-1	426373	439934	435460	433922	1.59	cps
Magnesium	24-2	1098610	1089151	1090811	1092857	0.46	cps
Manganese	55-2	734813	737544	739895	737417	0.34	cps
Molybdenum	94-1	10350	10944	10817	10704	2.92	cps
Molybdenum	95-1	843	1027	1037	969	11.23	cps
Molybdenum	96-1	3187	3187	3334	3236	2.62	cps
Molybdenum	97-1	550	573	690	604	12.41	cps
Molybdenum	98-1	1190	1367	1580	1379	14.16	cps
Neodymium	150-1	23333	23977	23740	23683	1.38	cps
Neodymium	150-2	14057	14044	14464	14188	1.68	cps
Nickel	60-2	10844	11131	10897	10957	1.39	cps
Phosphorus	31-2	4297	4207	4257	4254	1.06	cps
Potassium	39-2	370263	370415	368061	369580	0.36	cps
Rhodium	103-1	4983183	4839051	5056206	4959480	2.23	cps
Rhodium	103-2	2952911	2966982	3000581	2973491	0.82	cps
Scandium	45-1	3179118	3225588	3162147	3188951	1.03	cps
Scandium	45-2	304877	303533	303648	304019	0.24	cps
Selenium	82-1	335	340	363	346	4.36	cps
Selenium	77-2	23	60	33	39	48.75	cps
Selenium	78-2	490	390	463	448	11.56	cps
Silicon	28-1	4679719	4700783	4818851	4733118	1.58	cps
Silver	107-1	367	390	373	377	3.19	cps
Silver	109-1	337	377	400	371	8.63	cps
Sodium	23-2	66007	66536	65214	65919	1.01	cps
Strontium	86-1	46095	45467	47777	46446	2.57	cps
Strontium	88-1	387426	406369	402041	398612	2.49	cps
Sulfur	34-1	158185	156465	156330	156993	0.66	cps
Terbium	159-1	6056578	5797849	6117678	5990702	2.83	cps
Terbium	159-2	3953985	3940128	3985043	3959719	0.58	cps
Thallium	203-1	630	640	673	648	3.50	cps
Thallium	205-1	1360	1373	1427	1387	2.54	cps
Tin	118-1	3974	4204	4197	4125	3.17	cps
Titanium	47-1	178356	180403	187787	182182	2.72	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-17DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:12:54	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2917	3147	3034	3033	3.79	cps
Vanadium	51-2	89544	91090	90157	90264	0.86	cps
Yttrium	89-1	9204549	9114269	9128582	9149133	0.53	cps
Yttrium	89-2	2456532	2412598	2471677	2446936	1.25	cps
Zinc	66-2	29559	30431	29813	29934	1.50	cps
Zirconium	90-1	27940	28762	29246	28649	2.30	cps
Zirconium	91-1	6705	6645	6705	6685	0.52	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDB88L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 20:16:07	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	336764	334101	331423	334096	0.80	cps
Antimony	121-1	273	320	270	288	9.71	cps
Arsenic	75-2	930	997	843	923	8.33	cps
Barium	135-1	25757	26642	26401	26266	1.74	cps
Barium	137-1	45242	44660	45760	45221	1.22	cps
Beryllium	9-1	73	67	97	79	19.97	cps
Bismuth	209-1	3308546	3432336	3314582	3351821	2.08	cps
Bismuth	209-2	2771929	2770202	2826478	2789536	1.15	cps
Bromine	81-1	6575	6582	6328	6495	2.22	cps
Bromine	81-2	93	73	70	79	16.00	cps
Cadmium	108-1	7	13	10	10	33.30	cps
Cadmium	106-1	1440	1217	1330	1329	8.40	cps
Cadmium	111-1	1047	879	954	960	8.75	cps
Calcium	43-1	14737	14971	15571	15093	2.85	cps
Calcium	44-1	252290	258119	260578	256996	1.66	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6925	6658	6738	6774	2.02	cps
Cobalt	59-2	7762	7402	7309	7491	3.20	cps
Copper	63-2	13153	13883	13226	13421	3.00	cps
Dysprosium	156-1	2817	2660	2634	2704	3.66	cps
Dysprosium	156-2	2110	2247	2264	2207	3.81	cps
Erbium	164-1	1883	2030	2104	2006	5.59	cps
Erbium	164-2	1557	1507	1450	1505	3.55	cps
Gadolinium	160-1	2304	2427	2624	2451	6.59	cps
Gadolinium	160-2	2000	2010	2054	2021	1.40	cps
Holmium	165-1	5624081	5616818	5643010	5627969	0.24	cps
Holmium	165-2	3943105	3926349	3990782	3953412	0.85	cps
Indium	115-1	5000389	5104094	4980114	5028199	1.32	cps
Indium	115-2	1802781	1774786	1769973	1782513	0.99	cps
Iron	56-2	10241348	10282719	10197953	10240674	0.41	cps
Iron	57-2	258841	260745	258901	259495	0.42	cps
Iron	54-2	580377	581010	578111	579833	0.26	cps
Krypton	83-1	190	267	210	222	17.90	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDB88L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 20:16:07	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4654	4874	4567	4699	3.37	cps
Lead	207-1	3884	4011	4037	3977	2.06	cps
Lead	208-1	18011	18125	18078	18071	0.32	cps
Lithium	6-1	440326	447285	452993	446868	1.42	cps
Magnesium	24-2	212874	212554	209539	211655	0.87	cps
Manganese	55-2	143147	141831	141276	142085	0.68	cps
Molybdenum	94-1	2374	2297	2280	2317	2.15	cps
Molybdenum	95-1	507	467	507	493	4.68	cps
Molybdenum	96-1	957	970	970	966	0.80	cps
Molybdenum	97-1	307	263	290	287	7.62	cps
Molybdenum	98-1	653	777	680	703	9.23	cps
Neodymium	150-1	4674	4708	4437	4606	3.20	cps
Neodymium	150-2	2857	2740	2544	2714	5.84	cps
Nickel	60-2	2420	2330	2210	2320	4.54	cps
Phosphorus	31-2	877	937	887	900	3.57	cps
Potassium	39-2	140579	139442	139310	139777	0.50	cps
Rhodium	103-1	4883598	4863825	4912565	4886663	0.50	cps
Rhodium	103-2	2986615	3006336	3005897	2999616	0.38	cps
Scandium	45-1	3095763	3106231	3174563	3125519	1.37	cps
Scandium	45-2	299976	296747	294329	297017	0.95	cps
Selenium	82-1	336	270	365	324	15.01	cps
Selenium	77-2	7	13	13	11	34.61	cps
Selenium	78-2	390	340	360	363	6.93	cps
Silicon	28-1	1262350	1254281	1247456	1254696	0.59	cps
Silver	107-1	220	157	193	190	16.73	cps
Silver	109-1	150	157	170	159	6.41	cps
Sodium	23-2	46641	46761	45233	46211	1.84	cps
Strontium	86-1	9310	9386	9677	9458	2.05	cps
Strontium	88-1	79782	80727	80871	80460	0.74	cps
Sulfur	34-1	157357	155754	154966	156026	0.78	cps
Terbium	159-1	5773439	5889012	5822485	5828312	1.00	cps
Terbium	159-2	3941255	3932655	3928298	3934069	0.17	cps
Thallium	203-1	343	337	330	337	1.98	cps
Thallium	205-1	737	770	820	776	5.41	cps
Tin	118-1	1643	1867	1957	1822	8.85	cps
Titanium	47-1	33524	34917	34903	34448	2.32	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDB88L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 20:16:07	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	620	697	683	667	6.14	cps
Vanadium	51-2	17590	17006	17307	17301	1.69	cps
Yttrium	89-1	8928719	9020891	8998753	8982788	0.54	cps
Yttrium	89-2	2417799	2386482	2385423	2396568	0.77	cps
Zinc	66-2	4247	4394	4281	4307	1.79	cps
Zirconium	90-1	5671	5861	5454	5662	3.60	cps
Zirconium	91-1	1167	1220	1333	1240	6.86	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-18DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:19:23	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1752795	1728019	1711932	1730916	1.19	cps
Antimony	121-1	95777	100713	99794	98761	2.66	cps
Arsenic	75-2	6832	6845	6982	6886	1.21	cps
Barium	135-1	550240	569064	557396	558900	1.70	cps
Barium	137-1	947069	968257	1009364	974896	3.25	cps
Beryllium	9-1	5454	5511	5568	5511	1.03	cps
Bismuth	209-1	3267547	3509195	3293811	3356851	3.95	cps
Bismuth	209-2	2741013	2752902	2713052	2735656	0.75	cps
Bromine	81-1	6768	6688	7115	6857	3.31	cps
Bromine	81-2	140	123	103	122	15.02	cps
Cadmium	108-1	757	860	853	823	7.02	cps
Cadmium	106-1	2567	2560	2500	2542	1.44	cps
Cadmium	111-1	12535	13849	13261	13215	4.98	cps
Calcium	43-1	74763	78384	76130	76426	2.39	cps
Calcium	44-1	1170716	1253446	1207118	1210427	3.43	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	124835	123925	123790	124183	0.46	cps
Cobalt	59-2	380242	379884	377162	379096	0.44	cps
Copper	63-2	178242	177641	180144	178676	0.73	cps
Dysprosium	156-1	12189	12983	12442	12538	3.23	cps
Dysprosium	156-2	10981	10791	10904	10892	0.88	cps
Erbium	164-1	10337	10691	10651	10560	1.83	cps
Erbium	164-2	7209	7319	7185	7238	0.98	cps
Gadolinium	160-1	12372	12102	13176	12550	4.45	cps
Gadolinium	160-2	8976	9493	9196	9222	2.81	cps
Holmium	165-1	5499656	5484825	5576271	5520251	0.89	cps
Holmium	165-2	3873449	3885001	3919581	3892677	0.62	cps
Indium	115-1	4949214	4955697	4900993	4935301	0.61	cps
Indium	115-2	1819494	1806311	1795088	1806964	0.68	cps
Iron	56-2	51829771	51577026	51576121	51660973	0.28	cps
Iron	57-2	1313090	1303334	1308285	1308236	0.37	cps
Iron	54-2	2895871	2897407	2844268	2879182	1.05	cps
Krypton	83-1	247	240	207	231	9.27	cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-18DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:19:23	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	32459	33267	32950	32892	1.24	cps
Lead	207-1	27481	27388	28299	27723	1.81	cps
Lead	208-1	125544	129277	128462	127761	1.54	cps
Lithium	6-1	427883	449069	435703	437552	2.45	cps
Magnesium	24-2	1060164	1056051	1052557	1056257	0.36	cps
Manganese	55-2	877593	878790	872081	876155	0.41	cps
Molybdenum	94-1	10137	10761	10827	10575	3.60	cps
Molybdenum	95-1	733	797	757	762	4.20	cps
Molybdenum	96-1	2804	3047	2970	2940	4.23	cps
Molybdenum	97-1	470	450	453	458	2.34	cps
Molybdenum	98-1	1107	1163	1170	1147	3.03	cps
Neodymium	150-1	21964	24211	23076	23083	4.87	cps
Neodymium	150-2	13550	13540	13697	13596	0.65	cps
Nickel	60-2	99595	97900	97521	98339	1.12	cps
Phosphorus	31-2	4221	4087	4044	4117	2.24	cps
Potassium	39-2	361148	361191	360446	360929	0.12	cps
Rhodium	103-1	4788767	4874141	4842701	4835203	0.89	cps
Rhodium	103-2	2989721	3019828	2986317	2998622	0.62	cps
Scandium	45-1	3108796	3198611	3111010	3139472	1.63	cps
Scandium	45-2	302009	298687	300106	300268	0.56	cps
Selenium	82-1	2125	2133	2098	2119	0.86	cps
Selenium	77-2	280	210	207	232	17.83	cps
Selenium	78-2	1097	1083	1103	1094	0.93	cps
Silicon	28-1	4666107	4712235	4707876	4695406	0.54	cps
Silver	107-1	46695	49076	47601	47791	2.51	cps
Silver	109-1	43756	44448	47645	45283	4.58	cps
Sodium	23-2	66459	66285	67105	66617	0.65	cps
Strontium	86-1	43310	44537	44995	44281	1.97	cps
Strontium	88-1	377336	390564	392770	386890	2.16	cps
Sulfur	34-1	152162	150893	150418	151158	0.60	cps
Terbium	159-1	5711306	5763525	5866780	5780537	1.37	cps
Terbium	159-2	3868344	3897974	3929932	3898750	0.79	cps
Thallium	203-1	34063	33638	35259	34320	2.45	cps
Thallium	205-1	80077	84064	82699	82280	2.46	cps
Tin	118-1	8443	8756	8819	8673	2.33	cps
Titanium	47-1	169928	173337	173624	172296	1.19	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-18DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:19:23	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2917	2914	3177	3003	5.03	cps
Vanadium	51-2	292217	289513	289894	290542	0.50	cps
Yttrium	89-1	8931425	9663516	9045034	9213325	4.28	cps
Yttrium	89-2	2420048	2411001	2432454	2421168	0.44	cps
Zinc	66-2	71859	70954	70880	71231	0.76	cps
Zirconium	90-1	26895	27903	27616	27471	1.89	cps
Zirconium	91-1	5961	6241	6261	6155	2.73	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:22:36	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1823014	1847867	1815933	1828938	0.92	cps
Antimony	121-1	404931	413398	420301	412877	1.86	cps
Arsenic	75-2	15191	15335	14968	15165	1.22	cps
Barium	135-1	2145748	2178909	2219488	2181382	1.69	cps
Barium	137-1	3659500	3767194	3776222	3734305	1.74	cps
Beryllium	9-1	22289	23127	23034	22817	2.01	cps
Bismuth	209-1	3295830	3335019	3362095	3330981	1.00	cps
Bismuth	209-2	2761024	2737215	2735446	2744562	0.52	cps
Bromine	81-1	6348	6381	6768	6499	3.59	cps
Bromine	81-2	117	133	110	120	10.02	cps
Cadmium	108-1	3287	3527	3387	3400	3.55	cps
Cadmium	106-1	5745	6018	6205	5989	3.86	cps
Cadmium	111-1	50000	50813	52119	50978	2.10	cps
Calcium	43-1	70647	72727	72315	71896	1.53	cps
Calcium	44-1	1162428	1195296	1199770	1185831	1.72	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	435689	433798	433800	434429	0.25	cps
Cobalt	59-2	1579538	1584569	1571796	1578634	0.41	cps
Copper	63-2	567171	568641	566348	567387	0.20	cps
Dysprosium	156-1	12142	12759	12519	12473	2.49	cps
Dysprosium	156-2	10671	10571	10561	10601	0.57	cps
Erbium	164-1	10277	10257	10567	10367	1.67	cps
Erbium	164-2	7199	7102	7065	7122	0.97	cps
Gadolinium	160-1	11838	12162	12105	12035	1.44	cps
Gadolinium	160-2	8993	8779	9016	8930	1.46	cps
Holmium	165-1	5513668	5689810	5533055	5578844	1.73	cps
Holmium	165-2	3964189	3934756	3899985	3932976	0.82	cps
Indium	115-1	4960615	5002192	4969507	4977438	0.44	cps
Indium	115-2	1762775	1773977	1773688	1770147	0.36	cps
Iron	56-2	51952894	51454429	51396853	51601392	0.59	cps
Iron	57-2	1312849	1302702	1303758	1306436	0.43	cps
Iron	54-2	2895901	2863589	2907083	2888857	0.78	cps
Krypton	83-1	217	273	247	246	11.55	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:22:36	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	66857	68374	68294	67842	1.26	cps
Lead	207-1	56055	58338	58636	57676	2.45	cps
Lead	208-1	261088	270263	266687	266013	1.74	cps
Lithium	6-1	440472	439405	440928	440268	0.18	cps
Magnesium	24-2	1026795	1030274	1026332	1027801	0.21	cps
Manganese	55-2	1404201	1399807	1393252	1399087	0.39	cps
Molybdenum	94-1	10137	10250	10477	10288	1.68	cps
Molybdenum	95-1	770	703	833	769	8.45	cps
Molybdenum	96-1	3000	2860	3004	2955	2.77	cps
Molybdenum	97-1	417	503	457	459	9.45	cps
Molybdenum	98-1	1167	1170	1203	1180	1.72	cps
Neodymium	150-1	22121	22421	22782	22441	1.47	cps
Neodymium	150-2	13103	13353	13457	13304	1.37	cps
Nickel	60-2	391444	391947	392453	391948	0.13	cps
Phosphorus	31-2	3901	4007	4017	3975	1.63	cps
Potassium	39-2	349121	350423	351125	350223	0.29	cps
Rhodium	103-1	4755555	4897160	4879861	4844192	1.59	cps
Rhodium	103-2	2959245	2990440	2961087	2970257	0.59	cps
Scandium	45-1	3112159	3185718	3120567	3139482	1.28	cps
Scandium	45-2	303813	301796	303497	303035	0.36	cps
Selenium	82-1	6687	6700	6848	6745	1.32	cps
Selenium	77-2	753	620	647	673	10.48	cps
Selenium	78-2	2624	2764	2734	2707	2.72	cps
Silicon	28-1	4516202	4580089	4637816	4578035	1.33	cps
Silver	107-1	159096	162773	164357	162075	1.67	cps
Silver	109-1	151647	153531	154815	153331	1.04	cps
Sodium	23-2	61747	61874	62228	61950	0.40	cps
Strontium	86-1	42060	43474	42976	42837	1.67	cps
Strontium	88-1	367985	379186	380117	375763	1.80	cps
Sulfur	34-1	148096	147830	146962	147629	0.40	cps
Terbium	159-1	5785907	5773402	5822316	5793875	0.44	cps
Terbium	159-2	3932974	3909127	3890313	3910805	0.55	cps
Thallium	203-1	144700	147565	147234	146499	1.07	cps
Thallium	205-1	337307	347334	347746	344129	1.72	cps
Tin	118-1	3597	3881	3854	3777	4.14	cps
Titanium	47-1	165040	168342	170981	168121	1.77	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB88SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:22:36	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2647	2717	2574	2646	2.71	cps
Vanadium	51-2	976205	970555	975695	974152	0.32	cps
Yttrium	89-1	8968806	9205299	9249689	9141265	1.65	cps
Yttrium	89-2	2384119	2410968	2419119	2404735	0.76	cps
Zinc	66-2	190520	188963	190284	189922	0.44	cps
Zirconium	90-1	26016	26240	26888	26382	1.72	cps
Zirconium	91-1	5838	6005	6165	6002	2.72	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16A	Instrumnet Name :	P7
Client Sample ID :	MYDB88ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 20:25:47	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7049589	7144384	7179096	7124356	0.94	cps
Antimony	121-1	3240	3320	3407	3323	2.51	cps
Arsenic	75-2	18922	18345	18752	18673	1.59	cps
Barium	135-1	545679	559008	558767	554485	1.38	cps
Barium	137-1	933753	950914	954185	946284	1.16	cps
Beryllium	9-1	1077	1040	1213	1110	8.23	cps
Bismuth	209-1	3392606	3435125	3444469	3424067	0.81	cps
Bismuth	209-2	2789224	2715591	2775925	2760247	1.42	cps
Bromine	81-1	7409	7195	7692	7432	3.35	cps
Bromine	81-2	347	447	357	383	14.37	cps
Cadmium	108-1	113	117	97	109	9.84	cps
Cadmium	106-1	1887	1707	1560	1718	9.53	cps
Cadmium	111-1	1685	1576	1441	1567	7.79	cps
Calcium	43-1	302699	312305	308816	307940	1.58	cps
Calcium	44-1	4807403	5010347	4911792	4909847	2.07	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	129531	129508	129807	129615	0.13	cps
Cobalt	59-2	154870	155875	155904	155550	0.38	cps
Copper	63-2	247360	246375	248200	247312	0.37	cps
Dysprosium	156-1	52002	53752	53227	52994	1.69	cps
Dysprosium	156-2	45136	45213	44718	45022	0.59	cps
Erbium	164-1	44313	46009	45360	45228	1.89	cps
Erbium	164-2	30767	30397	30994	30719	0.98	cps
Gadolinium	160-1	51959	52388	52006	52118	0.45	cps
Gadolinium	160-2	37955	37727	38366	38016	0.85	cps
Holmium	165-1	5773191	5683633	5770561	5742462	0.89	cps
Holmium	165-2	4011446	3992307	3962569	3988774	0.62	cps
Indium	115-1	5144281	5112527	5059843	5105550	0.84	cps
Indium	115-2	1754614	1750276	1762218	1755703	0.34	cps
Iron	56-2	215345903	218961850	217784077	217363943	0.85	cps
Iron	57-2	5341154	5342733	5395927	5359938	0.58	cps
Iron	54-2	11984162	11943848	12016109	11981373	0.30	cps
Krypton	83-1	247	297	340	294	15.86	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16A	Instrumnet Name :	P7
Client Sample ID :	MYDB88ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 20:25:47	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	87707	89824	90878	89470	1.80	cps
Lead	207-1	72637	74158	75267	74021	1.78	cps
Lead	208-1	337319	343618	347457	342798	1.49	cps
Lithium	6-1	437925	434726	429984	434212	0.92	cps
Magnesium	24-2	4395128	4377079	4374671	4382293	0.26	cps
Manganese	55-2	3005974	3020987	2980592	3002517	0.68	cps
Molybdenum	94-1	40316	41733	41298	41115	1.77	cps
Molybdenum	95-1	2477	2610	2827	2638	6.70	cps
Molybdenum	96-1	10741	11351	11194	11095	2.86	cps
Molybdenum	97-1	1660	1787	1667	1705	4.18	cps
Molybdenum	98-1	3957	4037	4254	4083	3.76	cps
Neodymium	150-1	92880	96424	98091	95798	2.78	cps
Neodymium	150-2	56566	56526	55850	56314	0.71	cps
Nickel	60-2	44466	44673	44442	44527	0.29	cps
Phosphorus	31-2	16479	16469	16629	16526	0.54	cps
Potassium	39-2	1183320	1193163	1201782	1192755	0.77	cps
Rhodium	103-1	4887475	4894616	4885282	4889125	0.10	cps
Rhodium	103-2	3002739	2937910	2960227	2966959	1.11	cps
Scandium	45-1	3352583	3335374	3422499	3370152	1.37	cps
Scandium	45-2	322732	322096	321679	322169	0.16	cps
Selenium	82-1	429	481	402	437	9.21	cps
Selenium	77-2	213	233	197	214	8.56	cps
Selenium	78-2	457	540	513	503	8.46	cps
Silicon	28-1	21418245	21399539	21476865	21431549	0.19	cps
Silver	107-1	10390	10410	10110	10304	1.63	cps
Silver	109-1	9330	9356	8966	9217	2.37	cps
Sodium	23-2	134340	137534	136434	136103	1.19	cps
Strontium	86-1	181972	185914	186814	184900	1.39	cps
Strontium	88-1	1671852	1658810	1688492	1673051	0.89	cps
Sulfur	34-1	142187	142780	141430	142132	0.48	cps
Terbium	159-1	5960571	5957754	5988229	5968851	0.28	cps
Terbium	159-2	3951094	3941273	4005528	3965965	0.87	cps
Thallium	203-1	1270	1270	1450	1330	7.81	cps
Thallium	205-1	2907	3230	3030	3056	5.34	cps
Tin	118-1	12442	12949	12622	12671	2.03	cps
Titanium	47-1	733316	750153	758536	747335	1.72	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4316-16A	Instrumnet Name :	P7
Client Sample ID :	MYDB88ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 20:25:47	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11532	11939	11615	11695	1.84	cps
Vanadium	51-2	371789	370241	370654	370895	0.22	cps
Yttrium	89-1	10109864	9998603	10022062	10043510	0.58	cps
Yttrium	89-2	2627377	2626725	2640419	2631507	0.29	cps
Zinc	66-2	82781	82410	80211	81800	1.70	cps
Zirconium	90-1	105684	109055	109727	108156	2.00	cps
Zirconium	91-1	23649	24450	24000	24033	1.67	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:28:55	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1229444	1206069	1216026	1217180	0.96	cps
Antimony	121-1	2380	2510	2360	2417	3.37	cps
Arsenic	75-2	7322	7395	7475	7397	1.04	cps
Barium	135-1	119947	121096	126449	122497	2.83	cps
Barium	137-1	204653	209834	207142	207210	1.25	cps
Beryllium	9-1	163	257	187	202	24.02	cps
Bismuth	209-1	3473335	3355477	3313104	3380639	2.46	cps
Bismuth	209-2	2764624	2739962	2807768	2770785	1.24	cps
Bromine	81-1	7339	7105	7092	7178	1.93	cps
Bromine	81-2	210	210	187	202	6.66	cps
Cadmium	108-1	53	80	53	62	24.75	cps
Cadmium	106-1	1523	1447	1437	1469	3.23	cps
Cadmium	111-1	1769	1637	1655	1687	4.25	cps
Calcium	43-1	118153	121241	119745	119713	1.29	cps
Calcium	44-1	1890616	1854324	1946341	1897093	2.44	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	51785	51588	51909	51761	0.31	cps
Cobalt	59-2	34654	34811	35318	34927	0.99	cps
Copper	63-2	249307	251409	248976	249897	0.53	cps
Dysprosium	156-1	7572	8102	8329	8001	4.86	cps
Dysprosium	156-2	6938	6972	7045	6985	0.78	cps
Erbium	164-1	6632	6718	6942	6764	2.37	cps
Erbium	164-2	4617	4607	4738	4654	1.55	cps
Gadolinium	160-1	7279	7939	7642	7620	4.34	cps
Gadolinium	160-2	5591	5491	5715	5599	2.00	cps
Holmium	165-1	5496568	5630772	5930938	5686092	3.91	cps
Holmium	165-2	3909631	3904560	3992364	3935518	1.25	cps
Indium	115-1	4950317	4927613	5249243	5042391	3.56	cps
Indium	115-2	1771221	1751070	1757364	1759885	0.59	cps
Iron	56-2	42340196	42371264	42019851	42243770	0.46	cps
Iron	57-2	1075897	1078593	1073299	1075930	0.25	cps
Iron	54-2	2369546	2352264	2358045	2359952	0.37	cps
Krypton	83-1	223	277	277	259	11.89	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:28:55	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	163103	164134	172205	166481	2.99	cps
Lead	207-1	135279	137723	140224	137742	1.80	cps
Lead	208-1	634513	652759	646230	644501	1.43	cps
Lithium	6-1	470695	437734	457264	455231	3.64	cps
Magnesium	24-2	948988	961365	952833	954395	0.66	cps
Manganese	55-2	605433	608731	607899	607354	0.28	cps
Molybdenum	94-1	5778	6011	5684	5825	2.89	cps
Molybdenum	95-1	953	843	1017	938	9.35	cps
Molybdenum	96-1	2164	2174	2257	2198	2.33	cps
Molybdenum	97-1	620	547	670	612	10.13	cps
Molybdenum	98-1	1387	1473	1447	1436	3.09	cps
Neodymium	150-1	14488	14484	13954	14308	2.15	cps
Neodymium	150-2	8433	8419	8556	8469	0.89	cps
Nickel	60-2	14641	14601	14841	14694	0.88	cps
Phosphorus	31-2	4327	4517	4341	4395	2.41	cps
Potassium	39-2	707669	709025	705178	707290	0.28	cps
Rhodium	103-1	4688901	4721237	4809997	4740045	1.32	cps
Rhodium	103-2	2980755	2969719	3018126	2989533	0.85	cps
Scandium	45-1	3114023	3120988	3242223	3159078	2.28	cps
Scandium	45-2	298363	296788	300258	298470	0.58	cps
Selenium	82-1	345	346	341	344	0.76	cps
Selenium	77-2	43	30	27	33	26.45	cps
Selenium	78-2	347	423	353	374	11.34	cps
Silicon	28-1	4021025	4110295	4284918	4138746	3.24	cps
Silver	107-1	1553	1483	1513	1517	2.32	cps
Silver	109-1	1347	1403	1480	1410	4.75	cps
Sodium	23-2	114751	115523	116480	115584	0.75	cps
Strontium	86-1	50219	51750	52858	51609	2.57	cps
Strontium	88-1	441247	463808	446773	450609	2.61	cps
Sulfur	34-1	154821	153801	154545	154389	0.34	cps
Terbium	159-1	5699045	5712489	5724356	5711963	0.22	cps
Terbium	159-2	3942400	3887027	3984536	3937987	1.24	cps
Thallium	203-1	610	577	643	610	5.47	cps
Thallium	205-1	1697	1553	1403	1551	9.46	cps
Tin	118-1	39310	40781	40610	40234	2.00	cps
Titanium	47-1	197330	201499	208423	202417	2.77	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:28:55	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2777	2894	2804	2825	2.16	cps
Vanadium	51-2	88447	87847	86825	87706	0.94	cps
Yttrium	89-1	9314376	9052435	8922296	9096369	2.20	cps
Yttrium	89-2	2418826	2401040	2386499	2402121	0.67	cps
Zinc	66-2	54887	55500	54864	55083	0.65	cps
Zirconium	90-1	14641	14831	15485	14986	2.95	cps
Zirconium	91-1	3187	3494	3240	3307	4.96	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-10DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:32:10	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1248947	1205616	1214349	1222971	1.87	cps
Antimony	121-1	2717	2617	2517	2617	3.82	cps
Arsenic	75-2	7015	7462	7369	7282	3.24	cps
Barium	135-1	119331	122326	121341	121000	1.26	cps
Barium	137-1	213420	208369	221733	214507	3.15	cps
Beryllium	9-1	240	223	203	222	8.26	cps
Bismuth	209-1	3318910	3487363	3385176	3397150	2.50	cps
Bismuth	209-2	2825354	2746955	2754759	2775689	1.56	cps
Bromine	81-1	7192	7842	7048	7361	5.75	cps
Bromine	81-2	230	213	257	233	9.37	cps
Cadmium	108-1	57	67	60	61	8.33	cps
Cadmium	106-1	1537	1360	1587	1495	7.97	cps
Cadmium	111-1	1716	1662	1855	1745	5.72	cps
Calcium	43-1	116339	122874	118996	119403	2.75	cps
Calcium	44-1	1833576	1870142	1905168	1869629	1.91	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	51277	51705	50885	51289	0.80	cps
Cobalt	59-2	35605	35061	35836	35501	1.12	cps
Copper	63-2	259906	255062	254920	256629	1.11	cps
Dysprosium	156-1	8019	7906	7956	7960	0.71	cps
Dysprosium	156-2	6642	6712	6738	6697	0.75	cps
Erbium	164-1	6662	6772	6748	6727	0.86	cps
Erbium	164-2	4708	4594	4858	4720	2.80	cps
Gadolinium	160-1	7322	7709	7806	7612	3.36	cps
Gadolinium	160-2	5541	5511	5631	5561	1.12	cps
Holmium	165-1	5716860	5675436	5528746	5640348	1.75	cps
Holmium	165-2	3948538	3904312	4021759	3958203	1.50	cps
Indium	115-1	4981698	5046502	4956548	4994916	0.93	cps
Indium	115-2	1802030	1790912	1771230	1788057	0.87	cps
Iron	56-2	43108399	43301731	42916764	43108965	0.45	cps
Iron	57-2	1094471	1098689	1098735	1097299	0.22	cps
Iron	54-2	2421347	2421377	2414683	2419136	0.16	cps
Krypton	83-1	213	213	243	223	7.76	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-10DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:32:10	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	158134	162611	161321	160689	1.43	cps
Lead	207-1	141280	134138	144088	139836	3.67	cps
Lead	208-1	619536	642356	633165	631686	1.82	cps
Lithium	6-1	425036	455192	432334	437521	3.60	cps
Magnesium	24-2	974813	965882	964324	968340	0.58	cps
Manganese	55-2	617043	616232	614330	615868	0.23	cps
Molybdenum	94-1	5795	5901	5905	5867	1.07	cps
Molybdenum	95-1	1123	1237	1267	1209	6.25	cps
Molybdenum	96-1	2520	2580	2740	2614	4.35	cps
Molybdenum	97-1	763	707	740	737	3.87	cps
Molybdenum	98-1	1703	1780	1893	1792	5.33	cps
Neodymium	150-1	13800	14654	14294	14250	3.01	cps
Neodymium	150-2	8589	8543	8666	8599	0.72	cps
Nickel	60-2	14938	14697	14544	14726	1.35	cps
Phosphorus	31-2	4511	4537	4457	4502	0.91	cps
Potassium	39-2	713190	713220	712992	713134	0.02	cps
Rhodium	103-1	5112086	4794820	5072189	4993032	3.46	cps
Rhodium	103-2	3003581	2994177	3015214	3004324	0.35	cps
Scandium	45-1	3058892	3171284	3151090	3127089	1.92	cps
Scandium	45-2	299565	301257	299834	300218	0.30	cps
Selenium	82-1	350	420	358	376	10.23	cps
Selenium	77-2	20	30	30	27	21.65	cps
Selenium	78-2	357	367	407	377	7.03	cps
Silicon	28-1	3772489	3768263	3807566	3782773	0.57	cps
Silver	107-1	1413	1713	1563	1563	9.60	cps
Silver	109-1	1550	1377	1490	1472	5.98	cps
Sodium	23-2	115543	116251	114895	115563	0.59	cps
Strontium	86-1	54628	52406	53420	53485	2.08	cps
Strontium	88-1	445509	471043	459067	458539	2.79	cps
Sulfur	34-1	158950	157859	158587	158465	0.35	cps
Terbium	159-1	6169333	5724450	6288173	6060652	4.90	cps
Terbium	159-2	3941574	3889674	3999877	3943708	1.40	cps
Thallium	203-1	570	497	677	581	15.58	cps
Thallium	205-1	1263	1377	1417	1352	5.88	cps
Tin	118-1	51408	48792	51856	50686	3.26	cps
Titanium	47-1	205247	201366	205570	204061	1.15	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-10DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:32:10	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2800	2927	2910	2879	2.39	cps
Vanadium	51-2	89480	88260	87964	88568	0.91	cps
Yttrium	89-1	8971724	9281984	8970306	9074671	1.98	cps
Yttrium	89-2	2383189	2425640	2425167	2411332	1.01	cps
Zinc	66-2	56035	55560	55827	55807	0.43	cps
Zirconium	90-1	14107	14541	14424	14357	1.56	cps
Zirconium	91-1	3144	3127	3474	3248	6.02	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBA0L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 20:35:22	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	239432	236866	238285	238194	0.54	cps
Antimony	121-1	507	593	533	544	8.15	cps
Arsenic	75-2	1440	1397	1467	1435	2.46	cps
Barium	135-1	23770	24545	24237	24184	1.61	cps
Barium	137-1	41564	41982	41708	41751	0.51	cps
Beryllium	9-1	47	47	50	48	4.02	cps
Bismuth	209-1	3044546	3392293	3372356	3269732	5.97	cps
Bismuth	209-2	2807684	2891994	2804277	2834652	1.75	cps
Bromine	81-1	6695	6852	6712	6753	1.27	cps
Bromine	81-2	120	120	97	112	12.00	cps
Cadmium	108-1	13	20	23	19	26.96	cps
Cadmium	106-1	1320	1457	1467	1415	5.79	cps
Cadmium	111-1	1071	1106	1167	1115	4.35	cps
Calcium	43-1	24019	24677	23966	24221	1.64	cps
Calcium	44-1	404203	410816	409908	408309	0.88	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	11134	10324	11081	10846	4.18	cps
Cobalt	59-2	6905	6825	6815	6848	0.72	cps
Copper	63-2	50656	51177	49866	50566	1.31	cps
Dysprosium	156-1	1663	1780	1630	1691	4.66	cps
Dysprosium	156-2	1247	1413	1343	1335	6.27	cps
Erbium	164-1	1320	1433	1360	1371	4.19	cps
Erbium	164-2	847	1077	947	957	12.06	cps
Gadolinium	160-1	1487	1447	1533	1489	2.91	cps
Gadolinium	160-2	1210	1137	1120	1156	4.14	cps
Holmium	165-1	5027085	5697759	5761696	5495513	7.40	cps
Holmium	165-2	4008167	4053613	3973148	4011643	1.01	cps
Indium	115-1	4497448	5106832	5034982	4879754	6.82	cps
Indium	115-2	1780298	1785714	1763308	1776440	0.66	cps
Iron	56-2	8304910	8286095	8350007	8313671	0.40	cps
Iron	57-2	214115	213184	214206	213835	0.26	cps
Iron	54-2	474352	473848	474112	474104	0.05	cps
Krypton	83-1	227	260	173	220	19.87	cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBA0L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 20:35:22	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	32251	33124	32856	32744	1.36	cps
Lead	207-1	28016	28189	28604	28270	1.07	cps
Lead	208-1	127636	128739	128983	128453	0.56	cps
Lithium	6-1	409068	455963	459065	441365	6.35	cps
Magnesium	24-2	188885	188002	188291	188392	0.24	cps
Manganese	55-2	120430	121059	120256	120582	0.35	cps
Molybdenum	94-1	1403	1313	1300	1339	4.20	cps
Molybdenum	95-1	313	290	270	291	7.45	cps
Molybdenum	96-1	600	557	643	600	7.22	cps
Molybdenum	97-1	167	147	260	191	31.65	cps
Molybdenum	98-1	423	397	470	430	8.63	cps
Neodymium	150-1	2850	2820	2754	2808	1.76	cps
Neodymium	150-2	1563	1547	1543	1551	0.69	cps
Nickel	60-2	2950	3087	2870	2969	3.69	cps
Phosphorus	31-2	953	1037	913	968	6.50	cps
Potassium	39-2	207454	206105	205491	206350	0.49	cps
Rhodium	103-1	4395900	4970955	5008641	4791832	7.17	cps
Rhodium	103-2	3007792	2995721	2989142	2997552	0.32	cps
Scandium	45-1	2840540	3163072	3164039	3055883	6.10	cps
Scandium	45-2	296744	295854	295470	296023	0.22	cps
Selenium	82-1	347	283	381	337	14.73	cps
Selenium	77-2	3	13	10	9	57.30	cps
Selenium	78-2	380	403	373	386	4.09	cps
Silicon	28-1	1039162	1050553	1048982	1046232	0.59	cps
Silver	107-1	363	327	373	354	6.93	cps
Silver	109-1	283	327	337	316	8.98	cps
Sodium	23-2	55132	54747	53968	54615	1.09	cps
Strontium	86-1	11211	10881	11031	11041	1.50	cps
Strontium	88-1	91110	92351	91707	91723	0.68	cps
Sulfur	34-1	157350	157266	155262	156626	0.75	cps
Terbium	159-1	5268788	5869164	5918341	5685431	6.36	cps
Terbium	159-2	3913559	3994506	3855951	3921339	1.78	cps
Thallium	203-1	317	263	293	291	9.18	cps
Thallium	205-1	680	640	610	643	5.46	cps
Tin	118-1	9006	9296	9393	9232	2.18	cps
Titanium	47-1	40889	41143	41637	41223	0.92	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBA0L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 20:35:22	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	607	623	550	593	6.48	cps
Vanadium	51-2	17560	17193	17093	17282	1.42	cps
Yttrium	89-1	8072946	9055973	8944630	8691183	6.19	cps
Yttrium	89-2	2383124	2352705	2358296	2364708	0.68	cps
Zinc	66-2	11338	11364	10464	11055	4.64	cps
Zirconium	90-1	3280	3547	3380	3403	3.96	cps
Zirconium	91-1	693	773	687	718	6.72	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-11DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:38:40	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1270797	1236818	1250700	1252772	1.36	cps
Antimony	121-1	94448	101344	97954	97915	3.52	cps
Arsenic	75-2	9563	9597	9563	9574	0.20	cps
Barium	135-1	609644	597774	615802	607740	1.51	cps
Barium	137-1	1021226	1036468	1041644	1033113	1.03	cps
Beryllium	9-1	6161	6101	6088	6117	0.64	cps
Bismuth	209-1	3237723	3351585	3526656	3371988	4.32	cps
Bismuth	209-2	2733440	2711616	2737548	2727535	0.51	cps
Bromine	81-1	6782	7255	7559	7198	5.44	cps
Bromine	81-2	200	140	253	198	28.67	cps
Cadmium	108-1	803	803	817	808	0.95	cps
Cadmium	106-1	2454	2564	2364	2460	4.07	cps
Cadmium	111-1	12690	13487	14132	13436	5.38	cps
Calcium	43-1	114881	122164	120685	119243	3.23	cps
Calcium	44-1	1869575	1856323	1964995	1896964	3.13	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	154324	156735	153842	154967	1.00	cps
Cobalt	59-2	418663	417737	419766	418722	0.24	cps
Copper	63-2	379775	384301	378002	380692	0.85	cps
Dysprosium	156-1	7999	7726	7946	7890	1.84	cps
Dysprosium	156-2	6868	6602	6585	6685	2.38	cps
Erbium	164-1	6528	6522	6645	6565	1.06	cps
Erbium	164-2	4651	4447	4711	4603	3.00	cps
Gadolinium	160-1	7092	7629	7542	7421	3.88	cps
Gadolinium	160-2	5421	5461	5558	5480	1.28	cps
Holmium	165-1	5841799	5606905	5559533	5669412	2.67	cps
Holmium	165-2	3949549	3863022	3937939	3916836	1.20	cps
Indium	115-1	5117980	4987799	4917026	5007602	2.04	cps
Indium	115-2	1788492	1764054	1744090	1765546	1.26	cps
Iron	56-2	42840375	42783239	42233871	42619162	0.79	cps
Iron	57-2	1085959	1089988	1084361	1086769	0.27	cps
Iron	54-2	2382614	2395652	2361605	2379957	0.72	cps
Krypton	83-1	213	243	230	229	6.57	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-11DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:38:40	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	174596	172614	178366	175192	1.67	cps
Lead	207-1	146346	142367	145914	144876	1.51	cps
Lead	208-1	664969	688882	681323	678392	1.80	cps
Lithium	6-1	424272	435588	475824	445228	6.09	cps
Magnesium	24-2	956411	961673	954081	957388	0.41	cps
Manganese	55-2	790118	792286	786353	789586	0.38	cps
Molybdenum	94-1	5911	6085	6118	6038	1.84	cps
Molybdenum	95-1	1150	1133	1093	1126	2.59	cps
Molybdenum	96-1	2597	2520	2470	2529	2.52	cps
Molybdenum	97-1	810	653	717	727	10.85	cps
Molybdenum	98-1	1700	1720	1730	1717	0.89	cps
Neodymium	150-1	13383	14681	14397	14154	4.82	cps
Neodymium	150-2	8473	8516	8116	8368	2.62	cps
Nickel	60-2	111541	111837	112431	111937	0.40	cps
Phosphorus	31-2	4561	4477	4391	4476	1.90	cps
Potassium	39-2	705311	706359	706905	706192	0.11	cps
Rhodium	103-1	4840315	4780328	4786943	4802528	0.68	cps
Rhodium	103-2	2983896	2992774	2963596	2980088	0.50	cps
Scandium	45-1	3135576	3062732	3236519	3144942	2.77	cps
Scandium	45-2	297767	299935	296237	297980	0.62	cps
Selenium	82-1	2133	2132	2146	2137	0.36	cps
Selenium	77-2	193	180	210	194	7.73	cps
Selenium	78-2	940	1010	1050	1000	5.57	cps
Silicon	28-1	4083405	4009452	3996107	4029655	1.17	cps
Silver	107-1	53608	57356	59759	56908	5.45	cps
Silver	109-1	50976	53545	53438	52653	2.76	cps
Sodium	23-2	113007	113814	112652	113158	0.53	cps
Strontium	86-1	52340	51232	52135	51902	1.14	cps
Strontium	88-1	436467	465734	454458	452220	3.26	cps
Sulfur	34-1	156135	155441	155343	155640	0.28	cps
Terbium	159-1	5686915	5787522	5716545	5730327	0.90	cps
Terbium	159-2	3877075	3880511	3904358	3887315	0.38	cps
Thallium	203-1	33889	33641	34494	34008	1.29	cps
Thallium	205-1	78029	84648	80798	81158	4.10	cps
Tin	118-1	41938	42014	41540	41831	0.61	cps
Titanium	47-1	205943	201068	201507	202840	1.33	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-11DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:38:40	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2917	2987	2974	2959	1.26	cps
Vanadium	51-2	315549	315817	313263	314876	0.45	cps
Yttrium	89-1	8677277	9136945	9367765	9060662	3.88	cps
Yttrium	89-2	2389352	2379978	2382554	2383961	0.20	cps
Zinc	66-2	100187	99925	98929	99680	0.67	cps
Zirconium	90-1	14551	14527	15311	14796	3.02	cps
Zirconium	91-1	3174	3340	3160	3225	3.11	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:41:52	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1405761	1393165	1398851	1399259	0.45	cps
Antimony	121-1	428346	441788	442490	437541	1.82	cps
Arsenic	75-2	18281	18341	18131	18251	0.59	cps
Barium	135-1	2246820	2318777	2310182	2291926	1.71	cps
Barium	137-1	3918739	3959201	3980113	3952684	0.79	cps
Beryllium	9-1	23161	24503	24383	24015	3.09	cps
Bismuth	209-1	3357246	3298681	3229419	3295115	1.94	cps
Bismuth	209-2	2680215	2738162	2759769	2726049	1.51	cps
Bromine	81-1	6908	7022	6842	6924	1.31	cps
Bromine	81-2	220	203	220	214	4.49	cps
Cadmium	108-1	3557	3681	3540	3593	2.13	cps
Cadmium	106-1	6131	6411	6495	6346	3.00	cps
Cadmium	111-1	52658	55203	55737	54532	3.02	cps
Calcium	43-1	113354	116104	118146	115868	2.08	cps
Calcium	44-1	1799776	1889918	1851528	1847074	2.45	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	470151	474558	478718	474476	0.90	cps
Cobalt	59-2	1643195	1648751	1629277	1640408	0.61	cps
Copper	63-2	779126	787532	785129	783929	0.55	cps
Dysprosium	156-1	7966	7676	7932	7858	2.02	cps
Dysprosium	156-2	6552	6502	6658	6570	1.22	cps
Erbium	164-1	6171	6325	6518	6338	2.74	cps
Erbium	164-2	4541	4481	4314	4445	2.64	cps
Gadolinium	160-1	7372	7419	7679	7490	2.21	cps
Gadolinium	160-2	5368	5451	5348	5389	1.02	cps
Holmium	165-1	5538526	5590167	5617065	5581920	0.72	cps
Holmium	165-2	3886927	3935423	3974064	3932138	1.11	cps
Indium	115-1	4880659	4977852	4917908	4925473	1.00	cps
Indium	115-2	1747990	1769760	1758235	1758662	0.62	cps
Iron	56-2	42922764	43074048	43806584	43267799	1.09	cps
Iron	57-2	1106744	1108713	1107819	1107759	0.09	cps
Iron	54-2	2418806	2401844	2470698	2430449	1.48	cps
Krypton	83-1	250	247	270	256	4.94	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:41:52	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	207301	211632	210694	209876	1.09	cps
Lead	207-1	173755	179053	178570	177126	1.65	cps
Lead	208-1	803963	825518	819848	816443	1.37	cps
Lithium	6-1	422061	424776	414170	420336	1.31	cps
Magnesium	24-2	944816	945364	944679	944953	0.04	cps
Manganese	55-2	1339282	1332673	1347233	1339729	0.54	cps
Molybdenum	94-1	5875	5985	6108	5989	1.95	cps
Molybdenum	95-1	953	1107	897	986	11.02	cps
Molybdenum	96-1	2324	2560	2207	2364	7.62	cps
Molybdenum	97-1	493	593	550	546	9.19	cps
Molybdenum	98-1	1507	1597	1550	1551	2.90	cps
Neodymium	150-1	13590	13877	13824	13764	1.11	cps
Neodymium	150-2	8072	8359	8209	8214	1.75	cps
Nickel	60-2	413851	416049	419166	416355	0.64	cps
Phosphorus	31-2	4504	4471	4304	4426	2.42	cps
Potassium	39-2	700872	702780	703757	702469	0.21	cps
Rhodium	103-1	4813716	4840613	4706762	4787030	1.48	cps
Rhodium	103-2	2942612	2988580	2979001	2970064	0.82	cps
Scandium	45-1	3112439	3126706	3112579	3117241	0.26	cps
Scandium	45-2	298246	300975	301378	300200	0.57	cps
Selenium	82-1	8125	8011	8294	8144	1.75	cps
Selenium	77-2	853	837	833	841	1.27	cps
Selenium	78-2	3074	3194	2987	3085	3.36	cps
Silicon	28-1	3886265	3955164	3932167	3924532	0.89	cps
Silver	107-1	186585	194411	192384	191126	2.13	cps
Silver	109-1	175910	181559	184403	180624	2.39	cps
Sodium	23-2	111339	112611	110909	111620	0.79	cps
Strontium	86-1	48737	51038	51052	50276	2.65	cps
Strontium	88-1	432907	442673	448565	441382	1.79	cps
Sulfur	34-1	152358	152411	151091	151953	0.49	cps
Terbium	159-1	5682258	5831554	5621984	5711932	1.89	cps
Terbium	159-2	3850374	3893073	3851801	3865083	0.63	cps
Thallium	203-1	155398	155076	155845	155440	0.25	cps
Thallium	205-1	359341	372981	372073	368132	2.07	cps
Tin	118-1	41988	42743	42961	42564	1.20	cps
Titanium	47-1	194219	200431	200160	198270	1.77	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBA0SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:41:52	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2727	2777	2704	2736	1.37	cps
Vanadium	51-2	1019871	1021985	1026447	1022768	0.33	cps
Yttrium	89-1	8951298	9046322	8882699	8960106	0.92	cps
Yttrium	89-2	2335620	2403078	2365159	2367952	1.43	cps
Zinc	66-2	234511	234988	235507	235002	0.21	cps
Zirconium	90-1	14147	14564	14434	14382	1.48	cps
Zirconium	91-1	3274	3167	3384	3275	3.31	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-08DLX5	Instrumnet Name :	P7
Client Sample ID :	MYDB99	Dilution Factor :	5
Date & Time Acquired :	2024-10-29 20:45:02	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5032368	5038360	5087058	5052596	0.59	cps
Antimony	121-1	9316	9426	9980	9574	3.72	cps
Arsenic	75-2	30244	31103	30752	30700	1.41	cps
Barium	135-1	499767	504966	508400	504378	0.86	cps
Barium	137-1	860492	873749	874091	869444	0.89	cps
Beryllium	9-1	753	850	860	821	7.17	cps
Bismuth	209-1	3487092	3496811	3403844	3462583	1.48	cps
Bismuth	209-2	2781128	2743667	2680565	2735120	1.86	cps
Bromine	81-1	9363	9677	10164	9734	4.14	cps
Bromine	81-2	813	797	867	826	4.43	cps
Cadmium	108-1	193	247	280	240	18.22	cps
Cadmium	106-1	1843	1850	1933	1876	2.67	cps
Cadmium	111-1	4079	4286	4238	4201	2.58	cps
Calcium	43-1	482850	492145	492692	489229	1.13	cps
Calcium	44-1	7702775	7705490	7764682	7724316	0.45	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	214234	213565	214390	214063	0.20	cps
Cobalt	59-2	145707	145279	147107	146031	0.65	cps
Copper	63-2	1033139	1031984	1044321	1036482	0.66	cps
Dysprosium	156-1	32013	31849	32214	32025	0.57	cps
Dysprosium	156-2	26615	26953	27006	26858	0.79	cps
Erbium	164-1	27233	27667	27340	27414	0.83	cps
Erbium	164-2	18332	18983	18696	18670	1.75	cps
Gadolinium	160-1	30934	31368	31479	31260	0.92	cps
Gadolinium	160-2	22418	23029	22124	22524	2.05	cps
Holmium	165-1	5871194	5819019	5799575	5829929	0.64	cps
Holmium	165-2	4053194	3991449	3885516	3976720	2.13	cps
Indium	115-1	5087069	5078344	5020383	5061932	0.72	cps
Indium	115-2	1772716	1790162	1775209	1779362	0.53	cps
Iron	56-2	175804044	176185904	178892097	176960682	0.95	cps
Iron	57-2	4350792	4396472	4351743	4366336	0.60	cps
Iron	54-2	9670645	9804018	9871365	9782010	1.04	cps
Krypton	83-1	290	273	273	279	3.45	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-08DLX5	Instrumnet Name :	P7
Client Sample ID :	MYDB99	Dilution Factor :	5
Date & Time Acquired :	2024-10-29 20:45:02	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2118738	2116170	2128750	2121219	0.31	cps
Lead	207-1	1864176	1850132	1872001	1862103	0.60	cps
Lead	208-1	8401648	8460988	8434399	8432345	0.35	cps
Lithium	6-1	417383	421036	409435	415951	1.43	cps
Magnesium	24-2	3965568	3918409	3918422	3934133	0.69	cps
Manganese	55-2	2563719	2589178	2582477	2578458	0.51	cps
Molybdenum	94-1	25863	25820	25780	25821	0.16	cps
Molybdenum	95-1	3644	3614	3567	3608	1.07	cps
Molybdenum	96-1	9023	9443	9630	9365	3.32	cps
Molybdenum	97-1	2160	2290	2170	2207	3.28	cps
Molybdenum	98-1	5241	5798	5995	5678	6.88	cps
Neodymium	150-1	56743	57440	57698	57294	0.86	cps
Neodymium	150-2	33737	33082	34091	33637	1.52	cps
Nickel	60-2	60803	61027	60913	60914	0.18	cps
Phosphorus	31-2	18164	18785	18501	18483	1.68	cps
Potassium	39-2	2590817	2589791	2580815	2587141	0.21	cps
Rhodium	103-1	4937251	4904143	4953304	4931566	0.51	cps
Rhodium	103-2	3032215	3009301	3026249	3022588	0.39	cps
Scandium	45-1	3372567	3379448	3324331	3358782	0.89	cps
Scandium	45-2	322371	321590	323319	322427	0.27	cps
Selenium	82-1	429	437	456	440	3.25	cps
Selenium	77-2	150	123	117	130	13.57	cps
Selenium	78-2	533	410	497	480	13.19	cps
Silicon	28-1	18554824	18607126	18591807	18584586	0.14	cps
Silver	107-1	15211	14944	15231	15129	1.06	cps
Silver	109-1	14601	14144	13566	14104	3.68	cps
Sodium	23-2	354766	350793	357485	354348	0.95	cps
Strontium	86-1	213879	214891	217124	215298	0.77	cps
Strontium	88-1	1937020	1981884	1966933	1961946	1.16	cps
Sulfur	34-1	162917	160661	162032	161870	0.70	cps
Terbium	159-1	6030909	5972231	5902193	5968444	1.08	cps
Terbium	159-2	4059925	3988535	3930195	3992885	1.63	cps
Thallium	203-1	1673	1553	1780	1669	6.80	cps
Thallium	205-1	3957	4131	4231	4106	3.37	cps
Tin	118-1	162469	164282	163028	163260	0.57	cps
Titanium	47-1	861847	882709	883935	876163	1.42	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-08DLX5	Instrumnet Name :	P7
Client Sample ID :	MYDB99	Dilution Factor :	5
Date & Time Acquired :	2024-10-29 20:45:02	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11555	11785	11912	11751	1.54	cps
Vanadium	51-2	367278	363206	369230	366571	0.84	cps
Yttrium	89-1	9686877	9811326	9603084	9700429	1.08	cps
Yttrium	89-2	2564044	2545427	2585791	2565087	0.79	cps
Zinc	66-2	226512	228744	228429	227895	0.53	cps
Zirconium	90-1	63828	65060	67596	65495	2.93	cps
Zirconium	91-1	14354	14714	14918	14662	1.95	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09A	Instrumnet Name :	P7
Client Sample ID :	MYDBA0ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 20:48:08	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	993405	988282	995896	992528	0.39	cps
Antimony	121-1	3357	3374	3384	3372	0.40	cps
Arsenic	75-2	7845	8379	7805	8010	4.00	cps
Barium	135-1	66324	67536	67117	66992	0.92	cps
Barium	137-1	113969	115027	117820	115606	1.72	cps
Beryllium	9-1	157	210	147	171	19.90	cps
Bismuth	209-1	3497706	3483075	3503658	3494813	0.30	cps
Bismuth	209-2	2821941	2809391	2799984	2810439	0.39	cps
Bromine	81-1	7185	7245	7208	7213	0.42	cps
Bromine	81-2	253	220	260	244	8.77	cps
Cadmium	108-1	37	40	33	37	9.10	cps
Cadmium	106-1	1480	1523	1500	1501	1.44	cps
Cadmium	111-1	1277	1252	1213	1247	2.57	cps
Calcium	43-1	99906	99746	100977	100210	0.67	cps
Calcium	44-1	1580599	1607493	1624258	1604116	1.37	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	66382	66188	66175	66248	0.18	cps
Cobalt	59-2	36000	36043	35572	35872	0.73	cps
Copper	63-2	115559	115925	114984	115489	0.41	cps
Dysprosium	156-1	5618	5731	5441	5597	2.61	cps
Dysprosium	156-2	4454	4441	4587	4494	1.81	cps
Erbium	164-1	4587	4818	4871	4759	3.17	cps
Erbium	164-2	3230	3107	3057	3131	2.85	cps
Gadolinium	160-1	5128	5284	5211	5208	1.51	cps
Gadolinium	160-2	3991	3831	3811	3877	2.55	cps
Holmium	165-1	5831638	5817875	5812499	5820671	0.17	cps
Holmium	165-2	4065433	3950082	4025419	4013645	1.46	cps
Indium	115-1	5203064	5227899	5159933	5196965	0.66	cps
Indium	115-2	1783154	1782347	1777430	1780977	0.17	cps
Iron	56-2	38672791	38394647	38170694	38412711	0.65	cps
Iron	57-2	980721	975157	971345	975741	0.48	cps
Iron	54-2	2169724	2132863	2156747	2153111	0.87	cps
Krypton	83-1	217	293	213	241	18.77	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09A	Instrumnet Name :	P7
Client Sample ID :	MYDBA0ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 20:48:08	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	91777	92488	92633	92300	0.50	cps
Lead	207-1	77255	77057	77791	77368	0.49	cps
Lead	208-1	353106	358003	357462	356191	0.75	cps
Lithium	6-1	456289	447470	458786	454182	1.31	cps
Magnesium	24-2	986074	977040	984921	982678	0.50	cps
Manganese	55-2	640582	633259	632013	635285	0.73	cps
Molybdenum	94-1	4557	4501	4524	4527	0.63	cps
Molybdenum	95-1	887	990	893	923	6.26	cps
Molybdenum	96-1	2030	2100	2037	2056	1.88	cps
Molybdenum	97-1	613	563	613	597	4.84	cps
Molybdenum	98-1	1410	1403	1587	1467	7.09	cps
Neodymium	150-1	9570	9553	9977	9700	2.47	cps
Neodymium	150-2	5488	5688	5544	5573	1.85	cps
Nickel	60-2	75040	73858	74293	74397	0.80	cps
Phosphorus	31-2	3177	2954	3017	3049	3.78	cps
Potassium	39-2	516277	512387	515770	514811	0.41	cps
Rhodium	103-1	4829226	4976937	4934373	4913512	1.55	cps
Rhodium	103-2	3058901	3024828	2994212	3025980	1.07	cps
Scandium	45-1	3192305	3222197	3220361	3211621	0.52	cps
Scandium	45-2	300197	298139	299717	299351	0.36	cps
Selenium	82-1	377	260	404	347	22.11	cps
Selenium	77-2	27	30	20	26	19.92	cps
Selenium	78-2	383	333	333	350	8.25	cps
Silicon	28-1	3384728	3437243	3455188	3425720	1.07	cps
Silver	107-1	633	640	593	622	4.06	cps
Silver	109-1	490	523	490	501	3.84	cps
Sodium	23-2	85931	86220	84788	85646	0.88	cps
Strontium	86-1	40011	41405	41629	41015	2.14	cps
Strontium	88-1	346966	355217	353932	352039	1.26	cps
Sulfur	34-1	161712	159845	160560	160706	0.59	cps
Terbium	159-1	6072613	6052146	5933795	6019518	1.24	cps
Terbium	159-2	3972180	3964632	3972781	3969865	0.11	cps
Thallium	203-1	789938	808726	812632	803765	1.51	cps
Thallium	205-1	2177154	2146743	2153535	2159144	0.74	cps
Tin	118-1	7759	7979	8092	7943	2.14	cps
Titanium	47-1	172641	175679	176285	174868	1.12	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-09A	Instrumnet Name :	P7
Client Sample ID :	MYDBA0ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 20:48:08	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2157	2327	2404	2296	5.50	cps
Vanadium	51-2	104512	103220	102686	103473	0.91	cps
Yttrium	89-1	9107976	9174472	9048881	9110443	0.69	cps
Yttrium	89-2	2361964	2384184	2398204	2381450	0.77	cps
Zinc	66-2	79926	80217	80640	80261	0.45	cps
Zirconium	90-1	11018	10931	11351	11100	2.00	cps
Zirconium	91-1	2644	2424	2297	2455	7.15	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:51:23	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1677669	1657751	1641071	1658831	1.10	cps
Antimony	121-1	1540	1520	1497	1519	1.43	cps
Arsenic	75-2	9863	10000	10230	10031	1.85	cps
Barium	135-1	123783	129227	130266	127759	2.73	cps
Barium	137-1	214888	221906	221699	219498	1.82	cps
Beryllium	9-1	253	263	320	279	12.89	cps
Bismuth	209-1	3397351	3406071	3357454	3386959	0.77	cps
Bismuth	209-2	2727454	2719150	2744471	2730359	0.47	cps
Bromine	81-1	6775	7135	7105	7005	2.85	cps
Bromine	81-2	157	213	137	169	23.55	cps
Cadmium	108-1	53	50	27	43	33.52	cps
Cadmium	106-1	1587	1513	1607	1569	3.13	cps
Cadmium	111-1	1353	1388	1459	1400	3.86	cps
Calcium	43-1	69585	70958	72261	70935	1.89	cps
Calcium	44-1	1149156	1179575	1197042	1175258	2.06	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	35532	35164	34326	35007	1.77	cps
Cobalt	59-2	38840	38108	39021	38656	1.25	cps
Copper	63-2	101750	100501	100841	101031	0.64	cps
Dysprosium	156-1	12539	12949	12913	12800	1.77	cps
Dysprosium	156-2	10881	10964	11008	10951	0.59	cps
Erbium	164-1	10657	10691	11155	10834	2.56	cps
Erbium	164-2	7309	7235	7239	7261	0.57	cps
Gadolinium	160-1	12442	13033	12696	12724	2.33	cps
Gadolinium	160-2	9550	9527	9093	9390	2.74	cps
Holmium	165-1	5653895	5607763	5664265	5641974	0.53	cps
Holmium	165-2	3945126	3924976	3967773	3945958	0.54	cps
Indium	115-1	4884257	5006283	5009193	4966578	1.44	cps
Indium	115-2	1749651	1717179	1725597	1730809	0.97	cps
Iron	56-2	55202893	54351149	54541354	54698465	0.82	cps
Iron	57-2	1349825	1363641	1356203	1356556	0.51	cps
Iron	54-2	3077636	3043513	3042524	3054557	0.65	cps
Krypton	83-1	230	217	280	242	13.79	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:51:23	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	54579	56878	56115	55857	2.10	cps
Lead	207-1	48620	49821	50145	49529	1.62	cps
Lead	208-1	218057	224425	224426	222303	1.65	cps
Lithium	6-1	441100	449193	451933	447409	1.26	cps
Magnesium	24-2	1060164	1047321	1043669	1050385	0.82	cps
Manganese	55-2	745177	744855	744155	744729	0.07	cps
Molybdenum	94-1	8362	8299	8539	8400	1.48	cps
Molybdenum	95-1	910	1047	1087	1014	9.13	cps
Molybdenum	96-1	2987	3047	2804	2946	4.30	cps
Molybdenum	97-1	640	717	763	707	8.81	cps
Molybdenum	98-1	1690	1687	1753	1710	2.20	cps
Neodymium	150-1	22939	23707	24251	23632	2.79	cps
Neodymium	150-2	14070	14054	14090	14072	0.13	cps
Nickel	60-2	11495	11505	11381	11460	0.60	cps
Phosphorus	31-2	4437	4357	4124	4306	3.78	cps
Potassium	39-2	420411	415866	416733	417670	0.58	cps
Rhodium	103-1	4785399	4819541	4840385	4815108	0.58	cps
Rhodium	103-2	2964649	2947841	2949999	2954163	0.31	cps
Scandium	45-1	3063909	3133012	3173064	3123328	1.77	cps
Scandium	45-2	293650	292004	293907	293187	0.35	cps
Selenium	82-1	335	382	314	344	10.15	cps
Selenium	77-2	50	50	40	47	12.37	cps
Selenium	78-2	403	377	353	378	6.62	cps
Silicon	28-1	5186255	5350305	5559137	5365232	3.48	cps
Silver	107-1	817	753	847	806	5.92	cps
Silver	109-1	697	780	753	743	5.73	cps
Sodium	23-2	64668	64725	65843	65079	1.02	cps
Strontium	86-1	40790	42375	42301	41822	2.14	cps
Strontium	88-1	356500	366215	367948	363555	1.70	cps
Sulfur	34-1	161193	159522	159027	159914	0.71	cps
Terbium	159-1	5720488	5835572	5863175	5806412	1.30	cps
Terbium	159-2	3947789	3905728	3949704	3934407	0.63	cps
Thallium	203-1	663	653	590	636	6.26	cps
Thallium	205-1	1483	1480	1420	1461	2.44	cps
Tin	118-1	4294	4261	4504	4353	3.03	cps
Titanium	47-1	141643	147676	149090	146136	2.71	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:51:23	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3044	2900	3060	3001	2.93	cps
Vanadium	51-2	94695	95514	93263	94490	1.21	cps
Yttrium	89-1	8922639	9088805	9044610	9018685	0.95	cps
Yttrium	89-2	2394226	2338718	2373180	2368708	1.18	cps
Zinc	66-2	35465	35933	35729	35709	0.66	cps
Zirconium	90-1	21259	21589	21873	21574	1.42	cps
Zirconium	91-1	4531	4727	4671	4643	2.18	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-21DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:54:35	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1648146	1651070	1665176	1654797	0.55	cps
Antimony	121-1	1743	1703	1717	1721	1.18	cps
Arsenic	75-2	10297	10150	10144	10197	0.85	cps
Barium	135-1	125693	129418	129143	128085	1.62	cps
Barium	137-1	214310	220862	221756	218976	1.86	cps
Beryllium	9-1	303	237	313	284	14.65	cps
Bismuth	209-1	3319535	3459162	3359868	3379522	2.13	cps
Bismuth	209-2	2787434	2734817	2737132	2753128	1.08	cps
Bromine	81-1	6735	6612	6935	6760	2.41	cps
Bromine	81-2	170	193	157	173	10.71	cps
Cadmium	108-1	40	67	47	51	27.15	cps
Cadmium	106-1	1613	1587	1530	1577	2.70	cps
Cadmium	111-1	1448	1471	1362	1427	4.03	cps
Calcium	43-1	70282	71062	71930	71091	1.16	cps
Calcium	44-1	1158338	1194432	1194837	1182535	1.77	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	34827	35051	35402	35093	0.83	cps
Cobalt	59-2	39081	38336	38937	38785	1.02	cps
Copper	63-2	101085	100236	101397	100906	0.60	cps
Dysprosium	156-1	12806	13193	13220	13073	1.77	cps
Dysprosium	156-2	10661	10861	10864	10795	1.08	cps
Erbium	164-1	10140	10477	10751	10456	2.92	cps
Erbium	164-2	7342	7262	7425	7343	1.11	cps
Gadolinium	160-1	13039	12502	13286	12943	3.10	cps
Gadolinium	160-2	9180	9126	9433	9246	1.77	cps
Holmium	165-1	5489972	5777900	5728431	5665434	2.72	cps
Holmium	165-2	3992802	3914663	3961539	3956335	0.99	cps
Indium	115-1	4988846	5052492	5081571	5040969	0.94	cps
Indium	115-2	1792811	1755655	1735539	1761335	1.65	cps
Iron	56-2	54164089	54311208	54298751	54258016	0.15	cps
Iron	57-2	1358993	1335526	1341226	1345249	0.91	cps
Iron	54-2	3013026	3026672	3044638	3028112	0.52	cps
Krypton	83-1	250	277	210	246	13.67	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-21DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:54:35	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	54197	55858	56785	55613	2.36	cps
Lead	207-1	49567	49858	49162	49529	0.71	cps
Lead	208-1	218497	223347	222582	221475	1.18	cps
Lithium	6-1	451268	462636	447711	453872	1.72	cps
Magnesium	24-2	1054364	1042975	1048238	1048526	0.54	cps
Manganese	55-2	746982	744706	748694	746794	0.27	cps
Molybdenum	94-1	8042	8369	8389	8267	2.36	cps
Molybdenum	95-1	1087	1160	1207	1151	5.26	cps
Molybdenum	96-1	2987	3100	3004	3030	2.02	cps
Molybdenum	97-1	713	703	707	708	0.72	cps
Molybdenum	98-1	1777	1780	1653	1737	4.16	cps
Neodymium	150-1	22835	23179	24021	23345	2.61	cps
Neodymium	150-2	13784	13563	14227	13858	2.44	cps
Nickel	60-2	11665	12058	11701	11808	1.84	cps
Phosphorus	31-2	4227	4177	4344	4250	2.01	cps
Potassium	39-2	417748	416788	421994	418843	0.66	cps
Rhodium	103-1	4787960	4932566	4879352	4866626	1.50	cps
Rhodium	103-2	2966509	2952806	2984141	2967819	0.53	cps
Scandium	45-1	3146703	3178081	3126187	3150324	0.83	cps
Scandium	45-2	296512	296904	295141	296186	0.31	cps
Selenium	82-1	304	322	415	347	17.08	cps
Selenium	77-2	47	40	33	40	16.68	cps
Selenium	78-2	400	343	403	382	8.82	cps
Silicon	28-1	5238823	5376942	5445362	5353709	1.97	cps
Silver	107-1	753	913	877	848	9.89	cps
Silver	109-1	737	703	693	711	3.19	cps
Sodium	23-2	64173	64149	64458	64260	0.27	cps
Strontium	86-1	41509	42869	42284	42221	1.62	cps
Strontium	88-1	358676	369204	369696	365859	1.70	cps
Sulfur	34-1	158828	157960	155879	157556	0.96	cps
Terbium	159-1	5830146	5934583	5990088	5918272	1.37	cps
Terbium	159-2	3914272	3950249	3918910	3927810	0.50	cps
Thallium	203-1	530	530	507	522	2.58	cps
Thallium	205-1	1183	1153	1103	1147	3.52	cps
Tin	118-1	4257	4574	4457	4430	3.62	cps
Titanium	47-1	146307	148265	151002	148525	1.59	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-21DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72D	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 20:54:35	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3220	3244	3204	3223	0.62	cps
Vanadium	51-2	93809	93682	92709	93400	0.64	cps
Yttrium	89-1	8971838	9155350	9123610	9083599	1.08	cps
Yttrium	89-2	2353650	2395334	2376098	2375027	0.88	cps
Zinc	66-2	35318	35546	37059	35974	2.63	cps
Zirconium	90-1	21115	22073	21549	21579	2.22	cps
Zirconium	91-1	4684	5081	4848	4871	4.09	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDB72L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 20:57:50	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	323415	320424	319893	321244	0.59	cps
Antimony	121-1	357	377	347	360	4.24	cps
Arsenic	75-2	1870	1907	2120	1966	6.87	cps
Barium	135-1	24328	25096	25336	24920	2.11	cps
Barium	137-1	41701	42861	42931	42498	1.63	cps
Beryllium	9-1	67	63	70	67	5.00	cps
Bismuth	209-1	3422200	3369692	3359972	3383955	0.99	cps
Bismuth	209-2	2723618	2739296	2739983	2734299	0.34	cps
Bromine	81-1	6515	6441	6305	6420	1.66	cps
Bromine	81-2	90	110	90	97	11.95	cps
Cadmium	108-1	10	23	10	14	53.28	cps
Cadmium	106-1	1333	1393	1380	1369	2.30	cps
Cadmium	111-1	1013	1026	1026	1022	0.72	cps
Calcium	43-1	13313	14394	13987	13898	3.93	cps
Calcium	44-1	236047	243675	246453	242058	2.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7319	7622	7652	7531	2.45	cps
Cobalt	59-2	7689	8022	7559	7757	3.08	cps
Copper	63-2	21332	20621	21072	21008	1.71	cps
Dysprosium	156-1	2944	2714	2740	2799	4.50	cps
Dysprosium	156-2	2084	2307	2087	2159	5.93	cps
Erbium	164-1	1960	2200	2277	2146	7.70	cps
Erbium	164-2	1347	1510	1390	1416	5.98	cps
Gadolinium	160-1	2527	2370	2544	2480	3.86	cps
Gadolinium	160-2	1870	2004	1867	1913	4.07	cps
Holmium	165-1	5544092	5626311	5624881	5598428	0.84	cps
Holmium	165-2	3908735	3876080	3915407	3900074	0.54	cps
Indium	115-1	5038523	5023529	5009815	5023956	0.29	cps
Indium	115-2	1767804	1727096	1744419	1746440	1.17	cps
Iron	56-2	10708023	10548350	10567810	10608061	0.82	cps
Iron	57-2	271851	270696	269100	270549	0.51	cps
Iron	54-2	604386	600686	601319	602130	0.33	cps
Krypton	83-1	190	297	200	229	25.74	cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDB72L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 20:57:50	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11371	11005	11615	11330	2.71	cps
Lead	207-1	9877	10404	9867	10049	3.06	cps
Lead	208-1	44225	44699	44578	44501	0.55	cps
Lithium	6-1	446869	449002	454241	450037	0.84	cps
Magnesium	24-2	204449	204954	203687	204363	0.31	cps
Manganese	55-2	146878	146139	143493	145503	1.22	cps
Molybdenum	94-1	1850	1880	1837	1856	1.20	cps
Molybdenum	95-1	303	360	467	377	22.02	cps
Molybdenum	96-1	577	747	827	717	17.82	cps
Molybdenum	97-1	137	217	330	228	42.65	cps
Molybdenum	98-1	403	503	663	523	25.06	cps
Neodymium	150-1	4357	4591	4758	4569	4.40	cps
Neodymium	150-2	2720	2667	2634	2674	1.64	cps
Nickel	60-2	2444	2457	2280	2394	4.11	cps
Phosphorus	31-2	990	847	937	924	7.84	cps
Potassium	39-2	147833	146463	147176	147157	0.47	cps
Rhodium	103-1	4781398	4861035	4848596	4830343	0.89	cps
Rhodium	103-2	2947455	2947034	2939437	2944642	0.15	cps
Scandium	45-1	3076886	3129424	3083893	3096734	0.92	cps
Scandium	45-2	290726	286819	288813	288786	0.68	cps
Selenium	82-1	327	279	300	302	8.07	cps
Selenium	77-2	17	7	13	12	41.65	cps
Selenium	78-2	387	363	353	368	4.65	cps
Silicon	28-1	1279057	1325732	1319502	1308097	1.94	cps
Silver	107-1	203	210	253	222	12.22	cps
Silver	109-1	177	183	183	181	2.13	cps
Sodium	23-2	45968	46433	47022	46474	1.14	cps
Strontium	86-1	8746	8586	8786	8706	1.22	cps
Strontium	88-1	70682	71560	74722	72321	2.94	cps
Sulfur	34-1	156973	153865	153502	154780	1.23	cps
Terbium	159-1	5818992	5803783	5780556	5801110	0.33	cps
Terbium	159-2	3829269	3877751	3830302	3845774	0.72	cps
Thallium	203-1	220	237	187	214	11.87	cps
Thallium	205-1	557	503	560	540	5.89	cps
Tin	118-1	1810	1837	1777	1808	1.66	cps
Titanium	47-1	28464	29045	28647	28718	1.03	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDB72L	Dilution Factor :	20
Date & Time Acquired :	2024-10-29 20:57:50	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	517	653	663	611	13.41	cps
Vanadium	51-2	18321	19186	18154	18554	2.98	cps
Yttrium	89-1	8801629	8904332	8945168	8883710	0.83	cps
Yttrium	89-2	2346314	2335441	2301924	2327893	0.99	cps
Zinc	66-2	7095	7238	7115	7150	1.09	cps
Zirconium	90-1	4511	4471	4401	4461	1.25	cps
Zirconium	91-1	967	997	973	979	1.61	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-22DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 21:01:05	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1656393	1631899	1651263	1646518	0.78	cps
Antimony	121-1	101210	103788	105383	103460	2.04	cps
Arsenic	75-2	12646	12175	12532	12451	1.97	cps
Barium	135-1	572056	588741	594239	585012	1.97	cps
Barium	137-1	980837	1013380	1017298	1003838	1.99	cps
Beryllium	9-1	5858	5991	6131	5993	2.28	cps
Bismuth	209-1	3304342	3103569	3280929	3229613	3.40	cps
Bismuth	209-2	2767109	2769099	2767023	2767744	0.04	cps
Bromine	81-1	6598	6381	6592	6524	1.89	cps
Bromine	81-2	150	123	150	141	10.91	cps
Cadmium	108-1	747	827	813	796	5.39	cps
Cadmium	106-1	2724	2510	2484	2572	5.11	cps
Cadmium	111-1	13919	13597	13788	13768	1.18	cps
Calcium	43-1	66093	68159	67312	67188	1.55	cps
Calcium	44-1	1092431	1127501	1138822	1119585	2.16	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	132398	132194	131595	132062	0.32	cps
Cobalt	59-2	400214	400257	402851	401107	0.38	cps
Copper	63-2	220691	220836	218933	220153	0.48	cps
Dysprosium	156-1	12299	12099	12429	12275	1.36	cps
Dysprosium	156-2	10407	10674	10244	10442	2.08	cps
Erbium	164-1	9817	9974	10210	10000	1.98	cps
Erbium	164-2	6788	6995	7199	6994	2.93	cps
Gadolinium	160-1	11802	12319	12459	12193	2.84	cps
Gadolinium	160-2	8903	9300	9096	9100	2.18	cps
Holmium	165-1	5497922	5253629	5554177	5435242	2.94	cps
Holmium	165-2	3975875	3890701	4001076	3955884	1.46	cps
Indium	115-1	4848970	4563374	4814560	4742301	3.29	cps
Indium	115-2	1750811	1755193	1748593	1751532	0.19	cps
Iron	56-2	52688066	52804993	52262671	52585243	0.54	cps
Iron	57-2	1341532	1336344	1324707	1334194	0.65	cps
Iron	54-2	2933903	2939091	2925201	2932732	0.24	cps
Krypton	83-1	220	277	250	249	11.39	cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-22DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 21:01:05	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	63126	65380	66709	65072	2.78	cps
Lead	207-1	56309	57843	58462	57538	1.93	cps
Lead	208-1	252352	258750	263341	258148	2.14	cps
Lithium	6-1	441610	413822	432868	429433	3.31	cps
Magnesium	24-2	1007493	1003913	1018765	1010057	0.77	cps
Manganese	55-2	886630	883037	891452	887040	0.48	cps
Molybdenum	94-1	7765	7972	8229	7989	2.91	cps
Molybdenum	95-1	947	990	1103	1013	7.98	cps
Molybdenum	96-1	2647	2830	2927	2801	5.08	cps
Molybdenum	97-1	573	630	727	643	12.05	cps
Molybdenum	98-1	1473	1420	1720	1538	10.41	cps
Neodymium	150-1	21416	23039	23416	22624	4.70	cps
Neodymium	150-2	13360	13443	13607	13470	0.93	cps
Nickel	60-2	104663	104702	104484	104616	0.11	cps
Phosphorus	31-2	3861	4041	3801	3901	3.20	cps
Potassium	39-2	403794	406205	403319	404439	0.38	cps
Rhodium	103-1	4732992	4478344	4768205	4659847	3.39	cps
Rhodium	103-2	2934454	2935752	2948928	2939712	0.27	cps
Scandium	45-1	3048592	2902089	3074433	3008371	3.09	cps
Scandium	45-2	294670	293079	295720	294490	0.45	cps
Selenium	82-1	1911	1909	1959	1926	1.47	cps
Selenium	77-2	207	203	187	199	5.39	cps
Selenium	78-2	937	913	860	903	4.35	cps
Silicon	28-1	4979862	5190614	5173989	5114822	2.29	cps
Silver	107-1	51260	53143	53739	52714	2.45	cps
Silver	109-1	48805	49524	50243	49524	1.45	cps
Sodium	23-2	61251	61375	61562	61396	0.26	cps
Strontium	86-1	38520	40305	40422	39749	2.68	cps
Strontium	88-1	343659	348738	350047	347482	0.97	cps
Sulfur	34-1	151327	149681	149738	150249	0.62	cps
Terbium	159-1	5699702	5420582	5768426	5629570	3.27	cps
Terbium	159-2	3880436	3833907	3937931	3884091	1.34	cps
Thallium	203-1	36840	37445	38127	37470	1.72	cps
Thallium	205-1	86161	89307	88519	87996	1.86	cps
Tin	118-1	3557	3977	3817	3784	5.60	cps
Titanium	47-1	136497	142214	140182	139631	2.08	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-22DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72S	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 21:01:05	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2814	2984	2937	2911	3.02	cps
Vanadium	51-2	306481	305682	304441	305535	0.34	cps
Yttrium	89-1	8721912	8490848	8826212	8679657	1.98	cps
Yttrium	89-2	2397144	2355704	2340657	2364502	1.24	cps
Zinc	66-2	76196	74860	75898	75652	0.93	cps
Zirconium	90-1	19483	21129	20615	20409	4.12	cps
Zirconium	91-1	4331	4464	4477	4424	1.83	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 21:04:20	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1791339	1835897	1815429	1814222	1.23	cps
Antimony	121-1	418824	431637	431004	427155	1.69	cps
Arsenic	75-2	20401	20508	20461	20456	0.26	cps
Barium	135-1	2253768	2298513	2272991	2275091	0.99	cps
Barium	137-1	3831534	3946193	3890605	3889444	1.47	cps
Beryllium	9-1	23631	24423	24803	24286	2.46	cps
Bismuth	209-1	3268129	3350690	3402221	3340347	2.02	cps
Bismuth	209-2	2753698	2787455	2740074	2760409	0.88	cps
Bromine	81-1	6618	6672	6562	6617	0.83	cps
Bromine	81-2	187	150	183	173	11.70	cps
Cadmium	108-1	3307	3587	3587	3494	4.63	cps
Cadmium	106-1	6068	6181	6125	6125	0.93	cps
Cadmium	111-1	52481	53237	53117	52945	0.77	cps
Calcium	43-1	65387	68511	67824	67240	2.44	cps
Calcium	44-1	1092654	1124588	1139115	1118785	2.12	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	451466	447133	450192	449597	0.50	cps
Cobalt	59-2	1621845	1618527	1624445	1621606	0.18	cps
Copper	63-2	621230	621780	620861	621291	0.07	cps
Dysprosium	156-1	12119	12316	12365	12267	1.06	cps
Dysprosium	156-2	10294	10421	10364	10359	0.61	cps
Erbium	164-1	9874	10130	10321	10108	2.22	cps
Erbium	164-2	7085	6872	6845	6934	1.90	cps
Gadolinium	160-1	11732	12242	12199	12058	2.35	cps
Gadolinium	160-2	9030	9156	9223	9136	1.08	cps
Holmium	165-1	5674960	5670118	5705918	5683665	0.34	cps
Holmium	165-2	3893618	3931515	3932964	3919365	0.57	cps
Indium	115-1	4923704	4947650	4974138	4948498	0.51	cps
Indium	115-2	1746617	1733808	1734541	1738322	0.41	cps
Iron	56-2	53881469	53921338	53527774	53776860	0.40	cps
Iron	57-2	1366747	1366700	1361097	1364848	0.24	cps
Iron	54-2	2987818	3049735	2996505	3011352	1.11	cps
Krypton	83-1	250	217	270	246	10.97	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 21:04:20	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	100556	103349	104115	102673	1.82	cps
Lead	207-1	87124	91630	91787	90180	2.94	cps
Lead	208-1	396479	412520	412319	407106	2.26	cps
Lithium	6-1	435990	447983	444629	442867	1.40	cps
Magnesium	24-2	1014079	1010509	1003768	1009452	0.52	cps
Manganese	55-2	1432611	1457026	1428227	1439288	1.08	cps
Molybdenum	94-1	7669	8006	7725	7800	2.31	cps
Molybdenum	95-1	1197	1080	1083	1120	5.93	cps
Molybdenum	96-1	2830	3020	2864	2905	3.49	cps
Molybdenum	97-1	593	580	640	604	5.21	cps
Molybdenum	98-1	1747	1703	1807	1752	2.96	cps
Neodymium	150-1	21633	22338	22538	22170	2.14	cps
Neodymium	150-2	13206	13336	12983	13175	1.36	cps
Nickel	60-2	404416	406354	402952	404574	0.42	cps
Phosphorus	31-2	3914	3824	4057	3932	2.99	cps
Potassium	39-2	402846	405191	399632	402556	0.69	cps
Rhodium	103-1	4747870	4721991	4871053	4780305	1.67	cps
Rhodium	103-2	3020495	2981264	2970614	2990791	0.88	cps
Scandium	45-1	3062073	3166029	3113252	3113785	1.67	cps
Scandium	45-2	294695	296001	296653	295783	0.34	cps
Selenium	82-1	7727	8014	7959	7900	1.93	cps
Selenium	77-2	807	840	840	829	2.32	cps
Selenium	78-2	2930	3000	2890	2940	1.89	cps
Silicon	28-1	5044882	5149565	5207332	5133926	1.60	cps
Silver	107-1	199158	208154	207209	204841	2.41	cps
Silver	109-1	188397	192886	194674	191986	1.68	cps
Sodium	23-2	62403	62817	62660	62627	0.33	cps
Strontium	86-1	38912	40105	39824	39613	1.57	cps
Strontium	88-1	340773	351694	351623	348030	1.81	cps
Sulfur	34-1	152092	149250	150307	150550	0.95	cps
Terbium	159-1	5705748	5892654	5818466	5805623	1.62	cps
Terbium	159-2	3958961	3871385	3909916	3913421	1.12	cps
Thallium	203-1	149049	155766	155692	153502	2.51	cps
Thallium	205-1	357288	365056	361670	361338	1.08	cps
Tin	118-1	3921	4011	3897	3943	1.52	cps
Titanium	47-1	136295	142155	141259	139903	2.26	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDB72SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-29 21:04:20	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3070	3117	3194	3127	1.99	cps
Vanadium	51-2	999715	1004383	1000200	1001433	0.26	cps
Yttrium	89-1	8914243	9122567	9060814	9032541	1.18	cps
Yttrium	89-2	2364833	2383988	2388439	2379087	0.53	cps
Zinc	66-2	211644	214310	212187	212713	0.66	cps
Zirconium	90-1	20268	20431	20341	20346	0.40	cps
Zirconium	91-1	4414	4681	4597	4564	2.99	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20A	Instrumnet Name :	P7
Client Sample ID :	MYDB72ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:07:29	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6845169	6785958	6699892	6777007	1.08	cps
Antimony	121-1	5821	5928	6008	5919	1.58	cps
Arsenic	75-2	41324	40899	41842	41355	1.14	cps
Barium	135-1	507194	520180	512331	513235	1.27	cps
Barium	137-1	870514	887003	877955	878491	0.94	cps
Beryllium	9-1	1120	1073	1213	1136	6.28	cps
Bismuth	209-1	3450005	3508092	3448049	3468715	0.98	cps
Bismuth	209-2	2749660	2791222	2737257	2759380	1.02	cps
Bromine	81-1	8583	8646	8806	8678	1.33	cps
Bromine	81-2	697	607	587	630	9.30	cps
Cadmium	108-1	163	183	183	177	6.54	cps
Cadmium	106-1	1920	1830	1780	1843	3.85	cps
Cadmium	111-1	2637	2600	2591	2609	0.93	cps
Calcium	43-1	281072	286582	290162	285939	1.60	cps
Calcium	44-1	4401190	4572998	4477605	4483931	1.92	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	141449	144310	141679	142479	1.12	cps
Cobalt	59-2	156504	155521	156541	156188	0.37	cps
Copper	63-2	403090	401394	408476	404320	0.91	cps
Dysprosium	156-1	51979	52066	51574	51873	0.51	cps
Dysprosium	156-2	42621	41936	43243	42600	1.54	cps
Erbium	164-1	42314	43865	43798	43326	2.02	cps
Erbium	164-2	28900	28953	29341	29065	0.83	cps
Gadolinium	160-1	50638	51066	50959	50888	0.44	cps
Gadolinium	160-2	36558	36481	36434	36491	0.17	cps
Holmium	165-1	5813986	5924342	5833221	5857183	1.01	cps
Holmium	165-2	4021530	4034303	3977419	4011084	0.74	cps
Indium	115-1	5134407	5133030	5042047	5103162	1.04	cps
Indium	115-2	1779869	1805653	1783782	1789768	0.78	cps
Iron	56-2	222161083	221598870	223176790	222312248	0.36	cps
Iron	57-2	5439721	5525377	5538840	5501313	0.98	cps
Iron	54-2	12283569	12379640	12150197	12271136	0.94	cps
Krypton	83-1	353	267	283	301	15.27	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20A	Instrumnet Name :	P7
Client Sample ID :	MYDB72ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:07:29	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	219995	221741	219738	220491	0.49	cps
Lead	207-1	197107	193322	196741	195723	1.07	cps
Lead	208-1	879939	879306	883662	880969	0.27	cps
Lithium	6-1	453129	459562	433170	448620	3.07	cps
Magnesium	24-2	4253481	4244919	4192489	4230296	0.78	cps
Manganese	55-2	3026017	3076100	3054386	3052168	0.82	cps
Molybdenum	94-1	33308	34026	34350	33895	1.57	cps
Molybdenum	95-1	3630	3901	3864	3798	3.86	cps
Molybdenum	96-1	10964	11241	11328	11178	1.70	cps
Molybdenum	97-1	2324	2614	2320	2419	6.96	cps
Molybdenum	98-1	6071	6035	5931	6012	1.21	cps
Neodymium	150-1	94685	96028	95686	95466	0.73	cps
Neodymium	150-2	54839	55345	54568	54918	0.72	cps
Nickel	60-2	47813	46796	47355	47321	1.08	cps
Phosphorus	31-2	16566	16866	16696	16709	0.90	cps
Potassium	39-2	1400123	1398887	1384903	1394638	0.61	cps
Rhodium	103-1	4970270	4941409	4913196	4941625	0.58	cps
Rhodium	103-2	3010178	3051146	3018793	3026705	0.71	cps
Scandium	45-1	3384045	3398087	3361230	3381120	0.55	cps
Scandium	45-2	323134	327742	321152	324009	1.04	cps
Selenium	82-1	445	523	483	484	8.06	cps
Selenium	77-2	160	257	217	211	23.01	cps
Selenium	78-2	530	513	490	511	3.93	cps
Silicon	28-1	21935417	22102337	22250107	22095954	0.71	cps
Silver	107-1	11595	11375	11401	11457	1.05	cps
Silver	109-1	10861	10617	10744	10741	1.13	cps
Sodium	23-2	126252	128958	127587	127599	1.06	cps
Strontium	86-1	167311	168866	168948	168375	0.55	cps
Strontium	88-1	1524489	1525539	1560464	1536831	1.33	cps
Sulfur	34-1	158084	157825	155711	157207	0.83	cps
Terbium	159-1	6112984	6061497	6041594	6072025	0.61	cps
Terbium	159-2	4017865	4022259	3974208	4004777	0.66	cps
Thallium	203-1	1237	1303	1323	1288	3.52	cps
Thallium	205-1	3000	3180	3084	3088	2.92	cps
Tin	118-1	12095	11818	11895	11936	1.20	cps
Titanium	47-1	594265	604555	606968	601929	1.12	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4318-20A	Instrumnet Name :	P7
Client Sample ID :	MYDB72ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:07:29	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	12279	12196	12322	12266	0.52	cps
Vanadium	51-2	386456	388918	386894	387423	0.34	cps
Yttrium	89-1	10087270	10089389	10001717	10059459	0.50	cps
Yttrium	89-2	2594985	2642587	2554051	2597207	1.71	cps
Zinc	66-2	140057	141466	141389	140971	0.56	cps
Zirconium	90-1	86674	89948	87184	87935	2.00	cps
Zirconium	91-1	19026	19607	19556	19396	1.66	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-08	Instrumnet Name :	P7
Client Sample ID :	MYDB99	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:10:40	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	640	717	793	717	10.70	cps
Antimony	121-1	60	90	137	96	40.43	cps
Arsenic	75-2	10	10	10	10	0.00	cps
Barium	135-1	200	153	180	178	13.17	cps
Barium	137-1	317	343	277	312	10.75	cps
Beryllium	9-1	30	17	43	30	44.43	cps
Bismuth	209-1	3431399	3336663	3396456	3388173	1.41	cps
Bismuth	209-2	2811847	2829394	2863440	2834894	0.93	cps
Bromine	81-1	6491	6555	6518	6522	0.49	cps
Bromine	81-2	97	73	83	84	13.87	cps
Cadmium	108-1	3	7	7	6	34.70	cps
Cadmium	106-1	1390	1327	1337	1351	2.52	cps
Cadmium	111-1	991	944	951	962	2.62	cps
Calcium	43-1	297	317	343	319	7.34	cps
Calcium	44-1	15525	15161	15368	15351	1.19	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	733	780	743	752	3.27	cps
Cobalt	59-2	197	173	187	186	6.31	cps
Copper	63-2	2500	2367	2497	2455	3.10	cps
Dysprosium	156-1	193	210	150	184	16.79	cps
Dysprosium	156-2	43	40	27	37	24.04	cps
Erbium	164-1	40	23	47	37	32.79	cps
Erbium	164-2	37	27	13	26	45.82	cps
Gadolinium	160-1	17	20	30	22	31.22	cps
Gadolinium	160-2	140	137	133	137	2.44	cps
Holmium	165-1	5706013	5596687	5671700	5658133	0.99	cps
Holmium	165-2	3971052	4044330	3969145	3994842	1.07	cps
Indium	115-1	4967875	4945298	5061631	4991601	1.24	cps
Indium	115-2	1748717	1756589	1744856	1750054	0.34	cps
Iron	56-2	25929	24907	25378	25405	2.01	cps
Iron	57-2	2937	2947	3090	2991	2.87	cps
Iron	54-2	2297	2294	2190	2260	2.68	cps
Krypton	83-1	243	207	220	223	8.31	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-08	Instrumnet Name :	P7
Client Sample ID :	MYDB99	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:10:40	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	423	403	300	376	17.63	cps
Lead	207-1	347	323	330	333	3.61	cps
Lead	208-1	1577	1563	1447	1529	4.68	cps
Lithium	6-1	470973	472045	477025	473348	0.68	cps
Magnesium	24-2	970	980	973	974	0.52	cps
Manganese	55-2	733	710	800	748	6.25	cps
Molybdenum	94-1	273	247	293	271	8.64	cps
Molybdenum	95-1	173	203	223	200	12.58	cps
Molybdenum	96-1	210	203	293	236	21.29	cps
Molybdenum	97-1	100	150	100	117	24.74	cps
Molybdenum	98-1	340	280	380	333	15.10	cps
Neodymium	150-1	7	10	10	9	21.63	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	113	120	130	121	6.93	cps
Phosphorus	31-2	167	160	213	180	16.15	cps
Potassium	39-2	83108	82425	83276	82936	0.54	cps
Rhodium	103-1	4875738	4764836	4816646	4819073	1.15	cps
Rhodium	103-2	2998511	2997756	3000405	2998891	0.05	cps
Scandium	45-1	3132003	2971262	3065142	3056136	2.64	cps
Scandium	45-2	284516	284530	286457	285168	0.39	cps
Selenium	82-1	334	341	336	337	1.12	cps
Selenium	77-2	3	7	0	3	100.05	cps
Selenium	78-2	370	340	310	340	8.82	cps
Silicon	28-1	266901	261974	263750	264208	0.94	cps
Silver	107-1	170	170	167	169	1.14	cps
Silver	109-1	157	173	117	149	19.56	cps
Sodium	23-2	46476	45551	45042	45690	1.59	cps
Strontium	86-1	520	660	447	542	19.99	cps
Strontium	88-1	1887	1877	1813	1859	2.14	cps
Sulfur	34-1	161850	164091	164690	163543	0.92	cps
Terbium	159-1	5846087	5632875	5839065	5772676	2.10	cps
Terbium	159-2	3962567	3966960	3934195	3954574	0.45	cps
Thallium	203-1	263	247	243	251	4.27	cps
Thallium	205-1	577	550	487	538	8.60	cps
Tin	118-1	1417	1317	1861	1532	18.93	cps
Titanium	47-1	260	220	217	232	10.38	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4317-08	Instrumnet Name :	P7
Client Sample ID :	MYDB99	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:10:40	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	90	50	60	67	31.22	cps
Vanadium	51-2	53	53	67	58	13.33	cps
Yttrium	89-1	8856094	8658938	8704159	8739730	1.18	cps
Yttrium	89-2	2338815	2300194	2308950	2315987	0.87	cps
Zinc	66-2	487	473	483	481	1.44	cps
Zirconium	90-1	320	370	433	374	15.17	cps
Zirconium	91-1	77	77	107	87	19.98	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV031	Instrumnet Name :	P7
Client Sample ID :	CCV031	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:13:57	DataFile Name :	060CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7511920	7521208	7543827	7525652	0.22	cps
Antimony	121-1	3060707	3175832	3223522	3153353	2.65	cps
Arsenic	75-2	205997	207605	204186	205929	0.83	cps
Barium	135-1	3826670	3939560	3955405	3907212	1.80	cps
Barium	137-1	6660803	6702020	6792210	6718345	1.00	cps
Beryllium	9-1	345125	350913	352585	349541	1.12	cps
Bismuth	209-1	3512004	3592734	3523138	3542626	1.23	cps
Bismuth	209-2	2766414	2753947	2729535	2749965	0.68	cps
Bromine	81-1	7048	6935	6808	6931	1.73	cps
Bromine	81-2	47	53	70	57	21.21	cps
Cadmium	108-1	53709	56198	55901	55269	2.46	cps
Cadmium	106-1	78202	80354	80253	79603	1.53	cps
Cadmium	111-1	745926	764502	767585	759338	1.54	cps
Calcium	43-1	4366880	4428989	4417535	4404468	0.75	cps
Calcium	44-1	69813484	71694847	71421966	70976766	1.43	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1440411	1465079	1465698	1457063	0.99	cps
Cobalt	59-2	2319424	2295497	2306917	2307279	0.52	cps
Copper	63-2	16297556	16209338	16184317	16230404	0.37	cps
Dysprosium	156-1	283	277	313	291	6.71	cps
Dysprosium	156-2	303	300	263	289	7.68	cps
Erbium	164-1	187	177	137	167	15.87	cps
Erbium	164-2	93	67	127	96	31.46	cps
Gadolinium	160-1	160	127	130	139	13.22	cps
Gadolinium	160-2	223	257	243	241	6.96	cps
Holmium	165-1	6178051	6233448	6211697	6207732	0.45	cps
Holmium	165-2	4186597	4169612	4200303	4185504	0.37	cps
Indium	115-1	5249353	5272759	5111179	5211097	1.68	cps
Indium	115-2	1804717	1811976	1781479	1799391	0.89	cps
Iron	56-2	311375929	310308409	308907435	310197258	0.40	cps
Iron	57-2	7776714	7786329	7616858	7726634	1.23	cps
Iron	54-2	17283961	17292267	17212475	17262901	0.25	cps
Krypton	83-1	287	300	247	278	9.99	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV031	Instrumnet Name :	P7
Client Sample ID :	CCV031	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:13:57	DataFile Name :	060CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9738201	10009278	10006667	9918048	1.57	cps
Lead	207-1	8442234	8835339	8857880	8711818	2.68	cps
Lead	208-1	38691866	39970623	39996757	39553082	1.89	cps
Lithium	6-1	503437	490559	487045	493680	1.75	cps
Magnesium	24-2	62948829	62131386	62493516	62524577	0.66	cps
Manganese	55-2	10328498	10235002	10316117	10293206	0.49	cps
Molybdenum	94-1	12276382	12483338	12389671	12383130	0.84	cps
Molybdenum	95-1	17762777	18096428	17948148	17935784	0.93	cps
Molybdenum	96-1	19451650	19703345	19679793	19611596	0.71	cps
Molybdenum	97-1	11020674	11237887	11285449	11181337	1.26	cps
Molybdenum	98-1	28423161	28700996	28902789	28675649	0.84	cps
Neodymium	150-1	177	203	177	186	8.30	cps
Neodymium	150-2	87	67	77	77	13.04	cps
Nickel	60-2	563577	558898	554575	559017	0.81	cps
Phosphorus	31-2	86741	87626	85708	86691	1.11	cps
Potassium	39-2	42482952	42474948	42552635	42503512	0.10	cps
Rhodium	103-1	5040977	5051434	4968832	5020414	0.90	cps
Rhodium	103-2	2954841	2932594	2974369	2953935	0.71	cps
Scandium	45-1	3308341	3411078	3342185	3353868	1.56	cps
Scandium	45-2	323057	318233	320391	320560	0.75	cps
Selenium	82-1	49860	50854	51003	50572	1.23	cps
Selenium	77-2	5258	4948	4891	5032	3.92	cps
Selenium	78-2	17280	17360	17117	17252	0.72	cps
Silicon	28-1	19978762	20461433	20273132	20237775	1.20	cps
Silver	107-1	3914594	4018308	4033877	3988926	1.63	cps
Silver	109-1	3747060	3773468	3788770	3769766	0.56	cps
Sodium	23-2	105737358	106071635	105128472	105645822	0.45	cps
Strontium	86-1	26033071	26413410	26458353	26301612	0.89	cps
Strontium	88-1	228032883	231694397	230802490	230176590	0.83	cps
Sulfur	34-1	399329	404836	407963	404042	1.08	cps
Terbium	159-1	6367037	6365722	6393737	6375499	0.25	cps
Terbium	159-2	4193298	4226139	4141868	4187102	1.01	cps
Thallium	203-1	2463538	2507231	2523968	2498246	1.25	cps
Thallium	205-1	5818365	5921862	5894432	5878220	0.91	cps
Tin	118-1	2462726	2504998	2499411	2489045	0.92	cps
Titanium	47-1	4661598	4694538	4740159	4698765	0.84	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV031	Instrumnet Name :	P7
Client Sample ID :	CCV031	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:13:57	DataFile Name :	060CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7474060	7735077	7460861	7556666	2.05	cps
Vanadium	51-2	1337110	1336340	1318652	1330701	0.78	cps
Yttrium	89-1	9746689	9716237	9558140	9673688	1.05	cps
Yttrium	89-2	2497287	2508764	2496798	2500950	0.27	cps
Zinc	66-2	2685424	2662715	2640814	2662984	0.84	cps
Zirconium	90-1	5723831	5694646	5683075	5700518	0.37	cps
Zirconium	91-1	1215764	1252684	1245122	1237857	1.58	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB031	Instrumnet Name :	P7
Client Sample ID :	CCB031	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:16:44	DataFile Name :	061CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	837	793	820	817	2.68	cps
Antimony	121-1	2127	1907	1953	1996	5.81	cps
Arsenic	75-2	20	17	10	16	32.73	cps
Barium	135-1	273	270	313	286	8.44	cps
Barium	137-1	537	517	407	487	14.38	cps
Beryllium	9-1	53	43	53	50	11.55	cps
Bismuth	209-1	3532858	3489527	3546989	3523125	0.85	cps
Bismuth	209-2	2800463	2835843	2807476	2814594	0.67	cps
Bromine	81-1	6655	6251	6108	6338	4.47	cps
Bromine	81-2	60	70	87	72	18.66	cps
Cadmium	108-1	13	0	30	14	104.07	cps
Cadmium	106-1	1567	1527	1483	1526	2.73	cps
Cadmium	111-1	1164	1142	1104	1137	2.67	cps
Calcium	43-1	653	707	683	681	3.92	cps
Calcium	44-1	21242	20861	20320	20808	2.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	740	727	787	751	4.20	cps
Cobalt	59-2	250	203	210	221	11.41	cps
Copper	63-2	1903	1830	1757	1830	4.01	cps
Dysprosium	156-1	167	203	167	179	11.83	cps
Dysprosium	156-2	53	43	37	44	18.87	cps
Erbium	164-1	57	30	47	44	30.31	cps
Erbium	164-2	33	27	27	29	13.31	cps
Gadolinium	160-1	13	27	30	23	37.81	cps
Gadolinium	160-2	110	207	140	152	32.51	cps
Holmium	165-1	5760591	5873386	5806380	5813452	0.98	cps
Holmium	165-2	4038039	4034188	3998502	4023577	0.54	cps
Indium	115-1	5237257	5225707	5166043	5209669	0.73	cps
Indium	115-2	1813277	1802968	1797189	1804478	0.45	cps
Iron	56-2	30598	30354	30668	30540	0.54	cps
Iron	57-2	3417	3394	3417	3409	0.40	cps
Iron	54-2	2540	2494	2584	2539	1.77	cps
Krypton	83-1	257	250	203	237	12.28	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB031	Instrumnet Name :	P7
Client Sample ID :	CCB031	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:16:44	DataFile Name :	061CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	910	777	810	832	8.34	cps
Lead	207-1	850	713	570	711	19.69	cps
Lead	208-1	3660	3150	2984	3265	10.80	cps
Lithium	6-1	457956	444412	446319	449562	1.63	cps
Magnesium	24-2	2454	2267	2214	2311	5.45	cps
Manganese	55-2	1290	1357	1270	1306	3.48	cps
Molybdenum	94-1	1233	837	930	1000	20.74	cps
Molybdenum	95-1	1210	1023	1107	1113	8.40	cps
Molybdenum	96-1	1400	1160	1230	1263	9.77	cps
Molybdenum	97-1	810	687	683	727	9.93	cps
Molybdenum	98-1	1940	1533	1677	1717	12.02	cps
Neodymium	150-1	7	10	3	7	50.03	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	207	173	177	186	9.89	cps
Phosphorus	31-2	170	200	143	171	16.57	cps
Potassium	39-2	90557	91905	90517	90993	0.87	cps
Rhodium	103-1	5064505	5079418	5014466	5052796	0.67	cps
Rhodium	103-2	3063936	3085288	3042935	3064053	0.69	cps
Scandium	45-1	3282079	3237038	3179748	3232955	1.59	cps
Scandium	45-2	308520	304151	302973	305215	0.96	cps
Selenium	82-1	290	291	358	313	12.52	cps
Selenium	77-2	7	0	0	2	173.21	cps
Selenium	78-2	390	417	317	374	13.83	cps
Silicon	28-1	275067	273317	273920	274102	0.32	cps
Silver	107-1	453	313	353	373	19.32	cps
Silver	109-1	457	297	323	359	23.89	cps
Sodium	23-2	51931	51894	50927	51584	1.10	cps
Strontium	86-1	1410	1160	1073	1215	14.40	cps
Strontium	88-1	9373	7118	6622	7704	19.03	cps
Sulfur	34-1	180111	177325	179449	178962	0.81	cps
Terbium	159-1	6092949	6124663	6000791	6072801	1.06	cps
Terbium	159-2	4016588	4050818	3956013	4007807	1.20	cps
Thallium	203-1	587	560	423	523	16.74	cps
Thallium	205-1	1397	1347	1193	1312	8.07	cps
Tin	118-1	2054	2174	2214	2147	3.88	cps
Titanium	47-1	370	287	330	329	12.67	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB031	Instrumnet Name :	P7
Client Sample ID :	CCB031	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:16:44	DataFile Name :	061CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	267	243	180	230	19.50	cps
Vanadium	51-2	80	107	87	91	15.23	cps
Yttrium	89-1	9161887	9211673	9211885	9195148	0.31	cps
Yttrium	89-2	2434622	2433791	2381380	2416598	1.26	cps
Zinc	66-2	1050	1190	1013	1084	8.60	cps
Zirconium	90-1	1173	1137	990	1100	8.82	cps
Zirconium	91-1	320	277	197	264	23.66	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164279BS	Instrumnet Name :	P7
Client Sample ID :	LCS279	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:20:00	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6115	6051	6045	6070	0.64	cps
Antimony	121-1	22381	22872	23129	22794	1.67	cps
Arsenic	75-2	800	740	753	764	4.12	cps
Barium	135-1	25473	25877	26448	25933	1.89	cps
Barium	137-1	43797	44255	44282	44112	0.62	cps
Beryllium	9-1	1290	1243	1303	1279	2.46	cps
Bismuth	209-1	3369317	3444844	3397351	3403837	1.12	cps
Bismuth	209-2	2807247	2807768	2800109	2805041	0.15	cps
Bromine	81-1	6391	6205	6078	6225	2.53	cps
Bromine	81-2	60	53	53	56	6.93	cps
Cadmium	108-1	253	243	200	232	12.21	cps
Cadmium	106-1	1737	1983	1693	1805	8.67	cps
Cadmium	111-1	4235	4322	4416	4324	2.09	cps
Calcium	43-1	15601	15968	16179	15916	1.84	cps
Calcium	44-1	271787	274591	280881	275753	1.69	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12645	12896	13279	12940	2.47	cps
Cobalt	59-2	8629	8543	8723	8631	1.04	cps
Copper	63-2	13473	13897	13877	13749	1.74	cps
Dysprosium	156-1	220	193	200	204	6.79	cps
Dysprosium	156-2	33	63	43	47	32.74	cps
Erbium	164-1	63	37	57	52	26.57	cps
Erbium	164-2	37	17	27	27	37.50	cps
Gadolinium	160-1	20	27	37	28	30.20	cps
Gadolinium	160-2	147	157	137	147	6.82	cps
Holmium	165-1	5725915	5637463	5867324	5743567	2.02	cps
Holmium	165-2	3924957	3979020	3908487	3937488	0.94	cps
Indium	115-1	5095208	4997587	5056967	5049920	0.97	cps
Indium	115-2	1774054	1790677	1813368	1792700	1.10	cps
Iron	56-2	987534	1001710	997324	995523	0.73	cps
Iron	57-2	27412	28106	27762	27760	1.25	cps
Iron	54-2	57071	57051	56917	57013	0.15	cps
Krypton	83-1	220	153	230	201	20.72	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164279BS	Instrumnet Name :	P7
Client Sample ID :	LCS279	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:20:00	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6932	7072	6942	6982	1.12	cps
Lead	207-1	5985	6335	6462	6260	3.95	cps
Lead	208-1	27544	28645	28322	28171	2.01	cps
Lithium	6-1	425172	425698	418710	423193	0.92	cps
Magnesium	24-2	252159	249070	250913	250714	0.62	cps
Manganese	55-2	4711	4717	4951	4793	2.85	cps
Molybdenum	94-1	25178	24544	25222	24981	1.52	cps
Molybdenum	95-1	29036	30104	29964	29701	1.96	cps
Molybdenum	96-1	32085	33625	33188	32966	2.41	cps
Molybdenum	97-1	18085	18138	18515	18246	1.29	cps
Molybdenum	98-1	46855	47260	47297	47137	0.52	cps
Neodymium	150-1	7	3	20	10	88.20	cps
Neodymium	150-2	7	13	7	9	43.25	cps
Nickel	60-2	2484	2394	2254	2377	4.88	cps
Phosphorus	31-2	200	163	143	169	17.01	cps
Potassium	39-2	413352	415162	414483	414332	0.22	cps
Rhodium	103-1	4949865	4937812	4960165	4949281	0.23	cps
Rhodium	103-2	3045777	3025337	2975860	3015658	1.19	cps
Scandium	45-1	3142023	3197308	3171929	3170420	0.87	cps
Scandium	45-2	298994	298759	300155	299303	0.25	cps
Selenium	82-1	1205	1328	1261	1265	4.89	cps
Selenium	77-2	103	73	123	100	25.17	cps
Selenium	78-2	690	707	767	721	5.59	cps
Silicon	28-1	319328	323162	326007	322832	1.04	cps
Silver	107-1	12832	13306	13603	13247	2.93	cps
Silver	109-1	11958	12626	13019	12534	4.28	cps
Sodium	23-2	445456	447057	448984	447166	0.40	cps
Strontium	86-1	4417	4424	4844	4562	5.36	cps
Strontium	88-1	37224	37722	37675	37540	0.73	cps
Sulfur	34-1	176573	177025	178687	177429	0.63	cps
Terbium	159-1	5898194	5886590	5978221	5921001	0.84	cps
Terbium	159-2	3925182	3900171	3909015	3911456	0.32	cps
Thallium	203-1	8119	8493	8529	8380	2.71	cps
Thallium	205-1	20052	19057	19551	19553	2.54	cps
Tin	118-1	1420	1460	1727	1536	10.86	cps
Titanium	47-1	8006	7855	8356	8072	3.18	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164279BS	Instrumnet Name :	P7
Client Sample ID :	LCS279	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:20:00	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	22546	22713	23494	22918	2.21	cps
Vanadium	51-2	24654	24166	23983	24267	1.43	cps
Yttrium	89-1	8881933	9202299	9066243	9050158	1.78	cps
Yttrium	89-2	2358704	2347097	2347863	2351221	0.28	cps
Zinc	66-2	5714	5234	5404	5451	4.47	cps
Zirconium	90-1	21442	22237	22027	21902	1.88	cps
Zirconium	91-1	4898	4968	4881	4915	0.94	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164279BL	Instrumnet Name :	P7
Client Sample ID :	PBS279	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:33:34	DataFile Name :	063LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	333	363	290	329	11.21	cps
Antimony	121-1	177	153	177	169	7.98	cps
Arsenic	75-2	20	3	3	9	108.30	cps
Barium	135-1	153	127	167	149	13.68	cps
Barium	137-1	360	277	203	280	28.00	cps
Beryllium	9-1	33	17	37	29	37.08	cps
Bismuth	209-1	3268878	3252208	3264466	3261851	0.26	cps
Bismuth	209-2	2632294	2631682	2724894	2662957	2.01	cps
Bromine	81-1	6515	6752	6495	6587	2.17	cps
Bromine	81-2	60	63	57	60	5.55	cps
Cadmium	108-1	7	13	7	9	43.25	cps
Cadmium	106-1	1290	1253	1277	1273	1.46	cps
Cadmium	111-1	912	878	909	900	2.08	cps
Calcium	43-1	387	307	330	341	12.06	cps
Calcium	44-1	15588	15398	15725	15570	1.05	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	653	647	787	696	11.35	cps
Cobalt	59-2	100	113	97	103	8.53	cps
Copper	63-2	1280	1290	1057	1209	10.91	cps
Dysprosium	156-1	200	157	137	164	19.69	cps
Dysprosium	156-2	37	57	43	46	22.36	cps
Erbium	164-1	33	30	23	29	17.63	cps
Erbium	164-2	17	37	13	22	56.80	cps
Gadolinium	160-1	50	13	40	34	55.04	cps
Gadolinium	160-2	173	167	127	156	16.23	cps
Holmium	165-1	5467955	5554768	5503831	5508851	0.79	cps
Holmium	165-2	3844130	3804155	3831873	3826719	0.54	cps
Indium	115-1	4948140	5007666	4931153	4962320	0.81	cps
Indium	115-2	1753085	1715333	1748901	1739106	1.19	cps
Iron	56-2	14017	13860	14037	13971	0.69	cps
Iron	57-2	2754	2947	3154	2951	6.78	cps
Iron	54-2	1710	1733	1670	1705	1.88	cps
Krypton	83-1	217	187	270	224	18.81	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164279BL	Instrumnet Name :	P7
Client Sample ID :	PBS279	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:33:34	DataFile Name :	063LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	360	330	323	338	5.78	cps
Lead	207-1	270	333	357	320	14.01	cps
Lead	208-1	1393	1313	1343	1350	2.99	cps
Lithium	6-1	409742	418249	409184	412392	1.23	cps
Magnesium	24-2	613	550	487	550	11.52	cps
Manganese	55-2	517	533	487	512	4.62	cps
Molybdenum	94-1	327	353	273	318	12.82	cps
Molybdenum	95-1	270	287	253	270	6.17	cps
Molybdenum	96-1	333	250	233	272	19.68	cps
Molybdenum	97-1	200	150	177	176	14.25	cps
Molybdenum	98-1	357	367	303	342	9.95	cps
Neodymium	150-1	10	0	3	4	114.60	cps
Neodymium	150-2	3	0	3	2	86.60	cps
Nickel	60-2	147	133	193	158	19.97	cps
Phosphorus	31-2	127	120	177	141	21.95	cps
Potassium	39-2	87466	85270	85414	86050	1.43	cps
Rhodium	103-1	4853894	4829121	4893125	4858713	0.66	cps
Rhodium	103-2	2986194	2970965	2952297	2969819	0.57	cps
Scandium	45-1	3062886	3203474	3152435	3139598	2.27	cps
Scandium	45-2	300302	299617	295844	298588	0.80	cps
Selenium	82-1	343	333	270	315	12.61	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	387	350	320	352	9.48	cps
Silicon	28-1	273218	275004	276699	274974	0.63	cps
Silver	107-1	127	93	83	101	22.44	cps
Silver	109-1	30	67	33	43	46.80	cps
Sodium	23-2	38923	38338	38882	38714	0.84	cps
Strontium	86-1	620	567	617	601	4.97	cps
Strontium	88-1	2287	2380	1930	2199	10.80	cps
Sulfur	34-1	187022	187241	186796	187020	0.12	cps
Terbium	159-1	5618642	5784067	5752484	5718398	1.54	cps
Terbium	159-2	3839371	3834902	3855519	3843264	0.28	cps
Thallium	203-1	197	190	163	183	9.62	cps
Thallium	205-1	443	350	417	403	11.92	cps
Tin	118-1	1420	1667	1580	1556	8.04	cps
Titanium	47-1	143	180	127	150	18.19	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164279BL	Instrumnet Name :	P7
Client Sample ID :	PBS279	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:33:34	DataFile Name :	063LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	73	93	77	81	13.21	cps
Vanadium	51-2	23	20	17	20	16.65	cps
Yttrium	89-1	8773753	9088397	8804465	8888872	1.95	cps
Yttrium	89-2	2357318	2342711	2335017	2345015	0.48	cps
Zinc	66-2	597	547	530	558	6.22	cps
Zirconium	90-1	517	563	497	526	6.51	cps
Zirconium	91-1	113	107	120	113	5.88	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164279BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD279	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:36:50	DataFile Name :	064LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7985	8322	7622	7977	4.39	cps
Antimony	121-1	10958	11321	10974	11084	1.85	cps
Arsenic	75-2	413	370	373	386	6.25	cps
Barium	135-1	12549	12706	12379	12544	1.30	cps
Barium	137-1	21570	21606	22017	21731	1.14	cps
Beryllium	9-1	603	733	690	676	9.80	cps
Bismuth	209-1	3088813	3387320	3337787	3271306	4.89	cps
Bismuth	209-2	2753261	2727600	2726205	2735689	0.56	cps
Bromine	81-1	6238	6265	6508	6337	2.35	cps
Bromine	81-2	77	37	77	63	36.46	cps
Cadmium	108-1	143	127	110	127	13.16	cps
Cadmium	106-1	1570	1673	1490	1578	5.83	cps
Cadmium	111-1	2676	2746	2580	2667	3.14	cps
Calcium	43-1	7475	8069	7819	7788	3.83	cps
Calcium	44-1	139996	142640	144034	142223	1.44	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6825	6915	6962	6901	1.01	cps
Cobalt	59-2	4221	4311	4191	4241	1.47	cps
Copper	63-2	7579	7285	7742	7535	3.07	cps
Dysprosium	156-1	167	193	143	168	14.91	cps
Dysprosium	156-2	40	33	40	38	10.19	cps
Erbium	164-1	40	33	40	38	10.19	cps
Erbium	164-2	37	20	27	28	30.20	cps
Gadolinium	160-1	20	30	23	24	20.83	cps
Gadolinium	160-2	147	170	147	154	8.72	cps
Holmium	165-1	5267774	5619372	5590396	5492514	3.55	cps
Holmium	165-2	3882256	3852651	3867177	3867362	0.38	cps
Indium	115-1	4637809	5052382	5070295	4920162	4.97	cps
Indium	115-2	1766826	1770677	1804866	1780790	1.18	cps
Iron	56-2	498174	495081	490819	494691	0.75	cps
Iron	57-2	15451	15034	14978	15154	1.71	cps
Iron	54-2	28851	27993	28748	28530	1.64	cps
Krypton	83-1	150	263	263	226	29.01	cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164279BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD279	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:36:50	DataFile Name :	064LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3397	3641	3541	3526	3.47	cps
Lead	207-1	2830	2944	3117	2964	4.87	cps
Lead	208-1	13209	14010	13976	13732	3.30	cps
Lithium	6-1	388539	416368	410406	405104	3.62	cps
Magnesium	24-2	123558	122537	121976	122690	0.65	cps
Manganese	55-2	2690	2650	2867	2736	4.22	cps
Molybdenum	94-1	11985	11731	12165	11961	1.82	cps
Molybdenum	95-1	14047	14197	14841	14362	2.94	cps
Molybdenum	96-1	15679	15925	16429	16011	2.39	cps
Molybdenum	97-1	9120	9193	8979	9097	1.19	cps
Molybdenum	98-1	23078	23382	23142	23201	0.69	cps
Neodymium	150-1	0	7	10	6	91.64	cps
Neodymium	150-2	10	7	0	6	91.64	cps
Nickel	60-2	1340	1247	1220	1269	4.97	cps
Phosphorus	31-2	170	173	137	160	12.67	cps
Potassium	39-2	245705	245387	246707	245933	0.28	cps
Rhodium	103-1	4613528	4999132	4915881	4842847	4.19	cps
Rhodium	103-2	2997721	3040145	2981018	3006295	1.01	cps
Scandium	45-1	2899721	3126818	3159891	3062143	4.63	cps
Scandium	45-2	299781	298486	301587	299952	0.52	cps
Selenium	82-1	794	714	724	744	5.86	cps
Selenium	77-2	60	20	17	32	74.83	cps
Selenium	78-2	483	603	507	531	11.98	cps
Silicon	28-1	298000	299549	300327	299292	0.40	cps
Silver	107-1	6401	6485	6772	6553	2.96	cps
Silver	109-1	6108	6125	6315	6182	1.86	cps
Sodium	23-2	233640	233216	234724	233860	0.33	cps
Strontium	86-1	2527	2420	2387	2445	2.99	cps
Strontium	88-1	18065	18485	18552	18367	1.44	cps
Sulfur	34-1	180316	179884	181133	180444	0.35	cps
Terbium	159-1	5363669	5813190	5872451	5683103	4.90	cps
Terbium	159-2	3916826	3891665	3799282	3869257	1.60	cps
Thallium	203-1	4101	4144	3961	4068	2.36	cps
Thallium	205-1	9403	9503	9317	9408	0.99	cps
Tin	118-1	1333	1383	1333	1350	2.14	cps
Titanium	47-1	4084	3867	4081	4011	3.10	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164279BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD279	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:36:50	DataFile Name :	064LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10988	10905	10988	10960	0.44	cps
Vanadium	51-2	11871	12125	11891	11963	1.18	cps
Yttrium	89-1	8238281	9050283	9040111	8776225	5.31	cps
Yttrium	89-2	2374011	2376766	2320769	2357182	1.34	cps
Zinc	66-2	3120	3120	3290	3177	3.09	cps
Zirconium	90-1	10317	10260	10958	10512	3.68	cps
Zirconium	91-1	2357	2180	2274	2270	3.89	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-10	Instrumnet Name :	P7
Client Sample ID :	MYDBC1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:40:09	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9363002	9137392	9247330	9249241	1.22	cps
Antimony	121-1	6228	6688	6658	6525	3.95	cps
Arsenic	75-2	29519	29583	28868	29323	1.35	cps
Barium	135-1	1825091	1812489	1864030	1833870	1.47	cps
Barium	137-1	3149938	3148593	3173485	3157339	0.44	cps
Beryllium	9-1	1953	1987	1943	1961	1.16	cps
Bismuth	209-1	3474938	3486343	3547176	3502819	1.11	cps
Bismuth	209-2	2813762	2773488	2774989	2787413	0.82	cps
Bromine	81-1	8539	9100	9536	9058	5.52	cps
Bromine	81-2	683	683	687	684	0.28	cps
Cadmium	108-1	877	830	853	853	2.73	cps
Cadmium	106-1	3134	3177	2980	3097	3.34	cps
Cadmium	111-1	9289	9488	9098	9292	2.10	cps
Calcium	43-1	411616	421290	420593	417833	1.29	cps
Calcium	44-1	6461660	6680084	6604723	6582156	1.69	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	406959	404033	404960	405317	0.37	cps
Cobalt	59-2	231190	226102	229229	228841	1.12	cps
Copper	63-2	2423400	2430822	2379421	2411214	1.15	cps
Dysprosium	156-1	74258	75475	75950	75228	1.16	cps
Dysprosium	156-2	68751	68730	68626	68702	0.10	cps
Erbium	164-1	45022	45678	45996	45565	1.09	cps
Erbium	164-2	30052	30102	30664	30273	1.12	cps
Gadolinium	160-1	62853	63553	63255	63221	0.56	cps
Gadolinium	160-2	45397	46049	44133	45193	2.16	cps
Holmium	165-1	5809544	5910521	5890448	5870171	0.91	cps
Holmium	165-2	4037448	3996024	4035980	4023151	0.58	cps
Indium	115-1	5227009	5278109	5222761	5242626	0.59	cps
Indium	115-2	1805481	1774913	1798621	1793005	0.89	cps
Iron	56-2	212041417	207921404	209339937	209767586	1.00	cps
Iron	57-2	5127398	5171652	5196187	5165079	0.67	cps
Iron	54-2	11598619	11648639	11589141	11612133	0.28	cps
Krypton	83-1	297	247	320	288	13.02	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-10	Instrumnet Name :	P7
Client Sample ID :	MYDBC1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:40:09	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	568226	581846	584108	578060	1.49	cps
Lead	207-1	496786	508796	507114	504232	1.29	cps
Lead	208-1	2258403	2293565	2301009	2284326	1.00	cps
Lithium	6-1	418315	428565	413342	420074	1.85	cps
Magnesium	24-2	5590294	5503224	5590281	5561266	0.90	cps
Manganese	55-2	5866309	5738392	5791292	5798664	1.11	cps
Molybdenum	94-1	200487	205213	208123	204608	1.88	cps
Molybdenum	95-1	2960	4804	2810	3525	31.49	cps
Molybdenum	96-1	37191	39916	39647	38918	3.86	cps
Molybdenum	97-1	1737	2474	1743	1985	21.35	cps
Molybdenum	98-1	4361	5831	4477	4890	16.71	cps
Neodymium	150-1	184261	188654	190493	187802	1.71	cps
Neodymium	150-2	109168	107294	107348	107937	0.99	cps
Nickel	60-2	243616	238985	240597	241066	0.98	cps
Phosphorus	31-2	45955	44946	45514	45472	1.11	cps
Potassium	39-2	3244004	3170594	3181229	3198609	1.24	cps
Rhodium	103-1	4951041	5044135	4975709	4990295	0.97	cps
Rhodium	103-2	3032969	3027741	2984141	3014950	0.89	cps
Scandium	45-1	3457604	3496913	3479578	3478032	0.57	cps
Scandium	45-2	336042	334912	334238	335064	0.27	cps
Selenium	82-1	497	585	534	539	8.22	cps
Selenium	77-2	267	340	330	312	12.74	cps
Selenium	78-2	547	653	587	596	9.05	cps
Silicon	28-1	21185362	21199238	21520967	21301856	0.89	cps
Silver	107-1	16550	16226	16827	16534	1.82	cps
Silver	109-1	15885	15809	15538	15744	1.16	cps
Sodium	23-2	187221	184714	187346	186427	0.80	cps
Strontium	86-1	518818	529410	530325	526184	1.22	cps
Strontium	88-1	4786612	4820128	4841986	4816242	0.58	cps
Sulfur	34-1	170958	162052	160129	164380	3.51	cps
Terbium	159-1	6153598	6107726	6057854	6106393	0.78	cps
Terbium	159-2	4077763	3972011	3988573	4012783	1.42	cps
Thallium	203-1	2400	2470	2377	2416	2.01	cps
Thallium	205-1	5561	5668	5535	5588	1.26	cps
Tin	118-1	29323	29570	30349	29747	1.80	cps
Titanium	47-1	1855923	1884486	1903853	1881421	1.28	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-10	Instrumnet Name :	P7
Client Sample ID :	MYDBC1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:40:09	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	26860	26540	26723	26708	0.60	cps
Vanadium	51-2	394500	388554	387139	390064	1.00	cps
Yttrium	89-1	10002304	10128987	10277302	10136198	1.36	cps
Yttrium	89-2	2617254	2655547	2600022	2624274	1.08	cps
Zinc	66-2	281320	281987	279950	281086	0.37	cps
Zirconium	90-1	548261	561349	561779	557130	1.38	cps
Zirconium	91-1	120726	122998	124759	122827	1.65	cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-11	Instrumnet Name :	P7
Client Sample ID :	MYDBC2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:43:35	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5730522	5724885	5711879	5722429	0.17	cps
Antimony	121-1	16930	15749	18028	16902	6.74	cps
Arsenic	75-2	67693	68142	67020	67619	0.83	cps
Barium	135-1	865515	812543	892167	856742	4.73	cps
Barium	137-1	1600314	1490127	1644799	1578413	5.04	cps
Beryllium	9-1	1253	1277	1147	1226	5.66	cps
Bismuth	209-1	3571048	4072201	3149834	3597694	12.83	cps
Bismuth	209-2	2795738	2795842	2823731	2805104	0.58	cps
Bromine	81-1	7439	7499	7512	7483	0.52	cps
Bromine	81-2	390	360	327	359	8.83	cps
Cadmium	108-1	1130	1037	1147	1104	5.37	cps
Cadmium	106-1	3327	3510	3054	3297	6.97	cps
Cadmium	111-1	14844	14014	15258	14705	4.31	cps
Calcium	43-1	225795	213691	231766	223751	4.12	cps
Calcium	44-1	3641932	3381944	3657372	3560416	4.35	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	315408	314270	311101	313593	0.71	cps
Cobalt	59-2	210177	208544	214047	210923	1.34	cps
Copper	63-2	5268007	5138059	5189512	5198526	1.26	cps
Dysprosium	156-1	56818	52378	57946	55714	5.28	cps
Dysprosium	156-2	51885	52233	51795	51971	0.45	cps
Erbium	164-1	36962	34834	37821	36539	4.21	cps
Erbium	164-2	25667	25069	25330	25355	1.18	cps
Gadolinium	160-1	48581	44595	49183	47453	5.25	cps
Gadolinium	160-2	35431	35739	34619	35263	1.64	cps
Holmium	165-1	5961305	6872898	5183172	6005792	14.08	cps
Holmium	165-2	4039068	3967620	4031691	4012793	0.98	cps
Indium	115-1	5123616	6009616	4497294	5210175	14.58	cps
Indium	115-2	1794015	1779845	1831409	1801756	1.48	cps
Iron	56-2	179494897	179409324	178436204	179113475	0.33	cps
Iron	57-2	4468328	4410549	4433381	4437419	0.66	cps
Iron	54-2	9941345	9853217	9864718	9886427	0.48	cps
Krypton	83-1	253	470	310	344	32.62	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-11	Instrumnet Name :	P7
Client Sample ID :	MYDBC2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:43:35	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	928471	866212	952864	915849	4.88	cps
Lead	207-1	815876	771013	840169	809019	4.34	cps
Lead	208-1	3986018	3760310	4154606	3966978	4.99	cps
Lithium	6-1	428979	478415	365002	424132	13.41	cps
Magnesium	24-2	4116754	4098991	4069933	4095226	0.58	cps
Manganese	55-2	5400390	5401009	5435197	5412199	0.37	cps
Molybdenum	94-1	139996	133707	146374	140026	4.52	cps
Molybdenum	95-1	4427	4137	4317	4294	3.41	cps
Molybdenum	96-1	28862	27820	29844	28842	3.51	cps
Molybdenum	97-1	2587	2550	2660	2599	2.16	cps
Molybdenum	98-1	6565	6468	6858	6630	3.06	cps
Neodymium	150-1	127107	117548	131560	125405	5.71	cps
Neodymium	150-2	74831	76432	75185	75483	1.11	cps
Nickel	60-2	131797	129824	130466	130695	0.77	cps
Phosphorus	31-2	31823	31987	31796	31869	0.32	cps
Potassium	39-2	2479534	2506933	2478522	2488329	0.65	cps
Rhodium	103-1	5068242	5863609	4426253	5119368	14.07	cps
Rhodium	103-2	3098079	2975965	3044812	3039619	2.01	cps
Scandium	45-1	3414315	3915960	3033260	3454512	12.82	cps
Scandium	45-2	329752	326076	326634	327487	0.60	cps
Selenium	82-1	664	571	609	614	7.63	cps
Selenium	77-2	293	247	193	244	20.47	cps
Selenium	78-2	597	563	610	590	4.07	cps
Silicon	28-1	19953378	18300450	19757131	19336986	4.67	cps
Silver	107-1	20334	18856	21019	20070	5.51	cps
Silver	109-1	18909	18025	19550	18828	4.07	cps
Sodium	23-2	228498	229599	227794	228630	0.40	cps
Strontium	86-1	380291	358299	395853	378148	4.99	cps
Strontium	88-1	3482892	3276258	3606944	3455365	4.83	cps
Sulfur	34-1	158744	153852	157199	156598	1.60	cps
Terbium	159-1	6134033	7148723	5369659	6217471	14.35	cps
Terbium	159-2	4077519	4038726	4002562	4039602	0.93	cps
Thallium	203-1	2834	2820	2904	2853	1.57	cps
Thallium	205-1	6272	6762	6805	6613	4.48	cps
Tin	118-1	33352	31795	34996	33381	4.79	cps
Titanium	47-1	1757144	1615988	1845881	1739671	6.66	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-11	Instrumnet Name :	P7
Client Sample ID :	MYDBC2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:43:35	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	23337	21912	23811	23020	4.30	cps
Vanadium	51-2	321205	321014	322159	321459	0.19	cps
Yttrium	89-1	10165780	11562535	8959465	10229260	12.73	cps
Yttrium	89-2	2682576	2587176	2625714	2631822	1.82	cps
Zinc	66-2	407245	407607	403852	406235	0.51	cps
Zirconium	90-1	382348	363219	400399	381989	4.87	cps
Zirconium	91-1	85286	80203	89270	84920	5.35	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-12	Instrumnet Name :	P7
Client Sample ID :	MYDBC3	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:46:42	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8735361	8675074	8819902	8743446	0.83	cps
Antimony	121-1	29280	29968	29500	29583	1.19	cps
Arsenic	75-2	114386	115189	114189	114588	0.46	cps
Barium	135-1	1264468	1279561	1290853	1278294	1.04	cps
Barium	137-1	2383311	2417415	2401895	2400874	0.71	cps
Beryllium	9-1	1907	1937	1930	1925	0.82	cps
Bismuth	209-1	3744807	3675108	3722580	3714165	0.96	cps
Bismuth	209-2	2955033	2582311	2859625	2798990	6.92	cps
Bromine	81-1	8506	8422	8853	8594	2.66	cps
Bromine	81-2	530	567	670	589	12.33	cps
Cadmium	108-1	2270	2164	2127	2187	3.41	cps
Cadmium	106-1	5118	5054	4767	4980	3.75	cps
Cadmium	111-1	28771	29496	29542	29270	1.48	cps
Calcium	43-1	335369	341646	346979	341331	1.70	cps
Calcium	44-1	5287801	5488570	5371092	5382488	1.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	441731	441908	442731	442123	0.12	cps
Cobalt	59-2	301856	305140	305141	304045	0.62	cps
Copper	63-2	10133920	10276849	10168037	10192935	0.73	cps
Dysprosium	156-1	79567	80931	81260	80586	1.11	cps
Dysprosium	156-2	72971	74175	73156	73434	0.88	cps
Erbium	164-1	48992	50243	51126	50121	2.14	cps
Erbium	164-2	33951	33714	34449	34038	1.10	cps
Gadolinium	160-1	67542	68989	68349	68293	1.06	cps
Gadolinium	160-2	48721	48490	48985	48732	0.51	cps
Holmium	165-1	5872510	5910655	5803616	5862260	0.93	cps
Holmium	165-2	4029518	3486337	3839479	3785111	7.28	cps
Indium	115-1	5088073	5276201	5166410	5176894	1.83	cps
Indium	115-2	1835754	1523281	1691255	1683430	9.29	cps
Iron	56-2	251319996	254712870	248984356	251672407	1.14	cps
Iron	57-2	6251886	6271131	6190811	6237943	0.67	cps
Iron	54-2	13764372	14053282	13910539	13909398	1.04	cps
Krypton	83-1	330	343	323	332	3.07	cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-12	Instrumnet Name :	P7
Client Sample ID :	MYDBC3	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:46:42	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2768387	2845834	2811785	2808668	1.38	cps
Lead	207-1	2505550	2501313	2539454	2515439	0.83	cps
Lead	208-1	11120308	11238973	11353400	11237560	1.04	cps
Lithium	6-1	436259	429910	426841	431003	1.11	cps
Magnesium	24-2	4837869	4813665	4786090	4812541	0.54	cps
Manganese	55-2	6789683	6846313	6721785	6785927	0.92	cps
Molybdenum	94-1	203971	209221	211363	208185	1.83	cps
Molybdenum	95-1	6035	6368	6171	6191	2.71	cps
Molybdenum	96-1	41883	42783	42966	42544	1.36	cps
Molybdenum	97-1	3681	3774	4027	3827	4.69	cps
Molybdenum	98-1	9533	9673	9613	9607	0.73	cps
Neodymium	150-1	189641	190081	192840	190854	0.91	cps
Neodymium	150-2	112582	111799	110321	111567	1.03	cps
Nickel	60-2	218218	218757	218070	218348	0.17	cps
Phosphorus	31-2	41586	41503	41055	41381	0.69	cps
Potassium	39-2	2974199	2940821	3029010	2981343	1.49	cps
Rhodium	103-1	5027607	4996272	4975885	4999921	0.52	cps
Rhodium	103-2	3038829	2601362	2814025	2818072	7.76	cps
Scandium	45-1	3441908	3499870	3461878	3467886	0.85	cps
Scandium	45-2	334729	290255	314769	313251	7.11	cps
Selenium	82-1	874	797	787	819	5.80	cps
Selenium	77-2	350	420	343	371	11.44	cps
Selenium	78-2	693	750	813	752	7.98	cps
Silicon	28-1	18935973	19032056	19127286	19031772	0.50	cps
Silver	107-1	63880	65869	65219	64989	1.56	cps
Silver	109-1	60914	61667	62410	61664	1.21	cps
Sodium	23-2	202684	202409	203980	203024	0.41	cps
Strontium	86-1	405034	415198	411816	410683	1.26	cps
Strontium	88-1	3716937	3786688	3770131	3757919	0.97	cps
Sulfur	34-1	175464	175562	170664	173897	1.61	cps
Terbium	159-1	6178271	6182665	6112157	6157698	0.64	cps
Terbium	159-2	3992948	3476186	3880567	3783234	7.18	cps
Thallium	203-1	3394	3560	3504	3486	2.43	cps
Thallium	205-1	8086	8373	8163	8207	1.81	cps
Tin	118-1	58384	60476	59539	59466	1.76	cps
Titanium	47-1	1848442	1897315	1883692	1876483	1.34	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-12	Instrumnet Name :	P7
Client Sample ID :	MYDBC3	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:46:42	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	30478	30425	29519	30141	1.79	cps
Vanadium	51-2	440697	442814	440137	441216	0.32	cps
Yttrium	89-1	10114266	10286692	10117347	10172768	0.97	cps
Yttrium	89-2	2618655	2322693	2516149	2485832	6.05	cps
Zinc	66-2	821326	827601	823981	824303	0.38	cps
Zirconium	90-1	555172	571323	569242	565246	1.55	cps
Zirconium	91-1	123950	126057	125156	125054	0.85	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-13	Instrumnet Name :	P7
Client Sample ID :	MYDBC4	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:49:44	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8527142	8469252	8409074	8468489	0.70	cps
Antimony	121-1	12739	12899	13350	12996	2.44	cps
Arsenic	75-2	74181	73782	73779	73914	0.31	cps
Barium	135-1	1164643	1205918	1184088	1184883	1.74	cps
Barium	137-1	2225487	2233018	2262859	2240454	0.88	cps
Beryllium	9-1	1890	1990	1897	1926	2.90	cps
Bismuth	209-1	3625658	3504824	3562015	3564166	1.70	cps
Bismuth	209-2	2839506	2867207	2852409	2853041	0.49	cps
Bromine	81-1	8696	9166	9066	8976	2.76	cps
Bromine	81-2	627	560	610	599	5.79	cps
Cadmium	108-1	1447	1457	1350	1418	4.15	cps
Cadmium	106-1	4101	3944	4117	4054	2.36	cps
Cadmium	111-1	17783	18177	18163	18041	1.24	cps
Calcium	43-1	362168	368440	366250	365619	0.87	cps
Calcium	44-1	5795364	5827770	5837374	5820169	0.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	409530	408565	408953	409016	0.12	cps
Cobalt	59-2	256330	258138	259251	257906	0.57	cps
Copper	63-2	5716832	5519871	5635340	5624014	1.76	cps
Dysprosium	156-1	75414	78404	76876	76898	1.94	cps
Dysprosium	156-2	69471	70613	70713	70266	0.98	cps
Erbium	164-1	47253	47798	49384	48145	2.30	cps
Erbium	164-2	32120	32668	32207	32332	0.91	cps
Gadolinium	160-1	65710	65258	66085	65684	0.63	cps
Gadolinium	160-2	46908	46677	47189	46925	0.55	cps
Holmium	165-1	5938315	5914429	6012375	5955040	0.86	cps
Holmium	165-2	4050887	4088766	4075536	4071730	0.47	cps
Indium	115-1	5157304	5276613	5091616	5175177	1.81	cps
Indium	115-2	1805166	1791219	1776096	1790827	0.81	cps
Iron	56-2	213950510	213918670	214536277	214135152	0.16	cps
Iron	57-2	5370120	5312188	5363833	5348714	0.59	cps
Iron	54-2	11844218	11936363	11842194	11874258	0.45	cps
Krypton	83-1	273	293	263	277	5.52	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-13	Instrumnet Name :	P7
Client Sample ID :	MYDBC4	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:49:44	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1215431	1237600	1229326	1227452	0.91	cps
Lead	207-1	1059750	1078181	1066427	1068119	0.87	cps
Lead	208-1	5279687	5274227	5251150	5268355	0.29	cps
Lithium	6-1	448990	411842	417446	426093	4.70	cps
Magnesium	24-2	4699033	4690210	4687985	4692410	0.12	cps
Manganese	55-2	6027564	6049386	5930864	6002605	1.05	cps
Molybdenum	94-1	176140	183368	184826	181445	2.56	cps
Molybdenum	95-1	3500	3620	3377	3499	3.48	cps
Molybdenum	96-1	34377	34127	36890	35131	4.35	cps
Molybdenum	97-1	1967	2120	2157	2081	4.84	cps
Molybdenum	98-1	5248	5634	5484	5456	3.57	cps
Neodymium	150-1	179117	181363	184565	181682	1.51	cps
Neodymium	150-2	107569	105655	105021	106082	1.25	cps
Nickel	60-2	218833	218046	217337	218072	0.34	cps
Phosphorus	31-2	39290	39564	38963	39273	0.77	cps
Potassium	39-2	2750081	2727190	2762647	2746639	0.65	cps
Rhodium	103-1	5080909	4979990	5102560	5054486	1.29	cps
Rhodium	103-2	3047602	3053163	3052269	3051011	0.10	cps
Scandium	45-1	3533784	3463784	3505966	3501178	1.01	cps
Scandium	45-2	334108	334416	334013	334179	0.06	cps
Selenium	82-1	711	731	671	704	4.34	cps
Selenium	77-2	330	363	350	348	4.82	cps
Selenium	78-2	663	647	820	710	13.47	cps
Silicon	28-1	22066047	22101404	22563529	22243660	1.25	cps
Silver	107-1	29750	30763	30525	30346	1.74	cps
Silver	109-1	28254	28869	29153	28759	1.60	cps
Sodium	23-2	194458	194823	195836	195039	0.37	cps
Strontium	86-1	410821	415230	424132	416728	1.63	cps
Strontium	88-1	3686021	3837818	3866822	3796887	2.56	cps
Sulfur	34-1	167002	164347	162372	164573	1.41	cps
Terbium	159-1	6186195	6208709	6110543	6168482	0.83	cps
Terbium	159-2	4037337	4029338	4018297	4028324	0.24	cps
Thallium	203-1	2860	2660	2860	2794	4.13	cps
Thallium	205-1	6635	6388	6552	6525	1.92	cps
Tin	118-1	37155	37094	37850	37366	1.12	cps
Titanium	47-1	1719758	1714285	1818604	1750882	3.35	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-13	Instrumnet Name :	P7
Client Sample ID :	MYDBC4	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:49:44	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	26557	27275	27071	26967	1.37	cps
Vanadium	51-2	403559	406781	401868	404069	0.62	cps
Yttrium	89-1	10012346	10400823	10183550	10198906	1.91	cps
Yttrium	89-2	2637354	2673446	2666241	2659014	0.72	cps
Zinc	66-2	527257	527414	528552	527741	0.13	cps
Zirconium	90-1	480835	501878	494416	492376	2.17	cps
Zirconium	91-1	108317	109925	111346	109863	1.38	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-14	Instrumnet Name :	P7
Client Sample ID :	MYDBC5	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:52:49	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11532566	11656326	11623617	11604170	0.55	cps
Antimony	121-1	32143	32146	32620	32303	0.85	cps
Arsenic	75-2	102608	101776	101111	101832	0.74	cps
Barium	135-1	1738718	1728492	1740127	1735779	0.37	cps
Barium	137-1	2972560	2979580	2990783	2980975	0.31	cps
Beryllium	9-1	2550	2680	2290	2507	7.92	cps
Bismuth	209-1	3629696	3585616	3622329	3612547	0.65	cps
Bismuth	209-2	2890857	2861442	2892556	2881618	0.61	cps
Bromine	81-1	8819	9330	9500	9216	3.84	cps
Bromine	81-2	773	727	610	703	11.96	cps
Cadmium	108-1	1753	1753	1687	1731	2.22	cps
Cadmium	106-1	4621	4507	4461	4530	1.82	cps
Cadmium	111-1	22205	21728	21996	21976	1.09	cps
Calcium	43-1	403929	410273	411872	408691	1.03	cps
Calcium	44-1	6331172	6518299	6476910	6442127	1.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	576406	578050	585104	579853	0.80	cps
Cobalt	59-2	325805	327779	327745	327109	0.35	cps
Copper	63-2	6612565	6656874	6743245	6670894	1.00	cps
Dysprosium	156-1	98049	97754	98321	98041	0.29	cps
Dysprosium	156-2	88624	88507	89479	88870	0.60	cps
Erbium	164-1	61247	61558	62777	61861	1.31	cps
Erbium	164-2	41555	42816	40716	41695	2.53	cps
Gadolinium	160-1	83202	83993	84781	83992	0.94	cps
Gadolinium	160-2	59607	59623	60025	59751	0.40	cps
Holmium	165-1	5923865	5934808	5881164	5913279	0.48	cps
Holmium	165-2	4031996	4071304	4000523	4034608	0.88	cps
Indium	115-1	5160621	5209872	5123387	5164627	0.84	cps
Indium	115-2	1791334	1793536	1810045	1798305	0.57	cps
Iron	56-2	320858435	323777082	323909575	322848364	0.53	cps
Iron	57-2	7994304	8108297	7978510	8027037	0.88	cps
Iron	54-2	17667709	17739636	17890716	17766020	0.64	cps
Krypton	83-1	327	313	323	321	2.16	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-14	Instrumnet Name :	P7
Client Sample ID :	MYDBC5	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:52:49	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1429591	1438067	1432605	1433421	0.30	cps
Lead	207-1	1248817	1258568	1276919	1261435	1.13	cps
Lead	208-1	6128623	6150255	6184556	6154478	0.46	cps
Lithium	6-1	439304	440818	435372	438498	0.64	cps
Magnesium	24-2	6010666	6034271	6089134	6044690	0.67	cps
Manganese	55-2	7537469	7722621	7708908	7656333	1.35	cps
Molybdenum	94-1	218312	216297	220308	218305	0.92	cps
Molybdenum	95-1	6158	6195	5788	6047	3.72	cps
Molybdenum	96-1	43766	44628	45377	44590	1.81	cps
Molybdenum	97-1	3394	3824	3690	3636	6.06	cps
Molybdenum	98-1	9090	9440	9483	9338	2.31	cps
Neodymium	150-1	227951	231088	229047	229362	0.69	cps
Neodymium	150-2	132495	134643	134228	133789	0.85	cps
Nickel	60-2	277885	279555	280732	279391	0.51	cps
Phosphorus	31-2	42893	43793	43171	43286	1.06	cps
Potassium	39-2	3262562	3343909	3309397	3305289	1.24	cps
Rhodium	103-1	5018344	4969744	4892985	4960357	1.27	cps
Rhodium	103-2	3038548	3076603	3064375	3059842	0.63	cps
Scandium	45-1	3509722	3561266	3538128	3536372	0.73	cps
Scandium	45-2	339072	339668	342510	340416	0.54	cps
Selenium	82-1	678	668	717	688	3.78	cps
Selenium	77-2	360	377	423	387	8.49	cps
Selenium	78-2	723	837	737	766	8.09	cps
Silicon	28-1	14604779	15128540	15174069	14969130	2.11	cps
Silver	107-1	33355	32937	32543	32945	1.23	cps
Silver	109-1	30238	30021	30165	30141	0.37	cps
Sodium	23-2	222246	223871	227122	224413	1.11	cps
Strontium	86-1	484999	497205	499062	493755	1.55	cps
Strontium	88-1	4512609	4457839	4448193	4472880	0.78	cps
Sulfur	34-1	170448	169118	167227	168931	0.96	cps
Terbium	159-1	6088836	6204484	6189800	6161040	1.02	cps
Terbium	159-2	4003951	4009622	4046725	4020099	0.58	cps
Thallium	203-1	3507	3434	3524	3488	1.37	cps
Thallium	205-1	8283	8893	8419	8532	3.75	cps
Tin	118-1	53857	53743	53499	53700	0.34	cps
Titanium	47-1	2200375	2197655	2205547	2201192	0.18	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-14	Instrumnet Name :	P7
Client Sample ID :	MYDBC5	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:52:49	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	39198	39281	39826	39435	0.87	cps
Vanadium	51-2	589291	597535	596322	594383	0.75	cps
Yttrium	89-1	10376843	10348509	10400138	10375163	0.25	cps
Yttrium	89-2	2709979	2744719	2731465	2728721	0.64	cps
Zinc	66-2	648535	650102	653219	650619	0.37	cps
Zirconium	90-1	581947	589823	596337	589369	1.22	cps
Zirconium	91-1	130351	131417	132311	131360	0.75	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-15	Instrumnet Name :	P7
Client Sample ID :	MYDBC6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:55:51	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6332356	6379434	6348957	6353582	0.38	cps
Antimony	121-1	32473	32961	32213	32549	1.17	cps
Arsenic	75-2	81063	80239	80875	80726	0.54	cps
Barium	135-1	961807	973587	968626	968007	0.61	cps
Barium	137-1	1789839	1788474	1795474	1791262	0.21	cps
Beryllium	9-1	1390	1390	1400	1393	0.41	cps
Bismuth	209-1	3608655	3485781	3471608	3522015	2.14	cps
Bismuth	209-2	2857862	2775405	2784146	2805804	1.61	cps
Bromine	81-1	7599	7265	7212	7359	2.85	cps
Bromine	81-2	307	290	257	284	8.95	cps
Cadmium	108-1	1277	1277	1317	1290	1.79	cps
Cadmium	106-1	3804	3734	3731	3756	1.10	cps
Cadmium	111-1	17067	17462	17131	17220	1.23	cps
Calcium	43-1	238959	240792	240677	240143	0.43	cps
Calcium	44-1	3738704	3846444	3736070	3773739	1.67	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	320445	316800	315415	317553	0.82	cps
Cobalt	59-2	263335	261647	264461	263148	0.54	cps
Copper	63-2	5399245	5407120	5419056	5408473	0.18	cps
Dysprosium	156-1	60861	61681	62210	61584	1.10	cps
Dysprosium	156-2	53662	53816	54187	53888	0.50	cps
Erbium	164-1	43538	44203	43518	43753	0.89	cps
Erbium	164-2	29344	28873	28546	28921	1.39	cps
Gadolinium	160-1	53395	55396	54690	54493	1.86	cps
Gadolinium	160-2	38389	38048	37938	38125	0.62	cps
Holmium	165-1	5930728	5704355	5830781	5821954	1.95	cps
Holmium	165-2	4048123	3982432	3950082	3993546	1.25	cps
Indium	115-1	5241688	5108171	5147170	5165676	1.33	cps
Indium	115-2	1840357	1770231	1784418	1798335	2.06	cps
Iron	56-2	230852463	232198870	229506870	230852734	0.58	cps
Iron	57-2	5759358	5798169	5650625	5736051	1.33	cps
Iron	54-2	12914879	12978149	12826597	12906542	0.59	cps
Krypton	83-1	303	307	390	333	14.73	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-15	Instrumnet Name :	P7
Client Sample ID :	MYDBC6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:55:51	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	978974	990782	973797	981184	0.89	cps
Lead	207-1	856875	867362	863201	862479	0.61	cps
Lead	208-1	4229636	4230617	4220107	4226787	0.14	cps
Lithium	6-1	415436	409868	397530	407611	2.25	cps
Magnesium	24-2	4257073	4312118	4250866	4273352	0.79	cps
Manganese	55-2	8254070	8333869	8187828	8258589	0.89	cps
Molybdenum	94-1	160554	161970	163031	161851	0.77	cps
Molybdenum	95-1	8032	8102	8139	8091	0.67	cps
Molybdenum	96-1	35506	37548	37197	36751	2.97	cps
Molybdenum	97-1	5101	5064	5008	5058	0.93	cps
Molybdenum	98-1	12849	12709	12809	12789	0.56	cps
Neodymium	150-1	126495	129811	129976	128761	1.53	cps
Neodymium	150-2	74834	74117	73963	74304	0.63	cps
Nickel	60-2	128741	128473	128980	128731	0.20	cps
Phosphorus	31-2	27127	26640	26747	26838	0.95	cps
Potassium	39-2	3541505	3530586	3467460	3513184	1.14	cps
Rhodium	103-1	5046732	4832577	5032538	4970615	2.41	cps
Rhodium	103-2	3040619	2999195	3014898	3018237	0.69	cps
Scandium	45-1	3411386	3353018	3411484	3391962	0.99	cps
Scandium	45-2	329054	328384	329496	328978	0.17	cps
Selenium	82-1	620	604	563	596	4.94	cps
Selenium	77-2	233	303	207	248	20.15	cps
Selenium	78-2	620	690	537	616	12.47	cps
Silicon	28-1	12051421	12126547	12308289	12162086	1.09	cps
Silver	107-1	24187	25088	25112	24796	2.13	cps
Silver	109-1	22624	22972	23416	23004	1.72	cps
Sodium	23-2	162295	161953	162650	162299	0.21	cps
Strontium	86-1	351511	360766	355324	355867	1.31	cps
Strontium	88-1	3205585	3262133	3262586	3243435	1.01	cps
Sulfur	34-1	153219	152731	151489	152480	0.59	cps
Terbium	159-1	6144454	5911600	6185688	6080581	2.43	cps
Terbium	159-2	4042575	4018128	3952596	4004433	1.16	cps
Thallium	203-1	2987	3124	2894	3001	3.86	cps
Thallium	205-1	7072	7245	6945	7087	2.13	cps
Tin	118-1	27844	27877	27810	27844	0.12	cps
Titanium	47-1	1671211	1755864	1716072	1714382	2.47	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-15	Instrumnet Name :	P7
Client Sample ID :	MYDBC6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:55:51	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	26964	27144	27328	27146	0.67	cps
Vanadium	51-2	414952	410135	411545	412211	0.60	cps
Yttrium	89-1	10110875	9726963	10106963	9981600	2.21	cps
Yttrium	89-2	2653884	2647005	2620758	2640549	0.66	cps
Zinc	66-2	410703	406073	409237	408671	0.58	cps
Zirconium	90-1	428752	431986	434797	431845	0.70	cps
Zirconium	91-1	95351	97435	95861	96215	1.13	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-16	Instrumnet Name :	P7
Client Sample ID :	MYDBC7	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:58:58	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5434576	5413278	5410009	5419288	0.25	cps
Antimony	121-1	24958	26221	25923	25701	2.57	cps
Arsenic	75-2	60111	60667	60961	60580	0.71	cps
Barium	135-1	965509	985586	979560	976885	1.05	cps
Barium	137-1	1790914	1821476	1817721	1810037	0.92	cps
Beryllium	9-1	1277	1233	1133	1215	6.05	cps
Bismuth	209-1	3605866	3556396	3521557	3561273	1.19	cps
Bismuth	209-2	2829017	2800442	2851723	2827060	0.91	cps
Bromine	81-1	6512	6902	7098	6837	4.37	cps
Bromine	81-2	310	233	260	268	14.53	cps
Cadmium	108-1	1257	953	1167	1126	13.84	cps
Cadmium	106-1	3544	3444	3294	3427	3.67	cps
Cadmium	111-1	13980	14809	14492	14427	2.90	cps
Calcium	43-1	211229	216470	214848	214182	1.25	cps
Calcium	44-1	3321820	3346485	3398018	3355441	1.16	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	281700	282651	281712	282021	0.19	cps
Cobalt	59-2	236255	236067	234767	235696	0.34	cps
Copper	63-2	4271494	4310436	4290730	4290886	0.45	cps
Dysprosium	156-1	53950	54505	55626	54694	1.56	cps
Dysprosium	156-2	48196	47540	47811	47849	0.69	cps
Erbium	164-1	38259	38637	38523	38473	0.50	cps
Erbium	164-2	25547	25430	25457	25478	0.24	cps
Gadolinium	160-1	47888	47547	47962	47799	0.46	cps
Gadolinium	160-2	33079	34880	34399	34119	2.73	cps
Holmium	165-1	5874035	5822565	5799956	5832185	0.65	cps
Holmium	165-2	4027554	3988323	4040307	4018728	0.67	cps
Indium	115-1	5155847	5103639	5142795	5134094	0.53	cps
Indium	115-2	1787951	1770320	1775707	1777992	0.51	cps
Iron	56-2	236480250	236769723	236529230	236593068	0.07	cps
Iron	57-2	5878657	5872661	5758653	5836657	1.16	cps
Iron	54-2	13062110	13188240	13151243	13133865	0.49	cps
Krypton	83-1	290	287	243	273	9.52	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-16	Instrumnet Name :	P7
Client Sample ID :	MYDBC7	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:58:58	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	847371	851483	852739	850531	0.33	cps
Lead	207-1	745633	752426	753509	750523	0.57	cps
Lead	208-1	3622490	3696489	3664151	3661043	1.01	cps
Lithium	6-1	432720	413704	413576	420000	2.62	cps
Magnesium	24-2	3752546	3716383	3710084	3726338	0.61	cps
Manganese	55-2	9196511	9205921	9219153	9207195	0.12	cps
Molybdenum	94-1	139198	139398	142934	140510	1.50	cps
Molybdenum	95-1	7168	7088	7629	7295	4.00	cps
Molybdenum	96-1	32603	31998	32971	32524	1.51	cps
Molybdenum	97-1	4221	4534	4521	4425	4.01	cps
Molybdenum	98-1	11138	11368	11441	11316	1.40	cps
Neodymium	150-1	111171	113980	112921	112691	1.26	cps
Neodymium	150-2	65126	65974	65763	65621	0.67	cps
Nickel	60-2	114117	113789	114738	114215	0.42	cps
Phosphorus	31-2	24386	24857	24837	24693	1.08	cps
Potassium	39-2	2992717	2975522	2968719	2978986	0.42	cps
Rhodium	103-1	4939847	4982569	4994553	4972323	0.58	cps
Rhodium	103-2	3036408	3031267	2998563	3022079	0.68	cps
Scandium	45-1	3353732	3299204	3283928	3312288	1.11	cps
Scandium	45-2	319585	319209	318042	318945	0.25	cps
Selenium	82-1	524	597	600	574	7.55	cps
Selenium	77-2	273	237	267	259	7.54	cps
Selenium	78-2	603	507	557	556	8.70	cps
Silicon	28-1	13074999	13347518	13481945	13301487	1.56	cps
Silver	107-1	17330	17127	17043	17167	0.86	cps
Silver	109-1	15458	16006	15765	15743	1.74	cps
Sodium	23-2	157432	157618	157611	157554	0.07	cps
Strontium	86-1	296102	295788	296876	296255	0.19	cps
Strontium	88-1	2710354	2771062	2708676	2730031	1.30	cps
Sulfur	34-1	156590	156100	153327	155339	1.13	cps
Terbium	159-1	6104497	6135817	6076988	6105767	0.48	cps
Terbium	159-2	3946156	4024887	3991502	3987515	0.99	cps
Thallium	203-1	2564	2780	2434	2592	6.76	cps
Thallium	205-1	5968	5808	6121	5966	2.63	cps
Tin	118-1	32781	32944	32564	32763	0.58	cps
Titanium	47-1	1554981	1587847	1609955	1584261	1.75	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-16	Instrumnet Name :	P7
Client Sample ID :	MYDBC7	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 21:58:58	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	23023	23113	22703	22947	0.94	cps
Vanadium	51-2	365183	363696	363921	364267	0.22	cps
Yttrium	89-1	9975210	9903074	9777744	9885342	1.01	cps
Yttrium	89-2	2581259	2555029	2580248	2572178	0.58	cps
Zinc	66-2	341523	339652	344527	341901	0.72	cps
Zirconium	90-1	370357	375477	376906	374247	0.92	cps
Zirconium	91-1	81103	83185	84693	82994	2.17	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-17	Instrumnet Name :	P7
Client Sample ID :	MYDBC8	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:02:03	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7055227	7123113	7033397	7070579	0.66	cps
Antimony	121-1	19924	20171	19911	20002	0.73	cps
Arsenic	75-2	49432	49776	50097	49769	0.67	cps
Barium	135-1	1078387	1082222	1079853	1080154	0.18	cps
Barium	137-1	1986363	1968810	2051639	2002271	2.18	cps
Beryllium	9-1	1610	1470	1530	1537	4.57	cps
Bismuth	209-1	3557895	3566885	3527301	3550694	0.58	cps
Bismuth	209-2	2809099	2863502	2796300	2822967	1.26	cps
Bromine	81-1	7512	7605	7749	7622	1.56	cps
Bromine	81-2	483	470	473	476	1.46	cps
Cadmium	108-1	853	943	930	909	5.34	cps
Cadmium	106-1	3010	3344	3087	3147	5.55	cps
Cadmium	111-1	10276	10516	10526	10439	1.36	cps
Calcium	43-1	293635	294667	298022	295441	0.78	cps
Calcium	44-1	4534622	4733622	4721221	4663155	2.39	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	360345	362631	359738	360904	0.42	cps
Cobalt	59-2	224095	224207	226361	224888	0.57	cps
Copper	63-2	2896775	2911097	2880710	2896194	0.52	cps
Dysprosium	156-1	62401	62917	64323	63214	1.57	cps
Dysprosium	156-2	56968	57815	58672	57818	1.47	cps
Erbium	164-1	37744	39131	39141	38672	2.08	cps
Erbium	164-2	26415	26382	26291	26363	0.24	cps
Gadolinium	160-1	52769	52993	53113	52958	0.33	cps
Gadolinium	160-2	38496	37824	37734	38018	1.10	cps
Holmium	165-1	5911036	5899331	5730033	5846800	1.73	cps
Holmium	165-2	4044158	4034455	4061658	4046757	0.34	cps
Indium	115-1	5200060	5159002	5119374	5159479	0.78	cps
Indium	115-2	1819615	1815491	1814985	1816697	0.14	cps
Iron	56-2	212553870	216284737	215520957	214786521	0.92	cps
Iron	57-2	5352225	5280570	5307741	5313512	0.68	cps
Iron	54-2	11807616	11902696	11971976	11894096	0.69	cps
Krypton	83-1	300	267	300	289	6.66	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-17	Instrumnet Name :	P7
Client Sample ID :	MYDBC8	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:02:03	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	716618	721349	719340	719102	0.33	cps
Lead	207-1	629077	640999	641059	637045	1.08	cps
Lead	208-1	2865792	2868506	2880101	2871466	0.26	cps
Lithium	6-1	432167	419579	407856	419867	2.90	cps
Magnesium	24-2	3941052	3972713	3948873	3954213	0.42	cps
Manganese	55-2	5582461	5642543	5687395	5637466	0.93	cps
Molybdenum	94-1	195108	197563	198821	197164	0.96	cps
Molybdenum	95-1	3524	3847	3497	3623	5.38	cps
Molybdenum	96-1	38063	38504	38153	38240	0.61	cps
Molybdenum	97-1	2020	2057	2120	2066	2.45	cps
Molybdenum	98-1	5708	5414	5651	5591	2.78	cps
Neodymium	150-1	147792	150339	150163	149431	0.95	cps
Neodymium	150-2	87101	87084	85993	86726	0.73	cps
Nickel	60-2	186533	186690	186533	186585	0.05	cps
Phosphorus	31-2	30818	30764	31018	30867	0.43	cps
Potassium	39-2	2475768	2492761	2524303	2497611	0.99	cps
Rhodium	103-1	5053118	4960077	4974622	4995939	1.00	cps
Rhodium	103-2	3067568	3017565	3051321	3045484	0.84	cps
Scandium	45-1	3372329	3409998	3370885	3384404	0.66	cps
Scandium	45-2	326358	328105	328282	327582	0.32	cps
Selenium	82-1	568	474	575	539	10.47	cps
Selenium	77-2	297	243	313	284	12.85	cps
Selenium	78-2	543	650	523	572	11.90	cps
Silicon	28-1	14808505	15125061	15097863	15010476	1.17	cps
Silver	107-1	14874	14938	14621	14811	1.13	cps
Silver	109-1	13426	14347	14107	13960	3.42	cps
Sodium	23-2	163195	163478	163781	163485	0.18	cps
Strontium	86-1	337262	340492	340695	339483	0.57	cps
Strontium	88-1	3034782	3132345	3098477	3088535	1.60	cps
Sulfur	34-1	162682	160041	161088	161270	0.82	cps
Terbium	159-1	6127010	6115782	6081870	6108221	0.38	cps
Terbium	159-2	4056545	4086438	4077782	4073589	0.38	cps
Thallium	203-1	2097	2054	2044	2065	1.37	cps
Thallium	205-1	4487	4908	4731	4709	4.48	cps
Tin	118-1	21002	21536	21847	21462	1.99	cps
Titanium	47-1	1733979	1780961	1792181	1769040	1.75	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-17	Instrumnet Name :	P7
Client Sample ID :	MYDBC8	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:02:03	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	24787	24503	24432	24574	0.76	cps
Vanadium	51-2	368453	372497	374789	371913	0.86	cps
Yttrium	89-1	9963424	9875963	9791633	9877007	0.87	cps
Yttrium	89-2	2617954	2593746	2593925	2601875	0.54	cps
Zinc	66-2	300151	299208	299072	299477	0.20	cps
Zirconium	90-1	528886	541961	540252	537033	1.32	cps
Zirconium	91-1	118955	119627	121156	119912	0.94	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-18	Instrumnet Name :	P7
Client Sample ID :	MYDBC9	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:05:10	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8731480	8699887	8758866	8730078	0.34	cps
Antimony	121-1	13370	13063	13310	13247	1.23	cps
Arsenic	75-2	24918	24263	24504	24562	1.35	cps
Barium	135-1	1643777	1691293	1685878	1673649	1.55	cps
Barium	137-1	2925061	2915406	2914853	2918440	0.20	cps
Beryllium	9-1	1787	1850	1810	1816	1.76	cps
Bismuth	209-1	3548737	3571235	3534252	3551408	0.52	cps
Bismuth	209-2	2832145	2820838	2824813	2825932	0.20	cps
Bromine	81-1	9476	9697	10027	9733	2.85	cps
Bromine	81-2	857	810	883	850	4.37	cps
Cadmium	108-1	683	780	777	747	7.35	cps
Cadmium	106-1	3040	2754	3004	2933	5.32	cps
Cadmium	111-1	8018	8003	8537	8186	3.72	cps
Calcium	43-1	415891	419856	420369	418706	0.59	cps
Calcium	44-1	6586393	6634008	6566374	6595591	0.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	358113	359003	362904	360006	0.71	cps
Cobalt	59-2	215041	216968	214425	215478	0.62	cps
Copper	63-2	1908866	1910909	1888577	1902784	0.65	cps
Dysprosium	156-1	66771	67488	67608	67289	0.67	cps
Dysprosium	156-2	61336	61534	61028	61300	0.42	cps
Erbium	164-1	43394	44150	43106	43550	1.24	cps
Erbium	164-2	29501	29151	30273	29642	1.94	cps
Gadolinium	160-1	57812	59489	59486	58929	1.64	cps
Gadolinium	160-2	41658	42157	41398	41738	0.92	cps
Holmium	165-1	6044591	6030294	5964126	6013004	0.71	cps
Holmium	165-2	4038973	4085582	4128817	4084457	1.10	cps
Indium	115-1	5187707	5254643	5307447	5249932	1.14	cps
Indium	115-2	1822123	1794825	1813336	1810095	0.77	cps
Iron	56-2	209009524	208425137	207376364	208270341	0.40	cps
Iron	57-2	5098969	5199023	5136261	5144751	0.98	cps
Iron	54-2	11648822	11387843	11618746	11551804	1.24	cps
Krypton	83-1	313	310	283	302	5.44	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-18	Instrumnet Name :	P7
Client Sample ID :	MYDBC9	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:05:10	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	517478	523978	523221	521559	0.68	cps
Lead	207-1	455286	457880	457535	456900	0.31	cps
Lead	208-1	2063209	2080643	2074703	2072852	0.43	cps
Lithium	6-1	441700	423902	412524	426042	3.45	cps
Magnesium	24-2	5355799	5309304	5308237	5324447	0.51	cps
Manganese	55-2	6080077	6043830	6061242	6061717	0.30	cps
Molybdenum	94-1	161889	163792	165752	163811	1.18	cps
Molybdenum	95-1	4324	4514	4517	4452	2.49	cps
Molybdenum	96-1	33245	33101	34013	33453	1.47	cps
Molybdenum	97-1	2807	2877	2814	2833	1.36	cps
Molybdenum	98-1	6802	7125	7355	7094	3.92	cps
Neodymium	150-1	161383	162916	159966	161422	0.91	cps
Neodymium	150-2	92974	92904	92175	92684	0.48	cps
Nickel	60-2	190874	192832	192791	192165	0.58	cps
Phosphorus	31-2	43004	42860	42552	42805	0.54	cps
Potassium	39-2	4089308	4108811	4066511	4088210	0.52	cps
Rhodium	103-1	5106999	5067241	5011115	5061785	0.95	cps
Rhodium	103-2	3112132	3007827	3059637	3059866	1.70	cps
Scandium	45-1	3471310	3524927	3452587	3482941	1.08	cps
Scandium	45-2	334416	334431	336655	335168	0.38	cps
Selenium	82-1	498	536	492	508	4.67	cps
Selenium	77-2	317	287	233	279	15.13	cps
Selenium	78-2	667	583	617	622	6.74	cps
Silicon	28-1	13150645	13155204	13413872	13239907	1.14	cps
Silver	107-1	10054	10004	10054	10037	0.29	cps
Silver	109-1	9487	9710	9610	9602	1.17	cps
Sodium	23-2	173331	175912	174595	174613	0.74	cps
Strontium	86-1	537385	542943	543746	541358	0.64	cps
Strontium	88-1	4853712	4850558	4941496	4881922	1.06	cps
Sulfur	34-1	168767	166081	166176	167008	0.91	cps
Terbium	159-1	6233870	6226622	6203376	6221289	0.26	cps
Terbium	159-2	4128086	4024474	4082721	4078427	1.27	cps
Thallium	203-1	1994	2054	2037	2028	1.53	cps
Thallium	205-1	4888	5018	4581	4829	4.64	cps
Tin	118-1	28101	28231	28241	28191	0.28	cps
Titanium	47-1	1622898	1637832	1647828	1636186	0.77	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-18	Instrumnet Name :	P7
Client Sample ID :	MYDBC9	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:05:10	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	27599	28584	27435	27873	2.23	cps
Vanadium	51-2	366142	365732	370339	367404	0.69	cps
Yttrium	89-1	10125188	10257218	10102121	10161509	0.82	cps
Yttrium	89-2	2639261	2629398	2649760	2639473	0.39	cps
Zinc	66-2	312331	310555	311462	311449	0.29	cps
Zirconium	90-1	435254	450849	445637	443914	1.79	cps
Zirconium	91-1	97391	99817	97981	98396	1.29	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-19	Instrumnet Name :	P7
Client Sample ID :	MYDBD0	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:08:14	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7522869	7622921	7747307	7631032	1.47	cps
Antimony	121-1	13763	14024	14394	14060	2.25	cps
Arsenic	75-2	88223	88408	89497	88709	0.78	cps
Barium	135-1	1653438	1650517	1646440	1650131	0.21	cps
Barium	137-1	2842977	2862913	2922647	2876179	1.44	cps
Beryllium	9-1	1850	1833	1737	1807	3.39	cps
Bismuth	209-1	3550902	3584430	3493357	3542896	1.30	cps
Bismuth	209-2	2918925	2776369	2627946	2774413	5.24	cps
Bromine	81-1	7709	8352	8112	8058	4.04	cps
Bromine	81-2	510	500	420	477	10.35	cps
Cadmium	108-1	1777	1830	1810	1806	1.49	cps
Cadmium	106-1	4264	4467	3961	4231	6.03	cps
Cadmium	111-1	23527	24180	23759	23822	1.39	cps
Calcium	43-1	303440	304292	309065	305599	0.99	cps
Calcium	44-1	4767743	4813859	4844901	4808834	0.81	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	379338	382378	383402	381706	0.55	cps
Cobalt	59-2	241660	243995	246651	244102	1.02	cps
Copper	63-2	5685138	5709427	5700192	5698252	0.22	cps
Dysprosium	156-1	73816	73843	75227	74295	1.09	cps
Dysprosium	156-2	66580	67474	69119	67724	1.90	cps
Erbium	164-1	45481	45387	46326	45731	1.13	cps
Erbium	164-2	30386	30340	30811	30512	0.85	cps
Gadolinium	160-1	61936	63051	63597	62861	1.35	cps
Gadolinium	160-2	44296	44480	44390	44389	0.21	cps
Holmium	165-1	5893612	5914963	5682623	5830399	2.20	cps
Holmium	165-2	4069055	3839403	3622942	3843800	5.80	cps
Indium	115-1	5120753	5073980	4880309	5025014	2.54	cps
Indium	115-2	1791368	1743421	1622394	1719061	5.07	cps
Iron	56-2	197113710	194129677	200101010	197114799	1.51	cps
Iron	57-2	4810674	4842876	4951379	4868310	1.51	cps
Iron	54-2	10874602	10893497	11027189	10931762	0.76	cps
Krypton	83-1	297	337	227	287	19.42	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-19	Instrumnet Name :	P7
Client Sample ID :	MYDBD0	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:08:14	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1080716	1061699	1082608	1075007	1.08	cps
Lead	207-1	949830	945491	951144	948822	0.31	cps
Lead	208-1	4675890	4595883	4656532	4642768	0.90	cps
Lithium	6-1	427690	414003	400055	413916	3.34	cps
Magnesium	24-2	4476875	4469354	4521588	4489272	0.63	cps
Manganese	55-2	5632173	5655512	5670355	5652680	0.34	cps
Molybdenum	94-1	153045	155348	156723	155039	1.20	cps
Molybdenum	95-1	4124	4007	4241	4124	2.83	cps
Molybdenum	96-1	30415	31491	32416	31441	3.19	cps
Molybdenum	97-1	2327	2514	2627	2489	6.09	cps
Molybdenum	98-1	6311	6685	6351	6449	3.18	cps
Neodymium	150-1	174813	175407	174289	174836	0.32	cps
Neodymium	150-2	100831	102708	102092	101877	0.94	cps
Nickel	60-2	208331	210972	213284	210862	1.18	cps
Phosphorus	31-2	35314	35414	35444	35391	0.19	cps
Potassium	39-2	1984828	1996517	2027236	2002860	1.09	cps
Rhodium	103-1	4952585	4986710	4818717	4919337	1.81	cps
Rhodium	103-2	3068866	2996581	2846904	2970784	3.81	cps
Scandium	45-1	3387884	3434551	3351406	3391281	1.23	cps
Scandium	45-2	327398	320988	303382	317256	3.92	cps
Selenium	82-1	650	657	734	680	6.82	cps
Selenium	77-2	293	307	270	290	6.40	cps
Selenium	78-2	667	607	693	656	6.77	cps
Silicon	28-1	19593133	19592933	19651381	19612483	0.17	cps
Silver	107-1	26344	26397	26427	26390	0.16	cps
Silver	109-1	24381	24724	24230	24445	1.04	cps
Sodium	23-2	202146	205242	206294	204561	1.05	cps
Strontium	86-1	484645	486863	488982	486830	0.45	cps
Strontium	88-1	4355864	4430210	4415415	4400496	0.89	cps
Sulfur	34-1	159209	155121	156663	156998	1.31	cps
Terbium	159-1	6153392	6038383	5995928	6062567	1.34	cps
Terbium	159-2	3995464	3921933	3690000	3869132	4.12	cps
Thallium	203-1	2400	2400	2624	2475	5.21	cps
Thallium	205-1	5635	5811	5648	5698	1.73	cps
Tin	118-1	29574	29737	30295	29869	1.27	cps
Titanium	47-1	1578563	1575703	1584139	1579468	0.27	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-19	Instrumnet Name :	P7
Client Sample ID :	MYDBD0	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:08:14	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	28604	28571	28931	28702	0.69	cps
Vanadium	51-2	397286	402083	405127	401499	0.98	cps
Yttrium	89-1	10020856	10123884	9787378	9977373	1.73	cps
Yttrium	89-2	2650673	2561827	2453304	2555268	3.87	cps
Zinc	66-2	611688	616955	617398	615347	0.52	cps
Zirconium	90-1	412267	427177	425001	421482	1.91	cps
Zirconium	91-1	93194	93489	94358	93680	0.65	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-20	Instrumnet Name :	P7
Client Sample ID :	MYDBD1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:11:19	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7174221	7172383	7192973	7179859	0.16	cps
Antimony	121-1	18035	18702	18819	18519	2.29	cps
Arsenic	75-2	79210	79257	79736	79401	0.37	cps
Barium	135-1	1253361	1266917	1265681	1261986	0.59	cps
Barium	137-1	2320721	2360850	2351012	2344194	0.89	cps
Beryllium	9-1	1633	1590	1623	1616	1.40	cps
Bismuth	209-1	3597458	3646013	3571235	3604902	1.05	cps
Bismuth	209-2	2783495	2791883	2822003	2799127	0.72	cps
Bromine	81-1	7605	7825	8249	7893	4.14	cps
Bromine	81-2	440	403	517	453	12.76	cps
Cadmium	108-1	1967	1907	1843	1906	3.24	cps
Cadmium	106-1	4541	4687	4701	4643	1.91	cps
Cadmium	111-1	24920	25279	25075	25091	0.72	cps
Calcium	43-1	307784	309970	310289	309348	0.44	cps
Calcium	44-1	4890355	4939335	4941240	4923643	0.59	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	371490	373689	374431	373203	0.41	cps
Cobalt	59-2	239029	240991	242584	240868	0.74	cps
Copper	63-2	5617846	5650063	5597913	5621941	0.47	cps
Dysprosium	156-1	70050	71035	71414	70833	0.99	cps
Dysprosium	156-2	64156	64601	65482	64746	1.04	cps
Erbium	164-1	43361	44042	44016	43806	0.88	cps
Erbium	164-2	29695	29398	29835	29643	0.75	cps
Gadolinium	160-1	59914	59174	59800	59630	0.67	cps
Gadolinium	160-2	42832	42521	42788	42714	0.39	cps
Holmium	165-1	5931204	6013671	5882003	5942293	1.12	cps
Holmium	165-2	4000142	3985292	3976008	3987147	0.31	cps
Indium	115-1	5145048	5184984	5124263	5151432	0.60	cps
Indium	115-2	1778214	1779555	1773828	1777199	0.17	cps
Iron	56-2	204412244	205909097	204928884	205083408	0.37	cps
Iron	57-2	5097175	5035747	5049808	5060910	0.64	cps
Iron	54-2	11201819	11291286	11278172	11257092	0.43	cps
Krypton	83-1	323	267	257	282	12.74	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-20	Instrumnet Name :	P7
Client Sample ID :	MYDBD1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:11:19	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	980685	982791	988541	984006	0.41	cps
Lead	207-1	862839	878279	859063	866727	1.17	cps
Lead	208-1	4235494	4306252	4231106	4257617	0.99	cps
Lithium	6-1	437892	428076	414145	426704	2.80	cps
Magnesium	24-2	4501834	4520742	4496655	4506410	0.28	cps
Manganese	55-2	6147464	6095044	6120163	6120890	0.43	cps
Molybdenum	94-1	175750	180098	179468	178438	1.32	cps
Molybdenum	95-1	4391	4381	4551	4441	2.15	cps
Molybdenum	96-1	35019	35781	35958	35586	1.40	cps
Molybdenum	97-1	2747	2957	2797	2834	3.87	cps
Molybdenum	98-1	6948	6948	7048	6982	0.83	cps
Neodymium	150-1	163003	164866	164342	164070	0.59	cps
Neodymium	150-2	94930	94306	93866	94367	0.57	cps
Nickel	60-2	203612	202162	200598	202124	0.75	cps
Phosphorus	31-2	33580	33657	34105	33781	0.84	cps
Potassium	39-2	2235063	2254012	2232174	2240417	0.53	cps
Rhodium	103-1	4988693	4965165	4933671	4962510	0.56	cps
Rhodium	103-2	3035022	3026495	3010213	3023910	0.42	cps
Scandium	45-1	3406537	3433276	3380863	3406892	0.77	cps
Scandium	45-2	324491	321024	319220	321578	0.83	cps
Selenium	82-1	569	598	643	603	6.20	cps
Selenium	77-2	313	260	247	273	12.91	cps
Selenium	78-2	693	577	650	640	9.22	cps
Silicon	28-1	18893110	18839342	19186308	18972920	0.98	cps
Silver	107-1	22264	21580	22524	22123	2.21	cps
Silver	109-1	20748	20675	21256	20893	1.51	cps
Sodium	23-2	226022	226242	228245	226836	0.54	cps
Strontium	86-1	438061	440634	447907	442201	1.15	cps
Strontium	88-1	3945077	4066595	4008789	4006820	1.52	cps
Sulfur	34-1	160506	159458	156222	158729	1.41	cps
Terbium	159-1	6123987	6219562	6212652	6185400	0.86	cps
Terbium	159-2	3949892	3934457	3960407	3948252	0.33	cps
Thallium	203-1	2204	2587	2477	2422	8.15	cps
Thallium	205-1	5701	5621	5801	5708	1.58	cps
Tin	118-1	27433	28792	28815	28347	2.79	cps
Titanium	47-1	1769023	1748076	1751278	1756126	0.64	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-20	Instrumnet Name :	P7
Client Sample ID :	MYDBD1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:11:19	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	28571	27943	28133	28216	1.14	cps
Vanadium	51-2	399115	398814	400869	399599	0.28	cps
Yttrium	89-1	10059834	10136453	10078565	10091617	0.40	cps
Yttrium	89-2	2583590	2591480	2566717	2580596	0.49	cps
Zinc	66-2	601198	600833	602952	601661	0.19	cps
Zirconium	90-1	475592	483402	489526	482840	1.45	cps
Zirconium	91-1	105211	107917	108021	107050	1.49	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-21	Instrumnet Name :	P7
Client Sample ID :	MYDBD2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:14:23	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13686457	13679036	13729504	13698332	0.20	cps
Antimony	121-1	79568	81533	81704	80935	1.47	cps
Arsenic	75-2	231320	227572	231403	230098	0.95	cps
Barium	135-1	1332645	1356063	1349925	1346211	0.90	cps
Barium	137-1	2491450	2502926	2515473	2503283	0.48	cps
Beryllium	9-1	3340	3087	3297	3241	4.18	cps
Bismuth	209-1	4036487	3968495	3981544	3995509	0.90	cps
Bismuth	209-2	3169335	3139906	3177326	3162189	0.62	cps
Bromine	81-1	8409	8926	8749	8695	3.02	cps
Bromine	81-2	547	517	557	540	3.85	cps
Cadmium	108-1	3027	3124	3227	3126	3.20	cps
Cadmium	106-1	6395	6388	6131	6305	2.38	cps
Cadmium	111-1	40150	40355	40487	40331	0.42	cps
Calcium	43-1	301342	308430	309636	306469	1.46	cps
Calcium	44-1	4798906	4882764	4909483	4863717	1.19	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	721231	713830	719930	718330	0.55	cps
Cobalt	59-2	322561	324474	327070	324702	0.70	cps
Copper	63-2	20115572	20168733	20247280	20177195	0.33	cps
Dysprosium	156-1	65471	66483	66547	66167	0.91	cps
Dysprosium	156-2	60634	61162	61500	61099	0.71	cps
Erbium	164-1	39746	39405	39543	39565	0.43	cps
Erbium	164-2	26425	26248	26238	26304	0.40	cps
Gadolinium	160-1	53930	54984	55824	54913	1.73	cps
Gadolinium	160-2	39459	39054	39328	39280	0.53	cps
Holmium	165-1	5851941	5953375	5934636	5913317	0.91	cps
Holmium	165-2	4007748	3932602	4014172	3984840	1.14	cps
Indium	115-1	5115709	5197427	5051247	5121461	1.43	cps
Indium	115-2	1785568	1782366	1802604	1790179	0.61	cps
Iron	56-2	195288004	194560017	196741224	195529748	0.57	cps
Iron	57-2	4821163	4832801	4864696	4839553	0.47	cps
Iron	54-2	10784207	10806904	10835612	10808907	0.24	cps
Krypton	83-1	290	263	310	288	8.14	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-21	Instrumnet Name :	P7
Client Sample ID :	MYDBD2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:14:23	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4651312	4569949	4689706	4636989	1.32	cps
Lead	207-1	4079228	4139274	4178039	4132180	1.20	cps
Lead	208-1	18471122	18495553	18562413	18509696	0.26	cps
Lithium	6-1	402559	395680	386398	394879	2.05	cps
Magnesium	24-2	5096281	5033597	4994845	5041574	1.02	cps
Manganese	55-2	4919086	4866882	4941450	4909139	0.78	cps
Molybdenum	94-1	238825	244600	243413	242279	1.26	cps
Molybdenum	95-1	13700	14120	13800	13873	1.58	cps
Molybdenum	96-1	54040	54043	55181	54421	1.21	cps
Molybdenum	97-1	8729	8686	8463	8626	1.66	cps
Molybdenum	98-1	21710	21793	21683	21728	0.26	cps
Neodymium	150-1	157978	157873	157363	157738	0.21	cps
Neodymium	150-2	90652	90270	92260	91061	1.16	cps
Nickel	60-2	246189	243698	243930	244606	0.56	cps
Phosphorus	31-2	40336	40804	39701	40281	1.37	cps
Potassium	39-2	2411671	2342026	2379170	2377622	1.47	cps
Rhodium	103-1	4935286	5021467	4935531	4964094	1.00	cps
Rhodium	103-2	3048619	3008160	3041303	3032694	0.71	cps
Scandium	45-1	3330848	3399488	3395340	3375225	1.14	cps
Scandium	45-2	322454	322699	326274	323809	0.66	cps
Selenium	82-1	1087	1095	1143	1108	2.76	cps
Selenium	77-2	343	347	387	359	6.72	cps
Selenium	78-2	750	810	743	768	4.78	cps
Silicon	28-1	18161476	18038863	18265986	18155442	0.63	cps
Silver	107-1	107875	110087	110198	109387	1.20	cps
Silver	109-1	102399	105306	103762	103822	1.40	cps
Sodium	23-2	385267	389805	390932	388668	0.77	cps
Strontium	86-1	534157	536024	541446	537209	0.70	cps
Strontium	88-1	4868457	4859231	4885366	4871018	0.27	cps
Sulfur	34-1	167921	164993	163097	165337	1.47	cps
Terbium	159-1	6083072	6113003	6104252	6100109	0.25	cps
Terbium	159-2	3950080	3968293	3939846	3952740	0.36	cps
Thallium	203-1	3044	2954	3110	3036	2.59	cps
Thallium	205-1	7245	7105	7505	7285	2.79	cps
Tin	118-1	167751	170301	172096	170049	1.28	cps
Titanium	47-1	2009008	2060594	2037854	2035819	1.27	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-21	Instrumnet Name :	P7
Client Sample ID :	MYDBD2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:14:23	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	27201	27078	27311	27197	0.43	cps
Vanadium	51-2	345101	347785	345582	346156	0.41	cps
Yttrium	89-1	9934618	10027572	10059524	10007238	0.65	cps
Yttrium	89-2	2601082	2598783	2545264	2581710	1.22	cps
Zinc	66-2	1655945	1674608	1646289	1658947	0.87	cps
Zirconium	90-1	640506	647055	657271	648277	1.30	cps
Zirconium	91-1	142223	143128	143640	142997	0.50	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-22	Instrumnet Name :	P7
Client Sample ID :	MYDBD3	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:17:25	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16849115	16959217	16804503	16870945	0.47	cps
Antimony	121-1	79096	79719	80608	79808	0.95	cps
Arsenic	75-2	98813	99091	99652	99185	0.43	cps
Barium	135-1	1747507	1812368	1843998	1801291	2.73	cps
Barium	137-1	3083405	3132084	3119224	3111571	0.81	cps
Beryllium	9-1	4424	4427	4281	4377	1.91	cps
Bismuth	209-1	3971970	3987475	3921563	3960336	0.87	cps
Bismuth	209-2	3133351	3133788	2737028	3001389	7.63	cps
Bromine	81-1	9246	9880	10077	9734	4.46	cps
Bromine	81-2	780	900	813	831	7.45	cps
Cadmium	108-1	2824	3024	2740	2863	5.09	cps
Cadmium	106-1	5858	6008	5725	5863	2.42	cps
Cadmium	111-1	36395	36039	35992	36142	0.61	cps
Calcium	43-1	418877	427686	431763	426109	1.55	cps
Calcium	44-1	6598293	6808694	6765022	6724003	1.65	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	842168	849135	852608	847970	0.63	cps
Cobalt	59-2	220428	221412	223709	221850	0.76	cps
Copper	63-2	12314795	12224330	12418171	12319099	0.79	cps
Dysprosium	156-1	61102	61802	60955	61286	0.74	cps
Dysprosium	156-2	56905	57785	58374	57688	1.28	cps
Erbium	164-1	35940	36862	36060	36287	1.38	cps
Erbium	164-2	24201	25063	24411	24558	1.83	cps
Gadolinium	160-1	51140	52030	52374	51848	1.23	cps
Gadolinium	160-2	37022	37042	36902	36989	0.21	cps
Holmium	165-1	5943100	5955967	5955586	5951551	0.12	cps
Holmium	165-2	4049553	4029117	3446972	3841881	8.91	cps
Indium	115-1	5212525	5178092	5135355	5175324	0.75	cps
Indium	115-2	1830875	1836644	1570572	1746030	8.70	cps
Iron	56-2	214783937	212727317	217317163	214942806	1.07	cps
Iron	57-2	5248016	5337428	5400022	5328488	1.43	cps
Iron	54-2	12015014	11893386	11938782	11949061	0.51	cps
Krypton	83-1	287	293	303	294	2.85	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-22	Instrumnet Name :	P7
Client Sample ID :	MYDBD3	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:17:25	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3699442	3753231	3802237	3751636	1.37	cps
Lead	207-1	3349748	3358227	3340555	3349510	0.26	cps
Lead	208-1	14924676	14937313	14999666	14953885	0.27	cps
Lithium	6-1	399942	385419	384012	389791	2.26	cps
Magnesium	24-2	6337682	6393963	6362641	6364762	0.44	cps
Manganese	55-2	4053302	4021312	4071890	4048835	0.63	cps
Molybdenum	94-1	230648	236245	235955	234283	1.34	cps
Molybdenum	95-1	13750	14514	14327	14197	2.81	cps
Molybdenum	96-1	53297	55435	54675	54469	1.99	cps
Molybdenum	97-1	8969	8929	8509	8803	2.90	cps
Molybdenum	98-1	22354	22474	22868	22565	1.19	cps
Neodymium	150-1	151265	152003	154298	152522	1.04	cps
Neodymium	150-2	89633	90045	89207	89628	0.47	cps
Nickel	60-2	309133	308905	312268	310102	0.61	cps
Phosphorus	31-2	47132	47002	48122	47419	1.29	cps
Potassium	39-2	4111537	4154673	4105720	4123977	0.65	cps
Rhodium	103-1	4989868	5040819	4952620	4994436	0.89	cps
Rhodium	103-2	3062848	3044233	2589414	2898832	9.25	cps
Scandium	45-1	3400119	3350033	3408765	3386306	0.94	cps
Scandium	45-2	334090	335883	287374	319116	8.62	cps
Selenium	82-1	905	891	808	868	6.03	cps
Selenium	77-2	327	337	253	306	14.89	cps
Selenium	78-2	707	753	627	696	9.21	cps
Silicon	28-1	19878118	20147478	19798553	19941383	0.92	cps
Silver	107-1	52635	51601	52786	52341	1.23	cps
Silver	109-1	48708	49655	48655	49006	1.15	cps
Sodium	23-2	246834	246481	247080	246798	0.12	cps
Strontium	86-1	596349	612860	607643	605617	1.39	cps
Strontium	88-1	5487673	5554639	5670168	5570826	1.66	cps
Sulfur	34-1	182661	181424	180357	181481	0.64	cps
Terbium	159-1	6236348	6227223	6188148	6217240	0.41	cps
Terbium	159-2	4116613	4082007	3448941	3882520	9.68	cps
Thallium	203-1	1910	1957	1733	1867	6.31	cps
Thallium	205-1	4544	4544	4791	4626	3.08	cps
Tin	118-1	248785	251877	250301	250321	0.62	cps
Titanium	47-1	2055748	2056216	2078389	2063451	0.63	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4331-22	Instrumnet Name :	P7
Client Sample ID :	MYDBD3	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:17:25	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	21871	21952	21865	21896	0.22	cps
Vanadium	51-2	358740	358702	356677	358040	0.33	cps
Yttrium	89-1	10119369	9961907	10069664	10050313	0.80	cps
Yttrium	89-2	2611678	2635332	2273770	2506927	8.07	cps
Zinc	66-2	1988572	2025978	2027681	2014077	1.10	cps
Zirconium	90-1	613813	627952	625128	622297	1.20	cps
Zirconium	91-1	135792	138358	138585	137579	1.13	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164281BL	Instrumnet Name :	P7
Client Sample ID :	PBS281	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:20:24	DataFile Name :	078CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1223	790	883	966	23.62	cps
Antimony	121-1	110	77	87	91	18.77	cps
Arsenic	75-2	27	23	7	19	56.72	cps
Barium	135-1	327	177	140	214	46.12	cps
Barium	137-1	623	467	197	429	50.32	cps
Beryllium	9-1	10	17	13	13	25.01	cps
Bismuth	209-1	3253144	3310273	3372751	3312056	1.81	cps
Bismuth	209-2	2700087	2578565	2802949	2693867	4.17	cps
Bromine	81-1	6552	6268	6265	6361	2.59	cps
Bromine	81-2	80	107	60	82	28.48	cps
Cadmium	108-1	7	10	13	10	33.30	cps
Cadmium	106-1	1457	1223	1317	1332	8.82	cps
Cadmium	111-1	1042	859	942	948	9.63	cps
Calcium	43-1	323	293	273	297	8.48	cps
Calcium	44-1	15949	15942	15275	15722	2.46	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	780	737	733	750	3.47	cps
Cobalt	59-2	100	120	107	109	9.35	cps
Copper	63-2	3080	2860	2834	2925	4.63	cps
Dysprosium	156-1	160	187	163	170	8.55	cps
Dysprosium	156-2	47	40	23	37	32.79	cps
Erbium	164-1	47	60	27	44	37.74	cps
Erbium	164-2	40	3	47	30	77.79	cps
Gadolinium	160-1	40	17	13	23	62.27	cps
Gadolinium	160-2	137	123	140	133	6.61	cps
Holmium	165-1	5510560	5607610	5619086	5579086	1.07	cps
Holmium	165-2	3866720	3609026	3944745	3806830	4.62	cps
Indium	115-1	4923902	5006003	4950861	4960255	0.84	cps
Indium	115-2	1777606	1660046	1739030	1725561	3.47	cps
Iron	56-2	34022	23015	22066	26368	25.20	cps
Iron	57-2	3280	2827	3027	3045	7.46	cps
Iron	54-2	2774	1977	2033	2261	19.66	cps
Krypton	83-1	217	243	233	231	5.83	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164281BL	Instrumnet Name :	P7
Client Sample ID :	PBS281	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:20:24	DataFile Name :	078CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	783	807	513	701	23.25	cps
Lead	207-1	660	537	463	553	17.96	cps
Lead	208-1	2927	2647	2253	2609	12.97	cps
Lithium	6-1	378671	386307	385203	383394	1.08	cps
Magnesium	24-2	1123	673	713	837	29.77	cps
Manganese	55-2	1150	890	840	960	17.34	cps
Molybdenum	94-1	300	340	213	284	22.76	cps
Molybdenum	95-1	170	183	123	159	19.83	cps
Molybdenum	96-1	213	230	127	190	29.20	cps
Molybdenum	97-1	113	97	63	91	27.95	cps
Molybdenum	98-1	303	307	123	244	42.91	cps
Neodymium	150-1	47	20	17	28	59.19	cps
Neodymium	150-2	23	7	3	11	96.43	cps
Nickel	60-2	163	147	170	160	7.51	cps
Phosphorus	31-2	130	160	140	143	10.66	cps
Potassium	39-2	84583	85478	85626	85229	0.66	cps
Rhodium	103-1	4756432	4819962	4771187	4782527	0.70	cps
Rhodium	103-2	2945174	2787076	2968544	2900264	3.40	cps
Scandium	45-1	2967983	3015420	3006942	2996782	0.84	cps
Scandium	45-2	285875	269031	286190	280365	3.50	cps
Selenium	82-1	327	237	291	285	15.85	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	350	420	373	381	9.35	cps
Silicon	28-1	265425	264750	265577	265251	0.17	cps
Silver	107-1	203	150	147	167	19.08	cps
Silver	109-1	167	143	100	137	24.75	cps
Sodium	23-2	52335	52011	51138	51828	1.19	cps
Strontium	86-1	593	527	443	521	14.42	cps
Strontium	88-1	1810	1830	853	1498	37.27	cps
Sulfur	34-1	144061	146463	146740	145755	1.01	cps
Terbium	159-1	5743884	5707907	5690182	5713991	0.48	cps
Terbium	159-2	3919905	3673006	4010880	3867930	4.52	cps
Thallium	203-1	50	80	63	64	23.32	cps
Thallium	205-1	207	187	180	191	7.26	cps
Tin	118-1	1337	1237	1320	1298	4.13	cps
Titanium	47-1	407	367	260	344	22.01	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164281BL	Instrumnet Name :	P7
Client Sample ID :	PBS281	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:20:24	DataFile Name :	078CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	37	80	30	49	55.53	cps
Vanadium	51-2	50	27	40	39	30.10	cps
Yttrium	89-1	8664676	8885519	8702529	8750908	1.35	cps
Yttrium	89-2	2323752	2172470	2324372	2273531	3.85	cps
Zinc	66-2	543	517	507	522	3.63	cps
Zirconium	90-1	533	490	533	519	4.82	cps
Zirconium	91-1	147	120	113	127	13.93	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164281BS	Instrumnet Name :	P7
Client Sample ID :	LCS281	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:23:43	DataFile Name :	079LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5908	5968	5865	5913	0.88	cps
Antimony	121-1	21333	22802	22838	22324	3.85	cps
Arsenic	75-2	747	770	733	750	2.47	cps
Barium	135-1	25122	26348	26054	25841	2.48	cps
Barium	137-1	43540	45081	45205	44609	2.08	cps
Beryllium	9-1	1237	1317	1243	1266	3.51	cps
Bismuth	209-1	3464053	3402450	3368006	3411503	1.43	cps
Bismuth	209-2	2677390	2813283	2845188	2778620	3.21	cps
Bromine	81-1	6542	6505	6565	6537	0.46	cps
Bromine	81-2	63	67	87	72	17.48	cps
Cadmium	108-1	213	313	247	258	19.75	cps
Cadmium	106-1	1750	1683	1770	1735	2.62	cps
Cadmium	111-1	4293	4360	4410	4354	1.35	cps
Calcium	43-1	15134	16062	15762	15653	3.02	cps
Calcium	44-1	260109	267915	269604	265876	1.91	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12836	12919	12669	12808	0.99	cps
Cobalt	59-2	8523	8512	8296	8444	1.52	cps
Copper	63-2	14337	14764	13666	14256	3.88	cps
Dysprosium	156-1	137	127	157	140	10.91	cps
Dysprosium	156-2	47	57	27	43	35.25	cps
Erbium	164-1	53	53	30	46	29.57	cps
Erbium	164-2	33	17	27	26	32.81	cps
Gadolinium	160-1	27	27	13	22	34.66	cps
Gadolinium	160-2	140	127	143	137	6.45	cps
Holmium	165-1	5628084	5653971	5704507	5662187	0.69	cps
Holmium	165-2	3810122	3985406	3910317	3901948	2.25	cps
Indium	115-1	4971594	5126761	5121912	5073423	1.74	cps
Indium	115-2	1692259	1773042	1774399	1746567	2.69	cps
Iron	56-2	974329	964520	959675	966175	0.77	cps
Iron	57-2	27295	26574	26460	26776	1.69	cps
Iron	54-2	54689	53960	54609	54419	0.73	cps
Krypton	83-1	203	267	240	237	13.43	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164281BS	Instrumnet Name :	P7
Client Sample ID :	LCS281	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:23:43	DataFile Name :	079LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	7139	7349	7219	7235	1.47	cps
Lead	207-1	6225	6568	6205	6333	3.23	cps
Lead	208-1	28479	29526	28262	28755	2.35	cps
Lithium	6-1	422248	411914	427924	420695	1.93	cps
Magnesium	24-2	237362	235829	235961	236384	0.36	cps
Manganese	55-2	4707	4631	4938	4759	3.35	cps
Molybdenum	94-1	24360	23990	24046	24132	0.83	cps
Molybdenum	95-1	28391	29256	29333	28993	1.80	cps
Molybdenum	96-1	31831	32272	32573	32226	1.16	cps
Molybdenum	97-1	17654	17901	18572	18042	2.63	cps
Molybdenum	98-1	45076	46534	46705	46105	1.94	cps
Neodymium	150-1	13	17	7	12	41.65	cps
Neodymium	150-2	3	13	3	7	86.65	cps
Nickel	60-2	2490	2230	2344	2355	5.54	cps
Phosphorus	31-2	213	160	153	176	18.73	cps
Potassium	39-2	398160	396119	397247	397175	0.26	cps
Rhodium	103-1	4910740	4903178	4931829	4915249	0.30	cps
Rhodium	103-2	2875397	2987510	3008739	2957216	2.42	cps
Scandium	45-1	3110631	3087186	3006494	3068104	1.78	cps
Scandium	45-2	273650	289788	288486	283975	3.16	cps
Selenium	82-1	1212	1163	1285	1220	5.02	cps
Selenium	77-2	63	103	107	91	26.47	cps
Selenium	78-2	593	617	623	611	2.58	cps
Silicon	28-1	305959	311304	311014	309425	0.97	cps
Silver	107-1	12676	12963	13707	13115	4.06	cps
Silver	109-1	12172	12275	13019	12489	3.70	cps
Sodium	23-2	427383	424657	429149	427063	0.53	cps
Strontium	86-1	4104	4404	4231	4246	3.55	cps
Strontium	88-1	35239	34567	34444	34750	1.23	cps
Sulfur	34-1	153976	152317	154303	153532	0.69	cps
Terbium	159-1	5858499	5939709	5871117	5889775	0.74	cps
Terbium	159-2	3778646	3948747	3998562	3908652	2.95	cps
Thallium	203-1	8062	8306	7742	8037	3.52	cps
Thallium	205-1	19080	18760	18943	18928	0.85	cps
Tin	118-1	1470	1463	1397	1443	2.81	cps
Titanium	47-1	8072	8012	8072	8052	0.43	cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164281BS	Instrumnet Name :	P7
Client Sample ID :	LCS281	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 22:23:43	DataFile Name :	079LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	23180	23197	23013	23130	0.44	cps
Vanadium	51-2	24059	24209	23101	23790	2.53	cps
Yttrium	89-1	8940277	8883432	8923030	8915580	0.33	cps
Yttrium	89-2	2235982	2350471	2368941	2318465	3.11	cps
Zinc	66-2	5208	5391	5691	5430	4.50	cps
Zirconium	90-1	20331	20735	21095	20720	1.85	cps
Zirconium	91-1	4354	4687	4904	4649	5.96	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV032	Instrumnet Name :	P7
Client Sample ID :	CCV032	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:07:04	DataFile Name :	091CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7005685	7116154	7127729	7083189	0.95	cps
Antimony	121-1	3059195	3105773	3103259	3089409	0.85	cps
Arsenic	75-2	205279	203904	201150	203445	1.03	cps
Barium	135-1	3795126	3777291	3746355	3772924	0.65	cps
Barium	137-1	6522247	6576896	6568181	6555775	0.45	cps
Beryllium	9-1	309453	316897	314574	313642	1.21	cps
Bismuth	209-1	3379536	3449360	3429505	3419467	1.05	cps
Bismuth	209-2	2680254	2727163	2702755	2703391	0.87	cps
Bromine	81-1	7375	7299	7192	7289	1.26	cps
Bromine	81-2	60	57	33	50	29.06	cps
Cadmium	108-1	53662	54365	54462	54163	0.81	cps
Cadmium	106-1	77619	78611	77643	77958	0.73	cps
Cadmium	111-1	728253	744118	742629	738333	1.19	cps
Calcium	43-1	4231192	4278605	4267839	4259212	0.58	cps
Calcium	44-1	68347182	68147609	68778522	68424438	0.47	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1438594	1448714	1426235	1437847	0.78	cps
Cobalt	59-2	2295793	2267439	2258142	2273791	0.86	cps
Copper	63-2	16151751	16073413	16084582	16103249	0.26	cps
Dysprosium	156-1	293	260	250	268	8.47	cps
Dysprosium	156-2	243	230	297	257	13.74	cps
Erbium	164-1	187	163	203	184	10.89	cps
Erbium	164-2	117	100	100	106	9.12	cps
Gadolinium	160-1	113	107	140	120	14.70	cps
Gadolinium	160-2	247	273	253	258	5.38	cps
Holmium	165-1	6063502	6109501	6021658	6064887	0.72	cps
Holmium	165-2	4105713	4150454	4150206	4135457	0.62	cps
Indium	115-1	5105592	5101379	5114385	5107119	0.13	cps
Indium	115-2	1788241	1822195	1774370	1794935	1.37	cps
Iron	56-2	301832822	302236356	299124089	301064422	0.56	cps
Iron	57-2	7501270	7598718	7472979	7524322	0.88	cps
Iron	54-2	16750867	16730345	16746850	16742687	0.06	cps
Krypton	83-1	243	227	247	239	4.49	cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV032	Instrumnet Name :	P7
Client Sample ID :	CCV032	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:07:04	DataFile Name :	091CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9335607	9697426	9734504	9589179	2.30	cps
Lead	207-1	8342562	8475542	8491325	8436476	0.97	cps
Lead	208-1	37619540	38688096	38311877	38206504	1.42	cps
Lithium	6-1	399175	408440	413911	407175	1.83	cps
Magnesium	24-2	58853586	58214112	58715629	58594442	0.57	cps
Manganese	55-2	10095043	10139060	10079891	10104665	0.30	cps
Molybdenum	94-1	12158882	12337597	12166995	12221158	0.83	cps
Molybdenum	95-1	17463888	17575358	17728833	17589360	0.76	cps
Molybdenum	96-1	19130598	19359201	19255149	19248316	0.59	cps
Molybdenum	97-1	10913406	10976444	10945392	10945081	0.29	cps
Molybdenum	98-1	28084424	27974152	28213364	28090647	0.43	cps
Neodymium	150-1	183	220	217	207	9.81	cps
Neodymium	150-2	83	93	67	81	16.60	cps
Nickel	60-2	554257	553479	552895	553544	0.12	cps
Phosphorus	31-2	84599	83851	86198	84883	1.41	cps
Potassium	39-2	40816601	40354949	40147414	40439655	0.85	cps
Rhodium	103-1	4889932	4937637	4852859	4893476	0.87	cps
Rhodium	103-2	2962736	2982281	2991440	2978819	0.49	cps
Scandium	45-1	3300773	3278323	3338695	3305931	0.92	cps
Scandium	45-2	317096	319085	316595	317592	0.41	cps
Selenium	82-1	49103	50347	49864	49771	1.26	cps
Selenium	77-2	5051	5041	5174	5089	1.46	cps
Selenium	78-2	16706	16886	16309	16634	1.78	cps
Silicon	28-1	19217651	19438936	19193961	19283516	0.70	cps
Silver	107-1	3895616	3862838	3845961	3868138	0.65	cps
Silver	109-1	3717862	3706016	3729837	3717905	0.32	cps
Sodium	23-2	102113242	101287568	100775805	101392205	0.67	cps
Strontium	86-1	25837290	26266127	26549305	26217574	1.37	cps
Strontium	88-1	224699150	227159837	226221637	226026874	0.55	cps
Sulfur	34-1	376313	382053	378679	379015	0.76	cps
Terbium	159-1	6260271	6202362	6217947	6226860	0.48	cps
Terbium	159-2	4084373	4123223	4096390	4101329	0.48	cps
Thallium	203-1	2406592	2430931	2389215	2408912	0.87	cps
Thallium	205-1	5620299	5788735	5715057	5708030	1.48	cps
Tin	118-1	2449689	2429292	2509198	2462726	1.69	cps
Titanium	47-1	4547970	4634622	4688475	4623689	1.53	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV032	Instrumnet Name :	P7
Client Sample ID :	CCV032	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:07:04	DataFile Name :	091CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7030047	7236213	7308354	7191538	2.01	cps
Vanadium	51-2	1324243	1302910	1281565	1302906	1.64	cps
Yttrium	89-1	9597639	9561873	9620984	9593499	0.31	cps
Yttrium	89-2	2446669	2488517	2488044	2474410	0.97	cps
Zinc	66-2	2657347	2637442	2665708	2653499	0.55	cps
Zirconium	90-1	5606609	5633769	5736029	5658802	1.21	cps
Zirconium	91-1	1203465	1215896	1217566	1212309	0.64	cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB032	Instrumnet Name :	P7
Client Sample ID :	CCB032	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:10:38	DataFile Name :	092CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1860	1890	1813	1855	2.08	cps
Antimony	121-1	1537	1513	1493	1515	1.43	cps
Arsenic	75-2	13	27	20	20	33.35	cps
Barium	135-1	340	313	413	356	14.56	cps
Barium	137-1	697	363	597	552	30.98	cps
Beryllium	9-1	47	27	67	47	42.85	cps
Bismuth	209-1	3457602	3384177	3475646	3439141	1.41	cps
Bismuth	209-2	2802773	2789516	2837196	2809828	0.88	cps
Bromine	81-1	6712	6391	6455	6519	2.60	cps
Bromine	81-2	63	63	50	59	13.07	cps
Cadmium	108-1	7	13	17	12	41.65	cps
Cadmium	106-1	1363	1397	1293	1351	3.90	cps
Cadmium	111-1	1046	1055	970	1024	4.55	cps
Calcium	43-1	593	543	680	606	11.42	cps
Calcium	44-1	20367	19393	20464	20075	2.95	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	953	863	740	852	12.57	cps
Cobalt	59-2	270	223	203	232	14.73	cps
Copper	63-2	3110	3074	2987	3057	2.07	cps
Dysprosium	156-1	127	143	150	140	8.58	cps
Dysprosium	156-2	27	47	43	39	27.55	cps
Erbium	164-1	53	53	33	47	24.75	cps
Erbium	164-2	33	27	47	36	28.64	cps
Gadolinium	160-1	33	30	30	31	6.18	cps
Gadolinium	160-2	123	123	150	132	11.64	cps
Holmium	165-1	5902324	5821936	5703764	5809341	1.72	cps
Holmium	165-2	3976141	3973072	4019071	3989428	0.64	cps
Indium	115-1	5244651	5163850	5130922	5179807	1.13	cps
Indium	115-2	1829483	1785099	1796212	1803598	1.28	cps
Iron	56-2	47284	47465	45115	46621	2.81	cps
Iron	57-2	3811	3877	3617	3768	3.58	cps
Iron	54-2	3274	3494	3334	3367	3.38	cps
Krypton	83-1	257	257	203	239	12.89	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB032	Instrumnet Name :	P7
Client Sample ID :	CCB032	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:10:38	DataFile Name :	092CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1330	980	1387	1232	17.88	cps
Lead	207-1	1177	870	1040	1029	14.93	cps
Lead	208-1	5150	3990	5084	4741	13.74	cps
Lithium	6-1	399968	399601	390838	396802	1.30	cps
Magnesium	24-2	4071	4027	4161	4086	1.66	cps
Manganese	55-2	1593	1557	1510	1553	2.69	cps
Molybdenum	94-1	1010	1083	1063	1052	3.60	cps
Molybdenum	95-1	1207	1007	1163	1126	9.35	cps
Molybdenum	96-1	1230	1097	1353	1227	10.47	cps
Molybdenum	97-1	803	637	683	708	12.15	cps
Molybdenum	98-1	1747	1560	1857	1721	8.71	cps
Neodymium	150-1	27	7	17	17	59.99	cps
Neodymium	150-2	10	7	13	10	33.30	cps
Nickel	60-2	217	173	183	191	11.87	cps
Phosphorus	31-2	170	147	120	146	17.19	cps
Potassium	39-2	91979	92556	92898	92477	0.50	cps
Rhodium	103-1	5052627	4970937	5038941	5020835	0.87	cps
Rhodium	103-2	3103465	3064129	3043882	3070492	0.99	cps
Scandium	45-1	3170023	3196313	3195066	3187134	0.47	cps
Scandium	45-2	304037	301984	303372	303131	0.35	cps
Selenium	82-1	291	289	277	286	2.73	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	393	353	330	359	8.92	cps
Silicon	28-1	273622	271445	275843	273637	0.80	cps
Silver	107-1	410	420	437	422	3.19	cps
Silver	109-1	330	367	313	337	8.11	cps
Sodium	23-2	48600	48275	48743	48540	0.49	cps
Strontium	86-1	1697	1533	1640	1623	5.11	cps
Strontium	88-1	10934	8503	11191	10209	14.53	cps
Sulfur	34-1	159731	160610	161142	160494	0.44	cps
Terbium	159-1	5954938	5961322	5956477	5957579	0.06	cps
Terbium	159-2	3946118	4025958	4000402	3990826	1.02	cps
Thallium	203-1	543	447	517	502	9.94	cps
Thallium	205-1	1273	1183	1167	1208	4.75	cps
Tin	118-1	1850	1807	1937	1865	3.55	cps
Titanium	47-1	470	380	513	454	14.97	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB032	Instrumnet Name :	P7
Client Sample ID :	CCB032	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:10:38	DataFile Name :	092CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	310	270	273	284	7.80	cps
Vanadium	51-2	127	140	97	121	18.32	cps
Yttrium	89-1	9265731	9111807	9226426	9201321	0.87	cps
Yttrium	89-2	2418744	2399801	2408506	2409017	0.39	cps
Zinc	66-2	1073	943	877	964	10.37	cps
Zirconium	90-1	1510	1093	1270	1291	16.20	cps
Zirconium	91-1	297	290	260	282	6.92	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-08	Instrumnet Name :	P7
Client Sample ID :	MYDBE1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:13:54	DataFile Name :	093SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	29293025	29179820	28685310	29052718	1.11	cps
Antimony	121-1	293899	297856	299929	297228	1.03	cps
Arsenic	75-2	185835	184593	183608	184679	0.60	cps
Barium	135-1	1177008	1174447	1183146	1178200	0.38	cps
Barium	137-1	2215598	2234529	2250409	2233512	0.78	cps
Beryllium	9-1	8929	9293	8709	8977	3.28	cps
Bismuth	209-1	4785927	4714334	4623406	4707889	1.73	cps
Bismuth	209-2	3668531	3704203	3703225	3691986	0.55	cps
Bromine	81-1	10234	10541	11098	10624	4.12	cps
Bromine	81-2	973	1147	933	1018	11.14	cps
Cadmium	108-1	4034	3951	3977	3987	1.07	cps
Cadmium	106-1	7145	7589	7135	7290	3.55	cps
Cadmium	111-1	49672	50302	51337	50437	1.67	cps
Calcium	43-1	490219	495816	494651	493562	0.60	cps
Calcium	44-1	7724928	7905813	7737355	7789366	1.30	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1561217	1555970	1535366	1550851	0.88	cps
Cobalt	59-2	239319	235965	236980	237422	0.72	cps
Copper	63-2	30913242	30301276	30343479	30519332	1.12	cps
Dysprosium	156-1	35976	35712	36661	36116	1.36	cps
Dysprosium	156-2	33754	33186	34051	33664	1.31	cps
Erbium	164-1	24011	24091	24355	24152	0.75	cps
Erbium	164-2	15963	16056	16123	16047	0.50	cps
Gadolinium	160-1	31332	31753	30774	31286	1.57	cps
Gadolinium	160-2	22825	22408	22281	22505	1.27	cps
Holmium	165-1	6187792	6104144	6100713	6130883	0.80	cps
Holmium	165-2	4142066	4164274	4185568	4163969	0.52	cps
Indium	115-1	5216401	5284201	5405557	5302053	1.81	cps
Indium	115-2	1809446	1831495	1843244	1828062	0.94	cps
Iron	56-2	168486247	166221578	168164331	167624052	0.73	cps
Iron	57-2	4190905	4161832	4174313	4175683	0.35	cps
Iron	54-2	9501431	9309489	9264276	9358398	1.35	cps
Krypton	83-1	277	303	280	287	5.07	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-08	Instrumnet Name :	P7
Client Sample ID :	MYDBE1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:13:54	DataFile Name :	093SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6856877	6847686	6789823	6831462	0.53	cps
Lead	207-1	6010921	5973625	6045237	6009928	0.60	cps
Lead	208-1	27272560	27177861	27310384	27253602	0.25	cps
Lithium	6-1	398226	376172	375029	383142	3.41	cps
Magnesium	24-2	7391553	7353256	7350497	7365102	0.31	cps
Manganese	55-2	3927351	3888828	3812805	3876328	1.50	cps
Molybdenum	94-1	208452	210159	213952	210854	1.34	cps
Molybdenum	95-1	40603	40987	41154	40915	0.69	cps
Molybdenum	96-1	74445	75815	76070	75443	1.16	cps
Molybdenum	97-1	25539	25566	25566	25557	0.06	cps
Molybdenum	98-1	63230	64301	66732	64754	2.77	cps
Neodymium	150-1	83163	85172	84833	84389	1.27	cps
Neodymium	150-2	49262	48430	49346	49013	1.03	cps
Nickel	60-2	396545	389565	391241	392450	0.93	cps
Phosphorus	31-2	33206	32304	32023	32511	1.90	cps
Potassium	39-2	2270033	2240030	2253905	2254656	0.67	cps
Rhodium	103-1	5137474	5125544	5103560	5122192	0.34	cps
Rhodium	103-2	3112922	3033285	3057199	3067802	1.33	cps
Scandium	45-1	3462972	3494335	3473664	3476990	0.46	cps
Scandium	45-2	329362	328830	329193	329128	0.08	cps
Selenium	82-1	1710	1697	1794	1734	3.05	cps
Selenium	77-2	240	303	290	278	12.02	cps
Selenium	78-2	943	893	877	904	3.84	cps
Silicon	28-1	24200142	24717541	24448634	24455439	1.06	cps
Silver	107-1	138578	141947	140233	140253	1.20	cps
Silver	109-1	130797	133505	133548	132617	1.19	cps
Sodium	23-2	345078	345824	343575	344826	0.33	cps
Strontium	86-1	406732	413766	420341	413613	1.65	cps
Strontium	88-1	3798816	3820590	3802070	3807159	0.31	cps
Sulfur	34-1	212325	203078	196011	203805	4.01	cps
Terbium	159-1	6268363	6320019	6289243	6292542	0.41	cps
Terbium	159-2	4101836	4151482	4057297	4103538	1.15	cps
Thallium	203-1	3167	3184	3204	3185	0.58	cps
Thallium	205-1	7262	7472	7545	7427	1.98	cps
Tin	118-1	510861	518829	519165	516285	0.91	cps
Titanium	47-1	1908288	1983194	1942418	1944633	1.93	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-08	Instrumnet Name :	P7
Client Sample ID :	MYDBE1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:13:54	DataFile Name :	093SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	32543	32737	31781	32354	1.56	cps
Vanadium	51-2	328935	326750	325588	327091	0.52	cps
Yttrium	89-1	10179458	9950773	10151744	10093992	1.24	cps
Yttrium	89-2	2613292	2600267	2597381	2603647	0.33	cps
Zinc	66-2	4401953	4456782	4347038	4401924	1.25	cps
Zirconium	90-1	506713	515709	521570	514664	1.45	cps
Zirconium	91-1	111577	113411	115626	113538	1.79	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-09	Instrumnet Name :	P7
Client Sample ID :	MYDBE2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:16:56	DataFile Name :	094SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13978577	14043875	13953098	13991850	0.33	cps
Antimony	121-1	26675	27122	27763	27187	2.01	cps
Arsenic	75-2	92878	91771	92355	92335	0.60	cps
Barium	135-1	2296721	2336501	2382039	2338421	1.83	cps
Barium	137-1	3902876	3996456	4031298	3976876	1.67	cps
Beryllium	9-1	2914	2764	2670	2783	4.41	cps
Bismuth	209-1	3779147	3660560	3710114	3716607	1.60	cps
Bismuth	209-2	3025524	2983608	3002235	3003789	0.70	cps
Bromine	81-1	9386	10027	9957	9790	3.59	cps
Bromine	81-2	733	733	707	724	2.13	cps
Cadmium	108-1	1850	1930	1890	1890	2.12	cps
Cadmium	106-1	4444	4621	4627	4564	2.28	cps
Cadmium	111-1	21276	21997	21449	21574	1.75	cps
Calcium	43-1	407479	408650	414447	410192	0.91	cps
Calcium	44-1	6456932	6589108	6477167	6507736	1.09	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	745906	737198	737394	740166	0.67	cps
Cobalt	59-2	281230	279741	280224	280399	0.27	cps
Copper	63-2	7331583	7346551	7366989	7348374	0.24	cps
Dysprosium	156-1	86280	87584	87540	87135	0.85	cps
Dysprosium	156-2	84160	82986	83178	83442	0.75	cps
Erbium	164-1	50280	51133	51488	50967	1.22	cps
Erbium	164-2	34646	34539	34326	34504	0.47	cps
Gadolinium	160-1	73150	74507	72262	73306	1.54	cps
Gadolinium	160-2	53248	53602	52331	53060	1.24	cps
Holmium	165-1	5886769	6037042	6096614	6006808	1.80	cps
Holmium	165-2	4208481	4092845	4145268	4148865	1.40	cps
Indium	115-1	5168775	5196560	5295012	5220116	1.27	cps
Indium	115-2	1875648	1843214	1842348	1853736	1.02	cps
Iron	56-2	240127023	240261550	234254263	238214279	1.44	cps
Iron	57-2	5886615	5860409	5832456	5859827	0.46	cps
Iron	54-2	13441005	13025629	13166897	13211177	1.60	cps
Krypton	83-1	310	250	313	291	12.24	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-09	Instrumnet Name :	P7
Client Sample ID :	MYDBE2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:16:56	DataFile Name :	094SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1983171	2015780	2033866	2010939	1.28	cps
Lead	207-1	1508549	1525512	1521206	1518422	0.58	cps
Lead	208-1	7681553	7737328	7838674	7752518	1.03	cps
Lithium	6-1	382785	369786	372780	375117	1.81	cps
Magnesium	24-2	7405490	7418243	7385242	7402991	0.22	cps
Manganese	55-2	4422475	4413421	4359407	4398434	0.78	cps
Molybdenum	94-1	287521	293081	291088	290563	0.97	cps
Molybdenum	95-1	6805	6902	7302	7003	3.76	cps
Molybdenum	96-1	55990	56613	57054	56552	0.95	cps
Molybdenum	97-1	4171	4221	4201	4197	0.60	cps
Molybdenum	98-1	10671	10454	10541	10555	1.03	cps
Neodymium	150-1	217756	224243	224750	222250	1.75	cps
Neodymium	150-2	131571	130759	131470	131267	0.34	cps
Nickel	60-2	350520	346608	345016	347381	0.82	cps
Phosphorus	31-2	51737	51085	49610	50811	2.14	cps
Potassium	39-2	2864954	2848056	2852119	2855043	0.31	cps
Rhodium	103-1	5096910	5135369	5021221	5084500	1.14	cps
Rhodium	103-2	3095324	3138976	3112957	3115752	0.70	cps
Scandium	45-1	3582160	3583422	3567039	3577541	0.25	cps
Scandium	45-2	347213	344603	342573	344796	0.67	cps
Selenium	82-1	720	814	697	743	8.39	cps
Selenium	77-2	393	497	443	444	11.63	cps
Selenium	78-2	783	757	770	770	1.73	cps
Silicon	28-1	19398006	19815551	19459200	19557586	1.15	cps
Silver	107-1	45906	46735	47019	46553	1.24	cps
Silver	109-1	43666	44675	44137	44159	1.14	cps
Sodium	23-2	368589	365896	366367	366951	0.39	cps
Strontium	86-1	747380	770578	764713	760890	1.59	cps
Strontium	88-1	6825697	7038119	6930893	6931570	1.53	cps
Sulfur	34-1	138921	138114	136621	137885	0.85	cps
Terbium	159-1	6186101	6222585	6204578	6204421	0.29	cps
Terbium	159-2	4151388	4162222	4053579	4122396	1.45	cps
Thallium	203-1	2624	2480	2690	2598	4.13	cps
Thallium	205-1	6081	6352	6692	6375	4.80	cps
Tin	118-1	86544	86377	88181	87034	1.15	cps
Titanium	47-1	1977159	2031124	2021094	2009792	1.43	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-09	Instrumnet Name :	P7
Client Sample ID :	MYDBE2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:16:56	DataFile Name :	094SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33081	33412	34710	33735	2.55	cps
Vanadium	51-2	519331	515844	510722	515299	0.84	cps
Yttrium	89-1	10404979	10459836	10444968	10436594	0.27	cps
Yttrium	89-2	2749088	2744768	2711153	2735003	0.76	cps
Zinc	66-2	822872	807367	808402	812880	1.07	cps
Zirconium	90-1	778373	789675	807873	791974	1.88	cps
Zirconium	91-1	172221	175487	177336	175015	1.48	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-10	Instrumnet Name :	P7
Client Sample ID :	MYDBE3	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:19:56	DataFile Name :	095SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15491741	15461850	15485068	15479553	0.10	cps
Antimony	121-1	46120	45910	46535	46188	0.69	cps
Arsenic	75-2	154933	153694	155094	154574	0.50	cps
Barium	135-1	2215658	2196956	2194141	2202251	0.53	cps
Barium	137-1	3863980	3888357	3846569	3866302	0.54	cps
Beryllium	9-1	3044	2787	2877	2903	4.49	cps
Bismuth	209-1	3320471	3807160	3714234	3613955	7.15	cps
Bismuth	209-2	2927645	2996886	2986480	2970337	1.26	cps
Bromine	81-1	9180	9536	9220	9312	2.10	cps
Bromine	81-2	703	673	630	669	5.51	cps
Cadmium	108-1	3060	3210	2970	3080	3.94	cps
Cadmium	106-1	6278	6208	6108	6198	1.38	cps
Cadmium	111-1	38404	39771	39404	39193	1.80	cps
Calcium	43-1	606259	602647	607713	605540	0.43	cps
Calcium	44-1	9474430	9518196	9428719	9473782	0.47	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	805636	797009	803122	801922	0.55	cps
Cobalt	59-2	436718	436183	435819	436240	0.10	cps
Copper	63-2	13069586	12958734	12906253	12978191	0.64	cps
Dysprosium	156-1	121151	119066	121060	120426	0.98	cps
Dysprosium	156-2	116179	115073	117466	116240	1.03	cps
Erbium	164-1	66068	65600	65278	65649	0.61	cps
Erbium	164-2	44808	43234	43411	43818	1.97	cps
Gadolinium	160-1	95375	96798	97479	96551	1.11	cps
Gadolinium	160-2	68543	68386	69069	68666	0.52	cps
Holmium	165-1	5270919	6125247	6060757	5818974	8.18	cps
Holmium	165-2	4087660	4128093	4035904	4083885	1.13	cps
Indium	115-1	4552478	5231874	5223144	5002499	7.79	cps
Indium	115-2	1825621	1825753	1818856	1823410	0.22	cps
Iron	56-2	305212542	309398749	305842635	306817975	0.74	cps
Iron	57-2	7556626	7573401	7565719	7565249	0.11	cps
Iron	54-2	17251222	16829716	16853311	16978083	1.39	cps
Krypton	83-1	357	387	333	359	7.45	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-10	Instrumnet Name :	P7
Client Sample ID :	MYDBE3	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:19:56	DataFile Name :	095SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3078495	3059152	3030722	3056123	0.79	cps
Lead	207-1	2680250	2679055	2699875	2686394	0.44	cps
Lead	208-1	12162039	12156582	12158206	12158942	0.02	cps
Lithium	6-1	323110	362345	348523	344659	5.77	cps
Magnesium	24-2	11420977	11433521	11536649	11463715	0.55	cps
Manganese	55-2	7134665	7076007	7058518	7089730	0.56	cps
Molybdenum	94-1	298323	302302	302485	301036	0.78	cps
Molybdenum	95-1	9083	9513	9360	9319	2.34	cps
Molybdenum	96-1	60713	61787	61861	61453	1.05	cps
Molybdenum	97-1	5821	5795	5751	5789	0.61	cps
Molybdenum	98-1	14908	14330	14504	14581	2.03	cps
Neodymium	150-1	308396	311573	314128	311366	0.92	cps
Neodymium	150-2	182242	180685	182913	181947	0.63	cps
Nickel	60-2	480882	477675	482230	480262	0.49	cps
Phosphorus	31-2	83487	82853	83372	83237	0.41	cps
Potassium	39-2	3473817	3407817	3411394	3431009	1.08	cps
Rhodium	103-1	4455833	5155493	5079418	4896915	7.84	cps
Rhodium	103-2	3129888	3032829	3077656	3080124	1.58	cps
Scandium	45-1	3195010	3622367	3570879	3462752	6.74	cps
Scandium	45-2	350006	343649	348857	347504	0.97	cps
Selenium	82-1	871	850	912	878	3.60	cps
Selenium	77-2	633	527	643	601	10.76	cps
Selenium	78-2	813	900	850	854	5.09	cps
Silicon	28-1	13829176	14425410	14213311	14155966	2.13	cps
Silver	107-1	56650	57691	57982	57441	1.22	cps
Silver	109-1	53180	53706	53682	53523	0.55	cps
Sodium	23-2	1218057	1192822	1274556	1228478	3.41	cps
Strontium	86-1	1535877	1538118	1555058	1543018	0.68	cps
Strontium	88-1	13584260	13322738	13587851	13498283	1.13	cps
Sulfur	34-1	143496	146797	145383	145226	1.14	cps
Terbium	159-1	5487071	6224482	6299890	6003814	7.48	cps
Terbium	159-2	4072130	4142563	4110980	4108558	0.86	cps
Thallium	203-1	3357	3217	3060	3212	4.62	cps
Thallium	205-1	7535	7409	7792	7579	2.58	cps
Tin	118-1	76599	77206	77551	77118	0.62	cps
Titanium	47-1	2348728	2339746	2348261	2345578	0.22	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-10	Instrumnet Name :	P7
Client Sample ID :	MYDBE3	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:19:56	DataFile Name :	095SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	48686	48813	48866	48788	0.19	cps
Vanadium	51-2	611665	614935	610445	612348	0.38	cps
Yttrium	89-1	9468593	10767650	10498895	10245046	6.69	cps
Yttrium	89-2	2798108	2798597	2783143	2793282	0.31	cps
Zinc	66-2	1150105	1143179	1152511	1148598	0.42	cps
Zirconium	90-1	806365	825396	817032	816265	1.17	cps
Zirconium	91-1	179547	182527	182343	181472	0.92	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-11	Instrumnet Name :	P7
Client Sample ID :	MYDBE4	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:22:57	DataFile Name :	096SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	19150788	19111146	19079553	19113829	0.19	cps
Antimony	121-1	138207	141745	141801	140584	1.46	cps
Arsenic	75-2	206298	203344	205366	205002	0.74	cps
Barium	135-1	1364861	1376031	1382815	1374569	0.66	cps
Barium	137-1	2536422	2612315	2570472	2573070	1.48	cps
Beryllium	9-1	5134	4827	4797	4920	3.79	cps
Bismuth	209-1	4316992	4276366	4236137	4276498	0.95	cps
Bismuth	209-2	3433543	3470526	3404739	3436269	0.96	cps
Bromine	81-1	10167	10140	10487	10265	1.88	cps
Bromine	81-2	727	743	807	759	5.56	cps
Cadmium	108-1	2994	3164	3364	3174	5.84	cps
Cadmium	106-1	6441	6365	6261	6356	1.42	cps
Cadmium	111-1	42613	42630	42515	42586	0.15	cps
Calcium	43-1	295817	301787	296002	297868	1.14	cps
Calcium	44-1	4678915	4731407	4749845	4720055	0.78	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1039411	1036883	1034167	1036820	0.25	cps
Cobalt	59-2	228012	225839	227680	227177	0.52	cps
Copper	63-2	20753186	20483846	20673802	20636945	0.67	cps
Dysprosium	156-1	54154	54843	54110	54369	0.76	cps
Dysprosium	156-2	49367	50119	50139	49875	0.88	cps
Erbium	164-1	32718	32635	32090	32481	1.05	cps
Erbium	164-2	21353	21994	21490	21612	1.56	cps
Gadolinium	160-1	44691	44992	45162	44949	0.53	cps
Gadolinium	160-2	32835	32187	31452	32158	2.15	cps
Holmium	165-1	6085405	6146312	6043791	6091836	0.85	cps
Holmium	165-2	4127807	4139263	4098602	4121891	0.51	cps
Indium	115-1	5215451	5290443	5425884	5310593	2.01	cps
Indium	115-2	1852051	1831242	1836648	1839980	0.59	cps
Iron	56-2	179825824	175152191	176234891	177070968	1.38	cps
Iron	57-2	4465751	4381568	4344337	4397219	1.41	cps
Iron	54-2	9905412	9840818	9880813	9875681	0.33	cps
Krypton	83-1	270	363	287	307	16.23	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-11	Instrumnet Name :	P7
Client Sample ID :	MYDBE4	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:22:57	DataFile Name :	096SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6004773	6073038	6051543	6043118	0.58	cps
Lead	207-1	5267547	5259970	5337227	5288248	0.81	cps
Lead	208-1	23744536	23754610	23827647	23775598	0.19	cps
Lithium	6-1	372039	380470	360448	370986	2.71	cps
Magnesium	24-2	5248728	5280545	5190625	5239966	0.87	cps
Manganese	55-2	3785349	3728951	3716074	3743458	0.98	cps
Molybdenum	94-1	188637	193657	193023	191772	1.43	cps
Molybdenum	95-1	23185	23769	24223	23726	2.19	cps
Molybdenum	96-1	54963	56268	57218	56150	2.02	cps
Molybdenum	97-1	14457	14387	14708	14517	1.16	cps
Molybdenum	98-1	37572	37281	37896	37583	0.82	cps
Neodymium	150-1	127477	130188	131016	129560	1.43	cps
Neodymium	150-2	74760	75350	75092	75067	0.39	cps
Nickel	60-2	305790	301444	302424	303220	0.75	cps
Phosphorus	31-2	44692	44565	44866	44707	0.34	cps
Potassium	39-2	2542565	2508606	2502128	2517766	0.86	cps
Rhodium	103-1	5115140	5164827	5046556	5108841	1.16	cps
Rhodium	103-2	3117641	3088815	3043110	3083189	1.22	cps
Scandium	45-1	3418071	3504915	3388375	3437120	1.76	cps
Scandium	45-2	328452	330716	328318	329162	0.41	cps
Selenium	82-1	1288	1208	1337	1278	5.08	cps
Selenium	77-2	310	320	307	312	2.22	cps
Selenium	78-2	827	820	833	827	0.81	cps
Silicon	28-1	22230790	22200046	22436956	22289264	0.58	cps
Silver	107-1	103114	103946	105728	104262	1.28	cps
Silver	109-1	97703	98636	100536	98959	1.46	cps
Sodium	23-2	276560	278595	278456	277870	0.41	cps
Strontium	86-1	428244	436316	437204	433921	1.14	cps
Strontium	88-1	3933184	3967707	4025882	3975591	1.18	cps
Sulfur	34-1	169840	167295	166638	167924	1.01	cps
Terbium	159-1	6234414	6341124	6293243	6289594	0.85	cps
Terbium	159-2	4110792	4095677	4102737	4103069	0.18	cps
Thallium	203-1	2697	2860	2734	2764	3.10	cps
Thallium	205-1	6532	6765	6805	6701	2.20	cps
Tin	118-1	356909	357225	359637	357924	0.42	cps
Titanium	47-1	1967864	2020456	2005523	1997948	1.36	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-11	Instrumnet Name :	P7
Client Sample ID :	MYDBE4	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:22:57	DataFile Name :	096SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	25775	26046	25979	25933	0.54	cps
Vanadium	51-2	311253	308172	308008	309144	0.59	cps
Yttrium	89-1	10197602	10149658	10112147	10153136	0.42	cps
Yttrium	89-2	2637533	2611515	2618085	2622378	0.52	cps
Zinc	66-2	2448508	2415889	2433368	2432588	0.67	cps
Zirconium	90-1	477969	488413	491543	485975	1.46	cps
Zirconium	91-1	107397	109683	108837	108639	1.06	cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-12	Instrumnet Name :	P7
Client Sample ID :	MYDBE5	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:25:57	DataFile Name :	097SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	18304131	18372479	18568987	18415199	0.75	cps
Antimony	121-1	168020	168724	170157	168967	0.64	cps
Arsenic	75-2	303807	303770	301692	303090	0.40	cps
Barium	135-1	3240994	3355524	3278323	3291614	1.77	cps
Barium	137-1	5564221	5669225	5645291	5626246	0.98	cps
Beryllium	9-1	4757	4584	4631	4657	1.93	cps
Bismuth	209-1	4288999	4231537	4263921	4261486	0.68	cps
Bismuth	209-2	3383969	3422554	3423824	3410116	0.66	cps
Bromine	81-1	10320	10621	10727	10556	2.00	cps
Bromine	81-2	853	777	953	861	10.29	cps
Cadmium	108-1	3947	3741	3754	3814	3.03	cps
Cadmium	106-1	6872	6902	6828	6867	0.54	cps
Cadmium	111-1	49060	50610	50061	49910	1.57	cps
Calcium	43-1	395989	400196	403730	399972	0.97	cps
Calcium	44-1	6287933	6393890	6396713	6359512	0.97	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	938731	931087	939752	936523	0.51	cps
Cobalt	59-2	310942	306222	309054	308740	0.77	cps
Copper	63-2	30386061	30680073	30101808	30389314	0.95	cps
Dysprosium	156-1	54425	55583	55051	55019	1.05	cps
Dysprosium	156-2	49520	51360	50096	50325	1.87	cps
Erbium	164-1	35154	36110	36320	35862	1.73	cps
Erbium	164-2	23777	23827	24211	23938	0.99	cps
Gadolinium	160-1	48698	48246	48902	48615	0.69	cps
Gadolinium	160-2	34576	34138	34970	34562	1.20	cps
Holmium	165-1	6011993	6058069	6046364	6038809	0.40	cps
Holmium	165-2	4064651	4135947	4080511	4093703	0.91	cps
Indium	115-1	5241533	5214696	5168702	5208311	0.71	cps
Indium	115-2	1756797	1799237	1781035	1779023	1.20	cps
Iron	56-2	610018711	602495244	596886804	603133587	1.09	cps
Iron	57-2	14818609	15050014	15084270	14984298	0.96	cps
Iron	54-2	33239860	33129791	33610870	33326840	0.76	cps
Krypton	83-1	303	280	260	281	7.72	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-12	Instrumnet Name :	P7
Client Sample ID :	MYDBE5	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:25:57	DataFile Name :	097SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10874980	11006456	10979112	10953516	0.63	cps
Lead	207-1	9756880	9661406	9727476	9715254	0.50	cps
Lead	208-1	43840960	44026297	43945455	43937570	0.21	cps
Lithium	6-1	355738	362651	342121	353503	2.96	cps
Magnesium	24-2	6076485	6060974	6115980	6084480	0.47	cps
Manganese	55-2	5272379	5250479	5308085	5276981	0.55	cps
Molybdenum	94-1	152989	157141	156312	155480	1.41	cps
Molybdenum	95-1	31330	31871	31948	31717	1.06	cps
Molybdenum	96-1	61131	62744	62603	62159	1.44	cps
Molybdenum	97-1	19093	20081	20067	19747	2.87	cps
Molybdenum	98-1	50129	49875	48939	49647	1.26	cps
Neodymium	150-1	129643	130461	130498	130201	0.37	cps
Neodymium	150-2	75460	75005	74288	74918	0.79	cps
Nickel	60-2	283527	281492	280872	281964	0.49	cps
Phosphorus	31-2	40196	40597	40537	40443	0.53	cps
Potassium	39-2	4397120	4360570	4319742	4359144	0.89	cps
Rhodium	103-1	5078084	5014115	5007799	5033333	0.77	cps
Rhodium	103-2	3022477	3067269	3013389	3034378	0.95	cps
Scandium	45-1	3435546	3471674	3457296	3454839	0.53	cps
Scandium	45-2	330998	329189	331835	330674	0.41	cps
Selenium	82-1	2392	2393	2450	2412	1.38	cps
Selenium	77-2	457	507	410	458	10.56	cps
Selenium	78-2	1227	1273	1280	1260	2.31	cps
Silicon	28-1	21091169	21615091	21150644	21285635	1.35	cps
Silver	107-1	174749	176824	178562	176712	1.08	cps
Silver	109-1	165982	168942	167695	167540	0.89	cps
Sodium	23-2	378742	380203	377728	378891	0.33	cps
Strontium	86-1	557754	561933	563859	561182	0.56	cps
Strontium	88-1	5083009	5211489	5184314	5159604	1.31	cps
Sulfur	34-1	224385	227084	226769	226079	0.65	cps
Terbium	159-1	6220482	6259726	6180750	6220319	0.63	cps
Terbium	159-2	4070797	3952915	4009603	4011105	1.47	cps
Thallium	203-1	4154	4024	4057	4078	1.66	cps
Thallium	205-1	9260	9740	9520	9507	2.53	cps
Tin	118-1	2579535	2586146	2613298	2592993	0.69	cps
Titanium	47-1	1834912	1877586	1844504	1852334	1.21	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-12	Instrumnet Name :	P7
Client Sample ID :	MYDBE5	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:25:57	DataFile Name :	097SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	28153	28704	28995	28618	1.49	cps
Vanadium	51-2	378075	376990	372537	375867	0.78	cps
Yttrium	89-1	10110614	10164688	10156733	10144012	0.29	cps
Yttrium	89-2	2608695	2571918	2597414	2592675	0.73	cps
Zinc	66-2	4129941	4157691	4159858	4149163	0.40	cps
Zirconium	90-1	368290	378672	381069	376011	1.81	cps
Zirconium	91-1	83278	84599	83814	83897	0.79	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13	Instrumnet Name :	P7
Client Sample ID :	MYDBE6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:28:58	DataFile Name :	098SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14890098	14747191	14710613	14782634	0.64	cps
Antimony	121-1	74616	74961	76512	75363	1.34	cps
Arsenic	75-2	172250	171697	169816	171254	0.75	cps
Barium	135-1	2627129	2666337	2663776	2652414	0.83	cps
Barium	137-1	4425280	4558142	4590976	4524799	1.94	cps
Beryllium	9-1	3154	3187	3124	3155	1.00	cps
Bismuth	209-1	3866245	3946621	3918900	3910589	1.04	cps
Bismuth	209-2	3155786	3031226	3098012	3095008	2.01	cps
Bromine	81-1	9513	9120	9623	9419	2.81	cps
Bromine	81-2	693	763	633	697	9.34	cps
Cadmium	108-1	2840	3177	2880	2966	6.20	cps
Cadmium	106-1	6038	6018	5998	6018	0.33	cps
Cadmium	111-1	38377	38729	38832	38646	0.62	cps
Calcium	43-1	529500	535449	538310	534420	0.84	cps
Calcium	44-1	8373109	8411796	8472528	8419145	0.60	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	789143	783044	781411	784533	0.52	cps
Cobalt	59-2	357100	353652	356071	355608	0.50	cps
Copper	63-2	14927942	14905936	14726991	14853623	0.74	cps
Dysprosium	156-1	89855	90405	90328	90196	0.33	cps
Dysprosium	156-2	83734	83459	84925	84040	0.93	cps
Erbium	164-1	51578	52284	52314	52059	0.80	cps
Erbium	164-2	35431	34503	34860	34931	1.34	cps
Gadolinium	160-1	73458	75492	74463	74471	1.37	cps
Gadolinium	160-2	52665	51752	52561	52326	0.96	cps
Holmium	165-1	5961667	6061481	6053494	6025547	0.92	cps
Holmium	165-2	4064842	4060095	4011999	4045645	0.72	cps
Indium	115-1	5281707	5195095	5243720	5240174	0.83	cps
Indium	115-2	1827857	1795475	1770271	1797868	1.61	cps
Iron	56-2	257478463	253182256	256025290	255562003	0.86	cps
Iron	57-2	6287584	6351925	6429730	6356413	1.12	cps
Iron	54-2	14330692	14003581	14109875	14148049	1.18	cps
Krypton	83-1	270	293	333	299	10.72	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13	Instrumnet Name :	P7
Client Sample ID :	MYDBE6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:28:58	DataFile Name :	098SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4029196	4049792	4118768	4065918	1.15	cps
Lead	207-1	3609894	3628028	3647777	3628566	0.52	cps
Lead	208-1	16118415	16357450	16444232	16306699	1.03	cps
Lithium	6-1	349418	340396	338558	342791	1.70	cps
Magnesium	24-2	7795398	7696252	7605044	7698898	1.24	cps
Manganese	55-2	5814709	5680059	5666532	5720433	1.43	cps
Molybdenum	94-1	239030	246402	247037	244157	1.82	cps
Molybdenum	95-1	12973	13500	13606	13360	2.54	cps
Molybdenum	96-1	54304	55461	56255	55340	1.77	cps
Molybdenum	97-1	8239	8099	8399	8246	1.82	cps
Molybdenum	98-1	20488	21209	21419	21039	2.32	cps
Neodymium	150-1	221433	224084	225423	223647	0.91	cps
Neodymium	150-2	129872	128737	129361	129323	0.44	cps
Nickel	60-2	356806	353024	354449	354760	0.54	cps
Phosphorus	31-2	66561	65804	66159	66175	0.57	cps
Potassium	39-2	3229576	3177329	3162307	3189737	1.11	cps
Rhodium	103-1	5067241	5097682	5029239	5064721	0.68	cps
Rhodium	103-2	3063971	3017828	3034583	3038794	0.77	cps
Scandium	45-1	3503808	3430081	3516435	3483441	1.34	cps
Scandium	45-2	337952	331521	329400	332958	1.34	cps
Selenium	82-1	1247	1166	1164	1193	3.98	cps
Selenium	77-2	423	400	383	402	5.00	cps
Selenium	78-2	870	863	987	907	7.65	cps
Silicon	28-1	14486911	14733446	14625924	14615427	0.85	cps
Silver	107-1	91641	92559	93482	92561	0.99	cps
Silver	109-1	86872	86976	86379	86742	0.37	cps
Sodium	23-2	911259	910407	904374	908680	0.41	cps
Strontium	86-1	1027459	1034022	1041054	1034179	0.66	cps
Strontium	88-1	9335606	9570255	9434176	9446679	1.25	cps
Sulfur	34-1	166361	163694	164478	164844	0.83	cps
Terbium	159-1	6246394	6216032	6142126	6201517	0.86	cps
Terbium	159-2	4027441	4015349	3921802	3988197	1.45	cps
Thallium	203-1	3400	3234	3480	3372	3.73	cps
Thallium	205-1	8203	8236	8183	8207	0.33	cps
Tin	118-1	140996	142335	144025	142452	1.07	cps
Titanium	47-1	2215181	2167052	2206113	2196116	1.16	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13	Instrumnet Name :	P7
Client Sample ID :	MYDBE6	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:28:58	DataFile Name :	098SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	39458	39010	40806	39758	2.35	cps
Vanadium	51-2	486860	483885	479609	483451	0.75	cps
Yttrium	89-1	10376859	10344434	10341092	10354128	0.19	cps
Yttrium	89-2	2746072	2674620	2687564	2702752	1.41	cps
Zinc	66-2	1416089	1400960	1400187	1405745	0.64	cps
Zirconium	90-1	644209	654336	653936	650827	0.88	cps
Zirconium	91-1	143669	144912	146524	145035	0.99	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-14	Instrumnet Name :	P7
Client Sample ID :	MYDBE6D	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:31:57	DataFile Name :	099SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14474395	14657203	14080290	14403963	2.05	cps
Antimony	121-1	71869	74616	75219	73901	2.42	cps
Arsenic	75-2	168245	168292	166969	167835	0.45	cps
Barium	135-1	2542548	2560780	2603528	2568952	1.22	cps
Barium	137-1	4347323	4414630	4445308	4402420	1.14	cps
Beryllium	9-1	2907	2964	3237	3036	5.81	cps
Bismuth	209-1	3800271	3857733	3960981	3872995	2.10	cps
Bismuth	209-2	3095098	3096118	3071393	3087536	0.45	cps
Bromine	81-1	8966	9063	9043	9024	0.57	cps
Bromine	81-2	700	623	600	641	8.16	cps
Cadmium	108-1	2877	2924	3057	2953	3.16	cps
Cadmium	106-1	5985	5848	6021	5951	1.54	cps
Cadmium	111-1	37241	36872	37953	37355	1.47	cps
Calcium	43-1	503010	515039	516724	511591	1.46	cps
Calcium	44-1	7946770	7867816	8239596	8018061	2.44	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	780125	771125	768611	773287	0.78	cps
Cobalt	59-2	347682	343853	347564	346366	0.63	cps
Copper	63-2	14519227	14427821	14595875	14514308	0.58	cps
Dysprosium	156-1	85847	87447	87946	87080	1.26	cps
Dysprosium	156-2	80878	81501	81890	81423	0.63	cps
Erbium	164-1	49835	50451	50759	50348	0.93	cps
Erbium	164-2	34128	34021	33914	34021	0.31	cps
Gadolinium	160-1	70808	71414	73307	71843	1.81	cps
Gadolinium	160-2	51110	51501	51086	51232	0.45	cps
Holmium	165-1	5822927	5941289	5998745	5920987	1.51	cps
Holmium	165-2	4074621	4060648	4000294	4045188	0.98	cps
Indium	115-1	5178238	5163675	5218217	5186710	0.54	cps
Indium	115-2	1769420	1814899	1823896	1802738	1.62	cps
Iron	56-2	252324636	250691870	248906756	250641087	0.68	cps
Iron	57-2	6222829	6155850	6147094	6175257	0.67	cps
Iron	54-2	14070260	13784910	13748794	13867988	1.27	cps
Krypton	83-1	327	290	310	309	5.94	cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-14	Instrumnet Name :	P7
Client Sample ID :	MYDBE6D	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:31:57	DataFile Name :	099SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3940020	3963876	4048685	3984194	1.43	cps
Lead	207-1	3549260	3566365	3610880	3575502	0.89	cps
Lead	208-1	15933032	16000960	16140269	16024754	0.66	cps
Lithium	6-1	331023	334408	335258	333563	0.67	cps
Magnesium	24-2	7513394	7430475	7395730	7446533	0.81	cps
Manganese	55-2	5602767	5513093	5502755	5539538	0.99	cps
Molybdenum	94-1	233740	241989	246145	240624	2.62	cps
Molybdenum	95-1	12996	13600	13326	13307	2.27	cps
Molybdenum	96-1	53708	54796	55415	54640	1.58	cps
Molybdenum	97-1	8082	8152	8029	8088	0.77	cps
Molybdenum	98-1	20087	21353	20204	20548	3.40	cps
Neodymium	150-1	215056	219435	218928	217806	1.10	cps
Neodymium	150-2	126478	124625	124521	125208	0.88	cps
Nickel	60-2	342536	340710	342256	341834	0.29	cps
Phosphorus	31-2	64736	63347	63401	63828	1.23	cps
Potassium	39-2	3108265	3080177	3060755	3083066	0.77	cps
Rhodium	103-1	4852719	5043749	4983236	4959901	1.97	cps
Rhodium	103-2	3066270	3009336	3057672	3044426	1.01	cps
Scandium	45-1	3345100	3387857	3474028	3402328	1.93	cps
Scandium	45-2	332208	332229	331064	331834	0.20	cps
Selenium	82-1	1151	1138	1262	1184	5.72	cps
Selenium	77-2	507	403	423	444	12.33	cps
Selenium	78-2	967	830	893	897	7.63	cps
Silicon	28-1	14964930	14927107	15022564	14971534	0.32	cps
Silver	107-1	88019	90816	91919	90251	2.23	cps
Silver	109-1	82701	83904	85018	83874	1.38	cps
Sodium	23-2	841014	841833	845888	842912	0.31	cps
Strontium	86-1	970700	991842	1008091	990211	1.89	cps
Strontium	88-1	8805013	9119058	9190821	9038297	2.27	cps
Sulfur	34-1	162177	162147	159725	161350	0.87	cps
Terbium	159-1	5981563	6184054	6156884	6107501	1.80	cps
Terbium	159-2	4005397	4003951	4043833	4017727	0.56	cps
Thallium	203-1	3067	3444	3621	3377	8.37	cps
Thallium	205-1	7992	8029	8209	8077	1.44	cps
Tin	118-1	138160	138364	142538	139687	1.77	cps
Titanium	47-1	2108411	2114872	2164091	2129125	1.43	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-14	Instrumnet Name :	P7
Client Sample ID :	MYDBE6D	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:31:57	DataFile Name :	099SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	38412	38566	38757	38578	0.45	cps
Vanadium	51-2	473357	476916	477429	475901	0.47	cps
Yttrium	89-1	10119841	10349602	10525500	10331648	1.97	cps
Yttrium	89-2	2644461	2691314	2698063	2677946	1.09	cps
Zinc	66-2	1378312	1368523	1373441	1373426	0.36	cps
Zirconium	90-1	636185	641446	647591	641740	0.89	cps
Zirconium	91-1	139154	143619	145969	142914	2.42	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13LX5	Instrumnet Name :	P7
Client Sample ID :	MYDBE6L	Dilution Factor :	5
Date & Time Acquired :	2024-10-29 23:34:59	DataFile Name :	100SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2747241	2728911	2707354	2727835	0.73	cps
Antimony	121-1	13830	13974	14157	13987	1.17	cps
Arsenic	75-2	31807	31106	31787	31567	1.27	cps
Barium	135-1	438785	441113	440884	440261	0.29	cps
Barium	137-1	754173	764539	762138	760283	0.71	cps
Beryllium	9-1	537	590	567	564	4.74	cps
Bismuth	209-1	3617458	3578332	3646512	3614101	0.95	cps
Bismuth	209-2	2851619	2853533	2929247	2878133	1.54	cps
Bromine	81-1	7012	7162	7065	7080	1.07	cps
Bromine	81-2	187	197	170	184	7.30	cps
Cadmium	108-1	543	593	573	570	4.41	cps
Cadmium	106-1	2280	2237	2364	2294	2.81	cps
Cadmium	111-1	7934	7872	8031	7946	1.01	cps
Calcium	43-1	98377	99209	99598	99061	0.63	cps
Calcium	44-1	1567948	1580515	1574881	1574448	0.40	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	146703	144498	145683	145628	0.76	cps
Cobalt	59-2	67327	66353	65271	66317	1.55	cps
Copper	63-2	2792997	2798591	2759700	2783763	0.76	cps
Dysprosium	156-1	16250	16323	16777	16450	1.74	cps
Dysprosium	156-2	15492	15629	15996	15706	1.66	cps
Erbium	164-1	9387	9533	9643	9521	1.35	cps
Erbium	164-2	6575	6241	6565	6460	2.94	cps
Gadolinium	160-1	13173	13600	13560	13444	1.75	cps
Gadolinium	160-2	9657	10167	9763	9862	2.73	cps
Holmium	165-1	6151096	5946569	5851483	5983049	2.56	cps
Holmium	165-2	4051764	4052470	4032473	4045569	0.28	cps
Indium	115-1	5356072	5298427	5275004	5309835	0.79	cps
Indium	115-2	1814665	1815316	1801818	1810600	0.42	cps
Iron	56-2	47163884	47081144	46830408	47025145	0.37	cps
Iron	57-2	1196817	1202401	1191787	1197002	0.44	cps
Iron	54-2	2627544	2626570	2654395	2636169	0.60	cps
Krypton	83-1	250	260	257	256	1.99	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13LX5	Instrumnet Name :	P7
Client Sample ID :	MYDBE6L	Dilution Factor :	5
Date & Time Acquired :	2024-10-29 23:34:59	DataFile Name :	100SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	655165	661570	663917	660217	0.69	cps
Lead	207-1	579128	587654	580036	582272	0.80	cps
Lead	208-1	2608650	2638969	2641645	2629755	0.70	cps
Lithium	6-1	338044	347399	342624	342689	1.37	cps
Magnesium	24-2	1397068	1422655	1435321	1418348	1.37	cps
Manganese	55-2	1042549	1043898	1054018	1046822	0.60	cps
Molybdenum	94-1	43842	43575	44618	44012	1.23	cps
Molybdenum	95-1	2557	2750	2697	2668	3.74	cps
Molybdenum	96-1	9887	10230	10457	10191	2.82	cps
Molybdenum	97-1	1663	1590	1693	1649	3.22	cps
Molybdenum	98-1	4287	4087	4071	4148	2.91	cps
Neodymium	150-1	41457	40120	41110	40896	1.70	cps
Neodymium	150-2	23877	24144	23954	23992	0.57	cps
Nickel	60-2	66299	65988	64816	65701	1.19	cps
Phosphorus	31-2	12248	12202	12242	12231	0.21	cps
Potassium	39-2	687923	682950	687332	686068	0.40	cps
Rhodium	103-1	5175108	5163020	5093735	5143954	0.85	cps
Rhodium	103-2	3064322	3091955	3133607	3096628	1.13	cps
Scandium	45-1	3340755	3299877	3287614	3309415	0.84	cps
Scandium	45-2	317744	319776	316615	318045	0.50	cps
Selenium	82-1	482	473	494	483	2.14	cps
Selenium	77-2	100	103	120	108	9.94	cps
Selenium	78-2	520	483	433	479	9.09	cps
Silicon	28-1	2933733	2996140	2961024	2963632	1.06	cps
Silver	107-1	16980	17007	17577	17188	1.96	cps
Silver	109-1	15749	15989	16476	16071	2.31	cps
Sodium	23-2	212963	212320	211635	212306	0.31	cps
Strontium	86-1	187548	190580	190577	189568	0.92	cps
Strontium	88-1	1674462	1751248	1768760	1731490	2.90	cps
Sulfur	34-1	126794	126592	127530	126972	0.39	cps
Terbium	159-1	6217421	6186664	6059113	6154399	1.36	cps
Terbium	159-2	4079698	4096616	3979992	4052102	1.56	cps
Thallium	203-1	587	733	650	657	11.20	cps
Thallium	205-1	1590	1687	1753	1677	4.90	cps
Tin	118-1	26157	27443	26999	26866	2.43	cps
Titanium	47-1	389237	395136	399966	394780	1.36	cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13LX5	Instrumnet Name :	P7
Client Sample ID :	MYDBE6L	Dilution Factor :	5
Date & Time Acquired :	2024-10-29 23:34:59	DataFile Name :	100SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7312	7562	7252	7375	2.23	cps
Vanadium	51-2	89121	88893	89715	89243	0.47	cps
Yttrium	89-1	9622582	9609703	9794323	9675536	1.07	cps
Yttrium	89-2	2556822	2495624	2499798	2517415	1.36	cps
Zinc	66-2	265968	265377	265967	265771	0.13	cps
Zirconium	90-1	117893	117849	117741	117827	0.07	cps
Zirconium	91-1	26007	26751	26097	26285	1.55	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-15	Instrumnet Name :	P7
Client Sample ID :	MYDBE6S	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:38:08	DataFile Name :	101SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11356132	11500115	11704276	11520174	1.52	cps
Antimony	121-1	468020	476437	476553	473670	1.03	cps
Arsenic	75-2	141026	142651	140666	141448	0.75	cps
Barium	135-1	4274434	4276553	4239703	4263563	0.49	cps
Barium	137-1	7309308	7316383	7431245	7352312	0.93	cps
Beryllium	9-1	23878	24570	25221	24556	2.73	cps
Bismuth	209-1	3892656	3865496	3923270	3893807	0.74	cps
Bismuth	209-2	3146566	3121009	3112934	3126836	0.56	cps
Bromine	81-1	8553	8883	8866	8767	2.12	cps
Bromine	81-2	523	507	533	521	2.59	cps
Cadmium	108-1	5578	5701	5731	5670	1.43	cps
Cadmium	106-1	9430	9677	9210	9439	2.48	cps
Cadmium	111-1	78842	79508	79010	79120	0.44	cps
Calcium	43-1	379757	387824	389377	385653	1.34	cps
Calcium	44-1	6018922	6231902	6075007	6108610	1.81	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1057990	1062250	1073742	1064661	0.77	cps
Cobalt	59-2	1937731	1957479	1947178	1947463	0.51	cps
Copper	63-2	11983443	11823055	11837987	11881495	0.75	cps
Dysprosium	156-1	65378	66784	66614	66259	1.16	cps
Dysprosium	156-2	62110	60914	61959	61661	1.06	cps
Erbium	164-1	37971	39362	38750	38695	1.80	cps
Erbium	164-2	25861	25981	26939	26260	2.25	cps
Gadolinium	160-1	54151	55352	55590	55031	1.40	cps
Gadolinium	160-2	38901	39689	39442	39344	1.03	cps
Holmium	165-1	6053894	6118194	5981759	6051282	1.13	cps
Holmium	165-2	4150568	4128150	4085315	4121344	0.80	cps
Indium	115-1	5264281	5289765	5162330	5238792	1.29	cps
Indium	115-2	1851806	1818727	1844559	1838364	0.95	cps
Iron	56-2	199450004	198766257	198078790	198765017	0.34	cps
Iron	57-2	4876933	4970915	4955933	4934594	1.02	cps
Iron	54-2	10993233	10904450	11045779	10981154	0.65	cps
Krypton	83-1	327	237	327	297	17.51	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-15	Instrumnet Name :	P7
Client Sample ID :	MYDBE6S	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:38:08	DataFile Name :	101SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3119689	3154782	3218702	3164391	1.59	cps
Lead	207-1	2763843	2772893	2839676	2792137	1.48	cps
Lead	208-1	12455608	12649922	12766359	12623963	1.24	cps
Lithium	6-1	362371	358357	359305	360011	0.58	cps
Magnesium	24-2	5367433	5389204	5354628	5370422	0.33	cps
Manganese	55-2	5073809	5082090	5120906	5092268	0.49	cps
Molybdenum	94-1	204707	210721	208856	208095	1.48	cps
Molybdenum	95-1	10267	10734	10210	10404	2.76	cps
Molybdenum	96-1	45965	46370	46982	46439	1.10	cps
Molybdenum	97-1	6592	6595	6558	6582	0.31	cps
Molybdenum	98-1	16346	16633	16743	16574	1.24	cps
Neodymium	150-1	159427	162272	163982	161893	1.42	cps
Neodymium	150-2	92618	93554	94514	93562	1.01	cps
Nickel	60-2	669212	669481	667637	668777	0.15	cps
Phosphorus	31-2	45457	45434	45775	45555	0.42	cps
Potassium	39-2	2479885	2475404	2484946	2480078	0.19	cps
Rhodium	103-1	5138545	4998027	5041591	5059387	1.42	cps
Rhodium	103-2	3100166	3109728	3133642	3114512	0.55	cps
Scandium	45-1	3422877	3479970	3380681	3427843	1.45	cps
Scandium	45-2	334407	332083	330349	332279	0.61	cps
Selenium	82-1	5261	5443	5426	5377	1.88	cps
Selenium	77-2	847	717	753	772	8.68	cps
Selenium	78-2	2290	2497	2100	2296	8.64	cps
Silicon	28-1	16422611	16564930	16455167	16480903	0.45	cps
Silver	107-1	298762	302754	300391	300636	0.67	cps
Silver	109-1	276974	285351	284338	282221	1.62	cps
Sodium	23-2	413303	416068	420561	416644	0.88	cps
Strontium	86-1	655921	667230	669468	664206	1.09	cps
Strontium	88-1	6001038	6311946	6039151	6117378	2.77	cps
Sulfur	34-1	158007	157105	156525	157212	0.48	cps
Terbium	159-1	6230847	6230133	6218567	6226516	0.11	cps
Terbium	159-2	4089499	4082458	4080467	4084141	0.12	cps
Thallium	203-1	147435	150178	151758	149790	1.46	cps
Thallium	205-1	350438	355052	357368	354286	1.00	cps
Tin	118-1	116543	118069	118927	117846	1.02	cps
Titanium	47-1	1779651	1817279	1791685	1796205	1.07	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-15	Instrumnet Name :	P7
Client Sample ID :	MYDBE6S	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:38:08	DataFile Name :	101SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	28741	29356	29255	29117	1.13	cps
Vanadium	51-2	1342879	1373174	1340592	1352215	1.34	cps
Yttrium	89-1	10209747	10311846	10200031	10240541	0.60	cps
Yttrium	89-2	2679038	2642945	2638088	2653357	0.84	cps
Zinc	66-2	1283955	1281156	1288787	1284633	0.30	cps
Zirconium	90-1	545351	563447	557511	555436	1.66	cps
Zirconium	91-1	122591	123593	124537	123574	0.79	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13MS	Instrumnet Name :	P7
Client Sample ID :	MYDBE6SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:41:08	DataFile Name :	102SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11870919	11807364	11639617	11772634	1.02	cps
Antimony	121-1	1945615	1961779	1968481	1958625	0.60	cps
Arsenic	75-2	175147	174061	173670	174293	0.44	cps
Barium	135-1	10595278	11003041	10979273	10859197	2.11	cps
Barium	137-1	18450371	19030556	19017068	18832665	1.76	cps
Beryllium	9-1	90431	91465	90264	90720	0.72	cps
Bismuth	209-1	3922375	3833508	3909430	3888438	1.23	cps
Bismuth	209-2	3078261	3052975	3106378	3079205	0.87	cps
Bromine	81-1	8856	8776	8736	8789	0.70	cps
Bromine	81-2	423	500	530	484	11.36	cps
Cadmium	108-1	16757	16516	16967	16746	1.35	cps
Cadmium	106-1	24117	24955	24537	24536	1.71	cps
Cadmium	111-1	242363	245420	249010	245598	1.35	cps
Calcium	43-1	373729	379512	379288	377509	0.87	cps
Calcium	44-1	5899322	5976506	6092689	5989506	1.63	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2358037	2329809	2392608	2360151	1.33	cps
Cobalt	59-2	6895656	6799603	6726028	6807096	1.25	cps
Copper	63-2	13402941	13256580	13301168	13320230	0.56	cps
Dysprosium	156-1	65197	65308	65844	65450	0.53	cps
Dysprosium	156-2	61096	60406	59532	60345	1.30	cps
Erbium	164-1	37958	38500	38767	38408	1.07	cps
Erbium	164-2	26054	25507	25881	25814	1.08	cps
Gadolinium	160-1	53084	55158	55379	54540	2.32	cps
Gadolinium	160-2	38516	38449	38182	38383	0.46	cps
Holmium	165-1	6056239	6013671	6117946	6062618	0.86	cps
Holmium	165-2	4145726	4041928	4126453	4104702	1.35	cps
Indium	115-1	5328102	5334740	5208231	5290358	1.35	cps
Indium	115-2	1817882	1818512	1794490	1810295	0.76	cps
Iron	56-2	200388184	198059704	197527837	198658575	0.77	cps
Iron	57-2	4993686	4949171	4987307	4976721	0.48	cps
Iron	54-2	11077757	11030885	11191687	11100110	0.75	cps
Krypton	83-1	253	307	260	273	10.63	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13MS	Instrumnet Name :	P7
Client Sample ID :	MYDBE6SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:41:08	DataFile Name :	102SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3230358	3318071	3352497	3300309	1.91	cps
Lead	207-1	2946228	3008588	2989888	2981568	1.07	cps
Lead	208-1	13151778	13234568	13479779	13288708	1.28	cps
Lithium	6-1	373798	376079	372952	374276	0.43	cps
Magnesium	24-2	5278385	5202571	5162153	5214370	1.13	cps
Manganese	55-2	7245960	7219943	7289930	7251944	0.49	cps
Molybdenum	94-1	199196	206257	209168	204874	2.50	cps
Molybdenum	95-1	9953	10507	10214	10225	2.71	cps
Molybdenum	96-1	44872	46360	45915	45716	1.67	cps
Molybdenum	97-1	6178	6228	6168	6191	0.52	cps
Molybdenum	98-1	16549	16343	16152	16348	1.21	cps
Neodymium	150-1	158992	160791	161432	160405	0.79	cps
Neodymium	150-2	91924	92880	91918	92240	0.60	cps
Nickel	60-2	2004687	1964459	1977948	1982365	1.03	cps
Phosphorus	31-2	44822	44732	44364	44639	0.54	cps
Potassium	39-2	2446925	2403505	2381546	2410659	1.38	cps
Rhodium	103-1	5180933	5142211	5014115	5112420	1.71	cps
Rhodium	103-2	3056620	3105114	3033864	3065199	1.19	cps
Scandium	45-1	3424223	3430543	3432155	3428974	0.12	cps
Scandium	45-2	327293	326733	324271	326099	0.49	cps
Selenium	82-1	56569	56673	57624	56955	1.02	cps
Selenium	77-2	6011	5968	6025	6001	0.49	cps
Selenium	78-2	19396	19757	19456	19536	0.99	cps
Silicon	28-1	16095350	16271506	16419984	16262280	1.00	cps
Silver	107-1	750712	838142	778987	789280	5.65	cps
Silver	109-1	792137	749708	719966	753937	4.81	cps
Sodium	23-2	424282	422468	418928	421893	0.65	cps
Strontium	86-1	651375	656945	663796	657372	0.95	cps
Strontium	88-1	5996962	6075318	6103064	6058448	0.91	cps
Sulfur	34-1	160425	158051	158020	158832	0.87	cps
Terbium	159-1	6312339	6357517	6241212	6303689	0.93	cps
Terbium	159-2	4199176	4117308	4107901	4141461	1.21	cps
Thallium	203-1	632471	639392	647225	639696	1.15	cps
Thallium	205-1	1491011	1521831	1524594	1512479	1.23	cps
Tin	118-1	112257	112280	114877	113138	1.33	cps
Titanium	47-1	1757887	1799818	1795185	1784297	1.29	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13MS	Instrumnet Name :	P7
Client Sample ID :	MYDBE6SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:41:08	DataFile Name :	102SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	28895	29723	28958	29192	1.58	cps
Vanadium	51-2	4220992	4172684	4208274	4200650	0.60	cps
Yttrium	89-1	10312107	10171584	10210448	10231379	0.71	cps
Yttrium	89-2	2643223	2654389	2588872	2628828	1.33	cps
Zinc	66-2	1873856	1836920	1903994	1871590	1.79	cps
Zirconium	90-1	537897	554543	549694	547378	1.56	cps
Zirconium	91-1	120027	121835	121656	121173	0.82	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-16	Instrumnet Name :	P7
Client Sample ID :	MYDBE7	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:44:02	DataFile Name :	103SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16145827	16108786	16044986	16099867	0.32	cps
Antimony	121-1	67574	68248	68238	68020	0.57	cps
Arsenic	75-2	129648	126799	127838	128095	1.13	cps
Barium	135-1	1685655	1682367	1667280	1678434	0.58	cps
Barium	137-1	2904572	2888874	2910947	2901465	0.39	cps
Beryllium	9-1	4744	4587	4651	4661	1.69	cps
Bismuth	209-1	3539226	4077758	4081712	3899565	8.00	cps
Bismuth	209-2	3145442	3152976	3168107	3155508	0.37	cps
Bromine	81-1	9456	9757	9396	9536	2.02	cps
Bromine	81-2	667	567	683	639	9.88	cps
Cadmium	108-1	2670	2677	2647	2665	0.59	cps
Cadmium	106-1	5461	5651	5464	5526	1.97	cps
Cadmium	111-1	31958	33255	32735	32650	2.00	cps
Calcium	43-1	332332	335953	334993	334426	0.56	cps
Calcium	44-1	5293123	5260934	5275414	5276490	0.31	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	767685	766735	761924	765448	0.40	cps
Cobalt	59-2	231357	230365	231427	231050	0.26	cps
Copper	63-2	14103822	13960056	13811639	13958506	1.05	cps
Dysprosium	156-1	63613	62428	62331	62791	1.14	cps
Dysprosium	156-2	56942	57152	57410	57168	0.41	cps
Erbium	164-1	39736	39656	40214	39869	0.76	cps
Erbium	164-2	26452	26278	26108	26279	0.65	cps
Gadolinium	160-1	53937	53478	54345	53920	0.80	cps
Gadolinium	160-2	37687	38362	38232	38094	0.94	cps
Holmium	165-1	5207973	6079171	6229007	5838717	9.44	cps
Holmium	165-2	4012380	4040479	4079654	4044171	0.84	cps
Indium	115-1	4581633	5307351	5260101	5049695	8.04	cps
Indium	115-2	1803793	1792418	1785535	1793915	0.51	cps
Iron	56-2	295518742	292904649	293132696	293852029	0.49	cps
Iron	57-2	7328103	7353189	7288173	7323155	0.45	cps
Iron	54-2	16458199	16547226	16067985	16357803	1.56	cps
Krypton	83-1	293	257	333	294	13.02	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-16	Instrumnet Name :	P7
Client Sample ID :	MYDBE7	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:44:02	DataFile Name :	103SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3329143	3312619	3345332	3329031	0.49	cps
Lead	207-1	2867066	2915191	2898065	2893441	0.84	cps
Lead	208-1	13076606	13193623	13228490	13166240	0.60	cps
Lithium	6-1	335210	386141	362606	361319	7.05	cps
Magnesium	24-2	5764277	5854640	5716897	5778605	1.21	cps
Manganese	55-2	4570745	4607100	4539017	4572287	0.75	cps
Molybdenum	94-1	224349	225226	227363	225646	0.69	cps
Molybdenum	95-1	15125	14938	15081	15048	0.65	cps
Molybdenum	96-1	54123	54264	55304	54564	1.18	cps
Molybdenum	97-1	9256	9513	9266	9345	1.56	cps
Molybdenum	98-1	23569	24203	23980	23917	1.35	cps
Neodymium	150-1	149648	148257	150507	149471	0.76	cps
Neodymium	150-2	85299	84750	85359	85136	0.39	cps
Nickel	60-2	265505	264469	264593	264856	0.21	cps
Phosphorus	31-2	33386	32742	33122	33083	0.98	cps
Potassium	39-2	2623223	2622912	2561717	2602617	1.36	cps
Rhodium	103-1	4347002	5121280	5157440	4875241	9.39	cps
Rhodium	103-2	3049093	3048707	3029442	3042414	0.37	cps
Scandium	45-1	2952343	3533896	3433136	3306458	9.40	cps
Scandium	45-2	325488	323408	323394	324097	0.37	cps
Selenium	82-1	1171	1247	1140	1186	4.66	cps
Selenium	77-2	350	393	380	374	5.93	cps
Selenium	78-2	833	903	787	841	6.98	cps
Silicon	28-1	17522781	17054241	17382048	17319690	1.39	cps
Silver	107-1	68380	67017	68441	67946	1.18	cps
Silver	109-1	63900	62802	63425	63376	0.87	cps
Sodium	23-2	252337	253373	254875	253529	0.50	cps
Strontium	86-1	445956	451499	452094	449850	0.75	cps
Strontium	88-1	4121802	4184574	4110730	4139035	0.96	cps
Sulfur	34-1	155828	155519	153232	154860	0.92	cps
Terbium	159-1	5424919	6464001	6280493	6056471	9.16	cps
Terbium	159-2	4043402	3934082	4011481	3996321	1.41	cps
Thallium	203-1	2584	2687	2684	2651	2.22	cps
Thallium	205-1	6315	6165	5978	6153	2.74	cps
Tin	118-1	238902	240291	238943	239379	0.33	cps
Titanium	47-1	1857613	1898767	1866747	1874376	1.15	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-16	Instrumnet Name :	P7
Client Sample ID :	MYDBE7	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:44:02	DataFile Name :	103SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	23791	24112	23701	23868	0.90	cps
Vanadium	51-2	373002	372997	371105	372368	0.29	cps
Yttrium	89-1	8848889	10401670	10277074	9842544	8.77	cps
Yttrium	89-2	2640011	2563033	2591154	2598066	1.50	cps
Zinc	66-2	1743192	1729936	1700331	1724486	1.27	cps
Zirconium	90-1	605740	597779	600310	601276	0.68	cps
Zirconium	91-1	131725	132718	132994	132479	0.50	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-17	Instrumnet Name :	P7
Client Sample ID :	MYDBE8	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:47:04	DataFile Name :	104SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10103807	10166749	10051650	10107402	0.57	cps
Antimony	121-1	43733	44876	44221	44277	1.30	cps
Arsenic	75-2	185487	185737	183732	184985	0.59	cps
Barium	135-1	1432432	1447919	1446346	1442232	0.59	cps
Barium	137-1	2689313	2723565	2751866	2721581	1.15	cps
Beryllium	9-1	2037	2083	2094	2071	1.46	cps
Bismuth	209-1	3797940	3844413	3739001	3793785	1.39	cps
Bismuth	209-2	2989914	3008770	2979175	2992620	0.50	cps
Bromine	81-1	8096	8282	8493	8290	2.40	cps
Bromine	81-2	437	503	470	470	7.09	cps
Cadmium	108-1	2127	1950	2160	2079	5.43	cps
Cadmium	106-1	4834	4954	4727	4839	2.34	cps
Cadmium	111-1	26923	27121	26578	26874	1.02	cps
Calcium	43-1	315322	318757	314583	316221	0.70	cps
Calcium	44-1	5030068	4953113	4970890	4984691	0.81	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	621046	620489	625067	622201	0.40	cps
Cobalt	59-2	349032	346712	348595	348113	0.35	cps
Copper	63-2	13276373	13285835	13146756	13236321	0.59	cps
Dysprosium	156-1	85984	86585	86903	86491	0.54	cps
Dysprosium	156-2	79000	79169	79252	79140	0.16	cps
Erbium	164-1	51391	51190	51548	51376	0.35	cps
Erbium	164-2	33841	33503	33905	33750	0.64	cps
Gadolinium	160-1	71277	73190	71548	72005	1.44	cps
Gadolinium	160-2	50069	49952	51003	50341	1.14	cps
Holmium	165-1	6010507	6052941	5891477	5984975	1.40	cps
Holmium	165-2	4041242	4039278	4068597	4049706	0.40	cps
Indium	115-1	5188419	5214822	5197172	5200138	0.26	cps
Indium	115-2	1792320	1802092	1789699	1794704	0.36	cps
Iron	56-2	214377663	220007970	217603883	217329839	1.30	cps
Iron	57-2	5415432	5433771	5389165	5412789	0.41	cps
Iron	54-2	12071409	12181611	11917301	12056774	1.10	cps
Krypton	83-1	337	293	287	306	8.89	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-17	Instrumnet Name :	P7
Client Sample ID :	MYDBE8	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:47:04	DataFile Name :	104SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2601388	2596022	2600033	2599148	0.11	cps
Lead	207-1	2285860	2294231	2329664	2303251	1.01	cps
Lead	208-1	10297477	10347547	10564316	10403113	1.36	cps
Lithium	6-1	361130	361439	358690	360420	0.42	cps
Magnesium	24-2	5175817	5074055	5139992	5129954	1.01	cps
Manganese	55-2	5631461	5654568	5646335	5644121	0.21	cps
Molybdenum	94-1	239994	243105	244344	242481	0.92	cps
Molybdenum	95-1	7852	8089	7946	7962	1.50	cps
Molybdenum	96-1	50015	50701	50594	50437	0.73	cps
Molybdenum	97-1	4888	5078	4984	4983	1.91	cps
Molybdenum	98-1	12589	12545	11982	12372	2.74	cps
Neodymium	150-1	206551	210275	206829	207885	1.00	cps
Neodymium	150-2	118691	120681	119892	119755	0.84	cps
Nickel	60-2	216015	215002	214476	215165	0.36	cps
Phosphorus	31-2	42803	43351	42111	42755	1.45	cps
Potassium	39-2	2141690	2123415	2161153	2142086	0.88	cps
Rhodium	103-1	4954340	5061399	5148791	5054843	1.93	cps
Rhodium	103-2	3069954	3033460	3004529	3035981	1.08	cps
Scandium	45-1	3494699	3419794	3429324	3447939	1.18	cps
Scandium	45-2	332931	330222	329729	330961	0.52	cps
Selenium	82-1	868	923	1047	946	9.67	cps
Selenium	77-2	393	450	390	411	8.20	cps
Selenium	78-2	757	750	743	750	0.89	cps
Silicon	28-1	17254127	17393713	17039149	17228997	1.04	cps
Silver	107-1	58039	59043	59046	58709	0.99	cps
Silver	109-1	54241	54626	55931	54933	1.61	cps
Sodium	23-2	257281	256220	257884	257128	0.33	cps
Strontium	86-1	558509	564499	567479	563496	0.81	cps
Strontium	88-1	5077340	5180891	5253309	5170513	1.71	cps
Sulfur	34-1	135342	133063	132223	133543	1.21	cps
Terbium	159-1	6140605	6227279	6139366	6169083	0.82	cps
Terbium	159-2	4062761	3967411	3945724	3991965	1.56	cps
Thallium	203-1	3044	2927	3220	3064	4.82	cps
Thallium	205-1	7462	7522	7536	7507	0.52	cps
Tin	118-1	68854	69631	68927	69137	0.62	cps
Titanium	47-1	2038208	2062889	2059914	2053670	0.66	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-17	Instrumnet Name :	P7
Client Sample ID :	MYDBE8	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:47:04	DataFile Name :	104SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	35718	35611	36069	35799	0.67	cps
Vanadium	51-2	444646	444429	439915	442997	0.60	cps
Yttrium	89-1	10234184	10520202	10286154	10346847	1.47	cps
Yttrium	89-2	2645374	2679185	2642766	2655775	0.76	cps
Zinc	66-2	772452	770258	766120	769610	0.42	cps
Zirconium	90-1	655610	662293	665003	660969	0.73	cps
Zirconium	91-1	145958	147666	146444	146689	0.60	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-18	Instrumnet Name :	P7
Client Sample ID :	MYDBE9	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:50:04	DataFile Name :	105SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13320133	13399785	13072176	13264031	1.29	cps
Antimony	121-1	21039	21386	21666	21364	1.47	cps
Arsenic	75-2	59539	59709	59565	59605	0.15	cps
Barium	135-1	735354	755965	748406	746575	1.40	cps
Barium	137-1	1281842	1301221	1294760	1292608	0.76	cps
Beryllium	9-1	2063	1987	1977	2009	2.36	cps
Bismuth	209-1	3632547	3657355	3638583	3642828	0.36	cps
Bismuth	209-2	2833575	2856947	2895565	2862029	1.09	cps
Bromine	81-1	8866	8706	8729	8767	0.99	cps
Bromine	81-2	493	523	563	527	6.67	cps
Cadmium	108-1	1123	1030	1060	1071	4.45	cps
Cadmium	106-1	2867	3030	2987	2961	2.86	cps
Cadmium	111-1	13663	14066	13617	13782	1.79	cps
Calcium	43-1	349735	354412	353812	352653	0.72	cps
Calcium	44-1	5495932	5621948	5634443	5584108	1.37	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	830863	836291	835086	834080	0.34	cps
Cobalt	59-2	319711	314671	315810	316731	0.83	cps
Copper	63-2	6010130	5902502	5914176	5942269	0.99	cps
Dysprosium	156-1	38877	39181	39094	39051	0.40	cps
Dysprosium	156-2	34519	34208	34937	34555	1.06	cps
Erbium	164-1	30664	31572	30697	30978	1.66	cps
Erbium	164-2	20655	20819	20332	20602	1.20	cps
Gadolinium	160-1	35465	36344	36126	35978	1.27	cps
Gadolinium	160-2	25730	25366	25340	25479	0.86	cps
Holmium	165-1	6016454	5947313	5808477	5924081	1.79	cps
Holmium	165-2	3930314	3971013	4054395	3985241	1.59	cps
Indium	115-1	5202961	5184597	5019578	5135712	1.97	cps
Indium	115-2	1784763	1785079	1779100	1782981	0.19	cps
Iron	56-2	318899542	319785649	318615482	319100224	0.19	cps
Iron	57-2	7823361	7972699	7897639	7897899	0.95	cps
Iron	54-2	17855178	17675878	17549093	17693383	0.87	cps
Krypton	83-1	247	290	247	261	9.58	cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-18	Instrumnet Name :	P7
Client Sample ID :	MYDBE9	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:50:04	DataFile Name :	105SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1119279	1118940	1113059	1117093	0.31	cps
Lead	207-1	958762	972065	963500	964776	0.70	cps
Lead	208-1	4705794	4816769	4767501	4763355	1.17	cps
Lithium	6-1	339176	332921	330461	334186	1.34	cps
Magnesium	24-2	10531889	10489714	10517341	10512981	0.20	cps
Manganese	55-2	4807079	4901024	4761778	4823293	1.47	cps
Molybdenum	94-1	81294	83191	82649	82378	1.19	cps
Molybdenum	95-1	8766	8886	9233	8962	2.71	cps
Molybdenum	96-1	24638	25669	24865	25057	2.16	cps
Molybdenum	97-1	5358	5651	5484	5498	2.68	cps
Molybdenum	98-1	13917	13630	13760	13769	1.04	cps
Neodymium	150-1	81052	83230	83237	82506	1.53	cps
Neodymium	150-2	48306	46359	46941	47202	2.12	cps
Nickel	60-2	224707	225134	224653	224831	0.12	cps
Phosphorus	31-2	24687	24677	25288	24884	1.41	cps
Potassium	39-2	2586565	2573702	2598078	2586115	0.47	cps
Rhodium	103-1	4995290	5016414	4996044	5002582	0.24	cps
Rhodium	103-2	3043900	2983913	3085078	3037630	1.67	cps
Scandium	45-1	3410909	3456931	3454241	3440694	0.75	cps
Scandium	45-2	333551	332275	332128	332651	0.24	cps
Selenium	82-1	711	651	732	698	6.07	cps
Selenium	77-2	197	140	177	171	16.80	cps
Selenium	78-2	577	523	547	549	4.87	cps
Silicon	28-1	22469567	22371988	22258374	22366643	0.47	cps
Silver	107-1	23947	24511	24484	24314	1.31	cps
Silver	109-1	22841	22955	22825	22874	0.31	cps
Sodium	23-2	242502	243471	244279	243417	0.37	cps
Strontium	86-1	270455	277362	276334	274717	1.36	cps
Strontium	88-1	2572178	2549263	2568085	2563175	0.48	cps
Sulfur	34-1	140031	140149	138117	139433	0.82	cps
Terbium	159-1	6186327	6170629	6108609	6155188	0.67	cps
Terbium	159-2	3962097	4003519	3971899	3979172	0.54	cps
Thallium	203-1	1283	1310	1260	1285	1.95	cps
Thallium	205-1	3220	2960	3224	3135	4.82	cps
Tin	118-1	136853	139953	138977	138594	1.14	cps
Titanium	47-1	1354576	1371468	1377805	1367950	0.88	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-18	Instrumnet Name :	P7
Client Sample ID :	MYDBE9	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:50:04	DataFile Name :	105SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13674	13917	14661	14084	3.65	cps
Vanadium	51-2	709484	706811	704664	706986	0.34	cps
Yttrium	89-1	9950154	10120542	9832209	9967635	1.45	cps
Yttrium	89-2	2543145	2535173	2601017	2559778	1.40	cps
Zinc	66-2	760205	753952	750375	754844	0.66	cps
Zirconium	90-1	210041	212840	211612	211498	0.66	cps
Zirconium	91-1	46678	47577	47286	47180	0.97	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-19	Instrumnet Name :	P7
Client Sample ID :	MYDBF0	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:53:10	DataFile Name :	106SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14257106	14428080	14234187	14306458	0.74	cps
Antimony	121-1	87249	88343	86994	87529	0.82	cps
Arsenic	75-2	200712	200878	200327	200639	0.14	cps
Barium	135-1	1673446	1662391	1688837	1674891	0.79	cps
Barium	137-1	2871499	2872200	2866525	2870075	0.11	cps
Beryllium	9-1	3137	3244	3087	3156	2.54	cps
Bismuth	209-1	3811156	3981981	4039942	3944360	3.02	cps
Bismuth	209-2	3209314	3191187	3162175	3187559	0.75	cps
Bromine	81-1	9506	9970	10367	9948	4.33	cps
Bromine	81-2	730	910	733	791	13.02	cps
Cadmium	108-1	2340	2400	2440	2394	2.10	cps
Cadmium	106-1	4878	5161	4924	4988	3.05	cps
Cadmium	111-1	31026	30735	30694	30818	0.59	cps
Calcium	43-1	363649	367678	367422	366250	0.62	cps
Calcium	44-1	5767605	5865120	5782464	5805063	0.91	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	820486	825344	826109	823980	0.37	cps
Cobalt	59-2	274450	274988	276211	275216	0.33	cps
Copper	63-2	12197252	12297720	12355201	12283391	0.65	cps
Dysprosium	156-1	68442	69722	69786	69317	1.09	cps
Dysprosium	156-2	63693	65331	64822	64616	1.30	cps
Erbium	164-1	40181	40699	40830	40570	0.85	cps
Erbium	164-2	26833	26595	27491	26973	1.72	cps
Gadolinium	160-1	57012	57842	57939	57598	0.88	cps
Gadolinium	160-2	40870	41157	41251	41092	0.48	cps
Holmium	165-1	5765566	6048271	5976975	5930271	2.48	cps
Holmium	165-2	4062344	4129103	4060953	4084133	0.95	cps
Indium	115-1	4858326	5212826	5194876	5088676	3.92	cps
Indium	115-2	1818659	1775316	1828190	1807388	1.56	cps
Iron	56-2	207126884	205581050	203923117	205543684	0.78	cps
Iron	57-2	5126018	5086778	5057797	5090198	0.67	cps
Iron	54-2	11380039	11456864	11466692	11434532	0.41	cps
Krypton	83-1	263	303	253	273	9.68	cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-19	Instrumnet Name :	P7
Client Sample ID :	MYDBF0	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:53:10	DataFile Name :	106SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4213708	4244102	4239464	4232425	0.39	cps
Lead	207-1	3787054	3724530	3819186	3776923	1.27	cps
Lead	208-1	16932982	16842196	16929561	16901579	0.30	cps
Lithium	6-1	338705	346801	348798	344768	1.55	cps
Magnesium	24-2	6050433	6033907	6116149	6066830	0.72	cps
Manganese	55-2	4548845	4522797	4536757	4536133	0.29	cps
Molybdenum	94-1	176572	177304	178430	177435	0.53	cps
Molybdenum	95-1	15321	15428	15011	15254	1.42	cps
Molybdenum	96-1	45464	45501	46036	45667	0.70	cps
Molybdenum	97-1	9383	9527	9783	9564	2.12	cps
Molybdenum	98-1	24240	24404	24461	24368	0.47	cps
Neodymium	150-1	170963	171500	174270	172244	1.03	cps
Neodymium	150-2	98340	98998	99891	99076	0.79	cps
Nickel	60-2	301936	299940	301882	301253	0.38	cps
Phosphorus	31-2	54453	55554	56286	55431	1.66	cps
Potassium	39-2	2093533	2113090	2103399	2103341	0.46	cps
Rhodium	103-1	4697586	5012659	5077804	4929350	4.13	cps
Rhodium	103-2	3052497	3081709	3058971	3064392	0.50	cps
Scandium	45-1	3199214	3421154	3328633	3316334	3.36	cps
Scandium	45-2	328089	328276	325201	327189	0.53	cps
Selenium	82-1	1215	1096	1163	1158	5.16	cps
Selenium	77-2	410	333	347	363	11.27	cps
Selenium	78-2	877	797	793	822	5.74	cps
Silicon	28-1	17626077	17634263	18017184	17759175	1.26	cps
Silver	107-1	78477	79248	78993	78906	0.50	cps
Silver	109-1	74051	73977	73592	73874	0.33	cps
Sodium	23-2	336774	340753	337896	338474	0.61	cps
Strontium	86-1	751117	757070	756558	754915	0.44	cps
Strontium	88-1	6801742	6936312	6967496	6901850	1.28	cps
Sulfur	34-1	150778	148099	147554	148810	1.16	cps
Terbium	159-1	5980174	6261266	6311363	6184267	2.89	cps
Terbium	159-2	4098775	4027272	4025732	4050593	1.03	cps
Thallium	203-1	2934	2900	3090	2975	3.41	cps
Thallium	205-1	7155	7119	6858	7044	2.30	cps
Tin	118-1	174180	174486	175078	174581	0.26	cps
Titanium	47-1	2257416	2261057	2259031	2259168	0.08	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-19	Instrumnet Name :	P7
Client Sample ID :	MYDBF0	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:53:10	DataFile Name :	106SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	31654	32122	32924	32233	1.99	cps
Vanadium	51-2	414243	412846	415955	414348	0.38	cps
Yttrium	89-1	9464631	10193722	10197031	9951795	4.24	cps
Yttrium	89-2	2625763	2622927	2618346	2622345	0.14	cps
Zinc	66-2	1262306	1258793	1270484	1263861	0.47	cps
Zirconium	90-1	461052	467651	467210	465305	0.79	cps
Zirconium	91-1	103298	102750	104275	103441	0.75	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-20	Instrumnet Name :	P7
Client Sample ID :	MYDBF1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:56:10	DataFile Name :	107SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15555215	15479417	15226544	15420392	1.12	cps
Antimony	121-1	81821	82113	84262	82732	1.61	cps
Arsenic	75-2	148009	148346	147640	147998	0.24	cps
Barium	135-1	1182859	1194092	1199188	1192047	0.70	cps
Barium	137-1	2262903	2205013	2251268	2239728	1.37	cps
Beryllium	9-1	3921	3977	4044	3981	1.55	cps
Bismuth	209-1	4158487	4214243	4150058	4174263	0.84	cps
Bismuth	209-2	3353791	3335206	3296392	3328463	0.88	cps
Bromine	81-1	11234	11324	11518	11359	1.28	cps
Bromine	81-2	1120	1067	1113	1100	2.64	cps
Cadmium	108-1	3094	3154	3327	3191	3.80	cps
Cadmium	106-1	6108	6271	6188	6189	1.32	cps
Cadmium	111-1	43810	43805	43673	43763	0.18	cps
Calcium	43-1	312678	316397	316826	315300	0.72	cps
Calcium	44-1	4887248	5022031	4966865	4958715	1.37	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	728467	731641	720047	726718	0.82	cps
Cobalt	59-2	298855	296692	296837	297462	0.41	cps
Copper	63-2	19473463	19460831	19334768	19423020	0.39	cps
Dysprosium	156-1	49450	49306	48721	49159	0.79	cps
Dysprosium	156-2	43277	43534	43577	43463	0.37	cps
Erbium	164-1	34001	33951	34813	34255	1.41	cps
Erbium	164-2	22962	22839	22976	22926	0.33	cps
Gadolinium	160-1	42745	43758	44654	43719	2.18	cps
Gadolinium	160-2	31970	30620	30857	31149	2.31	cps
Holmium	165-1	5901295	6037443	6012394	5983710	1.21	cps
Holmium	165-2	4092559	4051802	4105389	4083250	0.69	cps
Indium	115-1	5022287	5202839	5265178	5163435	2.44	cps
Indium	115-2	1835779	1769990	1816124	1807297	1.87	cps
Iron	56-2	232645657	235524090	231887177	233352308	0.82	cps
Iron	57-2	5828162	5707683	5734441	5756762	1.10	cps
Iron	54-2	13103139	12940680	12717946	12920588	1.50	cps
Krypton	83-1	253	247	263	254	3.30	cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-20	Instrumnet Name :	P7
Client Sample ID :	MYDBF1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:56:10	DataFile Name :	107SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4662216	4660586	4741678	4688160	0.99	cps
Lead	207-1	4183937	4158877	4138792	4160535	0.54	cps
Lead	208-1	18748248	18769938	18838234	18785474	0.25	cps
Lithium	6-1	333522	353061	352678	346420	3.22	cps
Magnesium	24-2	5829082	5725915	5763913	5772970	0.90	cps
Manganese	55-2	4169194	4217591	4119219	4168668	1.18	cps
Molybdenum	94-1	166715	167504	167598	167272	0.29	cps
Molybdenum	95-1	16032	16529	16132	16231	1.62	cps
Molybdenum	96-1	44427	45849	45557	45278	1.66	cps
Molybdenum	97-1	9877	9703	10294	9958	3.05	cps
Molybdenum	98-1	25529	26127	26260	25972	1.50	cps
Neodymium	150-1	108023	110600	110815	109813	1.41	cps
Neodymium	150-2	63569	63834	62829	63411	0.82	cps
Nickel	60-2	234830	232589	231512	232977	0.73	cps
Phosphorus	31-2	34599	33797	33771	34056	1.38	cps
Potassium	39-2	3551020	3520085	3487341	3519482	0.90	cps
Rhodium	103-1	4829419	5071084	5104893	5001799	3.00	cps
Rhodium	103-2	3149871	3034039	3011090	3065000	2.43	cps
Scandium	45-1	3264757	3448271	3394149	3369059	2.80	cps
Scandium	45-2	327469	327993	324964	326809	0.50	cps
Selenium	82-1	1241	1378	1374	1331	5.88	cps
Selenium	77-2	247	333	267	282	16.08	cps
Selenium	78-2	773	743	837	784	6.07	cps
Silicon	28-1	20179888	20887217	20300596	20455901	1.85	cps
Silver	107-1	104050	103224	103301	103525	0.44	cps
Silver	109-1	96555	98364	98156	97692	1.01	cps
Sodium	23-2	315378	314473	312936	314262	0.39	cps
Strontium	86-1	330890	332513	332314	331905	0.27	cps
Strontium	88-1	3004034	3024902	3091381	3040105	1.50	cps
Sulfur	34-1	191548	191380	190066	190998	0.43	cps
Terbium	159-1	5981582	6183961	6241475	6135672	2.22	cps
Terbium	159-2	4062047	4050800	4058442	4057096	0.14	cps
Thallium	203-1	2947	2970	3080	2999	2.37	cps
Thallium	205-1	6888	6812	6858	6853	0.56	cps
Tin	118-1	267975	270244	272003	270074	0.75	cps
Titanium	47-1	1601834	1625158	1644891	1623961	1.33	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-20	Instrumnet Name :	P7
Client Sample ID :	MYDBF1	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:56:10	DataFile Name :	107SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	21734	22325	21531	21864	1.89	cps
Vanadium	51-2	418155	421987	415877	418673	0.74	cps
Yttrium	89-1	9686958	10123640	10232064	10014221	2.88	cps
Yttrium	89-2	2643174	2620873	2589915	2617987	1.02	cps
Zinc	66-2	1988025	1994370	1987018	1989804	0.20	cps
Zirconium	90-1	430733	434181	437746	434220	0.81	cps
Zirconium	91-1	96734	96485	95519	96246	0.67	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-21	Instrumnet Name :	P7
Client Sample ID :	MYDBF2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:59:13	DataFile Name :	108SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13305467	12923169	13141329	13123321	1.46	cps
Antimony	121-1	34000	35447	35019	34822	2.13	cps
Arsenic	75-2	134866	133585	132976	133809	0.72	cps
Barium	135-1	3484812	3537987	3566453	3529751	1.17	cps
Barium	137-1	5951607	5988457	6048172	5996078	0.81	cps
Beryllium	9-1	2774	2577	2594	2648	4.12	cps
Bismuth	209-1	3839564	3851677	3808013	3833085	0.59	cps
Bismuth	209-2	2995825	2954982	3015971	2988926	1.04	cps
Bromine	81-1	9440	9570	9566	9525	0.78	cps
Bromine	81-2	590	713	743	682	11.91	cps
Cadmium	108-1	2190	2200	2247	2212	1.37	cps
Cadmium	106-1	4998	5021	4804	4941	2.41	cps
Cadmium	111-1	26603	26362	26097	26354	0.96	cps
Calcium	43-1	461558	467129	468346	465678	0.78	cps
Calcium	44-1	7248190	7315838	7322592	7295540	0.56	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	700547	695237	691999	695928	0.62	cps
Cobalt	59-2	281164	282324	283050	282179	0.34	cps
Copper	63-2	8964003	8847036	8976148	8929062	0.80	cps
Dysprosium	156-1	84184	85552	87068	85601	1.69	cps
Dysprosium	156-2	80771	81176	80629	80859	0.35	cps
Erbium	164-1	47865	48410	49083	48453	1.26	cps
Erbium	164-2	32678	32284	32608	32523	0.65	cps
Gadolinium	160-1	69475	71056	70550	70360	1.15	cps
Gadolinium	160-2	49982	49908	50474	50121	0.61	cps
Holmium	165-1	6136074	6005932	5999869	6047292	1.27	cps
Holmium	165-2	4081579	4047837	4121344	4083587	0.90	cps
Indium	115-1	5283261	5305058	5302810	5297043	0.23	cps
Indium	115-2	1787654	1776108	1809675	1791146	0.95	cps
Iron	56-2	225648123	222148623	226290963	224695903	0.99	cps
Iron	57-2	5662049	5504568	5564540	5577052	1.43	cps
Iron	54-2	12524939	12446348	12450517	12473935	0.35	cps
Krypton	83-1	320	300	333	318	5.28	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-21	Instrumnet Name :	P7
Client Sample ID :	MYDBF2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:59:13	DataFile Name :	108SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2480977	2492796	2497489	2490421	0.34	cps
Lead	207-1	2197264	2244717	2253892	2231958	1.36	cps
Lead	208-1	9962719	10110728	10051401	10041616	0.74	cps
Lithium	6-1	357998	361415	345359	354924	2.38	cps
Magnesium	24-2	7900127	7773354	7767668	7813716	0.96	cps
Manganese	55-2	4340912	4306738	4288506	4312052	0.62	cps
Molybdenum	94-1	271334	279403	275408	275382	1.46	cps
Molybdenum	95-1	7812	7992	7909	7904	1.14	cps
Molybdenum	96-1	54722	56151	54886	55253	1.41	cps
Molybdenum	97-1	4884	5101	5081	5022	2.39	cps
Molybdenum	98-1	11928	12656	12329	12304	2.96	cps
Neodymium	150-1	216349	218503	220875	218576	1.04	cps
Neodymium	150-2	126875	125946	125849	126223	0.45	cps
Nickel	60-2	354048	351560	350715	352107	0.49	cps
Phosphorus	31-2	55376	54728	53931	54678	1.32	cps
Potassium	39-2	2651837	2616096	2616204	2628046	0.78	cps
Rhodium	103-1	5021642	5141211	4995640	5052831	1.54	cps
Rhodium	103-2	3084025	3053935	3005353	3047771	1.30	cps
Scandium	45-1	3517724	3453848	3456483	3476019	1.04	cps
Scandium	45-2	333816	331923	328124	331288	0.87	cps
Selenium	82-1	884	879	807	857	4.99	cps
Selenium	77-2	407	470	463	447	7.79	cps
Selenium	78-2	763	843	800	802	4.99	cps
Silicon	28-1	19788341	19631636	20022957	19814311	0.99	cps
Silver	107-1	59478	60362	59920	59920	0.74	cps
Silver	109-1	56245	56737	56717	56567	0.49	cps
Sodium	23-2	615126	608914	613692	612577	0.53	cps
Strontium	86-1	1026846	1039126	1042571	1036181	0.80	cps
Strontium	88-1	9291907	9424832	9430150	9382296	0.83	cps
Sulfur	34-1	147743	148678	148258	148226	0.32	cps
Terbium	159-1	6330309	6324788	6230152	6295083	0.89	cps
Terbium	159-2	4098137	4124481	4109121	4110579	0.32	cps
Thallium	203-1	2324	2604	2377	2435	6.11	cps
Thallium	205-1	5608	5605	5608	5607	0.03	cps
Tin	118-1	101213	102810	102931	102318	0.94	cps
Titanium	47-1	2235385	2279787	2223002	2246058	1.33	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-21	Instrumnet Name :	P7
Client Sample ID :	MYDBF2	Dilution Factor :	1
Date & Time Acquired :	2024-10-29 23:59:13	DataFile Name :	108SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	34552	35424	35126	35034	1.27	cps
Vanadium	51-2	515425	508881	508660	510989	0.75	cps
Yttrium	89-1	10433818	10452044	10285568	10390476	0.88	cps
Yttrium	89-2	2703801	2615248	2619112	2646054	1.89	cps
Zinc	66-2	899429	885648	891147	892075	0.78	cps
Zirconium	90-1	746458	758506	751681	752215	0.80	cps
Zirconium	91-1	164158	168945	167660	166921	1.48	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-22	Instrumnet Name :	P7
Client Sample ID :	MYDBF3	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:02:13	DataFile Name :	109SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	28078450	28000962	27916845	27998752	0.29	cps
Antimony	121-1	154572	158139	156599	156436	1.14	cps
Arsenic	75-2	138815	137314	137181	137770	0.66	cps
Barium	135-1	1141465	1171304	1168083	1160284	1.41	cps
Barium	137-1	2187869	2183916	2233788	2201858	1.26	cps
Beryllium	9-1	9023	9119	8996	9046	0.72	cps
Bismuth	209-1	4892756	4878624	4888198	4886526	0.15	cps
Bismuth	209-2	3832238	3799959	3901688	3844628	1.35	cps
Bromine	81-1	9930	9933	10180	10015	1.43	cps
Bromine	81-2	810	730	733	758	5.97	cps
Cadmium	108-1	3874	3927	4007	3936	1.71	cps
Cadmium	106-1	6978	7305	7212	7165	2.35	cps
Cadmium	111-1	48340	49227	49105	48891	0.98	cps
Calcium	43-1	323635	333801	335994	331143	1.99	cps
Calcium	44-1	5201471	5270024	5325380	5265625	1.18	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1460236	1450395	1458072	1456235	0.36	cps
Cobalt	59-2	200550	200955	197679	199728	0.89	cps
Copper	63-2	29333861	29410039	29005191	29249697	0.74	cps
Dysprosium	156-1	39138	41137	40237	40171	2.49	cps
Dysprosium	156-2	36464	35628	36735	36276	1.59	cps
Erbium	164-1	27504	28456	28623	28194	2.14	cps
Erbium	164-2	19093	18532	18422	18683	1.93	cps
Gadolinium	160-1	35538	35963	36227	35909	0.97	cps
Gadolinium	160-2	25744	24979	25760	25494	1.75	cps
Holmium	165-1	5901161	6021315	6029531	5984003	1.20	cps
Holmium	165-2	4059180	3999036	4023017	4027078	0.75	cps
Indium	115-1	5253449	5235816	5204211	5231159	0.48	cps
Indium	115-2	1796723	1772245	1788923	1785964	0.70	cps
Iron	56-2	187321151	186537051	186051144	186636448	0.34	cps
Iron	57-2	4597302	4644025	4607254	4616193	0.53	cps
Iron	54-2	10441442	10308876	10279561	10343293	0.83	cps
Krypton	83-1	277	243	257	259	6.48	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-22	Instrumnet Name :	P7
Client Sample ID :	MYDBF3	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:02:13	DataFile Name :	109SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5980646	5955224	6005796	5980555	0.42	cps
Lead	207-1	5308033	5240997	5301673	5283568	0.70	cps
Lead	208-1	23717717	23758010	23908863	23794863	0.42	cps
Lithium	6-1	365763	363887	363540	364397	0.33	cps
Magnesium	24-2	7434613	7375209	7363679	7391167	0.52	cps
Manganese	55-2	3760710	3765492	3791060	3772421	0.43	cps
Molybdenum	94-1	255482	265420	261216	260706	1.91	cps
Molybdenum	95-1	34678	36088	36589	35785	2.77	cps
Molybdenum	96-1	78523	80152	79917	79531	1.11	cps
Molybdenum	97-1	21329	22558	21887	21924	2.81	cps
Molybdenum	98-1	55840	56659	57028	56509	1.08	cps
Neodymium	150-1	90491	92048	92199	91579	1.03	cps
Neodymium	150-2	52524	52598	52584	52569	0.07	cps
Nickel	60-2	369378	366737	364959	367025	0.61	cps
Phosphorus	31-2	24383	24409	24273	24355	0.30	cps
Potassium	39-2	3087034	3067963	3001935	3052311	1.46	cps
Rhodium	103-1	5039222	5064294	4986429	5029982	0.79	cps
Rhodium	103-2	3026565	2972860	3021828	3007084	0.99	cps
Scandium	45-1	3406551	3360950	3363570	3377024	0.76	cps
Scandium	45-2	319849	318598	319179	319209	0.20	cps
Selenium	82-1	1612	1788	1632	1677	5.72	cps
Selenium	77-2	277	290	273	280	3.15	cps
Selenium	78-2	937	1043	920	967	6.92	cps
Silicon	28-1	23784221	24064553	24492683	24113819	1.48	cps
Silver	107-1	117716	120731	119888	119445	1.30	cps
Silver	109-1	110524	112701	112677	111967	1.12	cps
Sodium	23-2	363665	362890	361449	362668	0.31	cps
Strontium	86-1	326172	332327	330421	329640	0.96	cps
Strontium	88-1	3029531	3088613	3002473	3040206	1.45	cps
Sulfur	34-1	186463	186001	186069	186178	0.13	cps
Terbium	159-1	6202512	6246300	6046945	6165253	1.70	cps
Terbium	159-2	4008627	4035459	4065389	4036492	0.70	cps
Thallium	203-1	2670	2577	2664	2637	1.97	cps
Thallium	205-1	5945	5945	6191	6027	2.36	cps
Tin	118-1	576751	589466	593642	586620	1.50	cps
Titanium	47-1	2137059	2151028	2184606	2157564	1.13	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-22	Instrumnet Name :	P7
Client Sample ID :	MYDBF3	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:02:13	DataFile Name :	109SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	30007	30371	30365	30248	0.69	cps
Vanadium	51-2	354262	352276	351502	352680	0.40	cps
Yttrium	89-1	9899389	9948915	9833431	9893912	0.59	cps
Yttrium	89-2	2540080	2549274	2521496	2536950	0.56	cps
Zinc	66-2	3287168	3309120	3209733	3268674	1.60	cps
Zirconium	90-1	656955	667245	663306	662502	0.78	cps
Zirconium	91-1	144552	147453	147056	146354	1.07	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-01	Instrumnet Name :	P7
Client Sample ID :	MYDBF4	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:05:14	DataFile Name :	110SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15330791	15415903	15281234	15342643	0.44	cps
Antimony	121-1	14407	14494	14474	14458	0.31	cps
Arsenic	75-2	47201	47215	47432	47283	0.27	cps
Barium	135-1	5695020	5562286	5597423	5618243	1.22	cps
Barium	137-1	9712775	9645690	9694940	9684468	0.36	cps
Beryllium	9-1	2660	2607	2637	2635	1.01	cps
Bismuth	209-1	3589570	3487030	3466780	3514460	1.87	cps
Bismuth	209-2	2788204	2820802	2824147	2811051	0.71	cps
Bromine	81-1	9617	9853	9670	9713	1.28	cps
Bromine	81-2	780	787	703	757	6.12	cps
Cadmium	108-1	1030	1127	1290	1149	11.44	cps
Cadmium	106-1	3681	3544	3610	3612	1.89	cps
Cadmium	111-1	9264	9081	9213	9186	1.03	cps
Calcium	43-1	870041	883246	884645	879311	0.92	cps
Calcium	44-1	13938594	13753724	13834947	13842422	0.67	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	624188	625521	622031	623913	0.28	cps
Cobalt	59-2	285572	284342	284285	284733	0.26	cps
Copper	63-2	3001232	2923242	2945841	2956771	1.36	cps
Dysprosium	156-1	102864	104290	104059	103737	0.74	cps
Dysprosium	156-2	95398	95925	96368	95897	0.51	cps
Erbium	164-1	62104	62693	62469	62422	0.48	cps
Erbium	164-2	42344	40803	41358	41502	1.88	cps
Gadolinium	160-1	87431	89101	88702	88411	0.99	cps
Gadolinium	160-2	62636	63239	62171	62682	0.85	cps
Holmium	165-1	6086034	6015482	5917670	6006395	1.41	cps
Holmium	165-2	4039812	4036323	4008853	4028330	0.42	cps
Indium	115-1	5204148	5254523	5158752	5205807	0.92	cps
Indium	115-2	1769845	1769481	1760669	1766665	0.29	cps
Iron	56-2	255747070	255794316	255343203	255628196	0.10	cps
Iron	57-2	6378698	6319003	6341023	6346242	0.48	cps
Iron	54-2	14224611	14176173	14049844	14150210	0.64	cps
Krypton	83-1	333	390	313	346	11.51	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-01	Instrumnet Name :	P7
Client Sample ID :	MYDBF4	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:05:14	DataFile Name :	110SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	720662	736892	732810	730121	1.16	cps
Lead	207-1	621411	628635	631910	627318	0.86	cps
Lead	208-1	2838667	2890853	2869897	2866472	0.92	cps
Lithium	6-1	364521	353491	354120	357377	1.73	cps
Magnesium	24-2	8168260	8161702	8082596	8137519	0.59	cps
Manganese	55-2	4797483	4874574	4835634	4835897	0.80	cps
Molybdenum	94-1	346332	352682	353298	350771	1.10	cps
Molybdenum	95-1	4591	4731	4761	4694	1.93	cps
Molybdenum	96-1	63484	65168	65195	64615	1.52	cps
Molybdenum	97-1	2727	3060	3037	2941	6.33	cps
Molybdenum	98-1	7279	7625	7525	7476	2.39	cps
Neodymium	150-1	259151	261946	260221	260439	0.54	cps
Neodymium	150-2	148270	149540	150649	149486	0.80	cps
Nickel	60-2	344566	347890	345020	345825	0.52	cps
Phosphorus	31-2	50235	50142	50105	50161	0.13	cps
Potassium	39-2	2571259	2567791	2553308	2564120	0.37	cps
Rhodium	103-1	5026835	4950041	4959533	4978803	0.84	cps
Rhodium	103-2	3029671	3048058	3022442	3033390	0.44	cps
Scandium	45-1	3518551	3504033	3483796	3502127	0.50	cps
Scandium	45-2	337320	336607	335219	336382	0.32	cps
Selenium	82-1	563	474	619	552	13.21	cps
Selenium	77-2	403	357	467	409	13.50	cps
Selenium	78-2	737	680	673	697	5.00	cps
Silicon	28-1	15428684	15401539	15460200	15430141	0.19	cps
Silver	107-1	17401	17721	17484	17535	0.95	cps
Silver	109-1	16326	16169	15722	16072	1.95	cps
Sodium	23-2	321417	321750	323475	322214	0.34	cps
Strontium	86-1	1084478	1100078	1103826	1096127	0.94	cps
Strontium	88-1	9868481	10130389	10054717	10017862	1.35	cps
Sulfur	34-1	139069	139631	140841	139847	0.65	cps
Terbium	159-1	6315907	6275161	6167005	6252691	1.23	cps
Terbium	159-2	4086720	3990939	4049823	4042494	1.20	cps
Thallium	203-1	2137	2210	2277	2208	3.17	cps
Thallium	205-1	5074	5171	5071	5105	1.11	cps
Tin	118-1	37031	37673	37459	37387	0.87	cps
Titanium	47-1	2424343	2378439	2387946	2396909	1.01	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-01	Instrumnet Name :	P7
Client Sample ID :	MYDBF4	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:05:14	DataFile Name :	110SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	35310	35591	34792	35231	1.15	cps
Vanadium	51-2	557047	558615	555000	556887	0.33	cps
Yttrium	89-1	10611233	10509443	10389737	10503471	1.06	cps
Yttrium	89-2	2751452	2730389	2683521	2721787	1.28	cps
Zinc	66-2	334732	336503	334566	335267	0.32	cps
Zirconium	90-1	958000	976925	971854	968926	1.01	cps
Zirconium	91-1	211914	214011	214979	213635	0.73	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02	Instrumnet Name :	P7
Client Sample ID :	MYDBF5	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:08:17	DataFile Name :	111SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12289496	12126189	12107246	12174310	0.82	cps
Antimony	121-1	17274	17337	17664	17425	1.20	cps
Arsenic	75-2	78764	77434	77383	77861	1.01	cps
Barium	135-1	2316502	2409044	2416254	2380600	2.34	cps
Barium	137-1	4030266	4098254	4115113	4081211	1.10	cps
Beryllium	9-1	2570	2454	2404	2476	3.46	cps
Bismuth	209-1	3542785	3574856	3563368	3560337	0.46	cps
Bismuth	209-2	2822024	2869725	2885334	2859028	1.15	cps
Bromine	81-1	9463	9830	10084	9792	3.19	cps
Bromine	81-2	830	777	950	852	10.42	cps
Cadmium	108-1	1320	1380	1403	1368	3.14	cps
Cadmium	106-1	3637	3714	3767	3706	1.76	cps
Cadmium	111-1	16083	16692	16412	16395	1.86	cps
Calcium	43-1	508889	522815	526523	519409	1.79	cps
Calcium	44-1	8076433	8130492	8147944	8118290	0.46	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	538478	541609	535695	538594	0.55	cps
Cobalt	59-2	218070	217378	216034	217161	0.48	cps
Copper	63-2	5824530	5883126	5851276	5852977	0.50	cps
Dysprosium	156-1	71507	72449	74151	72702	1.84	cps
Dysprosium	156-2	67284	67099	67327	67237	0.18	cps
Erbium	164-1	45133	47383	47320	46612	2.75	cps
Erbium	164-2	31833	31479	31061	31458	1.23	cps
Gadolinium	160-1	62532	63875	64853	63753	1.83	cps
Gadolinium	160-2	45798	45176	45407	45460	0.69	cps
Holmium	165-1	5850530	5940317	5974840	5921895	1.08	cps
Holmium	165-2	3946594	3937977	3929189	3937920	0.22	cps
Indium	115-1	5119767	5186749	5115203	5140573	0.78	cps
Indium	115-2	1780771	1765698	1725973	1757480	1.61	cps
Iron	56-2	206258584	206835064	207089644	206727764	0.21	cps
Iron	57-2	5211551	5168524	5085705	5155260	1.24	cps
Iron	54-2	11389973	11350510	11517442	11419309	0.76	cps
Krypton	83-1	317	277	273	289	8.35	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02	Instrumnet Name :	P7
Client Sample ID :	MYDBF5	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:08:17	DataFile Name :	111SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1334783	1377442	1373440	1361888	1.73	cps
Lead	207-1	1144717	1201423	1200774	1182305	2.75	cps
Lead	208-1	5671172	5875880	5857882	5801645	1.95	cps
Lithium	6-1	344655	342622	335063	340780	1.48	cps
Magnesium	24-2	5730522	5635605	5650960	5672362	0.90	cps
Manganese	55-2	4291524	4308162	4316551	4305412	0.30	cps
Molybdenum	94-1	203642	209438	208033	207038	1.46	cps
Molybdenum	95-1	5478	5448	5374	5433	0.98	cps
Molybdenum	96-1	40560	41502	41836	41299	1.60	cps
Molybdenum	97-1	3454	3607	3570	3544	2.26	cps
Molybdenum	98-1	8382	8723	7969	8358	4.52	cps
Neodymium	150-1	169773	175721	177625	174373	2.35	cps
Neodymium	150-2	101475	101347	99723	100848	0.97	cps
Nickel	60-2	234760	233198	231927	233295	0.61	cps
Phosphorus	31-2	31907	31235	31716	31619	1.09	cps
Potassium	39-2	2389279	2377672	2330001	2365651	1.33	cps
Rhodium	103-1	4905722	4915811	4898880	4906804	0.17	cps
Rhodium	103-2	3005792	2964017	2937700	2969170	1.16	cps
Scandium	45-1	3348771	3376463	3355400	3360211	0.43	cps
Scandium	45-2	326608	324349	320988	323982	0.87	cps
Selenium	82-1	585	697	682	655	9.35	cps
Selenium	77-2	377	390	307	358	12.51	cps
Selenium	78-2	657	703	660	673	3.87	cps
Silicon	28-1	20056541	20572862	21034749	20554717	2.38	cps
Silver	107-1	31618	31902	32166	31895	0.86	cps
Silver	109-1	29360	29587	29791	29579	0.73	cps
Sodium	23-2	203237	205970	206008	205072	0.77	cps
Strontium	86-1	515755	526444	522269	521489	1.03	cps
Strontium	88-1	4764117	4838883	4781865	4794955	0.81	cps
Sulfur	34-1	137895	135616	135453	136321	1.00	cps
Terbium	159-1	6052372	6028299	6059375	6046682	0.27	cps
Terbium	159-2	4006955	3959675	3939753	3968794	0.87	cps
Thallium	203-1	2227	2214	2257	2232	0.99	cps
Thallium	205-1	5214	5348	5324	5296	1.35	cps
Tin	118-1	113281	115831	115569	114894	1.22	cps
Titanium	47-1	1579990	1621401	1603506	1601632	1.30	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02	Instrumnet Name :	P7
Client Sample ID :	MYDBF5	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:08:17	DataFile Name :	111SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	22930	23093	23387	23137	1.00	cps
Vanadium	51-2	410790	413476	412796	412354	0.34	cps
Yttrium	89-1	10190820	9973156	9984127	10049368	1.22	cps
Yttrium	89-2	2643402	2561729	2592295	2599142	1.59	cps
Zinc	66-2	649326	645240	641678	645415	0.59	cps
Zirconium	90-1	555113	559535	567136	560595	1.08	cps
Zirconium	91-1	121667	124608	125021	123765	1.48	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-03	Instrumnet Name :	P7
Client Sample ID :	MYDBF5D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:11:20	DataFile Name :	112SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12324263	12314811	12233662	12290912	0.41	cps
Antimony	121-1	17591	17624	18011	17742	1.32	cps
Arsenic	75-2	77810	76844	76244	76966	1.03	cps
Barium	135-1	2342057	2383495	2338077	2354543	1.07	cps
Barium	137-1	4013241	4049852	4060096	4041063	0.61	cps
Beryllium	9-1	2360	2370	2437	2389	1.74	cps
Bismuth	209-1	3543409	3657771	3530756	3577312	1.96	cps
Bismuth	209-2	2932848	2902525	2864793	2900055	1.18	cps
Bromine	81-1	9426	9873	10037	9779	3.23	cps
Bromine	81-2	847	953	793	864	9.43	cps
Cadmium	108-1	1270	1393	1507	1390	8.52	cps
Cadmium	106-1	3677	3741	3400	3606	5.02	cps
Cadmium	111-1	16036	16601	16340	16325	1.73	cps
Calcium	43-1	508655	519404	517711	515256	1.12	cps
Calcium	44-1	8005692	8298694	8131492	8145292	1.80	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	545812	535472	536897	539394	1.04	cps
Cobalt	59-2	220187	219487	217752	219142	0.57	cps
Copper	63-2	5850578	5786702	5772031	5803104	0.72	cps
Dysprosium	156-1	72597	73042	73692	73110	0.75	cps
Dysprosium	156-2	67183	67150	68104	67479	0.80	cps
Erbium	164-1	45544	47287	46370	46400	1.88	cps
Erbium	164-2	31409	31626	32027	31687	0.99	cps
Gadolinium	160-1	62730	64447	63222	63466	1.39	cps
Gadolinium	160-2	45564	45751	45754	45690	0.24	cps
Holmium	165-1	5852684	5880268	5853694	5862216	0.27	cps
Holmium	165-2	4086001	4033426	4030033	4049820	0.77	cps
Indium	115-1	5124771	5205576	5005174	5111840	1.97	cps
Indium	115-2	1729124	1771347	1767566	1756012	1.33	cps
Iron	56-2	213328850	208445550	208484250	210086217	1.34	cps
Iron	57-2	5306392	5261371	5216351	5261371	0.86	cps
Iron	54-2	11691479	11499263	11657463	11616068	0.88	cps
Krypton	83-1	280	323	230	278	16.82	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-03	Instrumnet Name :	P7
Client Sample ID :	MYDBF5D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:11:20	DataFile Name :	112SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1337977	1359618	1366849	1354815	1.11	cps
Lead	207-1	1159270	1182435	1184434	1175380	1.19	cps
Lead	208-1	5737173	5819850	5871506	5809510	1.17	cps
Lithium	6-1	347637	345794	334630	342687	2.05	cps
Magnesium	24-2	5755585	5743418	5642020	5713674	1.09	cps
Manganese	55-2	4307930	4253497	4215455	4258961	1.09	cps
Molybdenum	94-1	210540	214436	216206	213727	1.36	cps
Molybdenum	95-1	5421	5371	5651	5481	2.73	cps
Molybdenum	96-1	41375	42261	43050	42229	1.98	cps
Molybdenum	97-1	3387	3244	3187	3273	3.15	cps
Molybdenum	98-1	8179	8342	8823	8448	3.96	cps
Neodymium	150-1	170310	175430	177338	174359	2.08	cps
Neodymium	150-2	100941	101338	101046	101108	0.20	cps
Nickel	60-2	235218	232471	232278	233322	0.70	cps
Phosphorus	31-2	31546	31536	30861	31314	1.25	cps
Potassium	39-2	2389090	2348464	2353242	2363599	0.94	cps
Rhodium	103-1	4936408	4951076	4833437	4906974	1.31	cps
Rhodium	103-2	3013950	2991896	2990615	2998821	0.44	cps
Scandium	45-1	3335262	3322930	3289338	3315843	0.72	cps
Scandium	45-2	325532	325147	323475	324718	0.34	cps
Selenium	82-1	736	667	813	739	9.92	cps
Selenium	77-2	320	303	293	306	4.41	cps
Selenium	78-2	577	683	693	651	9.93	cps
Silicon	28-1	20322767	20774055	20720341	20605721	1.20	cps
Silver	107-1	31006	32069	31889	31655	1.80	cps
Silver	109-1	28859	30272	30098	29743	2.59	cps
Sodium	23-2	205409	203653	204430	204497	0.43	cps
Strontium	86-1	517743	523661	525077	522160	0.75	cps
Strontium	88-1	4756283	4783056	4815800	4785046	0.62	cps
Sulfur	34-1	136365	134102	130343	133603	2.28	cps
Terbium	159-1	6058249	6282728	5992210	6111062	2.49	cps
Terbium	159-2	4048115	3969383	4002843	4006780	0.99	cps
Thallium	203-1	2140	2324	2194	2219	4.25	cps
Thallium	205-1	5291	5424	5778	5498	4.58	cps
Tin	118-1	134037	139875	138263	137392	2.19	cps
Titanium	47-1	1605000	1641570	1628706	1625092	1.14	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-03	Instrumnet Name :	P7
Client Sample ID :	MYDBF5D	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:11:20	DataFile Name :	112SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	22733	22816	23017	22855	0.64	cps
Vanadium	51-2	413954	408077	415414	412481	0.94	cps
Yttrium	89-1	10178300	10155673	9880479	10071484	1.65	cps
Yttrium	89-2	2623464	2622878	2591366	2612569	0.70	cps
Zinc	66-2	645202	645306	642875	644461	0.21	cps
Zirconium	90-1	566759	577880	583421	576020	1.47	cps
Zirconium	91-1	125452	128451	128081	127328	1.28	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02LX5	Instrumnet Name :	P7
Client Sample ID :	MYDBF5L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 00:14:22	DataFile Name :	113SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2354607	2405184	2349377	2369723	1.30	cps
Antimony	121-1	3430	3581	3797	3603	5.12	cps
Arsenic	75-2	14924	15158	15498	15193	1.90	cps
Barium	135-1	416080	421456	421407	419648	0.74	cps
Barium	137-1	719953	727032	728187	725057	0.61	cps
Beryllium	9-1	467	483	487	479	2.24	cps
Bismuth	209-1	3658271	3533878	3606512	3599553	1.74	cps
Bismuth	209-2	2842669	2818798	2882816	2848094	1.14	cps
Bromine	81-1	7235	7519	7639	7464	2.78	cps
Bromine	81-2	187	163	170	173	6.93	cps
Cadmium	108-1	263	270	313	282	9.62	cps
Cadmium	106-1	1897	2000	1753	1883	6.58	cps
Cadmium	111-1	4050	4225	3765	4013	5.78	cps
Calcium	43-1	99189	101843	102068	101033	1.58	cps
Calcium	44-1	1628260	1619879	1598969	1615703	0.93	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	104556	104096	103939	104197	0.31	cps
Cobalt	59-2	42326	42701	42841	42623	0.62	cps
Copper	63-2	1102366	1093884	1099169	1098473	0.39	cps
Dysprosium	156-1	14214	14478	14321	14337	0.92	cps
Dysprosium	156-2	12522	13256	12939	12906	2.85	cps
Erbium	164-1	8733	9260	9203	9065	3.19	cps
Erbium	164-2	5965	5841	6035	5947	1.65	cps
Gadolinium	160-1	12032	12522	12462	12339	2.17	cps
Gadolinium	160-2	8950	8770	8976	8898	1.26	cps
Holmium	165-1	5978366	5974363	5996286	5983005	0.20	cps
Holmium	165-2	4032720	4082056	4029232	4048003	0.73	cps
Indium	115-1	5360028	5305191	5227717	5297645	1.25	cps
Indium	115-2	1802597	1812986	1850888	1822157	1.39	cps
Iron	56-2	40443057	40466134	40456074	40455088	0.03	cps
Iron	57-2	1025316	1017747	1013694	1018919	0.58	cps
Iron	54-2	2227822	2274617	2258659	2253699	1.06	cps
Krypton	83-1	260	213	240	238	9.84	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02LX5	Instrumnet Name :	P7
Client Sample ID :	MYDBF5L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 00:14:22	DataFile Name :	113SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	266202	268263	267970	267478	0.42	cps
Lead	207-1	230512	232742	233646	232300	0.69	cps
Lead	208-1	1043300	1051140	1057378	1050606	0.67	cps
Lithium	6-1	346488	343247	348237	345991	0.73	cps
Magnesium	24-2	1116257	1110887	1112244	1113129	0.25	cps
Manganese	55-2	838997	831593	836003	835531	0.45	cps
Molybdenum	94-1	39804	40790	39687	40094	1.51	cps
Molybdenum	95-1	1373	1290	1300	1321	3.44	cps
Molybdenum	96-1	8152	8286	8326	8255	1.10	cps
Molybdenum	97-1	833	697	787	772	9.00	cps
Molybdenum	98-1	1783	1980	1993	1919	6.13	cps
Neodymium	150-1	32988	34526	34034	33849	2.32	cps
Neodymium	150-2	19420	19974	19607	19667	1.43	cps
Nickel	60-2	46345	46047	46910	46434	0.94	cps
Phosphorus	31-2	5965	6285	6435	6228	3.86	cps
Potassium	39-2	547118	544912	541053	544361	0.56	cps
Rhodium	103-1	5129649	5158633	5099735	5129339	0.57	cps
Rhodium	103-2	3086130	3150187	3126396	3120905	1.04	cps
Scandium	45-1	3356998	3288960	3246805	3297588	1.69	cps
Scandium	45-2	310280	312221	312488	311663	0.39	cps
Selenium	82-1	372	445	403	407	8.95	cps
Selenium	77-2	77	77	50	68	22.72	cps
Selenium	78-2	420	417	400	412	2.60	cps
Silicon	28-1	4095604	4167623	4195594	4152940	1.24	cps
Silver	107-1	6331	6188	6385	6301	1.61	cps
Silver	109-1	5728	5785	5818	5777	0.79	cps
Sodium	23-2	81766	81149	80057	80991	1.07	cps
Strontium	86-1	100245	102337	103475	102019	1.61	cps
Strontium	88-1	885006	896542	898417	893322	0.81	cps
Sulfur	34-1	122103	123017	122959	122693	0.42	cps
Terbium	159-1	6201292	6166048	6126559	6164633	0.61	cps
Terbium	159-2	4107844	4085819	4136010	4109891	0.61	cps
Thallium	203-1	563	473	460	499	11.27	cps
Thallium	205-1	1133	1157	1127	1139	1.38	cps
Tin	118-1	24624	24862	24588	24691	0.60	cps
Titanium	47-1	301453	307267	304899	304540	0.96	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02LX5	Instrumnet Name :	P7
Client Sample ID :	MYDBF5L	Dilution Factor :	5
Date & Time Acquired :	2024-10-30 00:14:22	DataFile Name :	113SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	4434	4421	4474	4443	0.63	cps
Vanadium	51-2	79786	78748	79267	79267	0.66	cps
Yttrium	89-1	9626690	9515151	9707254	9616365	1.00	cps
Yttrium	89-2	2504770	2510263	2514746	2509927	0.20	cps
Zinc	66-2	128134	127677	129126	128313	0.58	cps
Zirconium	90-1	107390	108582	108588	108187	0.64	cps
Zirconium	91-1	23112	24107	24307	23842	2.68	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-04	Instrumnet Name :	P7
Client Sample ID :	MYDBF5S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:17:34	DataFile Name :	114SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12490579	12449112	12642406	12527366	0.81	cps
Antimony	121-1	462442	464368	466287	464366	0.41	cps
Arsenic	75-2	89672	90816	90366	90285	0.64	cps
Barium	135-1	4379899	4419476	4495847	4431741	1.33	cps
Barium	137-1	7641584	7648770	7784176	7691510	1.04	cps
Beryllium	9-1	21625	22623	22854	22367	2.92	cps
Bismuth	209-1	3603057	3651715	3665638	3640137	0.90	cps
Bismuth	209-2	2965294	2946272	2993036	2968200	0.79	cps
Bromine	81-1	9863	9990	10134	9996	1.35	cps
Bromine	81-2	827	733	740	767	6.79	cps
Cadmium	108-1	5118	4767	4861	4915	3.69	cps
Cadmium	106-1	8866	9290	8950	9035	2.48	cps
Cadmium	111-1	70077	70917	70821	70605	0.65	cps
Calcium	43-1	516304	527778	531185	525089	1.48	cps
Calcium	44-1	8165262	8356116	8373528	8298302	1.39	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	940014	937302	945535	940950	0.45	cps
Cobalt	59-2	1760885	1727077	1791538	1759833	1.83	cps
Copper	63-2	6418879	6462387	6395218	6425495	0.53	cps
Dysprosium	156-1	73548	74238	75599	74462	1.40	cps
Dysprosium	156-2	67240	68680	68573	68164	1.18	cps
Erbium	164-1	46992	46393	47932	47106	1.65	cps
Erbium	164-2	32578	31926	32040	32181	1.08	cps
Gadolinium	160-1	63275	64109	64893	64093	1.26	cps
Gadolinium	160-2	46206	45470	46356	46011	1.03	cps
Holmium	165-1	5945292	6007266	5876761	5943106	1.10	cps
Holmium	165-2	4077347	4038211	4154361	4089973	1.44	cps
Indium	115-1	5146623	5080286	5127837	5118249	0.67	cps
Indium	115-2	1796744	1785259	1808415	1796806	0.64	cps
Iron	56-2	213155657	211987910	215340903	213494823	0.80	cps
Iron	57-2	5360122	5262353	5356135	5326203	1.04	cps
Iron	54-2	11641337	11707362	11850547	11733082	0.91	cps
Krypton	83-1	300	337	283	307	8.90	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-04	Instrumnet Name :	P7
Client Sample ID :	MYDBF5S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:17:34	DataFile Name :	114SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1407350	1416424	1426233	1416669	0.67	cps
Lead	207-1	1230722	1236161	1235029	1233971	0.23	cps
Lead	208-1	6055909	6035851	6100531	6064097	0.55	cps
Lithium	6-1	352052	353397	354877	353442	0.40	cps
Magnesium	24-2	5721074	5712811	5759593	5731159	0.44	cps
Manganese	55-2	5032579	5014006	5073856	5040147	0.61	cps
Molybdenum	94-1	204974	212961	214036	210657	2.35	cps
Molybdenum	95-1	5771	5725	5738	5745	0.42	cps
Molybdenum	96-1	41108	42358	42505	41990	1.83	cps
Molybdenum	97-1	3554	3504	3477	3512	1.11	cps
Molybdenum	98-1	8946	8819	9483	9083	3.88	cps
Neodymium	150-1	174125	176898	176909	175978	0.91	cps
Neodymium	150-2	101452	104574	102509	102845	1.54	cps
Nickel	60-2	614263	614367	615370	614667	0.10	cps
Phosphorus	31-2	31696	31776	32431	31968	1.26	cps
Potassium	39-2	2352702	2360099	2336668	2349823	0.51	cps
Rhodium	103-1	5005764	4987745	4995974	4996494	0.18	cps
Rhodium	103-2	3040180	3070410	3091604	3067398	0.84	cps
Scandium	45-1	3356703	3460239	3434495	3417146	1.58	cps
Scandium	45-2	329139	324593	329259	327664	0.81	cps
Selenium	82-1	6492	6880	6691	6688	2.90	cps
Selenium	77-2	873	920	867	887	3.28	cps
Selenium	78-2	2627	2580	2787	2665	4.07	cps
Silicon	28-1	19626543	20204912	19870786	19900747	1.46	cps
Silver	107-1	246007	248529	250576	248371	0.92	cps
Silver	109-1	229547	235284	235688	233506	1.47	cps
Sodium	23-2	197399	195485	199659	197514	1.06	cps
Strontium	86-1	518004	532389	538708	529701	2.00	cps
Strontium	88-1	4785521	4872601	5001416	4886513	2.22	cps
Sulfur	34-1	141256	141370	141259	141295	0.05	cps
Terbium	159-1	6131047	6212314	6198156	6180506	0.70	cps
Terbium	159-2	4006786	4050180	4034670	4030546	0.55	cps
Thallium	203-1	159505	160552	161951	160669	0.76	cps
Thallium	205-1	371527	376015	380674	376072	1.22	cps
Tin	118-1	122216	124855	123793	123622	1.07	cps
Titanium	47-1	1597683	1621695	1654411	1624596	1.75	cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-04	Instrumnet Name :	P7
Client Sample ID :	MYDBF5S	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:17:34	DataFile Name :	114SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	22776	23414	23037	23076	1.39	cps
Vanadium	51-2	1298375	1295845	1301863	1298694	0.23	cps
Yttrium	89-1	10025974	10294648	10272281	10197634	1.46	cps
Yttrium	89-2	2629105	2637892	2600202	2622399	0.75	cps
Zinc	66-2	821816	819398	824212	821809	0.29	cps
Zirconium	90-1	558539	576752	583882	573058	2.28	cps
Zirconium	91-1	124356	130408	128572	127779	2.43	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02MS	Instrumnet Name :	P7
Client Sample ID :	MYDBF5SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:20:34	DataFile Name :	115SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12776802	12669492	12678004	12708100	0.47	cps
Antimony	121-1	1831252	1869530	1887736	1862840	1.55	cps
Arsenic	75-2	120699	120121	122900	121240	1.21	cps
Barium	135-1	10947306	11257214	11248536	11151019	1.58	cps
Barium	137-1	18992435	19765252	19810099	19522595	2.35	cps
Beryllium	9-1	87763	87901	88699	88121	0.57	cps
Bismuth	209-1	3630029	3646450	3538727	3605068	1.61	cps
Bismuth	209-2	2958343	2962255	2985086	2968561	0.49	cps
Bromine	81-1	9760	9787	10227	9925	2.64	cps
Bromine	81-2	753	747	773	758	1.83	cps
Cadmium	108-1	15575	15538	15485	15533	0.29	cps
Cadmium	106-1	22364	22785	23259	22802	1.96	cps
Cadmium	111-1	222382	227834	228845	226353	1.54	cps
Calcium	43-1	504224	519777	521480	515161	1.85	cps
Calcium	44-1	7982728	8252159	8105935	8113607	1.66	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2242489	2271490	2307907	2273962	1.44	cps
Cobalt	59-2	6693330	6688475	6675277	6685694	0.14	cps
Copper	63-2	8068514	7915166	8009377	7997686	0.97	cps
Dysprosium	156-1	72590	72589	74945	73375	1.85	cps
Dysprosium	156-2	66486	66892	68211	67196	1.34	cps
Erbium	164-1	45922	47377	47116	46805	1.66	cps
Erbium	164-2	31128	31589	31643	31453	0.90	cps
Gadolinium	160-1	62301	63068	64538	63302	1.80	cps
Gadolinium	160-2	45343	45453	45069	45289	0.44	cps
Holmium	165-1	6014205	5990605	5730643	5911817	2.66	cps
Holmium	165-2	4157717	4069836	4120200	4115918	1.07	cps
Indium	115-1	5140953	5235229	4989031	5121737	2.43	cps
Indium	115-2	1817321	1819058	1799194	1811857	0.61	cps
Iron	56-2	210183837	212772964	213330837	212095879	0.79	cps
Iron	57-2	5246160	5305411	5295720	5282430	0.60	cps
Iron	54-2	11873624	11859902	11788979	11840835	0.38	cps
Krypton	83-1	300	300	303	301	0.64	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02MS	Instrumnet Name :	P7
Client Sample ID :	MYDBF5SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:20:34	DataFile Name :	115SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1522004	1568145	1582563	1557570	2.03	cps
Lead	207-1	1326601	1350898	1369128	1348876	1.58	cps
Lead	208-1	6543869	6668597	6790401	6667622	1.85	cps
Lithium	6-1	355375	354650	345739	351921	1.52	cps
Magnesium	24-2	5507687	5582746	5585310	5558581	0.79	cps
Manganese	55-2	7194251	7232371	7193122	7206581	0.31	cps
Molybdenum	94-1	202644	205365	209562	205857	1.69	cps
Molybdenum	95-1	5514	6021	5848	5795	4.45	cps
Molybdenum	96-1	41004	41602	41843	41483	1.04	cps
Molybdenum	97-1	3537	3484	3390	3470	2.14	cps
Molybdenum	98-1	9230	9256	9010	9165	1.48	cps
Neodymium	150-1	171008	174024	177222	174085	1.78	cps
Neodymium	150-2	100767	99984	99579	100110	0.60	cps
Nickel	60-2	1918211	1933567	1923911	1925230	0.40	cps
Phosphorus	31-2	30594	30340	30921	30618	0.95	cps
Potassium	39-2	2277349	2310025	2297216	2294863	0.72	cps
Rhodium	103-1	4981534	4969779	4806769	4919361	1.99	cps
Rhodium	103-2	3049444	3074726	3069568	3064579	0.44	cps
Scandium	45-1	3378355	3393070	3266692	3346039	2.07	cps
Scandium	45-2	327997	328906	326078	327660	0.44	cps
Selenium	82-1	30964	31206	31523	31231	0.90	cps
Selenium	77-2	3480	3477	3354	3437	2.10	cps
Selenium	78-2	10877	10904	10881	10887	0.13	cps
Silicon	28-1	19273872	19424910	19442109	19380297	0.48	cps
Silver	107-1	874566	882189	891065	882607	0.94	cps
Silver	109-1	821517	836289	870019	842608	2.95	cps
Sodium	23-2	193528	196265	196975	195589	0.93	cps
Strontium	86-1	511219	523523	527719	520820	1.65	cps
Strontium	88-1	4664490	4742695	4873506	4760230	2.22	cps
Sulfur	34-1	142288	139968	139718	140658	1.01	cps
Terbium	159-1	6163438	6222886	5933945	6106756	2.50	cps
Terbium	159-2	4094456	4056452	4035384	4062097	0.74	cps
Thallium	203-1	616911	614860	630318	620696	1.35	cps
Thallium	205-1	1437295	1470276	1483381	1463650	1.62	cps
Tin	118-1	115156	119104	121669	118643	2.77	cps
Titanium	47-1	1548284	1595652	1582962	1575633	1.56	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02MS	Instrumnet Name :	P7
Client Sample ID :	MYDBF5SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:20:34	DataFile Name :	115SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	22225	22519	23377	22707	2.64	cps
Vanadium	51-2	4177769	4207058	4170531	4185119	0.46	cps
Yttrium	89-1	10063877	10185000	9845739	10031539	1.71	cps
Yttrium	89-2	2673137	2700655	2687890	2687227	0.51	cps
Zinc	66-2	1361348	1372910	1368188	1367482	0.43	cps
Zirconium	90-1	551081	560383	566897	559454	1.42	cps
Zirconium	91-1	122510	125960	127227	125232	1.95	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:23:33	DataFile Name :	116SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2713128	2710881	2711058	2711689	0.05	cps
Antimony	121-1	12859	13777	13643	13426	3.69	cps
Arsenic	75-2	31166	31169	30952	31096	0.40	cps
Barium	135-1	449845	455082	459047	454658	1.02	cps
Barium	137-1	773490	780206	786043	779913	0.81	cps
Beryllium	9-1	560	507	607	558	8.97	cps
Bismuth	209-1	3541890	3512025	3553170	3535695	0.60	cps
Bismuth	209-2	2838965	2885438	2857945	2860783	0.82	cps
Bromine	81-1	7455	7359	7539	7451	1.21	cps
Bromine	81-2	277	193	223	231	18.26	cps
Cadmium	108-1	587	530	613	577	7.38	cps
Cadmium	106-1	2277	2220	2184	2227	2.11	cps
Cadmium	111-1	7831	8068	7827	7909	1.74	cps
Calcium	43-1	93198	93848	94103	93716	0.50	cps
Calcium	44-1	1483010	1486504	1495900	1488471	0.45	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	151254	150365	150486	150702	0.32	cps
Cobalt	59-2	64846	64498	64820	64721	0.30	cps
Copper	63-2	2759421	2731439	2755501	2748787	0.55	cps
Dysprosium	156-1	15906	16109	16360	16125	1.41	cps
Dysprosium	156-2	15215	14958	14775	14983	1.48	cps
Erbium	164-1	9200	9307	9683	9397	2.70	cps
Erbium	164-2	6702	6291	6392	6462	3.31	cps
Gadolinium	160-1	13497	13216	13550	13421	1.34	cps
Gadolinium	160-2	9156	9347	9630	9378	2.54	cps
Holmium	165-1	5906251	5859623	5804131	5856668	0.87	cps
Holmium	165-2	3978562	3941714	3999494	3973257	0.74	cps
Indium	115-1	5125287	5159362	5159232	5147960	0.38	cps
Indium	115-2	1784012	1782959	1777892	1781621	0.18	cps
Iron	56-2	47380539	46910463	46910429	47067144	0.58	cps
Iron	57-2	1203926	1194740	1192352	1197006	0.51	cps
Iron	54-2	2639577	2706819	2607843	2651413	1.91	cps
Krypton	83-1	227	250	237	238	4.92	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:23:33	DataFile Name :	116SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	645156	659461	666070	656896	1.63	cps
Lead	207-1	568553	575780	571308	571880	0.64	cps
Lead	208-1	2558861	2590933	2616606	2588800	1.12	cps
Lithium	6-1	334584	351685	353622	346630	3.02	cps
Magnesium	24-2	1313445	1277833	1277644	1289641	1.60	cps
Manganese	55-2	1034450	1030221	1032102	1032257	0.21	cps
Molybdenum	94-1	51199	51959	52343	51834	1.12	cps
Molybdenum	95-1	2367	2510	2454	2444	2.95	cps
Molybdenum	96-1	11018	11755	11615	11462	3.42	cps
Molybdenum	97-1	1507	1537	1630	1558	4.13	cps
Molybdenum	98-1	4007	4067	3804	3959	3.49	cps
Neodymium	150-1	38596	40067	39375	39346	1.87	cps
Neodymium	150-2	22758	22875	22768	22801	0.28	cps
Nickel	60-2	62895	62517	61844	62418	0.85	cps
Phosphorus	31-2	11074	10637	10974	10895	2.10	cps
Potassium	39-2	687442	677070	683018	682510	0.76	cps
Rhodium	103-1	5020256	4964340	5033222	5005939	0.73	cps
Rhodium	103-2	3031092	3087709	3012336	3043712	1.29	cps
Scandium	45-1	3162792	3205156	3171270	3179739	0.70	cps
Scandium	45-2	308839	303012	304895	305582	0.97	cps
Selenium	82-1	424	481	455	453	6.29	cps
Selenium	77-2	67	83	60	70	17.17	cps
Selenium	78-2	403	473	497	458	10.61	cps
Silicon	28-1	5116355	5115475	5114688	5115506	0.02	cps
Silver	107-1	16796	16553	16583	16644	0.80	cps
Silver	109-1	15789	15762	15725	15759	0.20	cps
Sodium	23-2	133930	132024	134340	133431	0.93	cps
Strontium	86-1	159556	162427	163164	161715	1.18	cps
Strontium	88-1	1394989	1471785	1474229	1447001	3.11	cps
Sulfur	34-1	126941	126922	125419	126428	0.69	cps
Terbium	159-1	6131104	6127160	6105679	6121314	0.22	cps
Terbium	159-2	3986038	3897223	3938438	3940566	1.13	cps
Thallium	203-1	813	863	833	837	3.01	cps
Thallium	205-1	2034	1994	1920	1982	2.90	cps
Tin	118-1	28198	28648	28715	28520	0.99	cps
Titanium	47-1	439422	447343	449473	445413	1.19	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:23:33	DataFile Name :	116SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6939	6919	7395	7084	3.81	cps
Vanadium	51-2	90480	90667	90302	90483	0.20	cps
Yttrium	89-1	9508011	9495850	9340720	9448194	0.99	cps
Yttrium	89-2	2442349	2450158	2421907	2438138	0.60	cps
Zinc	66-2	270884	272103	270581	271190	0.30	cps
Zirconium	90-1	138877	140263	142649	140597	1.36	cps
Zirconium	91-1	31100	30990	31003	31031	0.19	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-14DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:26:48	DataFile Name :	117SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2662864	2672287	2646536	2660562	0.49	cps
Antimony	121-1	12486	12372	12889	12582	2.16	cps
Arsenic	75-2	30374	30187	30471	30344	0.48	cps
Barium	135-1	436351	441824	443431	440535	0.84	cps
Barium	137-1	746357	761148	762897	756800	1.20	cps
Beryllium	9-1	533	410	537	493	14.63	cps
Bismuth	209-1	3501661	3540267	3432461	3491463	1.56	cps
Bismuth	209-2	2869475	2836509	2842774	2849586	0.61	cps
Bromine	81-1	7075	7285	7188	7183	1.46	cps
Bromine	81-2	210	197	210	206	3.74	cps
Cadmium	108-1	540	617	517	558	9.38	cps
Cadmium	106-1	2100	2040	2150	2097	2.63	cps
Cadmium	111-1	7427	7405	7405	7412	0.17	cps
Calcium	43-1	88906	91799	91383	90696	1.72	cps
Calcium	44-1	1437103	1474857	1446914	1452958	1.35	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	147914	147191	148984	148029	0.61	cps
Cobalt	59-2	62868	63092	63487	63149	0.50	cps
Copper	63-2	2697810	2677267	2743966	2706348	1.26	cps
Dysprosium	156-1	15385	15472	15686	15514	1.00	cps
Dysprosium	156-2	14454	14611	14958	14674	1.76	cps
Erbium	164-1	8853	9276	9720	9283	4.67	cps
Erbium	164-2	6221	6161	6038	6140	1.52	cps
Gadolinium	160-1	12376	12989	12806	12724	2.48	cps
Gadolinium	160-2	9427	9447	9467	9447	0.21	cps
Holmium	165-1	5770580	5853313	5771418	5798437	0.82	cps
Holmium	165-2	3983309	3962721	3955458	3967163	0.36	cps
Indium	115-1	5164488	5163140	5025630	5117753	1.56	cps
Indium	115-2	1715313	1783636	1770747	1756565	2.07	cps
Iron	56-2	46290049	46180733	45794284	46088355	0.57	cps
Iron	57-2	1172521	1164286	1179341	1172049	0.64	cps
Iron	54-2	2598989	2599613	2596159	2598254	0.07	cps
Krypton	83-1	240	223	297	253	15.17	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-14DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:26:48	DataFile Name :	117SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	633969	638594	646991	639851	1.03	cps
Lead	207-1	553117	560503	570289	561303	1.53	cps
Lead	208-1	2505818	2553394	2560212	2539808	1.17	cps
Lithium	6-1	345261	338872	334856	339663	1.54	cps
Magnesium	24-2	1281957	1270362	1284435	1278918	0.59	cps
Manganese	55-2	1026090	1015866	1012013	1017990	0.71	cps
Molybdenum	94-1	49751	50938	51072	50587	1.44	cps
Molybdenum	95-1	2590	2420	2490	2500	3.42	cps
Molybdenum	96-1	10494	10968	11064	10842	2.82	cps
Molybdenum	97-1	1593	1497	1430	1507	5.45	cps
Molybdenum	98-1	3851	3907	3837	3865	0.96	cps
Neodymium	150-1	37025	38974	38947	38315	2.92	cps
Neodymium	150-2	22932	22525	22117	22525	1.81	cps
Nickel	60-2	62667	62192	62513	62457	0.39	cps
Phosphorus	31-2	11218	10827	10917	10987	1.86	cps
Potassium	39-2	669852	669891	670403	670048	0.05	cps
Rhodium	103-1	5069084	5051433	4912740	5011086	1.71	cps
Rhodium	103-2	3039584	3043672	3016021	3033092	0.49	cps
Scandium	45-1	3233338	3205170	3112467	3183658	1.99	cps
Scandium	45-2	305832	305035	302422	304429	0.59	cps
Selenium	82-1	508	548	396	484	16.31	cps
Selenium	77-2	70	67	47	61	20.65	cps
Selenium	78-2	480	450	417	449	7.06	cps
Silicon	28-1	4590234	4767043	4697637	4684971	1.90	cps
Silver	107-1	15635	16526	15902	16021	2.85	cps
Silver	109-1	14891	15338	15582	15270	2.29	cps
Sodium	23-2	139079	139139	138302	138840	0.34	cps
Strontium	86-1	158909	163410	163889	162070	1.70	cps
Strontium	88-1	1450540	1473480	1479939	1467986	1.05	cps
Sulfur	34-1	123937	124075	124572	124195	0.27	cps
Terbium	159-1	5974522	6014836	6072407	6020588	0.82	cps
Terbium	159-2	3919605	3907531	3893110	3906749	0.34	cps
Thallium	203-1	617	660	723	667	8.05	cps
Thallium	205-1	1560	1733	1717	1670	5.73	cps
Tin	118-1	27546	28041	29089	28225	2.79	cps
Titanium	47-1	423043	430764	436797	430201	1.60	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-14DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:26:48	DataFile Name :	117SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6872	6762	7099	6911	2.49	cps
Vanadium	51-2	88293	87398	87331	87674	0.61	cps
Yttrium	89-1	9315680	9399244	9221601	9312175	0.95	cps
Yttrium	89-2	2456679	2415810	2400567	2424352	1.20	cps
Zinc	66-2	255571	257154	259291	257338	0.73	cps
Zirconium	90-1	131063	134342	135782	133729	1.81	cps
Zirconium	91-1	28849	29910	29723	29494	1.92	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBE6L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 00:29:58	DataFile Name :	118SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	535032	536386	536588	536002	0.16	cps
Antimony	121-1	2667	2897	2707	2757	4.46	cps
Arsenic	75-2	6371	6178	6121	6224	2.11	cps
Barium	135-1	86749	89231	88587	88189	1.46	cps
Barium	137-1	149790	152313	151858	151320	0.89	cps
Beryllium	9-1	103	133	117	118	12.76	cps
Bismuth	209-1	3415790	3423949	3506198	3448645	1.45	cps
Bismuth	209-2	2775197	2792533	2797237	2788322	0.42	cps
Bromine	81-1	6998	6958	6825	6927	1.31	cps
Bromine	81-2	123	93	107	108	13.95	cps
Cadmium	108-1	107	87	133	109	21.50	cps
Cadmium	106-1	1463	1433	1537	1478	3.60	cps
Cadmium	111-1	2316	2323	2346	2328	0.66	cps
Calcium	43-1	18054	18491	18602	18382	1.58	cps
Calcium	44-1	305906	314914	317435	312751	1.94	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	30214	30230	30785	30410	1.07	cps
Cobalt	59-2	13116	13153	12699	12989	1.94	cps
Copper	63-2	518844	513952	515281	516026	0.49	cps
Dysprosium	156-1	3110	3257	3167	3178	2.33	cps
Dysprosium	156-2	2990	2850	2894	2911	2.46	cps
Erbium	164-1	1857	1793	1937	1862	3.86	cps
Erbium	164-2	1127	1460	1267	1285	13.03	cps
Gadolinium	160-1	2500	2620	2597	2572	2.47	cps
Gadolinium	160-2	2000	1890	1973	1955	2.94	cps
Holmium	165-1	5738116	5720025	5822393	5760178	0.95	cps
Holmium	165-2	3949949	3991049	3932716	3957904	0.76	cps
Indium	115-1	5181577	5114015	5077477	5124356	1.03	cps
Indium	115-2	1827227	1792595	1765380	1795067	1.73	cps
Iron	56-2	9424307	9373735	9298829	9365624	0.67	cps
Iron	57-2	240033	238429	238134	238865	0.43	cps
Iron	54-2	533392	526838	531203	530478	0.63	cps
Krypton	83-1	247	230	230	236	4.09	cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBE6L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 00:29:58	DataFile Name :	118SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	126543	128271	130425	128413	1.51	cps
Lead	207-1	110794	112001	113396	112064	1.16	cps
Lead	208-1	502155	512376	511801	508777	1.13	cps
Lithium	6-1	332519	332666	333554	332913	0.17	cps
Magnesium	24-2	256108	255449	255126	255561	0.20	cps
Manganese	55-2	205186	204820	204313	204773	0.21	cps
Molybdenum	94-1	9860	10094	10237	10064	1.89	cps
Molybdenum	95-1	620	690	623	644	6.13	cps
Molybdenum	96-1	2337	2340	2567	2415	5.46	cps
Molybdenum	97-1	333	383	400	372	9.32	cps
Molybdenum	98-1	890	860	1010	920	8.63	cps
Neodymium	150-1	7519	7549	7442	7503	0.73	cps
Neodymium	150-2	4621	4567	4384	4524	2.74	cps
Nickel	60-2	12505	12382	12535	12474	0.65	cps
Phosphorus	31-2	2117	2114	2424	2218	8.03	cps
Potassium	39-2	205110	203200	203768	204026	0.48	cps
Rhodium	103-1	5063469	5083137	5004992	5050533	0.80	cps
Rhodium	103-2	3045163	3048637	3012827	3035542	0.65	cps
Scandium	45-1	3106133	3170191	3175867	3150730	1.23	cps
Scandium	45-2	301557	301542	302928	302009	0.26	cps
Selenium	82-1	346	287	375	336	13.29	cps
Selenium	77-2	20	10	27	19	44.42	cps
Selenium	78-2	333	397	397	376	9.74	cps
Silicon	28-1	1228080	1245391	1279081	1250851	2.07	cps
Silver	107-1	3110	3400	3324	3278	4.59	cps
Silver	109-1	3084	3177	3350	3204	4.22	cps
Sodium	23-2	60625	61342	60713	60893	0.64	cps
Strontium	86-1	31627	32122	32763	32171	1.77	cps
Strontium	88-1	270038	277476	279929	275814	1.87	cps
Sulfur	34-1	119707	118619	122180	120169	1.52	cps
Terbium	159-1	6075692	5999946	5999289	6024976	0.73	cps
Terbium	159-2	3968143	3974546	3962172	3968287	0.16	cps
Thallium	203-1	193	233	237	221	10.91	cps
Thallium	205-1	537	567	517	540	4.66	cps
Tin	118-1	7223	6728	6825	6925	3.78	cps
Titanium	47-1	87049	88675	88192	87972	0.95	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBE6L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 00:29:58	DataFile Name :	118SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1407	1443	1280	1377	6.23	cps
Vanadium	51-2	18017	18208	17827	18018	1.06	cps
Yttrium	89-1	9335210	9189339	9313756	9279435	0.85	cps
Yttrium	89-2	2434508	2403241	2373245	2403665	1.27	cps
Zinc	66-2	51702	52465	51750	51972	0.82	cps
Zirconium	90-1	26948	27967	27726	27547	1.93	cps
Zirconium	91-1	5968	5941	6078	5996	1.21	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV033	Instrumnet Name :	P7
Client Sample ID :	CCV033	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:33:14	DataFile Name :	119CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6902161	6840757	6757333	6833417	1.06	cps
Antimony	121-1	3022526	3088413	3103697	3071545	1.40	cps
Arsenic	75-2	200742	199053	198908	199568	0.51	cps
Barium	135-1	3725498	3886791	3807489	3806593	2.12	cps
Barium	137-1	6460910	6566744	6614501	6547385	1.20	cps
Beryllium	9-1	292513	308403	308846	303254	3.07	cps
Bismuth	209-1	3491379	3469277	3499517	3486724	0.45	cps
Bismuth	209-2	2767018	2745685	2776883	2763195	0.58	cps
Bromine	81-1	7158	7138	6988	7095	1.31	cps
Bromine	81-2	37	80	83	67	39.05	cps
Cadmium	108-1	52371	54569	53806	53582	2.08	cps
Cadmium	106-1	77291	77030	77948	77423	0.61	cps
Cadmium	111-1	733598	742860	747502	741320	0.95	cps
Calcium	43-1	4075904	4248766	4230746	4185139	2.27	cps
Calcium	44-1	65371977	67653836	68263202	67096338	2.27	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1352039	1382484	1378711	1371078	1.21	cps
Cobalt	59-2	2256743	2240844	2226958	2241515	0.66	cps
Copper	63-2	15924351	15826707	15953431	15901496	0.42	cps
Dysprosium	156-1	253	270	220	248	10.28	cps
Dysprosium	156-2	193	243	290	242	19.96	cps
Erbium	164-1	177	160	180	172	6.22	cps
Erbium	164-2	117	87	107	103	14.78	cps
Gadolinium	160-1	163	133	130	142	12.91	cps
Gadolinium	160-2	273	223	220	239	12.51	cps
Holmium	165-1	5976193	6143643	6097949	6072595	1.43	cps
Holmium	165-2	4203735	4133659	4178743	4172045	0.85	cps
Indium	115-1	5151887	5104596	5068510	5108331	0.82	cps
Indium	115-2	1796745	1774631	1735719	1769032	1.75	cps
Iron	56-2	293000922	298393349	293359049	294917773	1.02	cps
Iron	57-2	7349540	7388412	7395619	7377857	0.34	cps
Iron	54-2	16495577	16395415	16272601	16387864	0.68	cps
Krypton	83-1	253	233	287	258	10.45	cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV033	Instrumnet Name :	P7
Client Sample ID :	CCV033	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:33:14	DataFile Name :	119CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9478780	9612408	9812649	9634612	1.74	cps
Lead	207-1	8334671	8443283	8571898	8449951	1.41	cps
Lead	208-1	37773705	38698096	38995138	38488980	1.66	cps
Lithium	6-1	398494	412894	426324	412570	3.37	cps
Magnesium	24-2	56834742	56619831	56215639	56556737	0.56	cps
Manganese	55-2	9725406	9875394	9635794	9745531	1.24	cps
Molybdenum	94-1	11703589	12087628	12219216	12003478	2.23	cps
Molybdenum	95-1	17049059	17422783	17721113	17397652	1.94	cps
Molybdenum	96-1	18548973	19185743	19174599	18969772	1.92	cps
Molybdenum	97-1	10500152	10821121	10876232	10732502	1.89	cps
Molybdenum	98-1	26946716	27969055	28180955	27698909	2.38	cps
Neodymium	150-1	177	207	220	201	11.04	cps
Neodymium	150-2	83	93	110	96	14.10	cps
Nickel	60-2	544399	542642	538284	541775	0.58	cps
Phosphorus	31-2	80886	79043	78935	79621	1.38	cps
Potassium	39-2	38959051	39130177	38911555	39000261	0.29	cps
Rhodium	103-1	4823998	4979166	4861088	4888084	1.66	cps
Rhodium	103-2	2970316	2950894	2926664	2949291	0.74	cps
Scandium	45-1	3218259	3249258	3208673	3225397	0.66	cps
Scandium	45-2	306079	306130	303636	305281	0.47	cps
Selenium	82-1	48705	49734	49607	49349	1.14	cps
Selenium	77-2	5031	5004	5024	5020	0.28	cps
Selenium	78-2	16990	16946	16486	16807	1.66	cps
Silicon	28-1	18459260	18752871	19055801	18755977	1.59	cps
Silver	107-1	3861198	3904534	3942876	3902869	1.05	cps
Silver	109-1	3554868	3783059	3767333	3701753	3.44	cps
Sodium	23-2	98447509	98321149	97701112	98156590	0.41	cps
Strontium	86-1	25105112	25277458	25851767	25411446	1.54	cps
Strontium	88-1	217384223	226264450	223432390	222360354	2.04	cps
Sulfur	34-1	358398	365166	364205	362590	1.01	cps
Terbium	159-1	6213403	6303965	6365121	6294163	1.21	cps
Terbium	159-2	4159462	4150243	4064469	4124725	1.27	cps
Thallium	203-1	2373424	2445146	2475751	2431440	2.16	cps
Thallium	205-1	5545552	5746846	5747202	5679867	2.05	cps
Tin	118-1	2392212	2411379	2415907	2406499	0.52	cps
Titanium	47-1	4396869	4530898	4491865	4473211	1.54	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV033	Instrumnet Name :	P7
Client Sample ID :	CCV033	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:33:14	DataFile Name :	119CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7051737	7291496	7301981	7215071	1.96	cps
Vanadium	51-2	1246972	1243861	1242026	1244286	0.20	cps
Yttrium	89-1	9512820	9552711	9512869	9526133	0.24	cps
Yttrium	89-2	2458912	2440850	2424417	2441393	0.71	cps
Zinc	66-2	2586243	2599111	2639885	2608413	1.07	cps
Zirconium	90-1	5452488	5539593	5582648	5524910	1.20	cps
Zirconium	91-1	1171654	1207085	1210093	1196277	1.79	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB033	Instrumnet Name :	P7
Client Sample ID :	CCB033	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:36:01	DataFile Name :	120CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2157	2174	2247	2192	2.18	cps
Antimony	121-1	2117	1973	1860	1983	6.49	cps
Arsenic	75-2	33	30	47	37	24.06	cps
Barium	135-1	513	477	477	489	4.33	cps
Barium	137-1	1057	1000	847	968	11.23	cps
Beryllium	9-1	27	23	40	30	29.40	cps
Bismuth	209-1	3628801	3545595	3583202	3585866	1.16	cps
Bismuth	209-2	2837966	2896851	2898612	2877810	1.20	cps
Bromine	81-1	6832	6835	6892	6853	0.49	cps
Bromine	81-2	57	73	93	74	24.66	cps
Cadmium	108-1	10	10	13	11	17.30	cps
Cadmium	106-1	1570	1420	1370	1453	7.16	cps
Cadmium	111-1	1182	1090	1020	1097	7.42	cps
Calcium	43-1	620	500	633	584	12.57	cps
Calcium	44-1	19616	19199	18668	19161	2.48	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	750	857	750	786	7.84	cps
Cobalt	59-2	310	277	233	273	14.06	cps
Copper	63-2	2897	2667	2927	2830	5.03	cps
Dysprosium	156-1	127	147	157	143	10.66	cps
Dysprosium	156-2	27	53	23	34	47.73	cps
Erbium	164-1	47	50	60	52	13.28	cps
Erbium	164-2	20	30	17	22	31.22	cps
Gadolinium	160-1	20	33	33	29	26.64	cps
Gadolinium	160-2	87	133	127	116	21.84	cps
Holmium	165-1	5981950	5897425	5875159	5918178	0.95	cps
Holmium	165-2	4045969	4064880	4087546	4066132	0.51	cps
Indium	115-1	5235913	5227735	5245997	5236548	0.17	cps
Indium	115-2	1821479	1832785	1815672	1823312	0.48	cps
Iron	56-2	59953	46662	45495	50703	15.84	cps
Iron	57-2	3644	3667	3660	3657	0.33	cps
Iron	54-2	3721	3284	3320	3442	7.04	cps
Krypton	83-1	193	250	240	228	13.28	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB033	Instrumnet Name :	P7
Client Sample ID :	CCB033	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:36:01	DataFile Name :	120CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1417	1290	1323	1343	4.89	cps
Lead	207-1	1337	1117	1033	1162	13.48	cps
Lead	208-1	5911	5194	5070	5392	8.41	cps
Lithium	6-1	408211	406816	404408	406478	0.47	cps
Magnesium	24-2	2977	2964	2780	2907	3.78	cps
Manganese	55-2	1510	1387	1490	1462	4.53	cps
Molybdenum	94-1	1263	1120	963	1116	13.45	cps
Molybdenum	95-1	1387	1100	1063	1183	14.96	cps
Molybdenum	96-1	1540	1323	1223	1362	11.88	cps
Molybdenum	97-1	763	633	710	702	9.31	cps
Molybdenum	98-1	2227	1797	1623	1882	16.50	cps
Neodymium	150-1	23	30	13	22	37.76	cps
Neodymium	150-2	23	17	17	19	20.36	cps
Nickel	60-2	187	203	170	187	8.93	cps
Phosphorus	31-2	120	170	140	143	17.56	cps
Potassium	39-2	88435	89052	88535	88674	0.37	cps
Rhodium	103-1	5062013	5025906	5059645	5049188	0.40	cps
Rhodium	103-2	3127835	3078621	3068971	3091809	1.02	cps
Scandium	45-1	3176049	3217516	3097991	3163852	1.92	cps
Scandium	45-2	298069	298400	298169	298213	0.06	cps
Selenium	82-1	393	357	309	353	11.89	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	380	343	373	366	5.34	cps
Silicon	28-1	265493	268236	266995	266908	0.51	cps
Silver	107-1	553	407	353	438	23.66	cps
Silver	109-1	437	333	353	374	14.64	cps
Sodium	23-2	45517	45203	43568	44763	2.34	cps
Strontium	86-1	1797	1523	1263	1528	17.46	cps
Strontium	88-1	11932	9233	7919	9694	21.10	cps
Sulfur	34-1	158801	160145	160849	159932	0.65	cps
Terbium	159-1	6034327	6061347	5982371	6026015	0.67	cps
Terbium	159-2	4049185	4004402	3972011	4008533	0.97	cps
Thallium	203-1	687	490	433	537	24.78	cps
Thallium	205-1	1523	1200	1083	1269	17.97	cps
Tin	118-1	1880	2077	1957	1971	5.03	cps
Titanium	47-1	587	533	497	539	8.40	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB033	Instrumnet Name :	P7
Client Sample ID :	CCB033	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 00:36:01	DataFile Name :	120CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	363	240	283	296	21.17	cps
Vanadium	51-2	123	167	130	140	16.67	cps
Yttrium	89-1	9282734	9114350	9220509	9205864	0.92	cps
Yttrium	89-2	2412028	2408343	2375136	2398502	0.85	cps
Zinc	66-2	933	910	860	901	4.16	cps
Zirconium	90-1	1373	1207	1113	1231	10.70	cps
Zirconium	91-1	347	217	220	261	28.38	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-15DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:39:17	DataFile Name :	121SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2828186	2790941	2802612	2807246	0.68	cps
Antimony	121-1	119115	121377	123206	121233	1.69	cps
Arsenic	75-2	35228	34650	33317	34399	2.85	cps
Barium	135-1	922838	939846	963623	942102	2.17	cps
Barium	137-1	1773237	1809418	1821751	1801469	1.40	cps
Beryllium	9-1	6278	6481	6278	6346	1.85	cps
Bismuth	209-1	3623993	3665097	3610487	3633192	0.78	cps
Bismuth	209-2	2920569	2927791	2946729	2931696	0.46	cps
Bromine	81-1	7876	7365	7295	7512	4.22	cps
Bromine	81-2	193	200	157	183	12.73	cps
Cadmium	108-1	1393	1497	1347	1412	5.44	cps
Cadmium	106-1	3380	3430	3407	3406	0.73	cps
Cadmium	111-1	20360	20269	21510	20713	3.34	cps
Calcium	43-1	93899	95260	96998	95385	1.63	cps
Calcium	44-1	1498197	1496299	1562201	1518899	2.47	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	254982	254711	252870	254188	0.45	cps
Cobalt	59-2	439289	442420	441667	441125	0.37	cps
Copper	63-2	2898813	2895625	2879473	2891304	0.36	cps
Dysprosium	156-1	16423	16223	17331	16659	3.54	cps
Dysprosium	156-2	15258	15492	15575	15442	1.06	cps
Erbium	164-1	9814	9523	9880	9739	1.95	cps
Erbium	164-2	6278	6445	6398	6374	1.35	cps
Gadolinium	160-1	13346	13673	13510	13510	1.21	cps
Gadolinium	160-2	9860	9824	9807	9830	0.28	cps
Holmium	165-1	5972591	5984066	5993159	5983272	0.17	cps
Holmium	165-2	4065128	4070637	4036362	4057375	0.45	cps
Indium	115-1	5222420	5208205	5247598	5226074	0.38	cps
Indium	115-2	1814707	1810703	1791621	1805677	0.68	cps
Iron	56-2	48513681	48344708	48272306	48376898	0.26	cps
Iron	57-2	1230235	1216634	1218212	1221694	0.61	cps
Iron	54-2	2719765	2695394	2705815	2706991	0.45	cps
Krypton	83-1	250	190	260	233	16.23	cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-15DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:39:17	DataFile Name :	121SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	684145	689984	702011	692047	1.32	cps
Lead	207-1	592917	610451	608953	604107	1.61	cps
Lead	208-1	2695982	2747549	2777069	2740200	1.50	cps
Lithium	6-1	407395	409964	408960	408773	0.32	cps
Magnesium	24-2	1314285	1301753	1292683	1302907	0.83	cps
Manganese	55-2	1233567	1225287	1229068	1229307	0.34	cps
Molybdenum	94-1	49510	51326	53580	51472	3.96	cps
Molybdenum	95-1	2840	2830	2794	2821	0.87	cps
Molybdenum	96-1	11535	11768	11725	11676	1.06	cps
Molybdenum	97-1	1887	1740	1703	1777	5.46	cps
Molybdenum	98-1	4824	4814	4714	4784	1.27	cps
Neodymium	150-1	39676	40361	40963	40333	1.60	cps
Neodymium	150-2	23386	23172	22765	23108	1.37	cps
Nickel	60-2	158899	158963	158394	158752	0.20	cps
Phosphorus	31-2	10917	10937	11151	11002	1.18	cps
Potassium	39-2	694088	694332	690993	693138	0.27	cps
Rhodium	103-1	5055241	5011571	5091857	5052890	0.80	cps
Rhodium	103-2	3094078	3104886	3081884	3093616	0.37	cps
Scandium	45-1	3254359	3218735	3275156	3249417	0.88	cps
Scandium	45-2	309371	307552	305448	307457	0.64	cps
Selenium	82-1	1517	1636	1675	1609	5.12	cps
Selenium	77-2	203	233	170	202	15.67	cps
Selenium	78-2	760	930	747	812	12.59	cps
Silicon	28-1	4358137	4362524	4497510	4406057	1.80	cps
Silver	107-1	70276	72537	73525	72113	2.31	cps
Silver	109-1	66144	67744	68407	67432	1.73	cps
Sodium	23-2	132888	133059	131620	132523	0.59	cps
Strontium	86-1	159987	163334	167176	163499	2.20	cps
Strontium	88-1	1442986	1492812	1558566	1498121	3.87	cps
Sulfur	34-1	158516	154623	152098	155079	2.08	cps
Terbium	159-1	6277038	6284681	6307757	6289826	0.25	cps
Terbium	159-2	4053541	4023761	4037430	4038244	0.37	cps
Thallium	203-1	37712	38839	39360	38637	2.18	cps
Thallium	205-1	88663	90868	92502	90678	2.12	cps
Tin	118-1	29634	29808	30516	29986	1.56	cps
Titanium	47-1	434956	444411	449405	442924	1.66	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-15DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:39:17	DataFile Name :	121SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7289	7462	7666	7472	2.52	cps
Vanadium	51-2	313640	315056	314502	314399	0.23	cps
Yttrium	89-1	9447938	9523155	9682295	9551130	1.25	cps
Yttrium	89-2	2466835	2416103	2467927	2450288	1.21	cps
Zinc	66-2	309329	307995	309119	308814	0.23	cps
Zirconium	90-1	133253	135459	139318	136010	2.26	cps
Zirconium	91-1	29423	30629	30936	30329	2.64	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:42:28	DataFile Name :	122SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2830324	2845971	2793134	2823143	0.96	cps
Antimony	121-1	421465	431200	431413	428026	1.33	cps
Arsenic	75-2	39984	41020	41545	40850	1.94	cps
Barium	135-1	2462458	2546409	2538670	2515846	1.84	cps
Barium	137-1	4249210	4346107	4306125	4300481	1.13	cps
Beryllium	9-1	21201	21144	21251	21199	0.25	cps
Bismuth	209-1	3572213	3510235	3517353	3533267	0.96	cps
Bismuth	209-2	2850120	2927957	2892035	2890038	1.35	cps
Bromine	81-1	7042	7215	7322	7193	1.97	cps
Bromine	81-2	173	190	147	170	12.86	cps
Cadmium	108-1	3901	4067	3874	3947	2.66	cps
Cadmium	106-1	6945	7078	6848	6957	1.66	cps
Cadmium	111-1	57507	58728	59432	58555	1.66	cps
Calcium	43-1	88882	90401	90559	89947	1.03	cps
Calcium	44-1	1403270	1430237	1421867	1418458	0.97	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	544152	547760	539604	543839	0.75	cps
Cobalt	59-2	1569717	1575180	1570848	1571915	0.18	cps
Copper	63-2	3179915	3211644	3185543	3192367	0.53	cps
Dysprosium	156-1	15258	14865	15739	15287	2.86	cps
Dysprosium	156-2	14137	14674	14815	14542	2.46	cps
Erbium	164-1	9086	8846	9220	9051	2.09	cps
Erbium	164-2	5971	6125	6111	6069	1.40	cps
Gadolinium	160-1	12689	12896	13066	12884	1.47	cps
Gadolinium	160-2	9090	9313	8976	9126	1.88	cps
Holmium	165-1	5884634	5907318	5819724	5870559	0.77	cps
Holmium	165-2	4043605	4120849	4000714	4055056	1.50	cps
Indium	115-1	5168747	5190600	5159554	5172967	0.31	cps
Indium	115-2	1803914	1792961	1802851	1799909	0.34	cps
Iron	56-2	46808199	47347249	47468453	47207967	0.74	cps
Iron	57-2	1194291	1197180	1192627	1194700	0.19	cps
Iron	54-2	2665044	2692199	2642681	2666641	0.93	cps
Krypton	83-1	267	253	260	260	2.56	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:42:28	DataFile Name :	122SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	674440	685285	681483	680403	0.81	cps
Lead	207-1	592473	597015	599119	596202	0.57	cps
Lead	208-1	2668778	2696779	2709151	2691570	0.77	cps
Lithium	6-1	389369	379157	370363	379629	2.51	cps
Magnesium	24-2	1243331	1272895	1266050	1260759	1.23	cps
Manganese	55-2	1706006	1704592	1681888	1697495	0.80	cps
Molybdenum	94-1	47069	48821	49216	48369	2.36	cps
Molybdenum	95-1	2480	2627	2644	2584	3.48	cps
Molybdenum	96-1	10777	10787	10814	10793	0.18	cps
Molybdenum	97-1	1663	1560	1653	1626	3.51	cps
Molybdenum	98-1	4187	4367	4141	4232	2.83	cps
Neodymium	150-1	37894	37817	38766	38159	1.38	cps
Neodymium	150-2	22114	22021	21794	21976	0.75	cps
Nickel	60-2	437686	439993	433726	437135	0.73	cps
Phosphorus	31-2	10744	10670	10470	10628	1.33	cps
Potassium	39-2	673173	669134	667424	669910	0.44	cps
Rhodium	103-1	5032029	5048819	5105437	5062095	0.76	cps
Rhodium	103-2	3068796	3064831	3043742	3059123	0.44	cps
Scandium	45-1	3257526	3231923	3228798	3239415	0.49	cps
Scandium	45-2	310888	308935	307461	309094	0.56	cps
Selenium	82-1	13141	13163	13466	13256	1.37	cps
Selenium	77-2	1383	1267	1360	1337	4.62	cps
Selenium	78-2	4841	4691	4778	4770	1.58	cps
Silicon	28-1	4032570	4074819	4144825	4084072	1.39	cps
Silver	107-1	205248	208139	210426	207938	1.25	cps
Silver	109-1	195444	198572	198339	197452	0.88	cps
Sodium	23-2	131802	131560	131009	131457	0.31	cps
Strontium	86-1	153206	155167	157652	155341	1.43	cps
Strontium	88-1	1350104	1422567	1369951	1380874	2.71	cps
Sulfur	34-1	145064	143261	141498	143274	1.24	cps
Terbium	159-1	6172188	6203151	6126541	6167293	0.62	cps
Terbium	159-2	3973194	4022615	4007894	4001235	0.63	cps
Thallium	203-1	148668	149683	149936	149429	0.45	cps
Thallium	205-1	346521	350046	350419	348995	0.62	cps
Tin	118-1	27820	28856	28378	28351	1.83	cps
Titanium	47-1	403804	420411	422744	415653	2.48	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBE6SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:42:28	DataFile Name :	122SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6802	6805	6815	6807	0.10	cps
Vanadium	51-2	964668	961998	957118	961261	0.40	cps
Yttrium	89-1	9385306	9527915	9387197	9433473	0.87	cps
Yttrium	89-2	2466101	2442741	2459434	2456092	0.49	cps
Zinc	66-2	425934	426444	423378	425252	0.39	cps
Zirconium	90-1	125074	127824	131308	128069	2.44	cps
Zirconium	91-1	27636	28555	28949	28380	2.37	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:45:33	DataFile Name :	123SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3058548	3039115	3093070	3063578	0.89	cps
Antimony	121-1	4374	4614	4374	4454	3.11	cps
Arsenic	75-2	19506	19633	19533	19557	0.34	cps
Barium	135-1	526915	540238	543298	536817	1.62	cps
Barium	137-1	914732	935981	926256	925656	1.15	cps
Beryllium	9-1	677	573	633	628	8.27	cps
Bismuth	209-1	3409359	3518268	3464428	3464019	1.57	cps
Bismuth	209-2	2832097	2786935	2811514	2810182	0.80	cps
Bromine	81-1	7265	7312	7329	7302	0.45	cps
Bromine	81-2	227	270	263	253	9.21	cps
Cadmium	108-1	333	390	343	356	8.51	cps
Cadmium	106-1	1793	1897	1837	1842	2.82	cps
Cadmium	111-1	4519	4629	4939	4696	4.64	cps
Calcium	43-1	128261	128805	131734	129600	1.44	cps
Calcium	44-1	2041667	2060834	2053135	2051879	0.47	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	134847	135724	136394	135655	0.57	cps
Cobalt	59-2	55178	54331	56011	55173	1.52	cps
Copper	63-2	1410740	1393735	1398540	1401005	0.63	cps
Dysprosium	156-1	17661	18329	18415	18135	2.28	cps
Dysprosium	156-2	16820	15926	17107	16618	3.71	cps
Erbium	164-1	11395	11868	11708	11657	2.07	cps
Erbium	164-2	7669	7956	7739	7788	1.92	cps
Gadolinium	160-1	15862	15559	15642	15688	1.00	cps
Gadolinium	160-2	11098	11275	11401	11258	1.35	cps
Holmium	165-1	5820105	5895423	5818447	5844659	0.75	cps
Holmium	165-2	4033445	3946346	3972157	3983983	1.12	cps
Indium	115-1	5068618	5256601	5135014	5153411	1.85	cps
Indium	115-2	1825494	1825250	1778393	1809712	1.50	cps
Iron	56-2	51831203	51869021	52098796	51933006	0.28	cps
Iron	57-2	1323141	1313511	1310929	1315860	0.49	cps
Iron	54-2	2927407	2897149	2906824	2910460	0.53	cps
Krypton	83-1	213	240	260	238	9.85	cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:45:33	DataFile Name :	123SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	333426	341307	342463	339065	1.45	cps
Lead	207-1	290597	299669	296119	295462	1.55	cps
Lead	208-1	1313227	1349221	1342426	1334958	1.43	cps
Lithium	6-1	363827	367986	376992	369602	1.82	cps
Magnesium	24-2	1408414	1432747	1431846	1424335	0.97	cps
Manganese	55-2	1073984	1076074	1077944	1076001	0.18	cps
Molybdenum	94-1	50434	52022	52353	51603	1.99	cps
Molybdenum	95-1	1400	1683	1633	1572	9.62	cps
Molybdenum	96-1	10347	10180	10514	10347	1.61	cps
Molybdenum	97-1	803	1007	917	909	11.21	cps
Molybdenum	98-1	2350	2374	2397	2374	0.98	cps
Neodymium	150-1	43453	43320	42808	43194	0.79	cps
Neodymium	150-2	24762	25022	25343	25042	1.16	cps
Nickel	60-2	58577	59451	59608	59212	0.94	cps
Phosphorus	31-2	8029	7865	8402	8099	3.40	cps
Potassium	39-2	687043	685032	682627	684901	0.32	cps
Rhodium	103-1	4962954	5004676	4937373	4968335	0.68	cps
Rhodium	103-2	3076902	3044917	2992545	3038121	1.40	cps
Scandium	45-1	3257260	3207370	3192768	3219133	1.05	cps
Scandium	45-2	311705	310335	309816	310619	0.31	cps
Selenium	82-1	447	446	440	445	0.89	cps
Selenium	77-2	87	107	87	93	12.37	cps
Selenium	78-2	360	440	460	420	12.60	cps
Silicon	28-1	5421364	5639689	5791381	5617478	3.31	cps
Silver	107-1	8259	8039	8366	8221	2.03	cps
Silver	109-1	7882	7372	7652	7635	3.35	cps
Sodium	23-2	80801	81755	80968	81175	0.63	cps
Strontium	86-1	129102	131018	132504	130875	1.30	cps
Strontium	88-1	1124395	1141732	1152325	1139484	1.24	cps
Sulfur	34-1	133638	131876	130545	132020	1.18	cps
Terbium	159-1	6016939	6085287	6069196	6057141	0.59	cps
Terbium	159-2	3988329	3972744	4003144	3988072	0.38	cps
Thallium	203-1	617	693	637	649	6.13	cps
Thallium	205-1	1810	1647	1743	1733	4.74	cps
Tin	118-1	29203	29126	30716	29682	3.02	cps
Titanium	47-1	390082	401181	401293	397519	1.62	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:45:33	DataFile Name :	123SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	5455	5681	5558	5565	2.04	cps
Vanadium	51-2	102592	102549	103183	102775	0.34	cps
Yttrium	89-1	9333400	9505810	9422197	9420469	0.92	cps
Yttrium	89-2	2486136	2436057	2468791	2463661	1.03	cps
Zinc	66-2	162137	162184	162282	162201	0.05	cps
Zirconium	90-1	135810	139291	141224	138775	1.98	cps
Zirconium	91-1	29637	30492	31130	30419	2.46	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-03DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:48:45	DataFile Name :	124SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3023264	3050554	3025634	3033151	0.50	cps
Antimony	121-1	4094	4287	4407	4263	3.71	cps
Arsenic	75-2	18852	19006	18912	18923	0.41	cps
Barium	135-1	517664	529289	528413	525122	1.23	cps
Barium	137-1	890482	908083	912128	903564	1.27	cps
Beryllium	9-1	597	563	623	594	5.06	cps
Bismuth	209-1	3483700	3502909	3508758	3498456	0.37	cps
Bismuth	209-2	2788933	2830848	2822419	2814067	0.79	cps
Bromine	81-1	7292	7032	7365	7230	2.42	cps
Bromine	81-2	233	310	230	258	17.56	cps
Cadmium	108-1	337	373	360	357	5.20	cps
Cadmium	106-1	1840	1933	1907	1893	2.54	cps
Cadmium	111-1	4846	4786	4547	4726	3.35	cps
Calcium	43-1	125330	130106	127948	127795	1.87	cps
Calcium	44-1	1994861	2059227	2044193	2032760	1.66	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	131652	132890	133716	132753	0.78	cps
Cobalt	59-2	53759	53294	53729	53594	0.49	cps
Copper	63-2	1374011	1370980	1364630	1369874	0.35	cps
Dysprosium	156-1	17211	17848	18636	17898	3.99	cps
Dysprosium	156-2	16630	16376	17017	16674	1.94	cps
Erbium	164-1	11021	11295	11585	11300	2.49	cps
Erbium	164-2	7726	7912	7489	7709	2.75	cps
Gadolinium	160-1	15232	15242	15525	15333	1.09	cps
Gadolinium	160-2	10998	11128	10998	11041	0.68	cps
Holmium	165-1	5805274	5776089	5753823	5778396	0.45	cps
Holmium	165-2	4063317	3998579	3989257	4017051	1.00	cps
Indium	115-1	5194331	5112833	5236628	5181264	1.21	cps
Indium	115-2	1798572	1795065	1820148	1804595	0.75	cps
Iron	56-2	51796784	51435004	51207644	51479811	0.58	cps
Iron	57-2	1311374	1311505	1304801	1309227	0.29	cps
Iron	54-2	2893452	2902990	2868989	2888477	0.61	cps
Krypton	83-1	193	287	240	240	19.44	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-03DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:48:45	DataFile Name :	124SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	321412	326062	333600	327025	1.88	cps
Lead	207-1	278982	284724	288520	284075	1.69	cps
Lead	208-1	1272894	1294715	1309996	1292535	1.44	cps
Lithium	6-1	359319	358938	353149	357135	0.97	cps
Magnesium	24-2	1412526	1389382	1421152	1407687	1.17	cps
Manganese	55-2	1043511	1045919	1045743	1045058	0.13	cps
Molybdenum	94-1	50667	51079	50450	50732	0.63	cps
Molybdenum	95-1	1517	1380	1680	1526	9.85	cps
Molybdenum	96-1	10187	10334	10200	10240	0.79	cps
Molybdenum	97-1	1040	1000	937	992	5.25	cps
Molybdenum	98-1	2277	2277	2374	2309	2.42	cps
Neodymium	150-1	41601	42741	42387	42243	1.38	cps
Neodymium	150-2	24855	24535	24595	24662	0.69	cps
Nickel	60-2	57343	57988	57329	57553	0.65	cps
Phosphorus	31-2	7869	7722	8056	7882	2.12	cps
Potassium	39-2	668547	672801	669936	670428	0.32	cps
Rhodium	103-1	5038240	5016449	5028643	5027777	0.22	cps
Rhodium	103-2	3048567	3028056	3059637	3045420	0.53	cps
Scandium	45-1	3221398	3248641	3199677	3223239	0.76	cps
Scandium	45-2	312221	313554	311095	312290	0.39	cps
Selenium	82-1	465	379	424	423	10.17	cps
Selenium	77-2	87	57	77	73	20.83	cps
Selenium	78-2	417	477	433	442	7.00	cps
Silicon	28-1	5499903	5520341	5470000	5496748	0.46	cps
Silver	107-1	7819	7715	8182	7906	3.10	cps
Silver	109-1	7325	7189	7542	7352	2.42	cps
Sodium	23-2	80951	81722	80120	80931	0.99	cps
Strontium	86-1	125723	128334	128234	127430	1.16	cps
Strontium	88-1	1081707	1115870	1122497	1106691	1.98	cps
Sulfur	34-1	128458	127456	126874	127596	0.63	cps
Terbium	159-1	6045368	5983366	6021314	6016683	0.52	cps
Terbium	159-2	4030614	4057315	3958117	4015349	1.28	cps
Thallium	203-1	567	633	667	622	8.18	cps
Thallium	205-1	1377	1597	1527	1500	7.49	cps
Tin	118-1	31782	32386	32350	32173	1.05	cps
Titanium	47-1	386979	394829	401136	394315	1.80	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-03DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5D	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:48:45	DataFile Name :	124SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	5398	5755	5565	5572	3.20	cps
Vanadium	51-2	99596	100996	100469	100354	0.70	cps
Yttrium	89-1	9595618	9406694	9428636	9476983	1.09	cps
Yttrium	89-2	2478719	2439920	2483577	2467405	0.97	cps
Zinc	66-2	160463	160396	159721	160194	0.26	cps
Zirconium	90-1	134262	138703	141843	138269	2.75	cps
Zirconium	91-1	30024	31654	32092	31257	3.49	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBF5L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 00:51:55	DataFile Name :	125SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	619898	617429	609379	615568	0.89	cps
Antimony	121-1	920	987	1003	970	4.55	cps
Arsenic	75-2	3847	3887	3707	3814	2.48	cps
Barium	135-1	105013	106676	107257	106315	1.10	cps
Barium	137-1	177849	184975	184908	182577	2.24	cps
Beryllium	9-1	140	123	137	133	6.61	cps
Bismuth	209-1	3490734	3523617	3255184	3423178	4.28	cps
Bismuth	209-2	2875636	2842857	2873305	2863932	0.64	cps
Bromine	81-1	7112	6848	6758	6906	2.66	cps
Bromine	81-2	137	90	117	114	20.46	cps
Cadmium	108-1	113	80	60	84	31.90	cps
Cadmium	106-1	1570	1340	1357	1422	9.02	cps
Cadmium	111-1	1676	1532	1658	1622	4.84	cps
Calcium	43-1	25986	25562	26583	26044	1.97	cps
Calcium	44-1	437164	444361	446357	442627	1.09	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	27442	27462	26961	27288	1.04	cps
Cobalt	59-2	10861	11001	11401	11087	2.53	cps
Copper	63-2	283011	284899	281429	283113	0.61	cps
Dysprosium	156-1	3794	3727	3764	3762	0.89	cps
Dysprosium	156-2	3237	3350	3290	3293	1.72	cps
Erbium	164-1	2337	2410	2217	2321	4.21	cps
Erbium	164-2	1540	1520	1610	1557	3.04	cps
Gadolinium	160-1	3250	3194	3080	3175	2.73	cps
Gadolinium	160-2	2254	2490	2280	2341	5.54	cps
Holmium	165-1	5901256	5857031	5596744	5785010	2.84	cps
Holmium	165-2	4032511	4090977	3995719	4039736	1.19	cps
Indium	115-1	5269256	5300001	4917548	5162268	4.12	cps
Indium	115-2	1820941	1836172	1821019	1826044	0.48	cps
Iron	56-2	10533093	10409455	10378526	10440358	0.78	cps
Iron	57-2	266948	266395	264537	265960	0.47	cps
Iron	54-2	591371	591162	585792	589442	0.54	cps
Krypton	83-1	230	223	297	250	16.22	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBF5L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 00:51:55	DataFile Name :	125SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	66180	67386	68387	67318	1.64	cps
Lead	207-1	57762	59095	59111	58656	1.32	cps
Lead	208-1	263078	267208	268348	266211	1.04	cps
Lithium	6-1	362507	361777	335999	353428	4.27	cps
Magnesium	24-2	289966	290018	286214	288733	0.76	cps
Manganese	55-2	216576	214103	213247	214642	0.81	cps
Molybdenum	94-1	10067	10504	10851	10474	3.75	cps
Molybdenum	95-1	450	410	433	431	4.66	cps
Molybdenum	96-1	2217	2420	2164	2267	5.98	cps
Molybdenum	97-1	310	273	260	281	9.21	cps
Molybdenum	98-1	710	710	710	710	0.00	cps
Neodymium	150-1	8433	8803	8816	8684	2.51	cps
Neodymium	150-2	4901	4784	4984	4890	2.06	cps
Nickel	60-2	12002	11972	11658	11877	1.60	cps
Phosphorus	31-2	1650	1637	1723	1670	2.79	cps
Potassium	39-2	205200	205812	204991	205334	0.21	cps
Rhodium	103-1	5098665	5050486	4794066	4981072	3.29	cps
Rhodium	103-2	3062550	3045391	3087850	3065264	0.70	cps
Scandium	45-1	3256335	3238986	3024417	3173246	4.07	cps
Scandium	45-2	310846	310287	310245	310459	0.11	cps
Selenium	82-1	382	394	284	353	17.17	cps
Selenium	77-2	13	7	10	10	33.30	cps
Selenium	78-2	353	373	380	369	3.76	cps
Silicon	28-1	1346529	1362444	1388477	1365816	1.55	cps
Silver	107-1	1690	1453	1790	1645	10.51	cps
Silver	109-1	1460	1537	1470	1489	2.80	cps
Sodium	23-2	49800	49974	49406	49727	0.59	cps
Strontium	86-1	26193	26340	27008	26514	1.64	cps
Strontium	88-1	224474	227442	231021	227646	1.44	cps
Sulfur	34-1	125980	126828	125550	126119	0.52	cps
Terbium	159-1	6076669	6056352	5672701	5935241	3.83	cps
Terbium	159-2	4006430	3983184	4075567	4021727	1.19	cps
Thallium	203-1	173	207	227	202	13.32	cps
Thallium	205-1	497	490	477	488	2.09	cps
Tin	118-1	6688	6898	6888	6825	1.74	cps
Titanium	47-1	77393	79786	80701	79293	2.15	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYDBF5L	Dilution Factor :	20
Date & Time Acquired :	2024-10-30 00:51:55	DataFile Name :	125SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1040	1163	1203	1136	7.50	cps
Vanadium	51-2	20671	20187	20437	20432	1.18	cps
Yttrium	89-1	9375101	9434668	8801270	9203680	3.80	cps
Yttrium	89-2	2427824	2483789	2460722	2457445	1.14	cps
Zinc	66-2	32509	33200	32662	32790	1.11	cps
Zirconium	90-1	27332	27984	28034	27783	1.41	cps
Zirconium	91-1	5895	6285	6155	6111	3.25	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-04DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:55:12	DataFile Name :	126SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3183820	3143634	3164673	3164042	0.64	cps
Antimony	121-1	116843	119542	118312	118232	1.14	cps
Arsenic	75-2	22681	22748	22400	22610	0.81	cps
Barium	135-1	1005733	1012780	1029580	1016031	1.21	cps
Barium	137-1	1935082	1869128	1901045	1901751	1.73	cps
Beryllium	9-1	5768	5915	5531	5738	3.37	cps
Bismuth	209-1	3552421	3520579	3527488	3533496	0.47	cps
Bismuth	209-2	2792450	2852701	2895929	2847026	1.83	cps
Bromine	81-1	7502	7409	7445	7452	0.63	cps
Bromine	81-2	253	257	203	238	12.56	cps
Cadmium	108-1	1277	1377	1283	1312	4.26	cps
Cadmium	106-1	3250	3410	3134	3265	4.26	cps
Cadmium	111-1	18408	18691	18769	18623	1.02	cps
Calcium	43-1	130199	132883	133021	132034	1.20	cps
Calcium	44-1	2101872	2094740	2151500	2116037	1.46	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	239672	238058	237667	238466	0.45	cps
Cobalt	59-2	422465	427918	428001	426128	0.74	cps
Copper	63-2	1614871	1644271	1647408	1635517	1.10	cps
Dysprosium	156-1	18149	18642	18786	18526	1.81	cps
Dysprosium	156-2	16610	16600	17217	16809	2.10	cps
Erbium	164-1	11798	11815	12055	11890	1.21	cps
Erbium	164-2	7822	8233	8106	8054	2.61	cps
Gadolinium	160-1	15889	15996	15919	15935	0.35	cps
Gadolinium	160-2	11605	11818	11642	11688	0.98	cps
Holmium	165-1	5879735	5968797	5918547	5922359	0.75	cps
Holmium	165-2	4024733	4113509	4011503	4049915	1.37	cps
Indium	115-1	5242561	5212180	5276162	5243634	0.61	cps
Indium	115-2	1794753	1838375	1815088	1816072	1.20	cps
Iron	56-2	53135589	53249888	53019103	53134860	0.22	cps
Iron	57-2	1318155	1354556	1341734	1338148	1.38	cps
Iron	54-2	3058224	2989065	2971358	3006216	1.53	cps
Krypton	83-1	250	247	280	259	7.09	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-04DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:55:12	DataFile Name :	126SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	354085	361973	354692	356916	1.23	cps
Lead	207-1	306702	308766	307874	307781	0.34	cps
Lead	208-1	1392013	1410328	1404930	1402424	0.67	cps
Lithium	6-1	375839	370427	373771	373346	0.73	cps
Magnesium	24-2	1466245	1447787	1454195	1456076	0.64	cps
Manganese	55-2	1270869	1261082	1253095	1261682	0.71	cps
Molybdenum	94-1	52357	52852	53591	52933	1.17	cps
Molybdenum	95-1	1547	1643	1537	1576	3.74	cps
Molybdenum	96-1	10657	10737	10717	10704	0.39	cps
Molybdenum	97-1	890	963	837	897	7.09	cps
Molybdenum	98-1	2604	2484	2460	2516	3.06	cps
Neodymium	150-1	43524	44417	44146	44029	1.04	cps
Neodymium	150-2	25961	25266	25640	25622	1.36	cps
Nickel	60-2	159172	155771	153481	156141	1.83	cps
Phosphorus	31-2	8186	8356	8122	8221	1.47	cps
Potassium	39-2	690824	686208	687823	688285	0.34	cps
Rhodium	103-1	5141053	5061276	5060627	5087652	0.91	cps
Rhodium	103-2	3075147	3013038	3083060	3057082	1.25	cps
Scandium	45-1	3306968	3261464	3271947	3280126	0.73	cps
Scandium	45-2	320158	311129	313399	314895	1.49	cps
Selenium	82-1	2368	2608	2529	2501	4.90	cps
Selenium	77-2	333	293	300	309	6.94	cps
Selenium	78-2	1197	1100	1223	1173	5.53	cps
Silicon	28-1	5235836	5335760	5275992	5282529	0.95	cps
Silver	107-1	61162	63314	62902	62459	1.83	cps
Silver	109-1	57196	58966	59605	58589	2.13	cps
Sodium	23-2	79913	79229	79417	79520	0.44	cps
Strontium	86-1	130218	133079	132847	132048	1.20	cps
Strontium	88-1	1147317	1172658	1169970	1163315	1.20	cps
Sulfur	34-1	132975	132784	132182	132647	0.31	cps
Terbium	159-1	5979216	6087372	6089231	6051940	1.04	cps
Terbium	159-2	4066760	3999050	4039120	4034977	0.84	cps
Thallium	203-1	40029	41276	40905	40736	1.57	cps
Thallium	205-1	95586	96953	96526	96355	0.73	cps
Tin	118-1	32199	32002	32630	32277	1.00	cps
Titanium	47-1	397774	408298	406858	404310	1.41	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-04DLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5S	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:55:12	DataFile Name :	126SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	5885	5791	5925	5867	1.17	cps
Vanadium	51-2	320567	327306	324509	324127	1.04	cps
Yttrium	89-1	9532252	9680568	9476255	9563025	1.10	cps
Yttrium	89-2	2491337	2441599	2485028	2472655	1.10	cps
Zinc	66-2	206300	205549	208878	206909	0.84	cps
Zirconium	90-1	141113	144003	143474	142863	1.08	cps
Zirconium	91-1	31891	32139	31380	31803	1.22	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:58:20	DataFile Name :	127SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3166498	3156421	3155359	3159426	0.19	cps
Antimony	121-1	425251	429389	427894	427511	0.49	cps
Arsenic	75-2	29449	29015	29075	29180	0.81	cps
Barium	135-1	2682477	2719733	2755422	2719211	1.34	cps
Barium	137-1	4664547	4721996	4735354	4707299	0.80	cps
Beryllium	9-1	22209	22593	22456	22420	0.87	cps
Bismuth	209-1	3277536	3465531	3569820	3437629	4.31	cps
Bismuth	209-2	3058989	3027168	2866597	2984252	3.46	cps
Bromine	81-1	7569	7769	7319	7552	2.99	cps
Bromine	81-2	230	230	210	223	5.17	cps
Cadmium	108-1	3614	3771	3921	3768	4.07	cps
Cadmium	106-1	6875	6838	6638	6784	1.88	cps
Cadmium	111-1	55775	57142	55957	56291	1.32	cps
Calcium	43-1	127323	129000	129356	128560	0.84	cps
Calcium	44-1	2011949	1996104	2107005	2038353	2.94	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	547648	545635	551564	548282	0.55	cps
Cobalt	59-2	1653222	1647257	1638850	1646443	0.44	cps
Copper	63-2	1974395	1953898	1984734	1971009	0.80	cps
Dysprosium	156-1	17451	17925	18152	17843	2.00	cps
Dysprosium	156-2	16169	16416	16834	16473	2.04	cps
Erbium	164-1	11478	11698	11425	11534	1.26	cps
Erbium	164-2	7399	7465	7489	7451	0.63	cps
Gadolinium	160-1	15275	15318	15158	15251	0.54	cps
Gadolinium	160-2	11031	10894	10971	10965	0.63	cps
Holmium	165-1	5452857	5932119	6009839	5798272	5.20	cps
Holmium	165-2	4365274	4246493	4082322	4231363	3.36	cps
Indium	115-1	4761703	5293689	5214131	5089841	5.64	cps
Indium	115-2	1987743	1925344	1816922	1910003	4.53	cps
Iron	56-2	51621681	51984896	52487281	52031286	0.84	cps
Iron	57-2	1307096	1309314	1310504	1308971	0.13	cps
Iron	54-2	2905683	2901469	2942057	2916403	0.77	cps
Krypton	83-1	237	270	237	248	7.77	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:58:20	DataFile Name :	127SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	373193	380503	381566	378421	1.20	cps
Lead	207-1	324703	325683	326865	325751	0.33	cps
Lead	208-1	1482809	1485484	1493792	1487362	0.39	cps
Lithium	6-1	355212	386740	391580	377844	5.23	cps
Magnesium	24-2	1362949	1386466	1378031	1375815	0.87	cps
Manganese	55-2	1767139	1768813	1753412	1763121	0.48	cps
Molybdenum	94-1	50126	50467	50620	50404	0.50	cps
Molybdenum	95-1	1587	1573	1697	1619	4.18	cps
Molybdenum	96-1	10254	10230	10387	10290	0.82	cps
Molybdenum	97-1	893	1050	990	978	8.08	cps
Molybdenum	98-1	2234	2460	2440	2378	5.28	cps
Neodymium	150-1	41845	42574	42919	42446	1.29	cps
Neodymium	150-2	24578	23827	24752	24386	2.02	cps
Nickel	60-2	452686	453302	452043	452677	0.14	cps
Phosphorus	31-2	8046	7395	7932	7791	4.46	cps
Potassium	39-2	659295	654725	665910	659977	0.85	cps
Rhodium	103-1	4640530	5058294	5128649	4942491	5.34	cps
Rhodium	103-2	3321777	3292074	3118571	3244141	3.38	cps
Scandium	45-1	2972580	3276627	3340349	3196519	6.15	cps
Scandium	45-2	337314	333293	314707	328438	3.67	cps
Selenium	82-1	8345	8358	8449	8384	0.67	cps
Selenium	77-2	910	897	800	869	6.91	cps
Selenium	78-2	3240	2970	3180	3130	4.53	cps
Silicon	28-1	5121581	5093744	5216291	5143872	1.25	cps
Silver	107-1	230870	237789	237170	235276	1.63	cps
Silver	109-1	217508	223932	225705	222382	1.94	cps
Sodium	23-2	77775	76546	77705	77342	0.89	cps
Strontium	86-1	126378	127524	128725	127542	0.92	cps
Strontium	88-1	1096617	1116611	1123655	1112294	1.26	cps
Sulfur	34-1	132236	131604	129624	131155	1.04	cps
Terbium	159-1	5652666	6213027	6026572	5964088	4.78	cps
Terbium	159-2	4327385	4243884	4040153	4203807	3.51	cps
Thallium	203-1	147021	151522	151409	149984	1.71	cps
Thallium	205-1	350553	354281	357438	354090	0.97	cps
Tin	118-1	30582	29995	30412	30330	1.00	cps
Titanium	47-1	380278	389430	391087	386931	1.50	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4333-02MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYDBF5SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-30 00:58:20	DataFile Name :	127SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	5294	5481	5605	5460	2.86	cps
Vanadium	51-2	1023229	1019357	1024786	1022457	0.27	cps
Yttrium	89-1	8767444	9501066	9583457	9283989	4.84	cps
Yttrium	89-2	2719451	2687564	2488794	2631936	4.75	cps
Zinc	66-2	338021	334813	337180	336671	0.49	cps
Zirconium	90-1	134104	136529	137587	136073	1.31	cps
Zirconium	91-1	29884	30869	30161	30305	1.68	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164281BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD281	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:01:28	DataFile Name :	128LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4161	4281	4257	4233	1.50	cps
Antimony	121-1	10647	11475	11558	11227	4.48	cps
Arsenic	75-2	397	333	427	386	12.36	cps
Barium	135-1	12702	12959	12839	12834	1.00	cps
Barium	137-1	21757	22672	22565	22331	2.24	cps
Beryllium	9-1	487	533	580	533	8.75	cps
Bismuth	209-1	3286902	3085067	3356767	3242912	4.35	cps
Bismuth	209-2	2773589	2784417	2814740	2790915	0.76	cps
Bromine	81-1	6758	6978	6758	6832	1.86	cps
Bromine	81-2	73	33	47	51	39.85	cps
Cadmium	108-1	127	150	137	138	8.50	cps
Cadmium	106-1	1453	1397	1567	1472	5.88	cps
Cadmium	111-1	2656	2509	2628	2598	2.99	cps
Calcium	43-1	7702	7919	8236	7952	3.37	cps
Calcium	44-1	138973	141826	143740	141513	1.70	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6935	6608	6715	6753	2.47	cps
Cobalt	59-2	4084	4417	4354	4285	4.13	cps
Copper	63-2	8342	7939	8026	8102	2.62	cps
Dysprosium	156-1	107	90	123	107	15.63	cps
Dysprosium	156-2	30	27	30	29	6.65	cps
Erbium	164-1	60	30	40	43	35.25	cps
Erbium	164-2	27	17	33	26	32.81	cps
Gadolinium	160-1	17	27	37	27	37.50	cps
Gadolinium	160-2	150	130	153	144	8.74	cps
Holmium	165-1	5573831	5253477	5563422	5463576	3.33	cps
Holmium	165-2	3845045	3883343	3943487	3890625	1.28	cps
Indium	115-1	4991975	4686547	5021211	4899911	3.78	cps
Indium	115-2	1771129	1799841	1807089	1792686	1.06	cps
Iron	56-2	507414	508714	510370	508833	0.29	cps
Iron	57-2	15702	15415	15702	15606	1.06	cps
Iron	54-2	29860	29015	29649	29508	1.49	cps
Krypton	83-1	203	257	220	227	12.04	cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164281BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD281	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:01:28	DataFile Name :	128LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3591	4087	3904	3861	6.51	cps
Lead	207-1	3360	3584	3494	3479	3.23	cps
Lead	208-1	14823	15740	15410	15325	3.03	cps
Lithium	6-1	350907	343932	366345	353728	3.24	cps
Magnesium	24-2	119981	120263	120494	120246	0.21	cps
Manganese	55-2	2994	3114	3184	3097	3.10	cps
Molybdenum	94-1	12262	12405	12275	12314	0.64	cps
Molybdenum	95-1	14621	15198	14721	14847	2.08	cps
Molybdenum	96-1	16216	16476	15862	16185	1.90	cps
Molybdenum	97-1	8753	9420	8753	8975	4.29	cps
Molybdenum	98-1	22611	22818	23853	23094	2.88	cps
Neodymium	150-1	47	20	17	28	59.19	cps
Neodymium	150-2	7	3	3	4	43.40	cps
Nickel	60-2	1297	1230	1420	1316	7.33	cps
Phosphorus	31-2	113	127	110	117	7.56	cps
Potassium	39-2	246849	245595	246170	246204	0.25	cps
Rhodium	103-1	4881563	4597176	4901441	4793393	3.55	cps
Rhodium	103-2	3058935	3077639	3083428	3073334	0.42	cps
Scandium	45-1	3083697	2899006	3089092	3023932	3.58	cps
Scandium	45-2	299124	299923	301768	300272	0.45	cps
Selenium	82-1	789	708	755	751	5.47	cps
Selenium	77-2	40	53	33	42	24.12	cps
Selenium	78-2	517	487	537	513	4.90	cps
Silicon	28-1	292340	294213	294272	293608	0.37	cps
Silver	107-1	6598	6865	6915	6793	2.51	cps
Silver	109-1	6552	6658	6632	6614	0.84	cps
Sodium	23-2	234236	232242	233285	233254	0.43	cps
Strontium	86-1	2380	2407	2590	2459	4.65	cps
Strontium	88-1	18295	18585	18432	18437	0.79	cps
Sulfur	34-1	128857	127292	126894	127681	0.81	cps
Terbium	159-1	5716170	5515913	5798075	5676719	2.56	cps
Terbium	159-2	3841511	3912000	3899495	3884335	0.97	cps
Thallium	203-1	4131	4071	3814	4005	4.20	cps
Thallium	205-1	9380	9787	9487	9551	2.21	cps
Tin	118-1	1287	1307	1340	1311	2.06	cps
Titanium	47-1	3977	4387	4131	4165	4.98	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	PB164281BSD	Instrumnet Name :	P7
Client Sample ID :	LCSD281	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:01:28	DataFile Name :	128LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10798	11101	11642	11180	3.82	cps
Vanadium	51-2	12072	12112	11908	12030	0.90	cps
Yttrium	89-1	8855703	8405784	8879194	8713560	3.06	cps
Yttrium	89-2	2376783	2381037	2385276	2381032	0.18	cps
Zinc	66-2	3097	3127	3010	3078	1.97	cps
Zirconium	90-1	10447	10704	11208	10786	3.59	cps
Zirconium	91-1	2397	2567	2460	2475	3.47	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-01	Instrumnet Name :	P7
Client Sample ID :	MYDBD4	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:04:44	DataFile Name :	129SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	35566182	35188272	35169571	35308008	0.63	cps
Antimony	121-1	195957	200113	200681	198917	1.30	cps
Arsenic	75-2	138570	136572	137752	137631	0.73	cps
Barium	135-1	1148103	1160561	1177235	1161966	1.26	cps
Barium	137-1	2132520	2210428	2195985	2179645	1.90	cps
Beryllium	9-1	9360	9760	9693	9604	2.23	cps
Bismuth	209-1	4630233	4583801	4519201	4577745	1.22	cps
Bismuth	209-2	3687762	3622641	3648760	3653054	0.90	cps
Bromine	81-1	9376	10023	10050	9817	3.89	cps
Bromine	81-2	747	773	800	773	3.45	cps
Cadmium	108-1	4594	4581	4457	4544	1.66	cps
Cadmium	106-1	7929	7982	8099	8003	1.09	cps
Cadmium	111-1	57051	57138	57299	57162	0.22	cps
Calcium	43-1	256818	261454	260998	259757	0.98	cps
Calcium	44-1	4087696	4073135	4133772	4098201	0.77	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1853517	1864937	1854463	1857639	0.34	cps
Cobalt	59-2	193454	192214	194544	193404	0.60	cps
Copper	63-2	29576090	29682117	29676225	29644811	0.20	cps
Dysprosium	156-1	38513	39753	40064	39443	2.08	cps
Dysprosium	156-2	35839	36006	36434	36093	0.85	cps
Erbium	164-1	25143	25413	26014	25523	1.75	cps
Erbium	164-2	17641	17161	17067	17290	1.78	cps
Gadolinium	160-1	33704	33881	34496	34027	1.22	cps
Gadolinium	160-2	24211	24218	24198	24209	0.04	cps
Holmium	165-1	6009229	6012909	5889609	5970582	1.17	cps
Holmium	165-2	4017622	4027059	3977781	4007487	0.65	cps
Indium	115-1	5078524	5164385	5092541	5111817	0.90	cps
Indium	115-2	1752764	1759950	1756159	1756291	0.20	cps
Iron	56-2	143694021	143586391	143654875	143645096	0.04	cps
Iron	57-2	3552872	3479193	3521346	3517804	1.05	cps
Iron	54-2	8058159	7953098	8020887	8010714	0.66	cps
Krypton	83-1	290	333	303	309	7.18	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-01	Instrumnet Name :	P7
Client Sample ID :	MYDBD4	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:04:44	DataFile Name :	129SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6242761	6251284	6338851	6277632	0.85	cps
Lead	207-1	5512771	5529918	5561778	5534822	0.45	cps
Lead	208-1	24908604	24895233	25147387	24983741	0.57	cps
Lithium	6-1	393780	394995	379758	389511	2.17	cps
Magnesium	24-2	8319510	8371315	8245284	8312036	0.76	cps
Manganese	55-2	3992370	3948090	3890748	3943736	1.29	cps
Molybdenum	94-1	251491	256082	260327	255967	1.73	cps
Molybdenum	95-1	39503	39714	40409	39875	1.19	cps
Molybdenum	96-1	81060	82149	83252	82154	1.33	cps
Molybdenum	97-1	24694	24764	25402	24954	1.56	cps
Molybdenum	98-1	61844	64210	64468	63507	2.28	cps
Neodymium	150-1	94688	95897	97541	96042	1.49	cps
Neodymium	150-2	55147	55047	55365	55186	0.29	cps
Nickel	60-2	412300	412813	413161	412758	0.10	cps
Phosphorus	31-2	30494	30998	29906	30466	1.79	cps
Potassium	39-2	2388375	2376835	2392978	2386063	0.35	cps
Rhodium	103-1	4912179	4985271	4923180	4940210	0.80	cps
Rhodium	103-2	2959315	2965947	2977632	2967631	0.31	cps
Scandium	45-1	3326251	3357502	3306617	3330123	0.77	cps
Scandium	45-2	311737	310792	311697	311408	0.17	cps
Selenium	82-1	1221	1237	1288	1249	2.80	cps
Selenium	77-2	230	213	253	232	8.65	cps
Selenium	78-2	767	763	760	763	0.44	cps
Silicon	28-1	30681346	30952201	31087559	30907035	0.67	cps
Silver	107-1	104489	104835	105769	105031	0.63	cps
Silver	109-1	97515	96914	99069	97833	1.14	cps
Sodium	23-2	410584	407925	413606	410705	0.69	cps
Strontium	86-1	386723	384655	392051	387809	0.98	cps
Strontium	88-1	3500288	3566902	3561869	3543020	1.05	cps
Sulfur	34-1	172137	172326	170307	171590	0.65	cps
Terbium	159-1	6157861	6129846	6164151	6150619	0.30	cps
Terbium	159-2	3973176	4001022	3975354	3983184	0.39	cps
Thallium	203-1	2370	2107	2104	2194	6.98	cps
Thallium	205-1	5161	5004	5518	5228	5.03	cps
Tin	118-1	613374	620690	625446	619837	0.98	cps
Titanium	47-1	2084198	2069166	2091310	2081558	0.54	cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-01	Instrumnet Name :	P7
Client Sample ID :	MYDBD4	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:04:44	DataFile Name :	129SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	30061	31347	30375	30594	2.19	cps
Vanadium	51-2	368714	364652	368833	367400	0.65	cps
Yttrium	89-1	9627260	9832437	9869801	9776499	1.34	cps
Yttrium	89-2	2480789	2509758	2478214	2489587	0.70	cps
Zinc	66-2	4062226	4044712	4072909	4059949	0.35	cps
Zirconium	90-1	638416	642372	652295	644361	1.11	cps
Zirconium	91-1	142688	141646	144376	142904	0.96	cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-02	Instrumnet Name :	P7
Client Sample ID :	MYDBD5	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:07:45	DataFile Name :	130SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16834489	16857450	16726077	16806005	0.42	cps
Antimony	121-1	86214	88289	87917	87473	1.27	cps
Arsenic	75-2	159329	158445	157368	158381	0.62	cps
Barium	135-1	1610295	1636397	1622576	1623090	0.80	cps
Barium	137-1	2839495	2838887	2864221	2847535	0.51	cps
Beryllium	9-1	4054	4147	4094	4098	1.14	cps
Bismuth	209-1	4159028	4142733	4024208	4108656	1.79	cps
Bismuth	209-2	3210480	3215038	3233540	3219686	0.38	cps
Bromine	81-1	8879	8863	9046	8929	1.14	cps
Bromine	81-2	590	653	667	637	6.43	cps
Cadmium	108-1	3224	3370	3124	3239	3.83	cps
Cadmium	106-1	6101	6502	6421	6341	3.34	cps
Cadmium	111-1	41812	42588	42441	42280	0.97	cps
Calcium	43-1	296198	301859	303269	300442	1.25	cps
Calcium	44-1	4719709	4837377	4783196	4780094	1.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	846601	849068	844776	846815	0.25	cps
Cobalt	59-2	218073	219005	216545	217874	0.57	cps
Copper	63-2	19268103	18891571	19126621	19095432	1.00	cps
Dysprosium	156-1	51066	51755	51370	51397	0.67	cps
Dysprosium	156-2	47898	46493	47055	47149	1.50	cps
Erbium	164-1	32170	33273	32357	32600	1.81	cps
Erbium	164-2	21857	21457	21850	21721	1.06	cps
Gadolinium	160-1	44287	44701	45019	44669	0.82	cps
Gadolinium	160-2	31856	32063	31860	31926	0.37	cps
Holmium	165-1	6159598	6018875	5839435	6005970	2.67	cps
Holmium	165-2	4013257	4037334	4043472	4031354	0.40	cps
Indium	115-1	5257456	5191693	5057226	5168792	1.97	cps
Indium	115-2	1728480	1762943	1747548	1746324	0.99	cps
Iron	56-2	310927889	306341995	306875689	308048524	0.81	cps
Iron	57-2	7769446	7652003	7701517	7707656	0.76	cps
Iron	54-2	17115522	17024031	16959513	17033022	0.46	cps
Krypton	83-1	267	277	263	269	2.58	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-02	Instrumnet Name :	P7
Client Sample ID :	MYDBD5	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:07:45	DataFile Name :	130SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5841087	5871626	5904067	5872260	0.54	cps
Lead	207-1	5140738	5210418	5269289	5206815	1.24	cps
Lead	208-1	23271637	23729310	23508248	23503065	0.97	cps
Lithium	6-1	382946	363023	361990	369320	3.20	cps
Magnesium	24-2	5554742	5480906	5498734	5511461	0.70	cps
Manganese	55-2	3890747	3894725	3848310	3877927	0.66	cps
Molybdenum	94-1	189223	192493	190467	190728	0.87	cps
Molybdenum	95-1	17130	17898	17581	17536	2.20	cps
Molybdenum	96-1	51106	51798	50999	51301	0.85	cps
Molybdenum	97-1	11071	10884	11054	11003	0.94	cps
Molybdenum	98-1	27907	27910	27893	27903	0.03	cps
Neodymium	150-1	123563	124504	124198	124088	0.39	cps
Neodymium	150-2	72267	71698	70616	71527	1.17	cps
Nickel	60-2	274454	273384	274035	273958	0.20	cps
Phosphorus	31-2	33941	33483	33687	33704	0.68	cps
Potassium	39-2	2969826	2973146	2925340	2956104	0.90	cps
Rhodium	103-1	5109297	4914337	4964656	4996097	2.03	cps
Rhodium	103-2	2995633	2985825	2997335	2992931	0.21	cps
Scandium	45-1	3388473	3385390	3346067	3373310	0.70	cps
Scandium	45-2	321631	319153	316511	319098	0.80	cps
Selenium	82-1	1364	1281	1294	1313	3.41	cps
Selenium	77-2	283	283	320	296	7.16	cps
Selenium	78-2	813	783	827	808	2.75	cps
Silicon	28-1	21073386	21221769	21121156	21138770	0.36	cps
Silver	107-1	91620	93187	93254	92687	1.00	cps
Silver	109-1	86644	88022	87361	87342	0.79	cps
Sodium	23-2	215319	214895	214862	215025	0.12	cps
Strontium	86-1	358831	362120	362461	361137	0.56	cps
Strontium	88-1	3235159	3254535	3299810	3263168	1.02	cps
Sulfur	34-1	171951	173354	173891	173065	0.58	cps
Terbium	159-1	6214774	6216445	6181163	6204127	0.32	cps
Terbium	159-2	4052396	4023029	3982733	4019386	0.87	cps
Thallium	203-1	2664	2600	2644	2636	1.23	cps
Thallium	205-1	5978	6405	6398	6260	3.91	cps
Tin	118-1	1004478	1018686	1011768	1011644	0.70	cps
Titanium	47-1	1661702	1715999	1706440	1694713	1.71	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-02	Instrumnet Name :	P7
Client Sample ID :	MYDBD5	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:07:45	DataFile Name :	130SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	21431	20636	20960	21009	1.90	cps
Vanadium	51-2	319252	317463	315646	317454	0.57	cps
Yttrium	89-1	10008059	9922522	9872295	9934292	0.69	cps
Yttrium	89-2	2540716	2583834	2584796	2569782	0.98	cps
Zinc	66-2	2798695	2806936	2810549	2805393	0.22	cps
Zirconium	90-1	483748	503741	500908	496132	2.18	cps
Zirconium	91-1	108552	110513	110553	109873	1.04	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-03	Instrumnet Name :	P7
Client Sample ID :	MYDBD6	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:10:44	DataFile Name :	131SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	39847983	38835115	39429012	39370703	1.29	cps
Antimony	121-1	253283	258624	260234	257380	1.41	cps
Arsenic	75-2	87258	85384	85612	86085	1.19	cps
Barium	135-1	999095	1011879	1011647	1007540	0.73	cps
Barium	137-1	1843439	1872998	1853677	1856705	0.81	cps
Beryllium	9-1	10487	10620	10350	10486	1.29	cps
Bismuth	209-1	4623573	4693689	4897938	4738400	3.01	cps
Bismuth	209-2	3689052	3730697	3732778	3717509	0.66	cps
Bromine	81-1	9400	9537	9910	9615	2.75	cps
Bromine	81-2	663	717	687	689	3.88	cps
Cadmium	108-1	4604	4481	4381	4489	2.49	cps
Cadmium	106-1	8009	8443	8092	8181	2.81	cps
Cadmium	111-1	53316	53555	53370	53414	0.23	cps
Calcium	43-1	224229	227739	227910	226626	0.92	cps
Calcium	44-1	3566612	3658615	3590075	3605101	1.33	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2515649	2506688	2520492	2514276	0.28	cps
Cobalt	59-2	202186	200796	202057	201680	0.38	cps
Copper	63-2	35648441	35826064	35832474	35768993	0.29	cps
Dysprosium	156-1	27497	27006	27534	27346	1.08	cps
Dysprosium	156-2	25163	25273	25767	25401	1.27	cps
Erbium	164-1	17865	18546	18502	18304	2.08	cps
Erbium	164-2	12275	12332	12332	12313	0.27	cps
Gadolinium	160-1	23560	23837	24044	23814	1.02	cps
Gadolinium	160-2	17184	16587	17267	17013	2.18	cps
Holmium	165-1	5918680	5875865	6249404	6014650	3.40	cps
Holmium	165-2	3920153	4069874	4049553	4013194	2.02	cps
Indium	115-1	5166230	5123620	5396534	5228795	2.81	cps
Indium	115-2	1769138	1752188	1749587	1756971	0.60	cps
Iron	56-2	128333405	126787488	126830005	127316966	0.69	cps
Iron	57-2	3172298	3190285	3163680	3175421	0.43	cps
Iron	54-2	7146078	7152072	7213320	7170490	0.52	cps
Krypton	83-1	270	303	260	278	8.17	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-03	Instrumnet Name :	P7
Client Sample ID :	MYDBD6	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:10:44	DataFile Name :	131SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	7144581	7425684	7460256	7343507	2.36	cps
Lead	207-1	6323243	6433934	6430387	6395855	0.98	cps
Lead	208-1	28652915	29304193	29237916	29065008	1.23	cps
Lithium	6-1	355135	361631	362645	359804	1.13	cps
Magnesium	24-2	11654624	11481734	11709618	11615325	1.02	cps
Manganese	55-2	3763000	3772797	3782718	3772839	0.26	cps
Molybdenum	94-1	378295	389048	384134	383826	1.40	cps
Molybdenum	95-1	58654	59029	58239	58641	0.67	cps
Molybdenum	96-1	118641	122166	120989	120599	1.49	cps
Molybdenum	97-1	35881	36238	36569	36229	0.95	cps
Molybdenum	98-1	91787	93353	93229	92789	0.94	cps
Neodymium	150-1	63904	64262	65193	64453	1.03	cps
Neodymium	150-2	37386	36805	36918	37036	0.83	cps
Nickel	60-2	549893	548372	551207	549824	0.26	cps
Phosphorus	31-2	16993	17570	17597	17387	1.96	cps
Potassium	39-2	2415653	2363298	2412562	2397171	1.23	cps
Rhodium	103-1	4942725	4950199	5218830	5037251	3.12	cps
Rhodium	103-2	2951262	3026302	3020056	2999207	1.39	cps
Scandium	45-1	3273894	3317478	3419122	3336831	2.23	cps
Scandium	45-2	313164	311435	315704	313435	0.69	cps
Selenium	82-1	1302	1240	1334	1292	3.70	cps
Selenium	77-2	233	170	177	193	18.00	cps
Selenium	78-2	820	773	733	776	5.59	cps
Silicon	28-1	32077953	33338772	32634122	32683616	1.93	cps
Silver	107-1	126126	131876	130026	129343	2.27	cps
Silver	109-1	119831	122036	122361	121410	1.13	cps
Sodium	23-2	401200	395930	405226	400785	1.16	cps
Strontium	86-1	255236	260559	258154	257983	1.03	cps
Strontium	88-1	2336523	2421605	2366315	2374814	1.82	cps
Sulfur	34-1	176921	178321	175273	176839	0.86	cps
Terbium	159-1	6019493	6072482	6443891	6178622	3.74	cps
Terbium	159-2	4052922	3914422	3962454	3976599	1.77	cps
Thallium	203-1	1707	1620	1677	1668	2.64	cps
Thallium	205-1	3887	4034	3994	3972	1.91	cps
Tin	118-1	746142	761757	762553	756818	1.22	cps
Titanium	47-1	2124874	2185216	2153706	2154599	1.40	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-03	Instrumnet Name :	P7
Client Sample ID :	MYDBD6	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:10:44	DataFile Name :	131SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	24306	24376	24443	24375	0.28	cps
Vanadium	51-2	360240	359450	360580	360090	0.16	cps
Yttrium	89-1	9756926	9627342	10065963	9816744	2.30	cps
Yttrium	89-2	2499390	2476290	2543894	2506525	1.37	cps
Zinc	66-2	4754222	4753637	4869850	4792570	1.40	cps
Zirconium	90-1	948232	980595	969187	966005	1.70	cps
Zirconium	91-1	210926	216361	213681	213656	1.27	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-04	Instrumnet Name :	P7
Client Sample ID :	MYDBD7	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:13:45	DataFile Name :	132SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	22044586	21911838	21948919	21968448	0.31	cps
Antimony	121-1	101210	103989	104077	103092	1.58	cps
Arsenic	75-2	190645	188787	189551	189661	0.49	cps
Barium	135-1	2262950	2263714	2261171	2262612	0.06	cps
Barium	137-1	3844542	3914538	3930016	3896365	1.17	cps
Beryllium	9-1	5324	5571	5541	5479	2.46	cps
Bismuth	209-1	4272808	4270081	4209185	4250691	0.85	cps
Bismuth	209-2	3403927	3388506	3346133	3379522	0.89	cps
Bromine	81-1	9023	9170	9230	9141	1.16	cps
Bromine	81-2	663	640	607	637	4.47	cps
Cadmium	108-1	3530	3474	3550	3518	1.13	cps
Cadmium	106-1	6758	6565	6301	6542	3.51	cps
Cadmium	111-1	46748	47518	48353	47540	1.69	cps
Calcium	43-1	376601	383401	388632	382878	1.58	cps
Calcium	44-1	5915032	6067064	6020421	6000839	1.30	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1199166	1187653	1192293	1193038	0.49	cps
Cobalt	59-2	304051	305094	304022	304389	0.20	cps
Copper	63-2	21432077	21167163	21260206	21286482	0.63	cps
Dysprosium	156-1	68158	69906	71203	69756	2.19	cps
Dysprosium	156-2	65459	65977	66392	65943	0.71	cps
Erbium	164-1	40639	41452	42000	41363	1.66	cps
Erbium	164-2	27804	27708	28242	27918	1.02	cps
Gadolinium	160-1	57678	58702	58133	58171	0.88	cps
Gadolinium	160-2	41304	41732	40849	41295	1.07	cps
Holmium	165-1	5979892	6009782	5940717	5976797	0.58	cps
Holmium	165-2	4062706	4061658	4041947	4055437	0.29	cps
Indium	115-1	5173005	5160322	5257782	5197036	1.02	cps
Indium	115-2	1791269	1787129	1737616	1772005	1.68	cps
Iron	56-2	226599830	227952810	227194963	227249201	0.30	cps
Iron	57-2	5655823	5621935	5636272	5638010	0.30	cps
Iron	54-2	12582794	12661293	12610831	12618306	0.32	cps
Krypton	83-1	303	330	323	319	4.35	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-04	Instrumnet Name :	P7
Client Sample ID :	MYDBD7	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:13:45	DataFile Name :	132SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5045320	5084362	5175354	5101679	1.31	cps
Lead	207-1	4518360	4510426	4589383	4539389	0.96	cps
Lead	208-1	20098357	20226286	20480042	20268228	0.96	cps
Lithium	6-1	367687	366500	367957	367381	0.21	cps
Magnesium	24-2	6997506	6917620	6976503	6963876	0.59	cps
Manganese	55-2	4800021	4812836	4884092	4832317	0.94	cps
Molybdenum	94-1	135423	138633	139956	138004	1.69	cps
Molybdenum	95-1	26394	26307	26711	26471	0.80	cps
Molybdenum	96-1	49825	51287	50955	50689	1.51	cps
Molybdenum	97-1	16089	17013	16062	16388	3.30	cps
Molybdenum	98-1	41596	42201	42305	42034	0.91	cps
Neodymium	150-1	169642	174550	174756	172983	1.67	cps
Neodymium	150-2	99813	100955	100485	100418	0.57	cps
Nickel	60-2	387249	387044	386146	386813	0.15	cps
Phosphorus	31-2	62601	63163	62731	62832	0.47	cps
Potassium	39-2	2901491	2933748	2912167	2915802	0.56	cps
Rhodium	103-1	5023748	5027467	4985113	5012109	0.47	cps
Rhodium	103-2	3015301	2995528	3004283	3005037	0.33	cps
Scandium	45-1	3377963	3301797	3328255	3336005	1.16	cps
Scandium	45-2	317420	316985	316770	317058	0.10	cps
Selenium	82-1	1203	1190	1240	1211	2.14	cps
Selenium	77-2	317	390	377	361	10.82	cps
Selenium	78-2	833	800	903	846	6.24	cps
Silicon	28-1	21434870	21756344	22024158	21738457	1.36	cps
Silver	107-1	91721	92976	94005	92901	1.23	cps
Silver	109-1	86171	88327	87240	87246	1.24	cps
Sodium	23-2	795792	800470	801462	799241	0.38	cps
Strontium	86-1	849268	864732	872454	862151	1.37	cps
Strontium	88-1	7693837	7832650	7977150	7834546	1.81	cps
Sulfur	34-1	176278	176635	176180	176364	0.14	cps
Terbium	159-1	6136492	6192298	6213159	6180650	0.64	cps
Terbium	159-2	4060808	4025150	3984123	4023360	0.95	cps
Thallium	203-1	2940	3017	3020	2993	1.51	cps
Thallium	205-1	6979	6852	7305	7045	3.32	cps
Tin	118-1	322121	326573	330214	326303	1.24	cps
Titanium	47-1	2227521	2240528	2240060	2236036	0.33	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-04	Instrumnet Name :	P7
Client Sample ID :	MYDBD7	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:13:45	DataFile Name :	132SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	35143	35678	35387	35403	0.76	cps
Vanadium	51-2	439110	436627	433939	436559	0.59	cps
Yttrium	89-1	10103474	10096138	10121080	10106897	0.13	cps
Yttrium	89-2	2608043	2589540	2584014	2593866	0.49	cps
Zinc	66-2	2555637	2542269	2483191	2527032	1.53	cps
Zirconium	90-1	336836	343440	346025	342100	1.39	cps
Zirconium	91-1	74441	76606	77276	76107	1.95	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-05	Instrumnet Name :	P7
Client Sample ID :	MYDBD8	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:16:44	DataFile Name :	133SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	46333009	45816913	46600143	46250022	0.86	cps
Antimony	121-1	315455	320333	319863	318550	0.84	cps
Arsenic	75-2	104018	105619	105730	105122	0.91	cps
Barium	135-1	1147606	1169505	1157981	1158364	0.95	cps
Barium	137-1	2117441	2202257	2174294	2164664	2.00	cps
Beryllium	9-1	12468	12829	13159	12819	2.69	cps
Bismuth	209-1	5154591	5156922	5092259	5134591	0.71	cps
Bismuth	209-2	4032283	4038131	4088392	4052936	0.76	cps
Bromine	81-1	9737	9700	10274	9903	3.24	cps
Bromine	81-2	740	747	703	730	3.20	cps
Cadmium	108-1	4834	5148	5341	5108	5.01	cps
Cadmium	106-1	9240	9673	9353	9422	2.39	cps
Cadmium	111-1	61230	61733	61504	61489	0.41	cps
Calcium	43-1	271987	275100	277923	275003	1.08	cps
Calcium	44-1	4278591	4302811	4428165	4336523	1.85	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2417128	2372311	2390973	2393471	0.94	cps
Cobalt	59-2	209692	209087	210913	209897	0.44	cps
Copper	63-2	39224159	38876396	39162284	39087613	0.47	cps
Dysprosium	156-1	34553	35298	34158	34669	1.67	cps
Dysprosium	156-2	31332	32120	31669	31707	1.25	cps
Erbium	164-1	22719	23103	22461	22761	1.42	cps
Erbium	164-2	15709	15092	15042	15281	2.43	cps
Gadolinium	160-1	29885	30192	30510	30196	1.03	cps
Gadolinium	160-2	21477	21416	20972	21289	1.29	cps
Holmium	165-1	5904402	6017331	6013442	5978392	1.07	cps
Holmium	165-2	4033273	4047723	4112613	4064537	1.04	cps
Indium	115-1	5137758	5161564	5140345	5146556	0.25	cps
Indium	115-2	1788788	1824394	1756565	1789916	1.90	cps
Iron	56-2	156431908	155979151	156482328	156297795	0.18	cps
Iron	57-2	3833132	3867817	3878858	3859936	0.62	cps
Iron	54-2	8833170	8720943	8803748	8785954	0.66	cps
Krypton	83-1	330	237	250	272	18.54	cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-05	Instrumnet Name :	P7
Client Sample ID :	MYDBD8	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:16:44	DataFile Name :	133SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8437840	8600586	8571237	8536554	1.02	cps
Lead	207-1	7381773	7579501	7435943	7465739	1.37	cps
Lead	208-1	33735169	34286756	33845864	33955929	0.86	cps
Lithium	6-1	369583	373482	358790	367285	2.07	cps
Magnesium	24-2	13627201	13677300	13788210	13697570	0.60	cps
Manganese	55-2	4247183	4190630	4226970	4221594	0.68	cps
Molybdenum	94-1	468559	481445	476902	475635	1.37	cps
Molybdenum	95-1	67043	69467	69116	68542	1.91	cps
Molybdenum	96-1	143736	146524	147389	145883	1.31	cps
Molybdenum	97-1	41867	42331	42632	42277	0.91	cps
Molybdenum	98-1	106855	108506	107980	107780	0.78	cps
Neodymium	150-1	81407	83777	81979	82388	1.50	cps
Neodymium	150-2	47590	47389	47627	47535	0.27	cps
Nickel	60-2	496931	495949	497931	496937	0.20	cps
Phosphorus	31-2	22303	22250	22270	22274	0.12	cps
Potassium	39-2	2917660	2856451	2861931	2878681	1.18	cps
Rhodium	103-1	4996904	4956182	4952567	4968551	0.50	cps
Rhodium	103-2	2987668	3011196	2945349	2981404	1.12	cps
Scandium	45-1	3282023	3319931	3316903	3306286	0.64	cps
Scandium	45-2	316405	318120	316507	317011	0.30	cps
Selenium	82-1	2094	2244	2407	2248	6.97	cps
Selenium	77-2	333	347	383	354	7.30	cps
Selenium	78-2	1053	1043	1027	1041	1.29	cps
Silicon	28-1	31185459	32234802	31873051	31764437	1.68	cps
Silver	107-1	147437	148929	150290	148885	0.96	cps
Silver	109-1	138360	141719	141348	140476	1.31	cps
Sodium	23-2	466088	467884	468625	467533	0.28	cps
Strontium	86-1	318635	321780	325785	322067	1.11	cps
Strontium	88-1	2888185	2996401	3000712	2961766	2.15	cps
Sulfur	34-1	195535	195816	199786	197046	1.21	cps
Terbium	159-1	6238583	6287478	6145506	6223856	1.16	cps
Terbium	159-2	3928543	4064845	3972763	3988717	1.74	cps
Thallium	203-1	1877	1970	1980	1942	2.93	cps
Thallium	205-1	4557	4724	4724	4669	2.06	cps
Tin	118-1	763841	780395	785926	776720	1.48	cps
Titanium	47-1	2299410	2333880	2363817	2332369	1.38	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-05	Instrumnet Name :	P7
Client Sample ID :	MYDBD8	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:16:44	DataFile Name :	133SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	28584	29703	29419	29235	1.99	cps
Vanadium	51-2	420299	422603	422974	421959	0.34	cps
Yttrium	89-1	9799752	9819020	9825786	9814853	0.14	cps
Yttrium	89-2	2501037	2520632	2519621	2513763	0.44	cps
Zinc	66-2	5477840	5489607	5445789	5471078	0.41	cps
Zirconium	90-1	1181915	1209805	1214623	1202114	1.47	cps
Zirconium	91-1	264776	268102	272044	268307	1.36	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-06	Instrumnet Name :	P7
Client Sample ID :	MYDBD9	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:19:45	DataFile Name :	134SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12752725	12591966	12540299	12628330	0.88	cps
Antimony	121-1	100454	103072	103499	102342	1.61	cps
Arsenic	75-2	307670	304017	301543	304410	1.01	cps
Barium	135-1	1398292	1429273	1445266	1424277	1.68	cps
Barium	137-1	2666669	2705416	2710354	2694146	0.89	cps
Beryllium	9-1	2840	3184	2850	2958	6.61	cps
Bismuth	209-1	4147166	4200236	3927328	4091577	3.54	cps
Bismuth	209-2	3120593	3449631	3394083	3321436	5.30	cps
Bromine	81-1	8372	9260	9173	8935	5.47	cps
Bromine	81-2	590	643	607	613	4.45	cps
Cadmium	108-1	2687	2797	2950	2811	4.71	cps
Cadmium	106-1	5611	5591	5494	5566	1.12	cps
Cadmium	111-1	36966	38305	38220	37830	1.98	cps
Calcium	43-1	316047	325645	325452	322381	1.70	cps
Calcium	44-1	5099716	5147277	5125192	5124062	0.46	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	761703	753313	746475	753830	1.01	cps
Cobalt	59-2	264231	262491	261898	262873	0.46	cps
Copper	63-2	17315187	17189943	16800551	17101894	1.57	cps
Dysprosium	156-1	67983	69199	70067	69083	1.52	cps
Dysprosium	156-2	63644	63235	64330	63736	0.87	cps
Erbium	164-1	39720	39977	39857	39851	0.32	cps
Erbium	164-2	27000	27394	26435	26943	1.79	cps
Gadolinium	160-1	55115	56202	57260	56192	1.91	cps
Gadolinium	160-2	39720	39803	39923	39815	0.26	cps
Holmium	165-1	5982331	6082164	5589729	5884742	4.42	cps
Holmium	165-2	3793327	4159585	4176760	4043224	5.36	cps
Indium	115-1	5194973	5289813	4867657	5117481	4.33	cps
Indium	115-2	1705661	1836083	1850780	1797508	4.44	cps
Iron	56-2	216449063	214971190	213632957	215017737	0.66	cps
Iron	57-2	5368065	5199606	5232605	5266759	1.70	cps
Iron	54-2	12086698	11825110	11830952	11914253	1.25	cps
Krypton	83-1	287	267	280	278	3.67	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-06	Instrumnet Name :	P7
Client Sample ID :	MYDBD9	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:19:45	DataFile Name :	134SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5682602	5881778	5936883	5833754	2.29	cps
Lead	207-1	5082265	5204856	5282511	5189878	1.95	cps
Lead	208-1	22748364	23528373	23729733	23335490	2.22	cps
Lithium	6-1	362575	365222	329319	352372	5.68	cps
Magnesium	24-2	6224079	6137933	6199823	6187278	0.72	cps
Manganese	55-2	4075914	3991658	4038475	4035349	1.05	cps
Molybdenum	94-1	153880	157920	158796	156865	1.67	cps
Molybdenum	95-1	15755	16830	16700	16428	3.57	cps
Molybdenum	96-1	42933	43585	44046	43521	1.29	cps
Molybdenum	97-1	9893	10330	10310	10178	2.42	cps
Molybdenum	98-1	25569	26083	26217	25957	1.32	cps
Neodymium	150-1	164066	168656	170546	167756	1.99	cps
Neodymium	150-2	96605	95762	96048	96138	0.45	cps
Nickel	60-2	279406	277874	275976	277752	0.62	cps
Phosphorus	31-2	54092	53721	53302	53705	0.74	cps
Potassium	39-2	2265363	2260491	2258453	2261436	0.16	cps
Rhodium	103-1	4972972	5057364	4654004	4894780	4.35	cps
Rhodium	103-2	2855659	3068270	3120799	3014909	4.66	cps
Scandium	45-1	3411792	3424629	3161320	3332581	4.45	cps
Scandium	45-2	299684	328991	325364	318013	5.02	cps
Selenium	82-1	1323	1406	1423	1384	3.85	cps
Selenium	77-2	333	400	370	368	9.08	cps
Selenium	78-2	970	903	850	908	6.62	cps
Silicon	28-1	19170309	19514048	19737599	19473985	1.47	cps
Silver	107-1	118190	119572	120929	119564	1.15	cps
Silver	109-1	112287	114750	114025	113687	1.11	cps
Sodium	23-2	619555	611835	618141	616510	0.67	cps
Strontium	86-1	678201	690439	698797	689146	1.50	cps
Strontium	88-1	6192927	6263064	6408973	6288321	1.75	cps
Sulfur	34-1	152573	150984	153030	152196	0.71	cps
Terbium	159-1	6256816	6258280	5802243	6105780	4.31	cps
Terbium	159-2	3780768	4019837	4089893	3963499	4.09	cps
Thallium	203-1	3407	3520	3524	3484	1.91	cps
Thallium	205-1	8403	8253	8296	8317	0.93	cps
Tin	118-1	178120	182094	183534	181249	1.55	cps
Titanium	47-1	2026945	2036537	2093605	2052362	1.76	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-06	Instrumnet Name :	P7
Client Sample ID :	MYDBD9	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:19:45	DataFile Name :	134SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33649	34261	34518	34143	1.31	cps
Vanadium	51-2	379222	373956	373130	375436	0.88	cps
Yttrium	89-1	10047509	10154679	9506234	9902807	3.51	cps
Yttrium	89-2	2440638	2598180	2643581	2560800	4.16	cps
Zinc	66-2	1552767	1526382	1524531	1534560	1.03	cps
Zirconium	90-1	401326	412128	414906	409453	1.75	cps
Zirconium	91-1	89924	90410	91249	90528	0.74	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-07	Instrumnet Name :	P7
Client Sample ID :	MYDBE0	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:30:10	DataFile Name :	136SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13411986	13283310	13327637	13340978	0.49	cps
Antimony	121-1	117795	119865	121858	119839	1.70	cps
Arsenic	75-2	349940	345464	346011	347138	0.70	cps
Barium	135-1	1957677	2023058	2036931	2005889	2.11	cps
Barium	137-1	3407741	3532202	3529972	3489971	2.04	cps
Beryllium	9-1	3070	3227	3060	3119	3.00	cps
Bismuth	209-1	4017403	4063876	4057112	4046130	0.62	cps
Bismuth	209-2	3218930	3212686	3318931	3250182	1.83	cps
Bromine	81-1	9046	9163	9480	9230	2.43	cps
Bromine	81-2	637	660	770	689	10.34	cps
Cadmium	108-1	2837	3040	3094	2990	4.53	cps
Cadmium	106-1	5805	5818	5958	5860	1.45	cps
Cadmium	111-1	40535	41425	41061	41007	1.09	cps
Calcium	43-1	316273	322787	323543	320868	1.25	cps
Calcium	44-1	5080291	5172848	5164622	5139254	1.00	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	816470	809845	810556	812291	0.45	cps
Cobalt	59-2	320235	319382	321445	320354	0.32	cps
Copper	63-2	19269759	19035197	18878068	19061008	1.03	cps
Dysprosium	156-1	70395	71799	72191	71462	1.32	cps
Dysprosium	156-2	66834	67464	68128	67475	0.96	cps
Erbium	164-1	41846	43828	43678	43118	2.56	cps
Erbium	164-2	28499	28619	28686	28602	0.33	cps
Gadolinium	160-1	57698	59332	59091	58707	1.50	cps
Gadolinium	160-2	42347	42441	42461	42416	0.14	cps
Holmium	165-1	5798126	5784457	5790215	5790933	0.12	cps
Holmium	165-2	3885116	3999494	4079634	3988081	2.45	cps
Indium	115-1	5035376	5168809	5101914	5102033	1.31	cps
Indium	115-2	1782172	1749504	1725614	1752430	1.62	cps
Iron	56-2	245325936	242489976	248343223	245386379	1.19	cps
Iron	57-2	6094836	6039204	6115506	6083182	0.65	cps
Iron	54-2	13742192	13647536	13511000	13633576	0.85	cps
Krypton	83-1	260	343	303	302	13.79	cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-07	Instrumnet Name :	P7
Client Sample ID :	MYDBE0	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:30:10	DataFile Name :	136SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5984845	6274575	6291056	6183492	2.79	cps
Lead	207-1	5361363	5600039	5639664	5533689	2.72	cps
Lead	208-1	24172283	25162963	25214432	24849893	2.36	cps
Lithium	6-1	326243	325768	325438	325817	0.12	cps
Magnesium	24-2	6218861	6092387	6193264	6168171	1.08	cps
Manganese	55-2	5004085	4924766	5024933	4984595	1.06	cps
Molybdenum	94-1	176796	182220	183146	180721	1.90	cps
Molybdenum	95-1	17734	17167	17968	17623	2.34	cps
Molybdenum	96-1	47818	49614	49631	49021	2.13	cps
Molybdenum	97-1	10724	10701	11435	10953	3.81	cps
Molybdenum	98-1	27656	27503	28107	27755	1.13	cps
Neodymium	150-1	170499	174553	174711	173254	1.38	cps
Neodymium	150-2	102976	100827	101414	101739	1.09	cps
Nickel	60-2	286072	284031	285380	285161	0.36	cps
Phosphorus	31-2	54169	53356	54640	54055	1.20	cps
Potassium	39-2	2414883	2419445	2406313	2413547	0.28	cps
Rhodium	103-1	4860316	4912126	4931110	4901184	0.75	cps
Rhodium	103-2	3001055	3003335	2992001	2998797	0.20	cps
Scandium	45-1	3344819	3315684	3374081	3344861	0.87	cps
Scandium	45-2	319503	317668	320029	319066	0.39	cps
Selenium	82-1	1533	1501	1534	1523	1.22	cps
Selenium	77-2	423	440	377	413	7.94	cps
Selenium	78-2	860	1033	893	929	9.90	cps
Silicon	28-1	15306722	15371062	15497890	15391891	0.63	cps
Silver	107-1	129034	132701	133491	131742	1.80	cps
Silver	109-1	121652	125296	124953	123967	1.62	cps
Sodium	23-2	418218	415382	417834	417145	0.37	cps
Strontium	86-1	668512	687249	685492	680417	1.52	cps
Strontium	88-1	6201382	6316945	6303257	6273861	1.01	cps
Sulfur	34-1	151267	149917	149069	150084	0.74	cps
Terbium	159-1	6015925	6045443	6065440	6042269	0.41	cps
Terbium	159-2	3901203	3909371	3948897	3919824	0.65	cps
Thallium	203-1	3981	3937	3681	3866	4.20	cps
Thallium	205-1	8766	8559	8750	8692	1.32	cps
Tin	118-1	186109	191770	190982	189621	1.62	cps
Titanium	47-1	2228669	2233854	2281260	2247928	1.29	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-07	Instrumnet Name :	P7
Client Sample ID :	MYDBE0	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:30:10	DataFile Name :	136SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	35862	36199	36497	36186	0.88	cps
Vanadium	51-2	423982	422854	423137	423324	0.14	cps
Yttrium	89-1	9992718	10051585	9911371	9985225	0.71	cps
Yttrium	89-2	2608597	2619585	2561941	2596708	1.18	cps
Zinc	66-2	1646883	1620985	1623191	1630353	0.88	cps
Zirconium	90-1	455720	470989	471901	466203	1.95	cps
Zirconium	91-1	102589	103955	104577	103707	0.98	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-08DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE1	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:33:11	DataFile Name :	137SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13679526	13796409	13674841	13716925	0.50	cps
Antimony	121-1	141643	140169	142781	141531	0.93	cps
Arsenic	75-2	88059	89427	89149	88878	0.81	cps
Barium	135-1	566389	574552	570399	570447	0.72	cps
Barium	137-1	983463	998848	1000512	994274	0.95	cps
Beryllium	9-1	4114	4294	4384	4264	3.23	cps
Bismuth	209-1	3981502	4039588	4012554	4011215	0.72	cps
Bismuth	209-2	3218701	3245007	3219824	3227844	0.46	cps
Bromine	81-1	8976	8966	9030	8991	0.38	cps
Bromine	81-2	577	480	513	523	9.38	cps
Cadmium	108-1	1980	2094	1997	2023	3.02	cps
Cadmium	106-1	4307	4197	4334	4280	1.69	cps
Cadmium	111-1	24267	24608	25509	24795	2.59	cps
Calcium	43-1	234967	232055	231769	232930	0.76	cps
Calcium	44-1	3630667	3735462	3676742	3680957	1.43	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	739520	734560	733517	735866	0.44	cps
Cobalt	59-2	116659	114651	115565	115625	0.87	cps
Copper	63-2	14631176	14717094	14568764	14639012	0.51	cps
Dysprosium	156-1	17267	17448	18142	17619	2.62	cps
Dysprosium	156-2	16239	15849	16633	16241	2.41	cps
Erbium	164-1	11298	11345	11868	11504	2.75	cps
Erbium	164-2	7956	7665	7585	7736	2.52	cps
Gadolinium	160-1	15382	15482	15689	15518	1.01	cps
Gadolinium	160-2	10634	10918	11088	10880	2.11	cps
Holmium	165-1	5846527	6025604	5880135	5917422	1.61	cps
Holmium	165-2	4008911	4063736	4043968	4038871	0.69	cps
Indium	115-1	5218975	5281605	5215745	5238775	0.71	cps
Indium	115-2	1790146	1796557	1791772	1792825	0.19	cps
Iron	56-2	81109794	81062177	80111512	80761161	0.70	cps
Iron	57-2	2028274	2033794	2000305	2020791	0.89	cps
Iron	54-2	4451932	4489600	4527252	4489595	0.84	cps
Krypton	83-1	307	250	277	278	10.20	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-08DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE1	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:33:11	DataFile Name :	137SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3301297	3286153	3356758	3314736	1.12	cps
Lead	207-1	2903564	2946841	2969865	2940090	1.14	cps
Lead	208-1	13056203	13096326	13384890	13179140	1.36	cps
Lithium	6-1	334711	344324	338478	339171	1.43	cps
Magnesium	24-2	3526783	3547005	3460482	3511424	1.29	cps
Manganese	55-2	1857673	1844396	1873329	1858466	0.78	cps
Molybdenum	94-1	101294	102721	103902	102639	1.27	cps
Molybdenum	95-1	19269	19690	19770	19576	1.37	cps
Molybdenum	96-1	36048	36843	36773	36555	1.20	cps
Molybdenum	97-1	12365	12095	12395	12285	1.35	cps
Molybdenum	98-1	30595	31748	31571	31305	1.98	cps
Neodymium	150-1	40863	40906	41959	41242	1.51	cps
Neodymium	150-2	23887	23500	23339	23575	1.19	cps
Nickel	60-2	187731	187319	187200	187417	0.15	cps
Phosphorus	31-2	15535	15314	15481	15443	0.74	cps
Potassium	39-2	1153999	1154292	1144874	1151055	0.47	cps
Rhodium	103-1	5016835	5009326	5033503	5019888	0.25	cps
Rhodium	103-2	3035074	3081762	3066515	3061117	0.78	cps
Scandium	45-1	3246960	3318487	3276109	3280519	1.10	cps
Scandium	45-2	312191	309041	309322	310184	0.56	cps
Selenium	82-1	974	1001	948	974	2.70	cps
Selenium	77-2	147	123	130	133	9.01	cps
Selenium	78-2	637	673	657	656	2.80	cps
Silicon	28-1	12186994	12425597	12767443	12460011	2.34	cps
Silver	107-1	68199	67268	68812	68093	1.14	cps
Silver	109-1	65159	65350	64767	65092	0.46	cps
Sodium	23-2	179712	176030	178061	177934	1.04	cps
Strontium	86-1	200294	204027	205404	203241	1.30	cps
Strontium	88-1	1848911	1835815	1907498	1864075	2.05	cps
Sulfur	34-1	147615	146033	146122	146590	0.61	cps
Terbium	159-1	6226904	6289394	6140530	6218942	1.20	cps
Terbium	159-2	4000722	3979766	3948672	3976386	0.66	cps
Thallium	203-1	1267	1340	1480	1362	7.96	cps
Thallium	205-1	3320	2990	3234	3182	5.38	cps
Tin	118-1	247372	254522	253312	251736	1.52	cps
Titanium	47-1	920153	930073	936295	928840	0.88	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-08DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE1	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:33:11	DataFile Name :	137SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15716	16237	15930	15961	1.64	cps
Vanadium	51-2	156674	156648	153886	155736	1.03	cps
Yttrium	89-1	9631075	9603720	9574621	9603138	0.29	cps
Yttrium	89-2	2498396	2501085	2471073	2490185	0.67	cps
Zinc	66-2	2147008	2127670	2105013	2126563	0.99	cps
Zirconium	90-1	243318	249935	249506	247586	1.50	cps
Zirconium	91-1	54053	57265	56351	55890	2.96	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-11DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE4	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:36:12	DataFile Name :	138SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9059905	8980608	9057727	9032747	0.50	cps
Antimony	121-1	63449	65542	65907	64966	2.04	cps
Arsenic	75-2	97779	97253	97038	97356	0.39	cps
Barium	135-1	648534	667713	667881	661376	1.68	cps
Barium	137-1	1127424	1138347	1127876	1131215	0.55	cps
Beryllium	9-1	2337	2424	2427	2396	2.13	cps
Bismuth	209-1	3935632	3877817	3954113	3922521	1.01	cps
Bismuth	209-2	3070145	3114682	3106066	3096964	0.76	cps
Bromine	81-1	8252	8596	8906	8585	3.81	cps
Bromine	81-2	460	400	450	437	7.36	cps
Cadmium	108-1	1687	1587	1617	1630	3.15	cps
Cadmium	106-1	3564	3871	3644	3693	4.31	cps
Cadmium	111-1	20256	20715	20855	20609	1.52	cps
Calcium	43-1	136528	140564	141204	139432	1.82	cps
Calcium	44-1	2186229	2271816	2270735	2242927	2.19	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	491043	491256	494162	492154	0.35	cps
Cobalt	59-2	107845	107059	107438	107447	0.37	cps
Copper	63-2	9944818	10007561	9991828	9981402	0.33	cps
Dysprosium	156-1	25206	25964	25466	25546	1.51	cps
Dysprosium	156-2	23610	23924	24521	24018	1.93	cps
Erbium	164-1	15242	15389	15482	15371	0.79	cps
Erbium	164-2	10247	10274	10484	10335	1.26	cps
Gadolinium	160-1	20512	21500	21880	21297	3.32	cps
Gadolinium	160-2	15802	14925	15779	15502	3.23	cps
Holmium	165-1	5958312	5977127	5911436	5948959	0.57	cps
Holmium	165-2	4063850	3969965	4002658	4012158	1.19	cps
Indium	115-1	5296102	5247066	5194583	5245917	0.97	cps
Indium	115-2	1819512	1804381	1800514	1808136	0.56	cps
Iron	56-2	83845989	83422042	82575750	83281260	0.78	cps
Iron	57-2	2094916	2090638	2069860	2085138	0.64	cps
Iron	54-2	4682546	4588575	4665949	4645690	1.08	cps
Krypton	83-1	197	240	270	236	15.65	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-11DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE4	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:36:12	DataFile Name :	138SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2862817	2960473	2967011	2930100	1.99	cps
Lead	207-1	2552262	2608400	2630594	2597085	1.55	cps
Lead	208-1	11484921	11654319	11784279	11641173	1.29	cps
Lithium	6-1	365584	363760	363984	364442	0.27	cps
Magnesium	24-2	2495230	2463218	2480070	2479506	0.65	cps
Manganese	55-2	1761277	1761003	1781925	1768068	0.68	cps
Molybdenum	94-1	88348	91390	90638	90125	1.76	cps
Molybdenum	95-1	11221	11311	11435	11322	0.95	cps
Molybdenum	96-1	26454	27202	26728	26795	1.41	cps
Molybdenum	97-1	6852	7082	6925	6953	1.69	cps
Molybdenum	98-1	18021	17891	18101	18005	0.59	cps
Neodymium	150-1	60228	62059	63834	62040	2.91	cps
Neodymium	150-2	36317	36377	36233	36309	0.20	cps
Nickel	60-2	142824	144160	143928	143637	0.50	cps
Phosphorus	31-2	21519	21462	20854	21278	1.73	cps
Potassium	39-2	1240525	1235468	1236048	1237347	0.22	cps
Rhodium	103-1	5154598	5034274	5097507	5095460	1.18	cps
Rhodium	103-2	3085990	3045058	3078323	3069790	0.71	cps
Scandium	45-1	3318893	3334547	3296275	3316572	0.58	cps
Scandium	45-2	313240	308449	310412	310700	0.78	cps
Selenium	82-1	858	886	721	822	10.71	cps
Selenium	77-2	167	147	137	150	10.18	cps
Selenium	78-2	497	587	593	559	9.66	cps
Silicon	28-1	10815225	11283512	11331479	11143405	2.56	cps
Silver	107-1	49665	50722	51411	50599	1.74	cps
Silver	109-1	46441	48193	47896	47510	1.97	cps
Sodium	23-2	144050	142839	145251	144046	0.84	cps
Strontium	86-1	204051	208796	207113	206653	1.16	cps
Strontium	88-1	1886667	1885656	1932379	1901567	1.40	cps
Sulfur	34-1	128010	130000	127419	128476	1.05	cps
Terbium	159-1	6285882	6152960	6072294	6170379	1.75	cps
Terbium	159-2	4033544	3988854	4018954	4013784	0.57	cps
Thallium	203-1	1253	1360	1360	1325	4.65	cps
Thallium	205-1	3160	3084	3047	3097	1.87	cps
Tin	118-1	172012	172763	173516	172764	0.44	cps
Titanium	47-1	931077	946765	941584	939808	0.85	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-11DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE4	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:36:12	DataFile Name :	138SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	12256	13000	11695	12317	5.31	cps
Vanadium	51-2	146046	145881	145218	145715	0.30	cps
Yttrium	89-1	9861781	9782406	9746297	9796828	0.60	cps
Yttrium	89-2	2490668	2502569	2525636	2506291	0.71	cps
Zinc	66-2	1125115	1107079	1117687	1116627	0.81	cps
Zirconium	90-1	229654	234169	238575	234132	1.91	cps
Zirconium	91-1	51166	52259	53220	52215	1.97	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-12DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE5	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:39:17	DataFile Name :	139SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9002982	8931624	8760350	8898319	1.40	cps
Antimony	121-1	75936	77846	78643	77475	1.80	cps
Arsenic	75-2	148562	147043	147196	147600	0.57	cps
Barium	135-1	1474997	1607519	1641075	1574530	5.58	cps
Barium	137-1	2761981	2856907	2859026	2825971	1.96	cps
Beryllium	9-1	2344	2370	2174	2296	4.65	cps
Bismuth	209-1	3833404	3909888	3799085	3847459	1.47	cps
Bismuth	209-2	3113288	3166046	3090332	3123222	1.24	cps
Bromine	81-1	9280	9150	9126	9185	0.90	cps
Bromine	81-2	463	480	467	470	1.88	cps
Cadmium	108-1	1763	1943	1947	1885	5.57	cps
Cadmium	106-1	4247	3954	4167	4123	3.68	cps
Cadmium	111-1	24897	24432	25598	24976	2.35	cps
Calcium	43-1	190331	193628	197587	193848	1.87	cps
Calcium	44-1	3032181	3124454	3159278	3105305	2.11	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	459362	455830	451174	455455	0.90	cps
Cobalt	59-2	152022	152763	149362	151382	1.18	cps
Copper	63-2	14895673	15017833	14790990	14901498	0.76	cps
Dysprosium	156-1	27213	27470	27243	27309	0.51	cps
Dysprosium	156-2	24925	24875	25143	24981	0.57	cps
Erbium	164-1	17121	17274	17741	17379	1.86	cps
Erbium	164-2	11915	11615	11855	11795	1.35	cps
Gadolinium	160-1	23096	23680	23814	23530	1.62	cps
Gadolinium	160-2	16580	16523	16757	16620	0.73	cps
Holmium	165-1	5908844	6039158	5891134	5946379	1.36	cps
Holmium	165-2	4163969	4128722	4024085	4105592	1.77	cps
Indium	115-1	5206317	5327681	5109334	5214444	2.10	cps
Indium	115-2	1804029	1826864	1795265	1808720	0.90	cps
Iron	56-2	294538429	294364742	292495616	293799596	0.39	cps
Iron	57-2	7353772	7336981	7309656	7333470	0.30	cps
Iron	54-2	16303878	16151748	16262408	16239345	0.48	cps
Krypton	83-1	233	247	230	237	3.73	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-12DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE5	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:39:17	DataFile Name :	139SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5460593	5471748	5515782	5482708	0.53	cps
Lead	207-1	4751221	4849214	4846675	4815704	1.16	cps
Lead	208-1	21486674	22008128	21926169	21806990	1.29	cps
Lithium	6-1	353483	354149	341252	349628	2.08	cps
Magnesium	24-2	2952103	3009829	2909538	2957157	1.70	cps
Manganese	55-2	2570080	2566241	2570250	2568857	0.09	cps
Molybdenum	94-1	75028	75982	78596	76535	2.41	cps
Molybdenum	95-1	15281	15275	15128	15228	0.57	cps
Molybdenum	96-1	29797	30525	30632	30318	1.50	cps
Molybdenum	97-1	9073	9563	9450	9362	2.74	cps
Molybdenum	98-1	24027	24214	24244	24161	0.49	cps
Neodymium	150-1	62628	64162	64135	63642	1.38	cps
Neodymium	150-2	37503	36373	36885	36920	1.53	cps
Nickel	60-2	140387	139911	138524	139607	0.69	cps
Phosphorus	31-2	19800	19656	19656	19704	0.42	cps
Potassium	39-2	2171411	2151773	2157617	2160267	0.47	cps
Rhodium	103-1	5039485	5085945	4996886	5040772	0.88	cps
Rhodium	103-2	3097938	3108255	3056216	3087470	0.89	cps
Scandium	45-1	3346081	3367298	3306393	3339924	0.93	cps
Scandium	45-2	314246	318226	313112	315195	0.85	cps
Selenium	82-1	1409	1327	1336	1357	3.30	cps
Selenium	77-2	240	173	287	233	24.41	cps
Selenium	78-2	850	677	750	759	11.47	cps
Silicon	28-1	11156857	11201773	11308402	11222344	0.69	cps
Silver	107-1	85728	87599	86717	86681	1.08	cps
Silver	109-1	80016	81889	83113	81673	1.91	cps
Sodium	23-2	195650	195027	194581	195086	0.28	cps
Strontium	86-1	270789	276262	277321	274791	1.28	cps
Strontium	88-1	2510295	2583602	2560200	2551366	1.47	cps
Sulfur	34-1	163693	165997	167002	165564	1.02	cps
Terbium	159-1	6140623	6216351	6097005	6151326	0.98	cps
Terbium	159-2	4028680	4062554	4044453	4045229	0.42	cps
Thallium	203-1	2104	1957	1807	1956	7.59	cps
Thallium	205-1	4521	4894	4761	4725	4.01	cps
Tin	118-1	1164194	1180390	1190517	1178367	1.13	cps
Titanium	47-1	892032	904049	905833	900638	0.83	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-12DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE5	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:39:17	DataFile Name :	139SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13944	13961	14104	14003	0.63	cps
Vanadium	51-2	181968	182295	182109	182124	0.09	cps
Yttrium	89-1	9745923	9708363	9678399	9710895	0.35	cps
Yttrium	89-2	2534651	2543585	2494662	2524299	1.03	cps
Zinc	66-2	2030253	2032623	2064394	2042423	0.93	cps
Zirconium	90-1	183899	185490	188097	185828	1.14	cps
Zirconium	91-1	40603	41827	42264	41564	2.07	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-20DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBF1	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:42:17	DataFile Name :	140SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7495265	7440971	7357410	7431215	0.93	cps
Antimony	121-1	37332	37155	37870	37452	0.99	cps
Arsenic	75-2	71836	70336	70774	70982	1.09	cps
Barium	135-1	574667	572640	577857	575055	0.46	cps
Barium	137-1	989320	989252	1000278	992950	0.64	cps
Beryllium	9-1	1973	1937	2043	1985	2.73	cps
Bismuth	209-1	3363157	3832280	3871469	3688969	7.67	cps
Bismuth	209-2	3034119	3006418	3054015	3031517	0.79	cps
Bromine	81-1	9360	9410	9303	9357	0.57	cps
Bromine	81-2	607	673	620	633	5.57	cps
Cadmium	108-1	1467	1520	1717	1568	8.40	cps
Cadmium	106-1	3731	3564	3867	3721	4.08	cps
Cadmium	111-1	21639	21505	21559	21568	0.31	cps
Calcium	43-1	151745	150909	153656	152103	0.93	cps
Calcium	44-1	2400480	2413245	2433898	2415874	0.70	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	354045	348188	347266	349833	1.05	cps
Cobalt	59-2	142456	141878	142782	142372	0.32	cps
Copper	63-2	9457991	9307744	9324906	9363547	0.88	cps
Dysprosium	156-1	23086	23526	23283	23298	0.95	cps
Dysprosium	156-2	21079	21086	21443	21203	0.98	cps
Erbium	164-1	16393	16036	16487	16305	1.46	cps
Erbium	164-2	10978	10634	11028	10880	1.97	cps
Gadolinium	160-1	21447	21173	21333	21317	0.65	cps
Gadolinium	160-2	15422	14865	14424	14904	3.36	cps
Holmium	165-1	5117443	5914982	6002100	5678175	8.59	cps
Holmium	165-2	4076298	4051421	4034665	4054128	0.52	cps
Indium	115-1	4464038	5258650	5262193	4994960	9.21	cps
Indium	115-2	1828883	1782772	1792279	1801311	1.35	cps
Iron	56-2	112979325	113331695	112422988	112911336	0.41	cps
Iron	57-2	2797949	2795327	2772633	2788636	0.50	cps
Iron	54-2	6209733	6319176	6179566	6236159	1.18	cps
Krypton	83-1	257	273	233	254	7.90	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-20DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBF1	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:42:17	DataFile Name :	140SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2237711	2271114	2215643	2241489	1.25	cps
Lead	207-1	1931239	1990175	1967447	1962954	1.51	cps
Lead	208-1	8847835	8993003	8944111	8928316	0.83	cps
Lithium	6-1	305792	352091	356931	338271	8.35	cps
Magnesium	24-2	2777091	2754058	2738586	2756578	0.70	cps
Manganese	55-2	2001357	2026027	2015488	2014290	0.61	cps
Molybdenum	94-1	79294	80832	80463	80196	1.00	cps
Molybdenum	95-1	7779	7629	7795	7734	1.19	cps
Molybdenum	96-1	22351	22104	22013	22156	0.79	cps
Molybdenum	97-1	4878	4684	4707	4756	2.22	cps
Molybdenum	98-1	12092	11848	12682	12207	3.51	cps
Neodymium	150-1	52728	52678	53809	53072	1.20	cps
Neodymium	150-2	30386	30593	30029	30336	0.94	cps
Nickel	60-2	112344	112904	112780	112676	0.26	cps
Phosphorus	31-2	16509	16606	15948	16354	2.17	cps
Potassium	39-2	1759185	1734715	1709341	1734414	1.44	cps
Rhodium	103-1	4368336	5074365	5102928	4848543	8.58	cps
Rhodium	103-2	3088534	3060497	3092587	3080539	0.57	cps
Scandium	45-1	2835915	3289983	3352709	3159536	8.93	cps
Scandium	45-2	315115	311537	311797	312816	0.64	cps
Selenium	82-1	711	703	848	754	10.80	cps
Selenium	77-2	153	97	147	132	23.42	cps
Selenium	78-2	510	557	593	553	7.55	cps
Silicon	28-1	10806039	10793947	10834409	10811465	0.19	cps
Silver	107-1	50060	49962	50611	50211	0.70	cps
Silver	109-1	46337	47678	47688	47234	1.65	cps
Sodium	23-2	165122	165337	165786	165415	0.20	cps
Strontium	86-1	159590	160201	160263	160018	0.23	cps
Strontium	88-1	1466117	1463933	1393892	1441314	2.85	cps
Sulfur	34-1	152163	150108	149342	150538	0.97	cps
Terbium	159-1	5193211	6080218	6204371	5825933	9.47	cps
Terbium	159-2	3988892	4047777	3962435	3999701	1.09	cps
Thallium	203-1	1440	1343	1477	1420	4.85	cps
Thallium	205-1	3317	3117	3327	3254	3.64	cps
Tin	118-1	129539	130343	129647	129843	0.34	cps
Titanium	47-1	780563	796293	791556	789471	1.02	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-20DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBF1	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:42:17	DataFile Name :	140SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10424	10664	10217	10435	2.14	cps
Vanadium	51-2	200312	199569	200475	200119	0.24	cps
Yttrium	89-1	8420227	9749329	9725887	9298481	8.18	cps
Yttrium	89-2	2532287	2520485	2536803	2529858	0.33	cps
Zinc	66-2	918110	911932	914804	914948	0.34	cps
Zirconium	90-1	211055	211013	212661	211576	0.44	cps
Zirconium	91-1	46497	47366	46219	46694	1.28	cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-22DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBF3	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:45:22	DataFile Name :	141SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13529864	13444888	13535407	13503386	0.38	cps
Antimony	121-1	70729	73175	74243	72716	2.48	cps
Arsenic	75-2	66930	67044	67077	67017	0.12	cps
Barium	135-1	562215	578430	583307	574651	1.92	cps
Barium	137-1	989913	974389	995686	986663	1.12	cps
Beryllium	9-1	4487	4187	4311	4328	3.48	cps
Bismuth	209-1	4077903	4304421	4142524	4174950	2.79	cps
Bismuth	209-2	3215246	3294956	3205277	3238493	1.52	cps
Bromine	81-1	8196	8429	8689	8438	2.93	cps
Bromine	81-2	497	490	487	491	1.04	cps
Cadmium	108-1	1923	1970	1967	1953	1.33	cps
Cadmium	106-1	4064	4034	4227	4108	2.53	cps
Cadmium	111-1	24186	24483	24748	24472	1.15	cps
Calcium	43-1	159748	160800	165598	162049	1.92	cps
Calcium	44-1	2514163	2598696	2604045	2572301	1.96	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	703418	697041	702031	700830	0.48	cps
Cobalt	59-2	98463	97427	97484	97791	0.60	cps
Copper	63-2	14450769	14391997	14387641	14410136	0.24	cps
Dysprosium	156-1	18983	19704	20011	19566	2.70	cps
Dysprosium	156-2	17364	17831	17761	17652	1.43	cps
Erbium	164-1	13143	14111	13417	13557	3.68	cps
Erbium	164-2	9447	9056	9243	9249	2.11	cps
Gadolinium	160-1	17211	17591	17294	17365	1.15	cps
Gadolinium	160-2	12636	12669	12542	12616	0.52	cps
Holmium	165-1	5769093	6083022	5936046	5929387	2.65	cps
Holmium	165-2	3976961	3957498	4005498	3979986	0.61	cps
Indium	115-1	5036552	5349358	5122448	5169453	3.13	cps
Indium	115-2	1747518	1761561	1741275	1750118	0.59	cps
Iron	56-2	91151859	90769089	90003602	90641516	0.65	cps
Iron	57-2	2264678	2284413	2264924	2271339	0.50	cps
Iron	54-2	5051613	4987004	5064651	5034423	0.83	cps
Krypton	83-1	220	267	233	240	10.02	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-22DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBF3	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:45:22	DataFile Name :	141SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2860477	2936952	2972045	2923158	1.95	cps
Lead	207-1	2478215	2556968	2621490	2552224	2.81	cps
Lead	208-1	11265089	11592818	11815177	11557695	2.39	cps
Lithium	6-1	343363	349132	358940	350478	2.25	cps
Magnesium	24-2	3619175	3575569	3541306	3578683	1.09	cps
Manganese	55-2	1854593	1806678	1834541	1831937	1.31	cps
Molybdenum	94-1	125398	130083	130106	128529	2.11	cps
Molybdenum	95-1	17307	17347	18065	17573	2.43	cps
Molybdenum	96-1	39019	38237	38507	38588	1.03	cps
Molybdenum	97-1	10070	11368	11058	10832	6.26	cps
Molybdenum	98-1	27897	26901	28121	27640	2.35	cps
Neodymium	150-1	44343	45309	45309	44987	1.24	cps
Neodymium	150-2	25824	25727	25460	25670	0.73	cps
Nickel	60-2	178443	178760	178408	178537	0.11	cps
Phosphorus	31-2	11965	11628	12148	11914	2.22	cps
Potassium	39-2	1537284	1525563	1526577	1529808	0.42	cps
Rhodium	103-1	4994746	5179775	5014449	5062990	2.01	cps
Rhodium	103-2	3002493	3004879	2933699	2980357	1.36	cps
Scandium	45-1	3207132	3333818	3253182	3264711	1.96	cps
Scandium	45-2	306182	306830	303614	305542	0.56	cps
Selenium	82-1	1041	912	1020	991	6.94	cps
Selenium	77-2	143	123	150	139	9.99	cps
Selenium	78-2	660	677	587	641	7.47	cps
Silicon	28-1	12659214	12345272	12386321	12463602	1.37	cps
Silver	107-1	57524	58909	59157	58530	1.50	cps
Silver	109-1	55543	54382	55860	55262	1.41	cps
Sodium	23-2	190305	189303	191131	190246	0.48	cps
Strontium	86-1	158060	159987	163947	160665	1.87	cps
Strontium	88-1	1460835	1481739	1500656	1481077	1.34	cps
Sulfur	34-1	140496	138733	136426	138552	1.47	cps
Terbium	159-1	5978052	6285563	6044485	6102700	2.65	cps
Terbium	159-2	3933650	3980161	4009753	3974521	0.97	cps
Thallium	203-1	1273	1290	1333	1299	2.38	cps
Thallium	205-1	2974	3100	3070	3048	2.17	cps
Tin	118-1	285646	286399	288723	286923	0.56	cps
Titanium	47-1	1061386	1055334	1072208	1062976	0.80	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-22DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBF3	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:45:22	DataFile Name :	141SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14328	14201	14348	14292	0.56	cps
Vanadium	51-2	171769	171136	172569	171825	0.42	cps
Yttrium	89-1	9378198	9850157	9634465	9620940	2.46	cps
Yttrium	89-2	2431019	2440523	2450745	2440763	0.40	cps
Zinc	66-2	1568332	1572630	1576288	1572417	0.25	cps
Zirconium	90-1	320509	327256	335234	327666	2.25	cps
Zirconium	91-1	72083	72190	72565	72279	0.35	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13A	Instrumnet Name :	P7
Client Sample ID :	MYDBE6ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:48:24	DataFile Name :	142SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10785674	10659843	10614890	10686803	0.83	cps
Antimony	121-1	49776	51177	50592	50515	1.39	cps
Arsenic	75-2	436858	435813	434134	435602	0.32	cps
Barium	135-1	1896865	1931837	1971914	1933539	1.94	cps
Barium	137-1	3274620	3394880	3338813	3336104	1.80	cps
Beryllium	9-1	2260	2277	2200	2246	1.80	cps
Bismuth	209-1	3771530	3776254	3759313	3769032	0.23	cps
Bismuth	209-2	2995013	3030914	3043609	3023179	0.83	cps
Bromine	81-1	8806	8683	9066	8852	2.21	cps
Bromine	81-2	647	647	590	628	5.21	cps
Cadmium	108-1	2347	2407	2500	2418	3.20	cps
Cadmium	106-1	4951	5358	4954	5088	4.60	cps
Cadmium	111-1	27369	27505	27791	27555	0.78	cps
Calcium	43-1	356626	361332	365127	361028	1.18	cps
Calcium	44-1	5556003	5675562	5767443	5666336	1.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	598778	593639	589297	593905	0.80	cps
Cobalt	59-2	255069	255526	254005	254866	0.31	cps
Copper	63-2	10778173	10822935	10750556	10783888	0.34	cps
Dysprosium	156-1	61507	62943	62803	62418	1.27	cps
Dysprosium	156-2	58317	59254	59067	58879	0.84	cps
Erbium	164-1	36524	37179	37139	36948	0.99	cps
Erbium	164-2	24946	25129	25059	25045	0.37	cps
Gadolinium	160-1	51564	52598	52899	52354	1.34	cps
Gadolinium	160-2	37129	37788	37056	37324	1.08	cps
Holmium	165-1	5878152	5962716	5931090	5923986	0.72	cps
Holmium	165-2	3988361	4008396	4021778	4006178	0.42	cps
Indium	115-1	5071111	5153478	5139753	5121447	0.86	cps
Indium	115-2	1778621	1772766	1759735	1770374	0.55	cps
Iron	56-2	186603504	185307057	184867757	185592773	0.49	cps
Iron	57-2	4582274	4598958	4578180	4586471	0.24	cps
Iron	54-2	10283029	10291838	10167380	10247416	0.68	cps
Krypton	83-1	297	247	263	269	9.47	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13A	Instrumnet Name :	P7
Client Sample ID :	MYDBE6ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:48:24	DataFile Name :	142SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2955390	2933630	3014011	2967677	1.40	cps
Lead	207-1	2627949	2669527	2723529	2673668	1.79	cps
Lead	208-1	11819039	11889200	12170140	11959460	1.55	cps
Lithium	6-1	348756	355992	346662	350470	1.40	cps
Magnesium	24-2	5027364	5035680	4966112	5009719	0.76	cps
Manganese	55-2	4118120	4103572	4044450	4088714	0.95	cps
Molybdenum	94-1	202684	207218	208928	206277	1.56	cps
Molybdenum	95-1	9710	9870	9837	9806	0.86	cps
Molybdenum	96-1	44678	44698	45417	44931	0.94	cps
Molybdenum	97-1	5791	6228	5978	5999	3.65	cps
Molybdenum	98-1	14678	15171	15088	14979	1.76	cps
Neodymium	150-1	153004	155336	156272	154871	1.09	cps
Neodymium	150-2	89998	89203	89881	89694	0.48	cps
Nickel	60-2	244114	243850	245156	244374	0.28	cps
Phosphorus	31-2	42168	42880	41650	42233	1.46	cps
Potassium	39-2	2319702	2349990	2331836	2333843	0.65	cps
Rhodium	103-1	4807137	4935514	4907933	4883528	1.38	cps
Rhodium	103-2	2997405	3030829	2991405	3006546	0.71	cps
Scandium	45-1	3271975	3349710	3318389	3313358	1.18	cps
Scandium	45-2	317495	313392	314733	315207	0.66	cps
Selenium	82-1	2717	2902	2898	2839	3.71	cps
Selenium	77-2	500	510	483	498	2.71	cps
Selenium	78-2	1387	1373	1313	1358	2.88	cps
Silicon	28-1	18898016	19153817	19431963	19161266	1.39	cps
Silver	107-1	72563	75070	75890	74508	2.33	cps
Silver	109-1	68759	70507	71133	70133	1.75	cps
Sodium	23-2	376428	378485	377575	377496	0.27	cps
Strontium	86-1	619792	633183	640478	631151	1.66	cps
Strontium	88-1	5634890	5674244	5899935	5736357	2.49	cps
Sulfur	34-1	138841	140923	139102	139622	0.81	cps
Terbium	159-1	6023211	6155795	5989732	6056246	1.45	cps
Terbium	159-2	3996271	3956013	4015668	3989318	0.76	cps
Thallium	203-1	2594	2517	2607	2572	1.89	cps
Thallium	205-1	6181	6165	6515	6287	3.14	cps
Tin	118-1	107685	111037	111834	110185	2.00	cps
Titanium	47-1	1726294	1752737	1784292	1754441	1.66	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13A	Instrumnet Name :	P7
Client Sample ID :	MYDBE6ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 01:48:24	DataFile Name :	142SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	27943	28604	28868	28472	1.67	cps
Vanadium	51-2	356334	356166	356066	356189	0.04	cps
Yttrium	89-1	9818042	9780401	9990371	9862938	1.14	cps
Yttrium	89-2	2547236	2547644	2573124	2556001	0.58	cps
Zinc	66-2	3697122	3639420	3672968	3669837	0.79	cps
Zirconium	90-1	541012	550018	554968	548666	1.29	cps
Zirconium	91-1	121152	123925	123650	122909	1.24	cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-01DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD4	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:51:25	DataFile Name :	143SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16220195	16045149	16199414	16154920	0.59	cps
Antimony	121-1	87886	90167	91301	89785	1.94	cps
Arsenic	75-2	65052	62872	62641	63522	2.09	cps
Barium	135-1	531583	536707	540219	536170	0.81	cps
Barium	137-1	896806	902855	905906	901856	0.51	cps
Beryllium	9-1	3851	4137	3834	3941	4.33	cps
Bismuth	209-1	4025062	3992074	4003230	4006789	0.42	cps
Bismuth	209-2	3166400	3167441	3149605	3161148	0.32	cps
Bromine	81-1	8132	8156	7839	8042	2.20	cps
Bromine	81-2	440	433	453	442	2.30	cps
Cadmium	108-1	2107	2127	2054	2096	1.81	cps
Cadmium	106-1	4254	4254	4194	4234	0.82	cps
Cadmium	111-1	26361	26915	26563	26613	1.05	cps
Calcium	43-1	115463	118754	117901	117373	1.46	cps
Calcium	44-1	1880205	1872479	1915475	1889386	1.21	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	828771	828077	828342	828396	0.04	cps
Cobalt	59-2	89361	88516	89964	89280	0.81	cps
Copper	63-2	13868964	13707826	13712549	13763113	0.67	cps
Dysprosium	156-1	17578	18709	18452	18246	3.25	cps
Dysprosium	156-2	16333	16643	17097	16691	2.30	cps
Erbium	164-1	11552	11642	12085	11760	2.43	cps
Erbium	164-2	7812	7459	7662	7644	2.32	cps
Gadolinium	160-1	15168	15686	15839	15564	2.26	cps
Gadolinium	160-2	11004	11161	11338	11168	1.49	cps
Holmium	165-1	5918909	5932158	6015844	5955637	0.88	cps
Holmium	165-2	4006585	4019643	3895505	3973911	1.72	cps
Indium	115-1	5155416	5198439	5186996	5180284	0.43	cps
Indium	115-2	1771620	1759795	1777044	1769487	0.50	cps
Iron	56-2	66026511	65096092	66103767	65742123	0.85	cps
Iron	57-2	1654890	1621590	1620816	1632432	1.19	cps
Iron	54-2	3754873	3657449	3645430	3685917	1.63	cps
Krypton	83-1	243	210	297	250	17.49	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-01DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD4	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:51:25	DataFile Name :	143SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2891205	2948336	2930037	2923193	1.00	cps
Lead	207-1	2532274	2582951	2590272	2568499	1.23	cps
Lead	208-1	11439323	11665426	11645716	11583488	1.08	cps
Lithium	6-1	359228	353726	350563	354506	1.24	cps
Magnesium	24-2	3780433	3800108	3729838	3770126	0.96	cps
Manganese	55-2	1805640	1748530	1802279	1785483	1.79	cps
Molybdenum	94-1	113892	117259	118499	116550	2.05	cps
Molybdenum	95-1	17761	19059	18342	18387	3.54	cps
Molybdenum	96-1	36846	37568	36642	37019	1.31	cps
Molybdenum	97-1	10320	11335	11771	11142	6.68	cps
Molybdenum	98-1	28899	29176	29299	29125	0.70	cps
Neodymium	150-1	43096	43945	43754	43598	1.02	cps
Neodymium	150-2	25503	25022	25697	25407	1.37	cps
Nickel	60-2	190287	189881	190614	190261	0.19	cps
Phosphorus	31-2	13790	14460	14187	14146	2.38	cps
Potassium	39-2	1186575	1180440	1188789	1185268	0.36	cps
Rhodium	103-1	5002395	4970832	4865193	4946140	1.45	cps
Rhodium	103-2	3051795	3030495	3009231	3030507	0.70	cps
Scandium	45-1	3225771	3210103	3155028	3196967	1.16	cps
Scandium	45-2	307079	304877	306356	306104	0.37	cps
Selenium	82-1	732	907	714	785	13.59	cps
Selenium	77-2	120	93	120	111	13.86	cps
Selenium	78-2	547	557	447	517	11.77	cps
Silicon	28-1	13796473	14015585	13792861	13868306	0.92	cps
Silver	107-1	46655	48745	48424	47941	2.35	cps
Silver	109-1	44264	44862	45254	44793	1.11	cps
Sodium	23-2	210445	210030	211020	210498	0.24	cps
Strontium	86-1	172425	175802	178453	175560	1.72	cps
Strontium	88-1	1604732	1654161	1660707	1639867	1.87	cps
Sulfur	34-1	126444	125611	127366	126474	0.69	cps
Terbium	159-1	6111463	6112402	5973752	6065872	1.32	cps
Terbium	159-2	3959356	3982095	3940973	3960808	0.52	cps
Thallium	203-1	1040	903	903	949	8.32	cps
Thallium	205-1	2067	2270	2237	2191	4.98	cps
Tin	118-1	280952	285399	283445	283265	0.79	cps
Titanium	47-1	914643	920553	918102	917766	0.32	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-01DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD4	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:51:25	DataFile Name :	143SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13927	14011	14331	14090	1.51	cps
Vanadium	51-2	165793	166084	168896	166924	1.03	cps
Yttrium	89-1	9561009	9559378	9519504	9546630	0.25	cps
Yttrium	89-2	2432030	2455570	2412517	2433372	0.89	cps
Zinc	66-2	1919961	1911186	1903867	1911671	0.42	cps
Zirconium	90-1	287974	297994	292967	292978	1.71	cps
Zirconium	91-1	62452	64207	64929	63863	1.99	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-02DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD5	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:54:28	DataFile Name :	144SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8431258	8432470	8401216	8421648	0.21	cps
Antimony	121-1	41550	43308	43349	42736	2.40	cps
Arsenic	75-2	79625	79589	80557	79924	0.69	cps
Barium	135-1	741406	764783	769274	758488	1.97	cps
Barium	137-1	1282559	1296559	1318243	1299120	1.38	cps
Beryllium	9-1	1977	2007	2077	2020	2.54	cps
Bismuth	209-1	3851739	3798793	3825370	3825301	0.69	cps
Bismuth	209-2	2990872	3076201	3039447	3035506	1.41	cps
Bromine	81-1	8246	8099	8456	8267	2.17	cps
Bromine	81-2	390	490	433	438	11.45	cps
Cadmium	108-1	1610	1683	1617	1637	2.48	cps
Cadmium	106-1	3751	3584	3837	3724	3.46	cps
Cadmium	111-1	22143	21922	21742	21936	0.92	cps
Calcium	43-1	145256	151762	149519	148845	2.22	cps
Calcium	44-1	2365899	2400750	2415420	2394023	1.06	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	425622	424667	431267	427185	0.83	cps
Cobalt	59-2	110359	108879	110786	110008	0.91	cps
Copper	63-2	9788176	9736531	9672114	9732274	0.60	cps
Dysprosium	156-1	25350	26184	25657	25730	1.64	cps
Dysprosium	156-2	24198	24004	23837	24013	0.75	cps
Erbium	164-1	15669	16310	16343	16107	2.36	cps
Erbium	164-2	11258	11041	10751	11017	2.31	cps
Gadolinium	160-1	22288	22051	22785	22375	1.68	cps
Gadolinium	160-2	16009	15539	15949	15832	1.62	cps
Holmium	165-1	5935189	6057363	5967691	5986748	1.06	cps
Holmium	165-2	4051307	4119724	4049896	4073642	0.98	cps
Indium	115-1	5141175	5227273	5144851	5171100	0.94	cps
Indium	115-2	1762943	1834085	1784718	1793915	2.03	cps
Iron	56-2	156133961	156145051	154258658	155512557	0.70	cps
Iron	57-2	3851747	3843528	3889653	3861643	0.64	cps
Iron	54-2	8592302	8620918	8624858	8612693	0.21	cps
Krypton	83-1	237	277	233	249	9.69	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-02DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD5	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:54:28	DataFile Name :	144SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2929473	3031641	2959157	2973424	1.77	cps
Lead	207-1	2540513	2673242	2704975	2639577	3.31	cps
Lead	208-1	11609828	12052716	12019422	11893988	2.07	cps
Lithium	6-1	353565	363872	352690	356709	1.74	cps
Magnesium	24-2	2741917	2762230	2827660	2777269	1.61	cps
Manganese	55-2	1937935	1937984	1936204	1937374	0.05	cps
Molybdenum	94-1	91054	95673	94546	93758	2.57	cps
Molybdenum	95-1	8713	8913	9040	8888	1.85	cps
Molybdenum	96-1	25499	26234	26604	26112	2.15	cps
Molybdenum	97-1	5241	5348	5511	5367	2.53	cps
Molybdenum	98-1	13383	14417	13897	13899	3.72	cps
Neodymium	150-1	60790	63221	61731	61914	1.98	cps
Neodymium	150-2	35635	35832	35455	35641	0.53	cps
Nickel	60-2	138412	139046	137618	138359	0.52	cps
Phosphorus	31-2	16529	17513	16793	16945	3.01	cps
Potassium	39-2	1534568	1502601	1500629	1512599	1.26	cps
Rhodium	103-1	5013396	5043994	4998167	5018519	0.47	cps
Rhodium	103-2	3096815	3083078	3044882	3074925	0.88	cps
Scandium	45-1	3272521	3250239	3257092	3259951	0.35	cps
Scandium	45-2	310559	309801	310568	310309	0.14	cps
Selenium	82-1	814	757	835	802	5.03	cps
Selenium	77-2	187	183	143	171	14.09	cps
Selenium	78-2	620	477	633	577	15.06	cps
Silicon	28-1	10608739	11094490	11136126	10946452	2.68	cps
Silver	107-1	45414	46327	45441	45727	1.14	cps
Silver	109-1	42960	43107	43278	43115	0.37	cps
Sodium	23-2	126330	125880	126676	126295	0.32	cps
Strontium	86-1	179112	180196	183032	180780	1.12	cps
Strontium	88-1	1637919	1664876	1660566	1654453	0.88	cps
Sulfur	34-1	138154	139214	140213	139194	0.74	cps
Terbium	159-1	6182421	6158067	6127104	6155864	0.45	cps
Terbium	159-2	4050481	4020888	4005660	4025676	0.57	cps
Thallium	203-1	1373	1330	1430	1378	3.64	cps
Thallium	205-1	2990	3107	3104	3067	2.17	cps
Tin	118-1	485216	492034	500512	492587	1.56	cps
Titanium	47-1	828749	848920	855298	844322	1.64	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-02DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD5	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:54:28	DataFile Name :	144SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10221	10641	10494	10452	2.04	cps
Vanadium	51-2	158399	159368	158352	158706	0.36	cps
Yttrium	89-1	9535284	9741472	9421398	9566052	1.70	cps
Yttrium	89-2	2506302	2475573	2486381	2489419	0.63	cps
Zinc	66-2	1367044	1364563	1363554	1365054	0.13	cps
Zirconium	90-1	242103	250182	250606	247630	1.93	cps
Zirconium	91-1	53631	54447	56010	54696	2.21	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-03DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD6	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:57:33	DataFile Name :	145SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	18697214	18819422	18901784	18806140	0.55	cps
Antimony	121-1	121936	122782	123901	122873	0.80	cps
Arsenic	75-2	41712	41588	41113	41471	0.76	cps
Barium	135-1	487273	494397	495249	492306	0.89	cps
Barium	137-1	841053	850528	855122	848901	0.85	cps
Beryllium	9-1	5024	4937	4891	4951	1.37	cps
Bismuth	209-1	4093075	4082461	4111764	4095767	0.36	cps
Bismuth	209-2	3281157	3297786	3208024	3262323	1.46	cps
Bromine	81-1	8723	8469	8733	8641	1.73	cps
Bromine	81-2	400	423	447	423	5.51	cps
Cadmium	108-1	2134	2360	2114	2202	6.22	cps
Cadmium	106-1	4774	4727	4634	4712	1.51	cps
Cadmium	111-1	26499	26542	26996	26679	1.03	cps
Calcium	43-1	109653	109851	110768	110091	0.54	cps
Calcium	44-1	1742708	1761484	1783340	1762510	1.15	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1195728	1203876	1191939	1197181	0.51	cps
Cobalt	59-2	97038	97665	96364	97022	0.67	cps
Copper	63-2	17676926	17473972	17481133	17544011	0.66	cps
Dysprosium	156-1	12973	13276	13356	13202	1.53	cps
Dysprosium	156-2	12489	12022	12162	12224	1.96	cps
Erbium	164-1	8513	9050	8619	8727	3.26	cps
Erbium	164-2	6015	6148	5985	6049	1.44	cps
Gadolinium	160-1	10878	11705	11545	11376	3.86	cps
Gadolinium	160-2	8476	7886	8239	8200	3.62	cps
Holmium	165-1	5970112	5964222	5891858	5942064	0.73	cps
Holmium	165-2	3986397	4097611	4011275	4031761	1.45	cps
Indium	115-1	5153071	5120665	5162664	5145467	0.43	cps
Indium	115-2	1782431	1776951	1764302	1774562	0.52	cps
Iron	56-2	61534219	61483124	61541822	61519722	0.05	cps
Iron	57-2	1532146	1506240	1513740	1517375	0.88	cps
Iron	54-2	3457306	3423153	3450354	3443604	0.52	cps
Krypton	83-1	247	240	200	229	11.03	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-03DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD6	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:57:33	DataFile Name :	145SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3581941	3654990	3599780	3612237	1.05	cps
Lead	207-1	3149186	3155840	3202496	3169174	0.92	cps
Lead	208-1	14204167	14261957	14393527	14286550	0.68	cps
Lithium	6-1	357541	360675	353401	357206	1.02	cps
Magnesium	24-2	5551619	5556967	5513686	5540758	0.43	cps
Manganese	55-2	1801835	1840533	1819695	1820687	1.06	cps
Molybdenum	94-1	184742	188101	188269	187037	1.06	cps
Molybdenum	95-1	27369	28802	28478	28216	2.66	cps
Molybdenum	96-1	57992	59792	59270	59018	1.57	cps
Molybdenum	97-1	17781	17481	17631	17631	0.85	cps
Molybdenum	98-1	45143	45654	44989	45262	0.77	cps
Neodymium	150-1	31001	30847	31599	31149	1.27	cps
Neodymium	150-2	17137	17701	18195	17678	2.99	cps
Nickel	60-2	270652	267538	267664	268618	0.66	cps
Phosphorus	31-2	8596	8526	8512	8545	0.52	cps
Potassium	39-2	1201256	1199233	1237792	1212760	1.79	cps
Rhodium	103-1	5008659	5039380	4886703	4978247	1.62	cps
Rhodium	103-2	3047514	2991247	3010424	3016395	0.95	cps
Scandium	45-1	3202507	3229330	3175124	3202320	0.85	cps
Scandium	45-2	300173	302907	303798	302293	0.62	cps
Selenium	82-1	764	812	970	849	12.70	cps
Selenium	77-2	80	123	90	98	23.21	cps
Selenium	78-2	440	570	600	537	15.85	cps
Silicon	28-1	16020464	16289904	16595633	16302000	1.77	cps
Silver	107-1	62845	64546	63770	63720	1.34	cps
Silver	109-1	59993	59957	60948	60299	0.93	cps
Sodium	23-2	210202	208950	209175	209443	0.32	cps
Strontium	86-1	124145	125242	125641	125010	0.62	cps
Strontium	88-1	1082462	1104570	1093294	1093442	1.01	cps
Sulfur	34-1	140744	139685	137596	139341	1.15	cps
Terbium	159-1	6064727	6058737	6091784	6071749	0.29	cps
Terbium	159-2	3981531	3939058	3967373	3962654	0.55	cps
Thallium	203-1	780	673	793	749	8.78	cps
Thallium	205-1	1890	1867	1823	1860	1.82	cps
Tin	118-1	366027	372272	371973	370091	0.95	cps
Titanium	47-1	1017377	1034916	1038189	1030161	1.09	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-03DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD6	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 01:57:33	DataFile Name :	145SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11789	11955	11942	11895	0.78	cps
Vanadium	51-2	171760	173169	170988	171972	0.64	cps
Yttrium	89-1	9434636	9423550	9308165	9388784	0.75	cps
Yttrium	89-2	2412060	2441273	2413658	2422330	0.68	cps
Zinc	66-2	2375137	2343787	2339589	2352838	0.83	cps
Zirconium	90-1	469607	474794	472761	472387	0.55	cps
Zirconium	91-1	102881	106369	105453	104901	1.72	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-04DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD7	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:00:35	DataFile Name :	146SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11088470	10987615	10815293	10963793	1.26	cps
Antimony	121-1	49083	50850	50170	50034	1.78	cps
Arsenic	75-2	93549	93623	92442	93205	0.71	cps
Barium	135-1	1021370	1040053	1050181	1037201	1.41	cps
Barium	137-1	1905227	1969951	1944752	1939977	1.68	cps
Beryllium	9-1	2764	2837	2757	2786	1.59	cps
Bismuth	209-1	3892947	3907495	3835610	3878684	0.98	cps
Bismuth	209-2	3094474	3096055	3119094	3103208	0.44	cps
Bromine	81-1	8129	8216	8092	8146	0.78	cps
Bromine	81-2	417	367	367	383	7.53	cps
Cadmium	108-1	1687	1737	1960	1795	8.11	cps
Cadmium	106-1	3907	3814	3837	3853	1.26	cps
Cadmium	111-1	23641	24579	24710	24310	2.40	cps
Calcium	43-1	187494	189739	190672	189302	0.86	cps
Calcium	44-1	2977447	3026711	3003058	3002405	0.82	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	599876	598144	596606	598209	0.27	cps
Cobalt	59-2	151857	152375	148264	150832	1.48	cps
Copper	63-2	10761794	10733585	10580724	10692034	0.91	cps
Dysprosium	156-1	34031	34987	35428	34815	2.05	cps
Dysprosium	156-2	32334	32661	32979	32658	0.99	cps
Erbium	164-1	20862	20916	20972	20917	0.26	cps
Erbium	164-2	13937	13824	13420	13727	1.98	cps
Gadolinium	160-1	28696	29177	29140	29004	0.92	cps
Gadolinium	160-2	20375	20672	21210	20752	2.04	cps
Holmium	165-1	6045163	6094689	5927278	6022377	1.43	cps
Holmium	165-2	4115740	4089852	4042519	4082704	0.91	cps
Indium	115-1	5241364	5261332	5246582	5249759	0.20	cps
Indium	115-2	1760660	1791442	1783869	1778657	0.90	cps
Iron	56-2	114212082	113478825	112355245	113348717	0.83	cps
Iron	57-2	2821502	2801016	2795143	2805887	0.49	cps
Iron	54-2	6377457	6314916	6282360	6324911	0.76	cps
Krypton	83-1	270	300	210	260	17.63	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-04DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD7	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:00:35	DataFile Name :	146SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2521501	2521731	2585120	2542784	1.44	cps
Lead	207-1	2217247	2257369	2315107	2263241	2.17	cps
Lead	208-1	10125541	10237710	10355953	10239735	1.13	cps
Lithium	6-1	354216	363261	357433	358303	1.28	cps
Magnesium	24-2	3445426	3517297	3425685	3462803	1.39	cps
Manganese	55-2	2461044	2448632	2451572	2453749	0.26	cps
Molybdenum	94-1	67602	68650	70124	68792	1.84	cps
Molybdenum	95-1	12819	13019	13163	13000	1.33	cps
Molybdenum	96-1	24671	25596	24861	25043	1.95	cps
Molybdenum	97-1	7969	7876	8319	8055	2.90	cps
Molybdenum	98-1	19840	20805	20905	20517	2.87	cps
Neodymium	150-1	85303	87117	88351	86924	1.76	cps
Neodymium	150-2	50008	50514	49617	50046	0.90	cps
Nickel	60-2	194215	192949	192699	193288	0.42	cps
Phosphorus	31-2	31469	31963	31329	31587	1.06	cps
Potassium	39-2	1505655	1520842	1496526	1507674	0.81	cps
Rhodium	103-1	5076102	4941602	5051609	5023104	1.43	cps
Rhodium	103-2	3046637	3036162	3038566	3040455	0.18	cps
Scandium	45-1	3283648	3279276	3297704	3286876	0.29	cps
Scandium	45-2	310336	311371	311698	311135	0.23	cps
Selenium	82-1	792	746	889	809	9.03	cps
Selenium	77-2	180	190	223	198	11.47	cps
Selenium	78-2	630	570	613	604	5.12	cps
Silicon	28-1	11173776	11380275	11361344	11305132	1.01	cps
Silver	107-1	46531	47507	48410	47483	1.98	cps
Silver	109-1	43512	43632	45321	44155	2.29	cps
Sodium	23-2	410878	415675	411745	412766	0.62	cps
Strontium	86-1	427081	433729	430520	430443	0.77	cps
Strontium	88-1	3923270	3964050	3917633	3934984	0.64	cps
Sulfur	34-1	140358	140603	141340	140767	0.36	cps
Terbium	159-1	6174647	6243240	6209422	6209103	0.55	cps
Terbium	159-2	4036492	4093611	4032567	4054223	0.84	cps
Thallium	203-1	1410	1393	1577	1460	6.94	cps
Thallium	205-1	3284	3337	3801	3474	8.18	cps
Tin	118-1	160746	164643	166062	163817	1.68	cps
Titanium	47-1	1089408	1116140	1113903	1106484	1.34	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-04DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD7	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:00:35	DataFile Name :	146SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17198	17371	17518	17363	0.92	cps
Vanadium	51-2	217322	218460	215120	216967	0.78	cps
Yttrium	89-1	9803436	9789595	9712519	9768517	0.50	cps
Yttrium	89-2	2536314	2527772	2457755	2507280	1.72	cps
Zinc	66-2	1209633	1217447	1197494	1208191	0.83	cps
Zirconium	90-1	167074	169232	170880	169062	1.13	cps
Zirconium	91-1	37517	37986	37973	37825	0.71	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-05DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD8	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:03:39	DataFile Name :	147SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	22511275	22307837	22764612	22527908	1.02	cps
Antimony	121-1	145784	147730	146875	146796	0.66	cps
Arsenic	75-2	52017	51787	52208	52004	0.41	cps
Barium	135-1	566057	585727	577742	576509	1.72	cps
Barium	137-1	985721	987698	1007826	993748	1.23	cps
Beryllium	9-1	6135	6375	6568	6359	3.42	cps
Bismuth	209-1	4323006	4310207	4286772	4306662	0.43	cps
Bismuth	209-2	3313041	3383282	3421888	3372737	1.64	cps
Bromine	81-1	8092	8729	8513	8445	3.84	cps
Bromine	81-2	527	390	447	454	15.11	cps
Cadmium	108-1	2534	2794	2624	2650	4.98	cps
Cadmium	106-1	5194	5441	5488	5374	2.93	cps
Cadmium	111-1	30918	31263	31505	31229	0.94	cps
Calcium	43-1	132843	135819	135839	134834	1.28	cps
Calcium	44-1	2103061	2175801	2161618	2146826	1.80	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1150886	1153998	1151050	1151978	0.15	cps
Cobalt	59-2	103433	102736	102410	102860	0.51	cps
Copper	63-2	19675198	19540510	19543054	19586254	0.39	cps
Dysprosium	156-1	16213	16957	16840	16670	2.40	cps
Dysprosium	156-2	15963	15529	15569	15687	1.53	cps
Erbium	164-1	11111	11248	11285	11215	0.82	cps
Erbium	164-2	7515	7642	7425	7528	1.45	cps
Gadolinium	160-1	14598	14458	14905	14653	1.56	cps
Gadolinium	160-2	10728	10391	10541	10553	1.60	cps
Holmium	165-1	5881870	5957950	5979167	5939662	0.86	cps
Holmium	165-2	4048657	4001267	4003077	4017667	0.67	cps
Indium	115-1	5179028	5177910	5199080	5185339	0.23	cps
Indium	115-2	1771037	1782919	1766506	1773487	0.48	cps
Iron	56-2	77711654	76963509	77432424	77369196	0.49	cps
Iron	57-2	1915957	1931346	1948568	1931957	0.84	cps
Iron	54-2	4348590	4307150	4337181	4330974	0.49	cps
Krypton	83-1	190	200	240	210	12.60	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-05DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD8	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:03:39	DataFile Name :	147SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4171136	4256384	4228727	4218749	1.03	cps
Lead	207-1	3725475	3783381	3694497	3734451	1.21	cps
Lead	208-1	16651066	17094792	16775773	16840543	1.36	cps
Lithium	6-1	366124	378666	354083	366291	3.36	cps
Magnesium	24-2	6663319	6539852	6684739	6629303	1.18	cps
Manganese	55-2	2101637	2111651	2095168	2102819	0.39	cps
Molybdenum	94-1	230931	237508	236452	234964	1.50	cps
Molybdenum	95-1	32744	32907	32780	32810	0.26	cps
Molybdenum	96-1	71454	71883	73544	72294	1.53	cps
Molybdenum	97-1	20364	20878	20701	20648	1.26	cps
Molybdenum	98-1	51795	53668	52029	52497	1.94	cps
Neodymium	150-1	41267	41270	41233	41257	0.05	cps
Neodymium	150-2	23283	23860	23423	23522	1.28	cps
Nickel	60-2	244361	247239	244009	245203	0.72	cps
Phosphorus	31-2	10981	10824	11331	11045	2.35	cps
Potassium	39-2	1439573	1469180	1464991	1457915	1.10	cps
Rhodium	103-1	4934057	4949058	4981675	4954930	0.49	cps
Rhodium	103-2	3003862	3018337	3008581	3010260	0.25	cps
Scandium	45-1	3242952	3265710	3231180	3246614	0.54	cps
Scandium	45-2	305743	306760	307003	306502	0.22	cps
Selenium	82-1	1335	1301	1256	1297	3.03	cps
Selenium	77-2	193	153	180	176	11.60	cps
Selenium	78-2	677	733	640	683	6.88	cps
Silicon	28-1	16174569	17055374	17017031	16748991	2.97	cps
Silver	107-1	72724	74963	73770	73819	1.52	cps
Silver	109-1	68545	70212	70969	69909	1.77	cps
Sodium	23-2	245602	245221	246504	245775	0.27	cps
Strontium	86-1	157366	158754	159378	158499	0.65	cps
Strontium	88-1	1359593	1446255	1459900	1421916	3.83	cps
Sulfur	34-1	147934	148685	149931	148850	0.68	cps
Terbium	159-1	6130859	6184918	6229063	6181614	0.80	cps
Terbium	159-2	4072600	4018297	3967787	4019561	1.30	cps
Thallium	203-1	1083	927	917	976	9.58	cps
Thallium	205-1	2017	2117	2270	2135	5.98	cps
Tin	118-1	375100	384385	390467	383317	2.02	cps
Titanium	47-1	1138664	1162450	1184069	1161728	1.95	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-05DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD8	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:03:39	DataFile Name :	147SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14418	14651	14645	14571	0.91	cps
Vanadium	51-2	205018	206792	205515	205775	0.44	cps
Yttrium	89-1	9577555	9530002	9420192	9509250	0.85	cps
Yttrium	89-2	2494124	2475589	2418744	2462819	1.59	cps
Zinc	66-2	2702043	2746722	2740408	2729724	0.89	cps
Zirconium	90-1	588044	598826	598254	595041	1.02	cps
Zirconium	91-1	130004	132462	134894	132453	1.85	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-06DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD9	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:06:41	DataFile Name :	148SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6099747	6056129	6013028	6056301	0.72	cps
Antimony	121-1	46492	47876	47368	47245	1.48	cps
Arsenic	75-2	146542	146835	145350	146242	0.54	cps
Barium	135-1	680872	690476	686273	685874	0.70	cps
Barium	137-1	1172118	1187032	1194055	1184402	0.95	cps
Beryllium	9-1	1337	1433	1560	1443	7.76	cps
Bismuth	209-1	3812613	3805058	3824954	3814208	0.26	cps
Bismuth	209-2	3042340	2995346	3051414	3029700	0.99	cps
Bromine	81-1	7662	8169	7649	7827	3.79	cps
Bromine	81-2	323	310	333	322	3.63	cps
Cadmium	108-1	1390	1370	1283	1348	4.21	cps
Cadmium	106-1	3264	3420	3330	3338	2.36	cps
Cadmium	111-1	18659	19370	18960	18996	1.88	cps
Calcium	43-1	152637	154814	156451	154634	1.24	cps
Calcium	44-1	2429643	2474720	2484175	2462846	1.18	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	360935	362485	360963	361461	0.25	cps
Cobalt	59-2	125688	126081	125846	125872	0.16	cps
Copper	63-2	8271835	8184907	8191074	8215939	0.59	cps
Dysprosium	156-1	32310	33025	32708	32681	1.10	cps
Dysprosium	156-2	30914	30881	30777	30857	0.23	cps
Erbium	164-1	19384	19834	20008	19742	1.63	cps
Erbium	164-2	13747	12816	12589	13051	4.70	cps
Gadolinium	160-1	26308	27056	27504	26956	2.24	cps
Gadolinium	160-2	19487	19323	19333	19381	0.47	cps
Holmium	165-1	5808992	5867973	5885148	5854037	0.68	cps
Holmium	165-2	4000390	3877967	4003287	3960548	1.81	cps
Indium	115-1	5159298	5265520	5217615	5214144	1.02	cps
Indium	115-2	1776985	1748061	1766177	1763741	0.83	cps
Iron	56-2	102978572	103913938	102523972	103138827	0.69	cps
Iron	57-2	2553632	2582568	2571297	2569166	0.57	cps
Iron	54-2	5727025	5706001	5679956	5704327	0.41	cps
Krypton	83-1	283	270	293	282	4.15	cps

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-06DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD9	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:06:41	DataFile Name :	148SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2807703	2840716	2805894	2818104	0.70	cps
Lead	207-1	2549461	2573477	2524332	2549090	0.96	cps
Lead	208-1	11381510	11404594	11420685	11402263	0.17	cps
Lithium	6-1	347343	354673	354873	352296	1.22	cps
Magnesium	24-2	2955135	2986314	2960015	2967155	0.57	cps
Manganese	55-2	1947287	1970488	1945753	1954509	0.71	cps
Molybdenum	94-1	74418	78824	77256	76833	2.91	cps
Molybdenum	95-1	7972	7559	8129	7887	3.74	cps
Molybdenum	96-1	20882	21559	21503	21315	1.76	cps
Molybdenum	97-1	4464	5221	4894	4860	7.81	cps
Molybdenum	98-1	12082	12589	12752	12474	2.80	cps
Neodymium	150-1	79288	79945	81926	80386	1.71	cps
Neodymium	150-2	45513	46342	46333	46063	1.03	cps
Nickel	60-2	133707	137296	134595	135200	1.38	cps
Phosphorus	31-2	25595	25712	25074	25460	1.33	cps
Potassium	39-2	1160183	1166201	1157289	1161224	0.39	cps
Rhodium	103-1	5048047	5005238	4966007	5006431	0.82	cps
Rhodium	103-2	3049602	3007792	2976000	3011131	1.23	cps
Scandium	45-1	3213102	3223795	3221062	3219319	0.17	cps
Scandium	45-2	307012	304535	304074	305207	0.52	cps
Selenium	82-1	814	771	819	801	3.32	cps
Selenium	77-2	207	150	147	168	20.10	cps
Selenium	78-2	673	570	680	641	9.62	cps
Silicon	28-1	9808685	9957524	9928460	9898223	0.80	cps
Silver	107-1	56995	58969	59669	58544	2.37	cps
Silver	109-1	54432	55426	55325	55061	0.99	cps
Sodium	23-2	316933	318527	313864	316441	0.75	cps
Strontium	86-1	329427	336751	337395	334524	1.32	cps
Strontium	88-1	3061421	3113775	3136908	3104035	1.25	cps
Sulfur	34-1	128320	126747	127083	127383	0.65	cps
Terbium	159-1	6092967	6137488	6083898	6104784	0.47	cps
Terbium	159-2	3950699	3975635	3894875	3940403	1.05	cps
Thallium	203-1	1633	1667	1680	1660	1.45	cps
Thallium	205-1	3801	4071	3921	3931	3.44	cps
Tin	118-1	86333	88661	89419	88138	1.82	cps
Titanium	47-1	965720	987674	984775	979390	1.22	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-06DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBD9	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:06:41	DataFile Name :	148SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16153	16650	16637	16480	1.72	cps
Vanadium	51-2	178767	180271	178497	179178	0.53	cps
Yttrium	89-1	9557471	9774761	9522210	9618147	1.42	cps
Yttrium	89-2	2476535	2441371	2456108	2458005	0.72	cps
Zinc	66-2	711348	712427	711574	711783	0.08	cps
Zirconium	90-1	195153	201678	201380	199404	1.85	cps
Zirconium	91-1	43454	44320	45136	44303	1.90	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-07DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE0	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:09:47	DataFile Name :	149SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6802885	6846695	6764605	6804728	0.60	cps
Antimony	121-1	60380	61203	61799	61127	1.17	cps
Arsenic	75-2	177343	175656	172911	175304	1.28	cps
Barium	135-1	941053	954232	948890	948059	0.70	cps
Barium	137-1	1766944	1816162	1792258	1791788	1.37	cps
Beryllium	9-1	1567	1543	1727	1612	6.19	cps
Bismuth	209-1	3815901	3709635	3834424	3786653	1.78	cps
Bismuth	209-2	3020321	3003192	3022006	3015173	0.35	cps
Bromine	81-1	7532	7835	7842	7737	2.29	cps
Bromine	81-2	347	387	417	383	9.16	cps
Cadmium	108-1	1553	1707	1550	1603	5.58	cps
Cadmium	106-1	3580	3564	3510	3552	1.03	cps
Cadmium	111-1	21823	21444	22007	21758	1.32	cps
Calcium	43-1	160793	164964	167064	164274	1.94	cps
Calcium	44-1	2583310	2615797	2601357	2600155	0.63	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	415320	412915	410737	412991	0.56	cps
Cobalt	59-2	163680	163575	162598	163284	0.37	cps
Copper	63-2	9725676	9622595	9729561	9692611	0.63	cps
Dysprosium	156-1	36394	37233	36778	36801	1.14	cps
Dysprosium	156-2	34833	34760	35027	34873	0.40	cps
Erbium	164-1	21891	22946	22388	22408	2.36	cps
Erbium	164-2	15042	14915	14825	14927	0.73	cps
Gadolinium	160-1	29999	30500	30844	30448	1.40	cps
Gadolinium	160-2	22238	22031	21814	22027	0.96	cps
Holmium	165-1	5944282	5567197	5922912	5811464	3.64	cps
Holmium	165-2	4010493	3987655	3962416	3986855	0.60	cps
Indium	115-1	5128565	4846781	5162878	5046075	3.44	cps
Indium	115-2	1780790	1800335	1773550	1784892	0.78	cps
Iron	56-2	124638608	125057271	123376265	124357381	0.70	cps
Iron	57-2	3106883	3078255	3086688	3090609	0.48	cps
Iron	54-2	6926722	6953512	6917412	6932549	0.27	cps
Krypton	83-1	257	297	267	273	7.62	cps

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LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-07DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE0	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:09:47	DataFile Name :	149SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3210911	3243038	3319826	3257925	1.72	cps
Lead	207-1	2920422	2945015	2952403	2939280	0.57	cps
Lead	208-1	12959634	13206276	13221101	13129004	1.12	cps
Lithium	6-1	331393	319348	343951	331564	3.71	cps
Magnesium	24-2	3223320	3127284	3112254	3154286	1.91	cps
Manganese	55-2	2525506	2532734	2502940	2520393	0.62	cps
Molybdenum	94-1	90611	92322	92739	91891	1.23	cps
Molybdenum	95-1	8903	9153	9136	9064	1.54	cps
Molybdenum	96-1	24511	24671	25456	24879	2.03	cps
Molybdenum	97-1	5584	5244	5654	5494	3.99	cps
Molybdenum	98-1	14280	13697	14017	13998	2.09	cps
Neodymium	150-1	87352	90142	90340	89278	1.87	cps
Neodymium	150-2	52320	51765	51758	51947	0.62	cps
Nickel	60-2	146066	146212	145572	145950	0.23	cps
Phosphorus	31-2	27802	27425	27411	27546	0.81	cps
Potassium	39-2	1281962	1236149	1266075	1261395	1.84	cps
Rhodium	103-1	4895125	4657390	4974516	4842344	3.41	cps
Rhodium	103-2	3029723	3022056	2990335	3014038	0.69	cps
Scandium	45-1	3189530	3072373	3245418	3169107	2.79	cps
Scandium	45-2	307430	310614	304598	307547	0.98	cps
Selenium	82-1	934	977	911	941	3.59	cps
Selenium	77-2	213	267	233	238	11.33	cps
Selenium	78-2	583	690	700	658	9.83	cps
Silicon	28-1	8029370	8286305	8262214	8192630	1.73	cps
Silver	107-1	67104	67757	67754	67539	0.56	cps
Silver	109-1	63840	64429	64315	64195	0.49	cps
Sodium	23-2	236298	234109	235120	235176	0.47	cps
Strontium	86-1	344420	352808	352128	349786	1.33	cps
Strontium	88-1	3191813	3224038	3258108	3224653	1.03	cps
Sulfur	34-1	128894	128085	127604	128194	0.51	cps
Terbium	159-1	6040673	5861259	6004077	5968670	1.59	cps
Terbium	159-2	3970002	3967524	3946850	3961459	0.32	cps
Thallium	203-1	1893	1957	1910	1920	1.71	cps
Thallium	205-1	4648	4424	4517	4530	2.48	cps
Tin	118-1	95944	98511	99594	98016	1.91	cps
Titanium	47-1	1104704	1135700	1141704	1127369	1.76	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-07DLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE0	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:09:47	DataFile Name :	149SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	19284	18867	19281	19144	1.25	cps
Vanadium	51-2	214894	213866	212050	213603	0.67	cps
Yttrium	89-1	9531665	9164463	9836806	9510978	3.54	cps
Yttrium	89-2	2489429	2491418	2467829	2482892	0.53	cps
Zinc	66-2	802848	796139	792871	797286	0.64	cps
Zirconium	90-1	236975	239309	240409	238898	0.73	cps
Zirconium	91-1	52330	54063	53962	53452	1.82	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13ADLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE6ARE	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:12:48	DataFile Name :	150SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5282871	5406455	5356055	5348460	1.16	cps
Antimony	121-1	25192	25499	25756	25483	1.11	cps
Arsenic	75-2	219182	217500	216270	217651	0.67	cps
Barium	135-1	884248	900930	904930	896703	1.22	cps
Barium	137-1	1652393	1699375	1678697	1676822	1.40	cps
Beryllium	9-1	1047	1213	1183	1148	7.74	cps
Bismuth	209-1	3593150	3656231	3597458	3615613	0.97	cps
Bismuth	209-2	2863731	2888707	2883024	2878488	0.45	cps
Bromine	81-1	7765	7729	7772	7755	0.30	cps
Bromine	81-2	323	330	380	344	8.99	cps
Cadmium	108-1	1357	1333	1257	1316	3.98	cps
Cadmium	106-1	3150	3057	2927	3045	3.68	cps
Cadmium	111-1	14125	14750	14766	14547	2.51	cps
Calcium	43-1	180133	181854	181582	181190	0.51	cps
Calcium	44-1	2841394	2916877	2897750	2885340	1.36	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	296869	300321	299770	298986	0.62	cps
Cobalt	59-2	128841	127483	128711	128345	0.58	cps
Copper	63-2	5389156	5437577	5398129	5408288	0.48	cps
Dysprosium	156-1	31562	31402	31241	31402	0.51	cps
Dysprosium	156-2	29504	29377	29608	29497	0.39	cps
Erbium	164-1	18175	18853	19410	18813	3.29	cps
Erbium	164-2	12582	12636	12566	12595	0.29	cps
Gadolinium	160-1	26255	25974	26258	26162	0.62	cps
Gadolinium	160-2	19157	18629	18960	18915	1.41	cps
Holmium	165-1	5806571	5868220	5836080	5836957	0.53	cps
Holmium	165-2	3920497	3883896	3968345	3924246	1.08	cps
Indium	115-1	5069655	5047402	5020285	5045781	0.49	cps
Indium	115-2	1750395	1726559	1759744	1745566	0.98	cps
Iron	56-2	94053862	94198849	93150072	93800927	0.61	cps
Iron	57-2	2345351	2329311	2314100	2329587	0.67	cps
Iron	54-2	5159519	5234869	5224464	5206284	0.78	cps
Krypton	83-1	250	297	263	270	8.90	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13ADLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE6ARE	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:12:48	DataFile Name :	150SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1294240	1316316	1331957	1314171	1.44	cps
Lead	207-1	1128344	1153588	1140404	1140778	1.11	cps
Lead	208-1	5581147	5698883	5645170	5641733	1.04	cps
Lithium	6-1	319545	329791	337316	328884	2.71	cps
Magnesium	24-2	2520813	2583211	2518002	2540675	1.45	cps
Manganese	55-2	2068238	2089349	2047143	2068243	1.02	cps
Molybdenum	94-1	102161	103208	104245	103204	1.01	cps
Molybdenum	95-1	4511	4808	4694	4671	3.21	cps
Molybdenum	96-1	22648	22995	23012	22885	0.90	cps
Molybdenum	97-1	3174	2967	2924	3021	4.42	cps
Molybdenum	98-1	7879	7579	7836	7764	2.09	cps
Neodymium	150-1	76097	77552	78866	77505	1.79	cps
Neodymium	150-2	44995	45366	45129	45163	0.42	cps
Nickel	60-2	122997	123342	123326	123222	0.16	cps
Phosphorus	31-2	21185	21165	21265	21205	0.25	cps
Potassium	39-2	1203882	1231568	1232590	1222680	1.33	cps
Rhodium	103-1	4893932	4923039	4890177	4902383	0.37	cps
Rhodium	103-2	2947964	2973070	3009862	2976965	1.05	cps
Scandium	45-1	3165861	3174689	3235020	3191857	1.18	cps
Scandium	45-2	302838	302112	305011	303320	0.50	cps
Selenium	82-1	1541	1529	1510	1527	1.05	cps
Selenium	77-2	250	280	240	257	8.11	cps
Selenium	78-2	817	943	883	881	7.19	cps
Silicon	28-1	9881238	9761384	9756051	9799558	0.72	cps
Silver	107-1	37552	37716	38357	37875	1.12	cps
Silver	109-1	35631	35306	36138	35692	1.18	cps
Sodium	23-2	211324	209903	210483	210570	0.34	cps
Strontium	86-1	314942	320239	321663	318948	1.11	cps
Strontium	88-1	2900330	2938074	2971473	2936626	1.21	cps
Sulfur	34-1	124435	124882	123517	124278	0.56	cps
Terbium	159-1	6028318	6029633	6083673	6047208	0.52	cps
Terbium	159-2	3919661	3882351	3849341	3883785	0.91	cps
Thallium	203-1	1373	1390	1393	1386	0.77	cps
Thallium	205-1	3180	2920	3284	3128	5.99	cps
Tin	118-1	55015	56112	56480	55869	1.36	cps
Titanium	47-1	876828	885819	896536	886394	1.11	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	P4332-13ADLX2	Instrumnet Name :	P7
Client Sample ID :	MYDBE6ARE	Dilution Factor :	2
Date & Time Acquired :	2024-10-30 02:12:48	DataFile Name :	150SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13510	14451	14244	14069	3.51	cps
Vanadium	51-2	179192	179637	179849	179559	0.19	cps
Yttrium	89-1	9455893	9337052	9401901	9398282	0.63	cps
Yttrium	89-2	2471383	2423667	2462662	2452571	1.04	cps
Zinc	66-2	1846762	1843987	1832743	1841164	0.40	cps
Zirconium	90-1	274934	278636	276740	276770	0.67	cps
Zirconium	91-1	61123	62328	60528	61326	1.50	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV034	Instrumnet Name :	P7
Client Sample ID :	CCV034	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 02:15:53	DataFile Name :	151CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6674972	6593427	6577358	6615252	0.79	cps
Antimony	121-1	2954453	3111165	3083240	3049619	2.74	cps
Arsenic	75-2	197165	193774	194437	195125	0.92	cps
Barium	135-1	3562400	3838830	3769055	3723428	3.86	cps
Barium	137-1	6318375	6492933	6532086	6447798	1.76	cps
Beryllium	9-1	278907	300476	302826	294069	4.48	cps
Bismuth	209-1	3431254	3531422	3528820	3497165	1.63	cps
Bismuth	209-2	2669828	2813075	2739945	2740949	2.61	cps
Bromine	81-1	6762	6708	6998	6823	2.26	cps
Bromine	81-2	83	57	60	67	21.79	cps
Cadmium	108-1	52086	53381	54130	53199	1.94	cps
Cadmium	106-1	74266	75445	76882	75531	1.73	cps
Cadmium	111-1	712071	732043	736968	727027	1.81	cps
Calcium	43-1	3917306	4071446	4143538	4044097	2.86	cps
Calcium	44-1	64178209	65863271	66372316	65471265	1.75	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1330270	1324573	1317649	1324164	0.48	cps
Cobalt	59-2	2198275	2176747	2163207	2179410	0.81	cps
Copper	63-2	15431670	15510635	15153670	15365325	1.22	cps
Dysprosium	156-1	250	253	223	242	6.79	cps
Dysprosium	156-2	217	293	323	278	19.80	cps
Erbium	164-1	213	163	187	188	13.32	cps
Erbium	164-2	113	97	110	107	8.27	cps
Gadolinium	160-1	153	107	140	133	18.03	cps
Gadolinium	160-2	230	200	250	227	11.10	cps
Holmium	165-1	6056258	6057364	6070422	6061348	0.13	cps
Holmium	165-2	4130628	4123365	4047208	4100400	1.13	cps
Indium	115-1	5079601	5158139	5162793	5133511	0.91	cps
Indium	115-2	1722210	1756536	1742009	1740252	0.99	cps
Iron	56-2	283324022	289282802	284145782	285584202	1.13	cps
Iron	57-2	7231990	7134971	7179977	7182313	0.68	cps
Iron	54-2	15772868	16134725	15811160	15906251	1.25	cps
Krypton	83-1	210	203	243	219	9.79	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV034	Instrumnet Name :	P7
Client Sample ID :	CCV034	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 02:15:53	DataFile Name :	151CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9147544	9734817	9811981	9564781	3.80	cps
Lead	207-1	8126994	8392891	8543060	8354315	2.52	cps
Lead	208-1	36811852	38459473	39044969	38105431	3.04	cps
Lithium	6-1	371828	397825	411323	393659	5.10	cps
Magnesium	24-2	55021609	54883561	55048396	54984522	0.16	cps
Manganese	55-2	9371772	9605800	9318516	9432029	1.62	cps
Molybdenum	94-1	11719783	11927489	12078584	11908619	1.51	cps
Molybdenum	95-1	16646552	17305431	17522418	17158133	2.66	cps
Molybdenum	96-1	18346137	19051739	18772915	18723597	1.90	cps
Molybdenum	97-1	10368347	10745034	10723092	10612158	1.99	cps
Molybdenum	98-1	26738856	27642250	27934298	27438468	2.27	cps
Neodymium	150-1	290	137	157	194	42.87	cps
Neodymium	150-2	77	73	73	74	2.59	cps
Nickel	60-2	529168	524230	525047	526148	0.50	cps
Phosphorus	31-2	77016	76738	76557	76770	0.30	cps
Potassium	39-2	37289052	37457496	37097557	37281368	0.48	cps
Rhodium	103-1	4902617	4870299	4869878	4880931	0.38	cps
Rhodium	103-2	2899522	2892451	2897487	2896486	0.13	cps
Scandium	45-1	3166323	3215330	3192109	3191254	0.77	cps
Scandium	45-2	296303	296336	293597	295412	0.53	cps
Selenium	82-1	47361	49362	48866	48530	2.15	cps
Selenium	77-2	4761	4757	4611	4710	1.82	cps
Selenium	78-2	16569	16332	16179	16360	1.20	cps
Silicon	28-1	17569616	18058007	18208699	17945441	1.86	cps
Silver	107-1	3748585	3827904	3864423	3813637	1.55	cps
Silver	109-1	3595302	3739299	3668280	3667627	1.96	cps
Sodium	23-2	95789899	95185879	96028342	95668040	0.45	cps
Strontium	86-1	24551739	25336004	25263486	25050410	1.73	cps
Strontium	88-1	215141103	222575750	224188117	220634990	2.19	cps
Sulfur	34-1	344035	350269	352398	348901	1.25	cps
Terbium	159-1	6270954	6171981	6259238	6234058	0.87	cps
Terbium	159-2	4036623	4013940	4088673	4046412	0.95	cps
Thallium	203-1	2364062	2415599	2449256	2409639	1.78	cps
Thallium	205-1	5506869	5799631	5869726	5725409	3.36	cps
Tin	118-1	2313414	2429895	2414794	2386034	2.65	cps
Titanium	47-1	4253134	4306888	4438749	4332924	2.20	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCV034	Instrumnet Name :	P7
Client Sample ID :	CCV034	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 02:15:53	DataFile Name :	151CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6965615	7319600	7265037	7183417	2.65	cps
Vanadium	51-2	1212795	1204541	1202399	1206578	0.45	cps
Yttrium	89-1	9442607	9436021	9469587	9449405	0.19	cps
Yttrium	89-2	2369202	2347977	2334234	2350471	0.75	cps
Zinc	66-2	2537659	2568832	2505384	2537292	1.25	cps
Zirconium	90-1	5382322	5412118	5476402	5423614	0.89	cps
Zirconium	91-1	1149184	1181727	1185631	1172180	1.71	cps

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On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB034	Instrumnet Name :	P7
Client Sample ID :	CCB034	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 02:18:39	DataFile Name :	152CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2234	2334	2217	2261	2.79	cps
Antimony	121-1	2184	1947	1847	1992	8.68	cps
Arsenic	75-2	40	37	27	34	20.14	cps
Barium	135-1	397	423	310	377	15.73	cps
Barium	137-1	743	620	617	660	10.94	cps
Beryllium	9-1	53	50	43	49	10.42	cps
Bismuth	209-1	3579185	3429859	3508112	3505719	2.13	cps
Bismuth	209-2	2828517	2833033	2797882	2819811	0.68	cps
Bromine	81-1	6648	6275	6612	6511	3.16	cps
Bromine	81-2	70	77	77	74	5.17	cps
Cadmium	108-1	7	13	10	10	33.30	cps
Cadmium	106-1	1387	1273	1330	1330	4.26	cps
Cadmium	111-1	1086	965	997	1016	6.15	cps
Calcium	43-1	563	460	473	499	11.27	cps
Calcium	44-1	18505	17867	17841	18071	2.08	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	793	837	793	808	3.10	cps
Cobalt	59-2	147	163	200	170	16.05	cps
Copper	63-2	3177	3094	3117	3129	1.37	cps
Dysprosium	156-1	87	73	113	91	22.36	cps
Dysprosium	156-2	20	37	23	27	33.08	cps
Erbium	164-1	20	47	43	37	39.63	cps
Erbium	164-2	23	53	27	34	47.73	cps
Gadolinium	160-1	20	30	27	26	19.92	cps
Gadolinium	160-2	153	183	167	168	8.96	cps
Holmium	165-1	5857621	5509760	5834250	5733877	3.39	cps
Holmium	165-2	4026944	4002925	4046007	4025292	0.54	cps
Indium	115-1	5213188	4876846	5194835	5094956	3.71	cps
Indium	115-2	1790739	1789081	1759481	1779767	0.99	cps
Iron	56-2	38172	38426	37858	38152	0.75	cps
Iron	57-2	3427	3437	3574	3479	2.36	cps
Iron	54-2	3074	3060	2767	2967	5.84	cps
Krypton	83-1	207	223	217	216	3.89	cps

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Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB034	Instrumnet Name :	P7
Client Sample ID :	CCB034	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 02:18:39	DataFile Name :	152CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1623	1403	1377	1468	9.22	cps
Lead	207-1	1253	1163	1180	1199	3.99	cps
Lead	208-1	5951	5634	5414	5666	4.76	cps
Lithium	6-1	402112	377957	404360	394810	3.71	cps
Magnesium	24-2	2820	2717	2557	2698	4.92	cps
Manganese	55-2	1180	1187	1103	1157	4.00	cps
Molybdenum	94-1	1250	1093	830	1058	20.07	cps
Molybdenum	95-1	1347	1150	1077	1191	11.72	cps
Molybdenum	96-1	1460	1203	1137	1267	13.48	cps
Molybdenum	97-1	863	653	640	719	17.43	cps
Molybdenum	98-1	2040	1760	1493	1765	15.49	cps
Neodymium	150-1	17	20	13	17	20.01	cps
Neodymium	150-2	17	3	7	9	78.08	cps
Nickel	60-2	173	173	130	159	15.75	cps
Phosphorus	31-2	100	83	100	94	10.19	cps
Potassium	39-2	84318	84054	84523	84298	0.28	cps
Rhodium	103-1	4982236	4795733	4999834	4925934	2.30	cps
Rhodium	103-2	3054953	3051198	3060602	3055585	0.15	cps
Scandium	45-1	3126299	3000369	3096015	3074228	2.14	cps
Scandium	45-2	291715	289985	287333	289677	0.76	cps
Selenium	82-1	346	320	385	350	9.28	cps
Selenium	77-2	0	0	7	2	173.21	cps
Selenium	78-2	353	340	353	349	2.21	cps
Silicon	28-1	258388	260824	257879	259030	0.61	cps
Silver	107-1	490	413	353	419	16.35	cps
Silver	109-1	450	380	340	390	14.28	cps
Sodium	23-2	44424	44267	43665	44119	0.91	cps
Strontium	86-1	1520	1343	1093	1319	16.26	cps
Strontium	88-1	10784	8179	6652	8538	24.47	cps
Sulfur	34-1	149788	150963	150661	150471	0.41	cps
Terbium	159-1	6105529	5789381	5945023	5946645	2.66	cps
Terbium	159-2	3986639	4006918	4012288	4001948	0.34	cps
Thallium	203-1	537	393	337	422	24.41	cps
Thallium	205-1	1147	1100	937	1061	10.39	cps
Tin	118-1	1807	1787	1923	1839	4.01	cps
Titanium	47-1	547	443	430	473	13.49	cps

Reviewed By:Mohan
On:10/29/2024 8:26:44 PM
Inst Id :P7

LB Number :	LB133196	Operator :	Jaswal
Lab Sample ID :	CCB034	Instrumnet Name :	P7
Client Sample ID :	CCB034	Dilution Factor :	1
Date & Time Acquired :	2024-10-30 02:18:39	DataFile Name :	152CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	350	230	200	260	30.53	cps
Vanadium	51-2	57	103	70	77	31.35	cps
Yttrium	89-1	9144362	8704599	9180113	9009691	2.94	cps
Yttrium	89-2	2357025	2341244	2353634	2350634	0.35	cps
Zinc	66-2	947	927	850	908	5.62	cps
Zirconium	90-1	1423	1193	993	1203	17.88	cps
Zirconium	91-1	267	250	230	249	7.38	cps

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Prep Standard - Chemical Standard Summary

Order ID : P4333

Test : Metals CLP MS FULL

Prepbatch ID : PB164281,

Sequence ID/Qc Batch ID: LB133196,

Standard ID :
MP81119,MP82127,MP82568,MP82569,MP82570,MP82571,MP82572,MP82573,MP82574,MP82575,MP82576,MP82577,MP82578,MP82579,MP82580,MP82581,MP82583,MP82585,MP82586,MP82587,

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,M6090,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
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	10/30/2024	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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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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CHEMICAL RECEIPT LOG BOOK

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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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	10/18/2024 / Janvi	09/10/2024 / Janvi	M6090

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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CHEMICAL RECEIPT LOG BOOK

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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M6028

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R 8/5/24

1250

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		

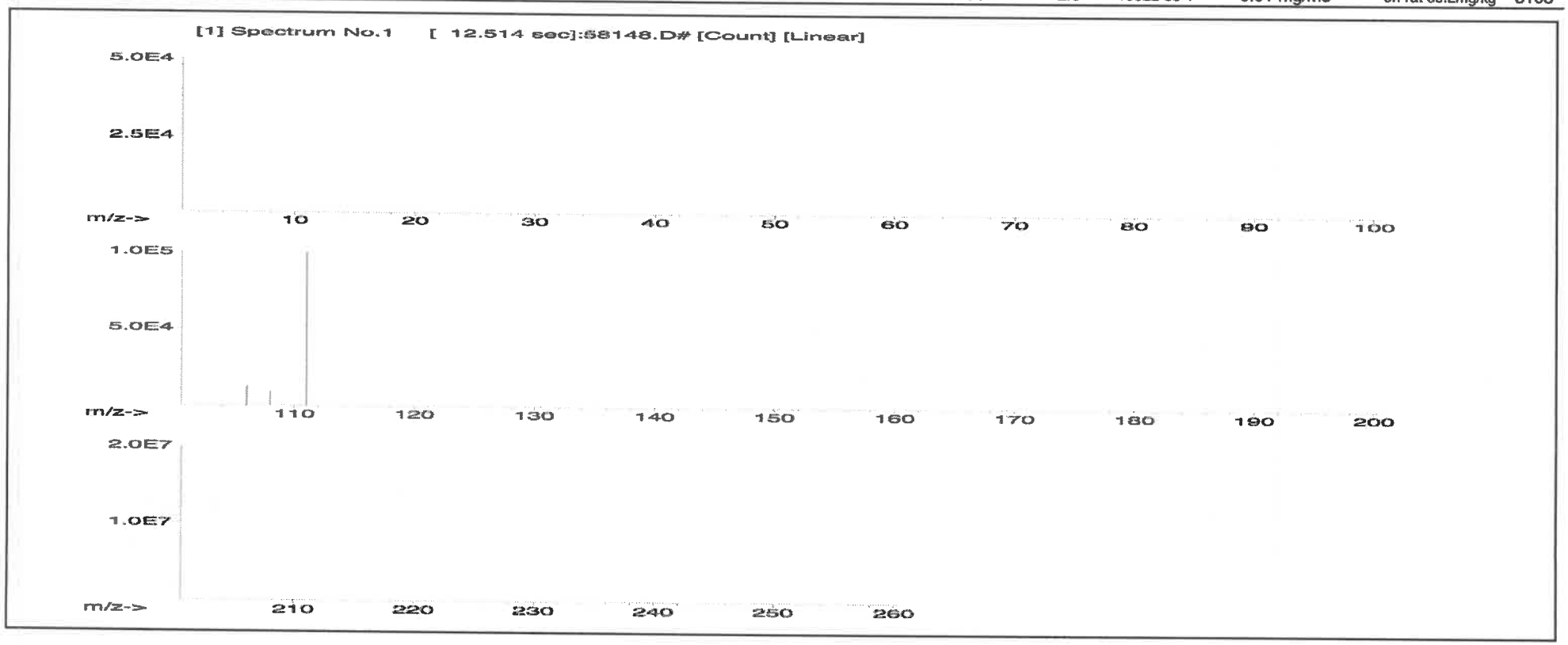
Aleah O'Brady

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



1251

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

1252

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

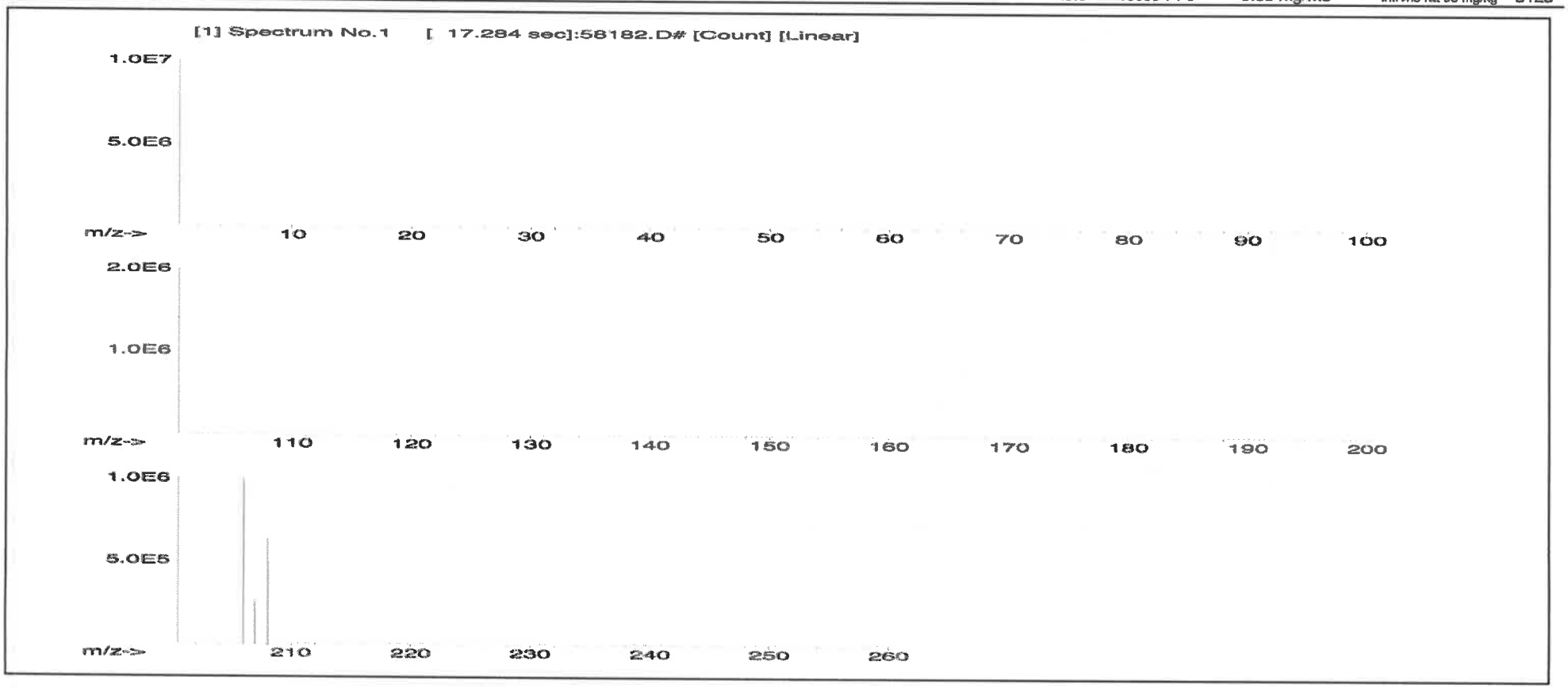
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

		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



1253

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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M5192 R: 06/17/22

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1254

CERTIFIED WEIGHT REPORT:

Part Number: 57042
Lot Number: 051722
Description: Molybdenum (Mo)

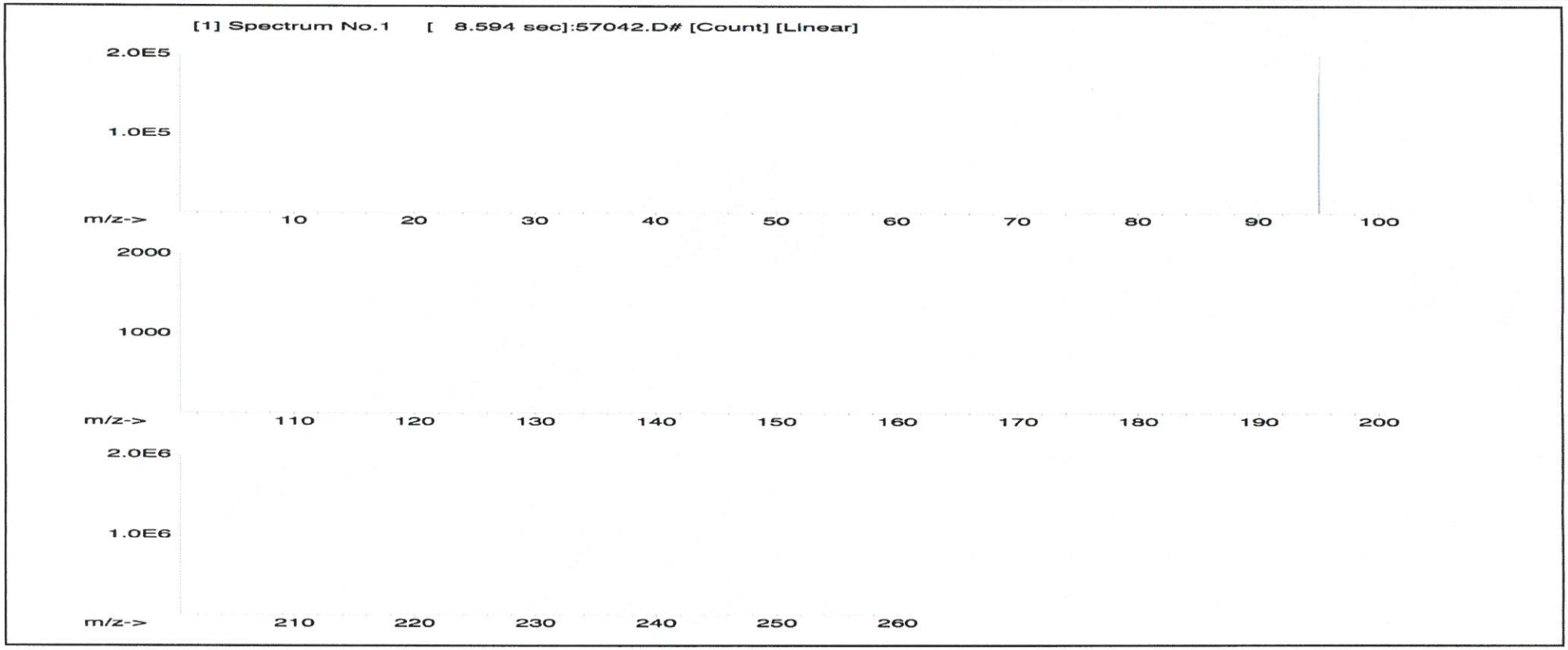
Expiration Date: 051725
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Volume shown below was diluted to (mL): 3000.41

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



1255

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.
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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).

V15200 R: 04/24/22 (BP)

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1256

CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 071122
Description: Potassium (K)

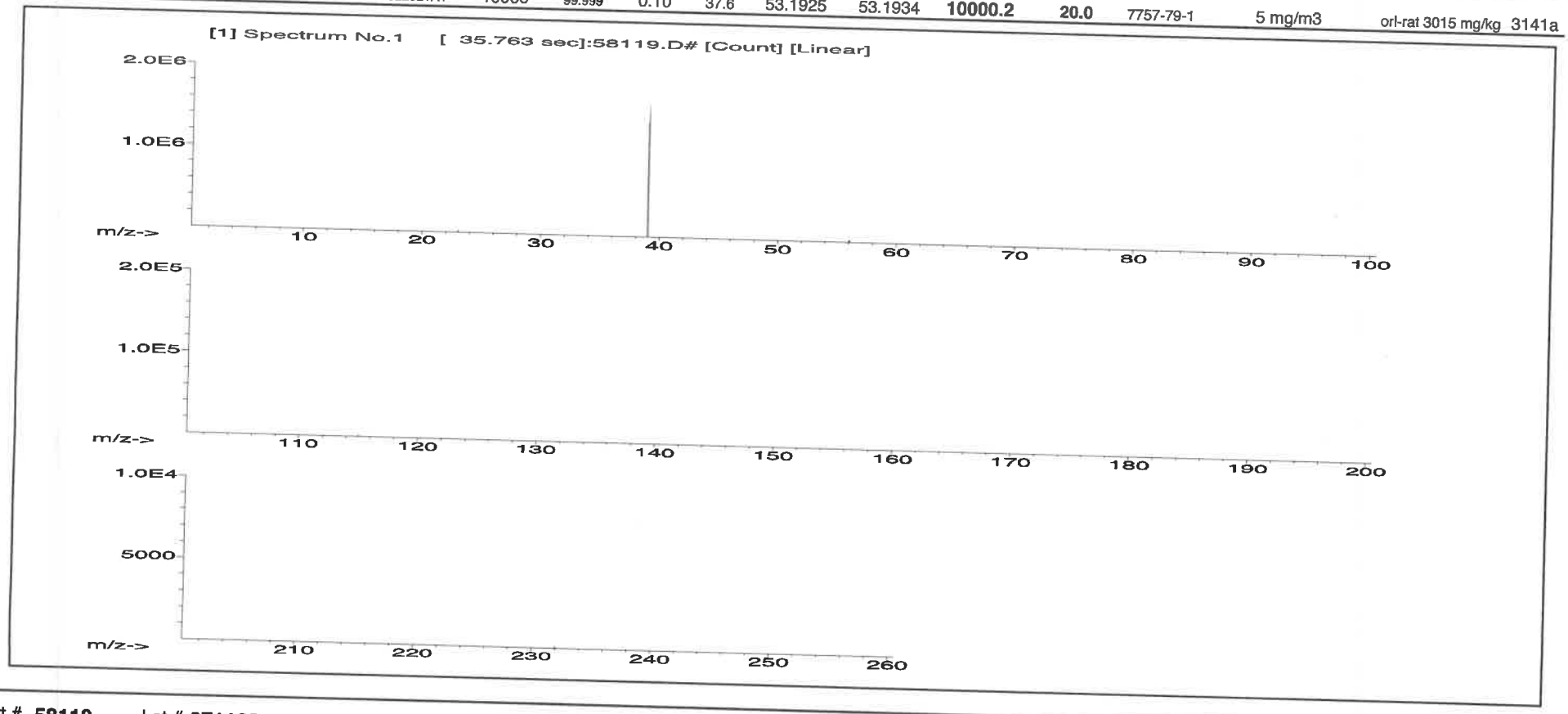
Expiration Date: 071125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

	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



1257

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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

M5289 R: 07/12/22 BH

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

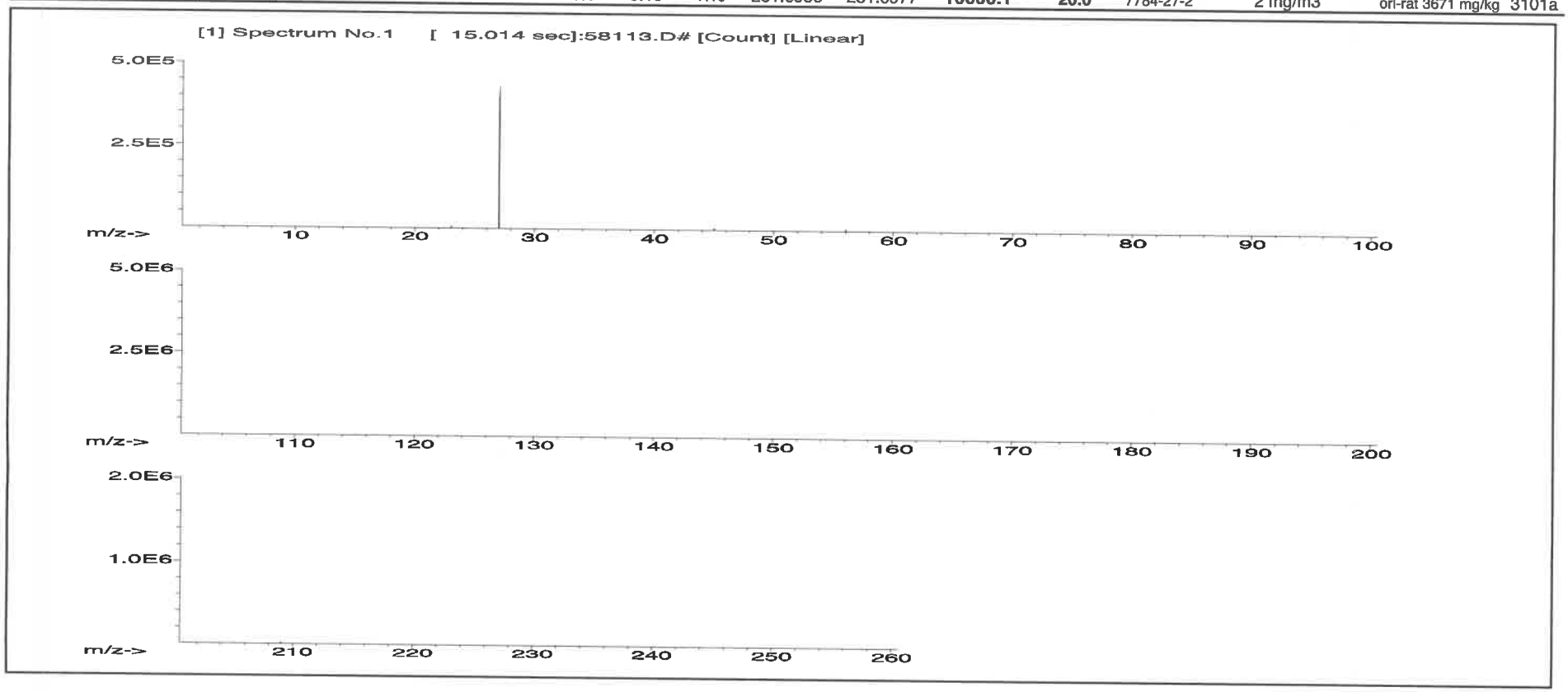
1258

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



1259

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:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

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

1266

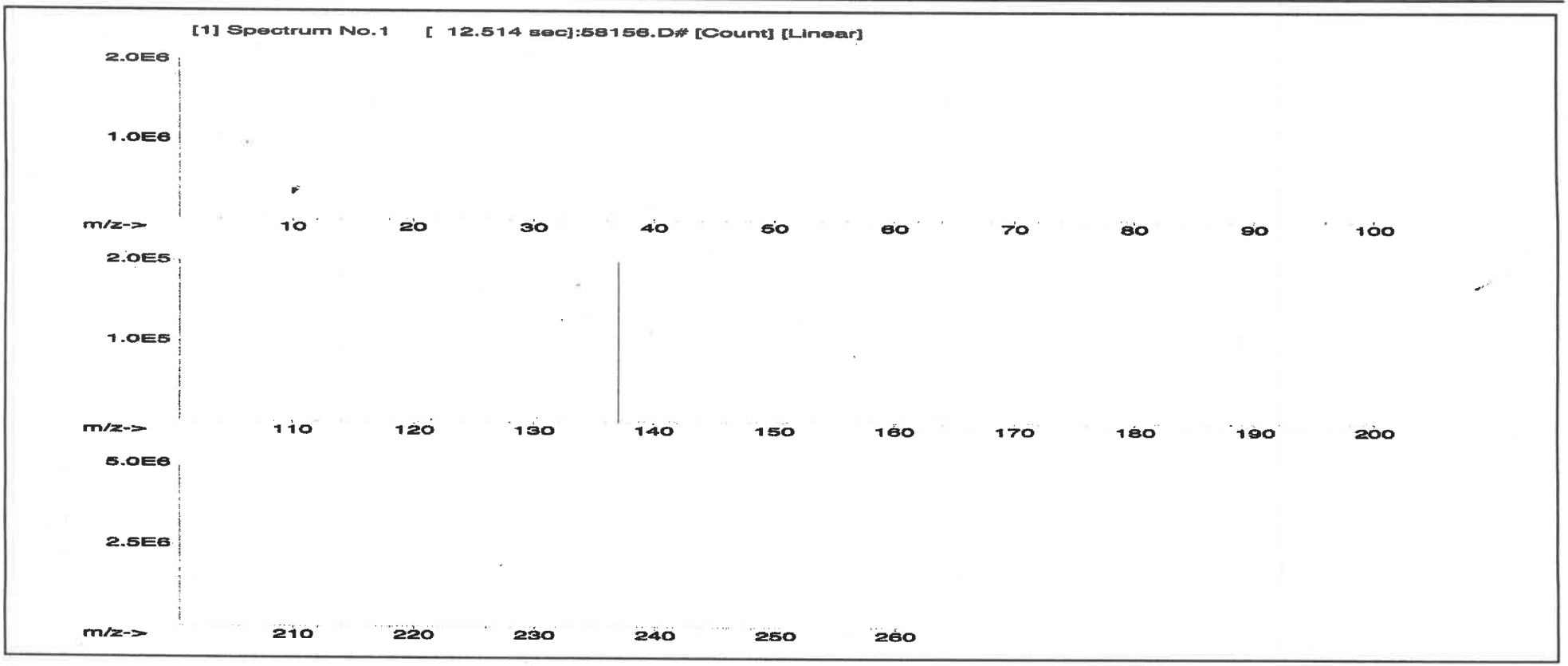
CERTIFIED WEIGHT REPORT:

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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* 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).

1267

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Certified Reference Material CRM

IN5497 - IN5498 R: 03/17/23 BH

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CERTIFIED WEIGHT REPORT:

Part Number: 58120
Lot Number: 031523
Description: Calcium (Ca)

Expiration Date: 031526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41 ± 0.058 Flask Uncertainty

	Lot #		
Solvent:	21110221	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

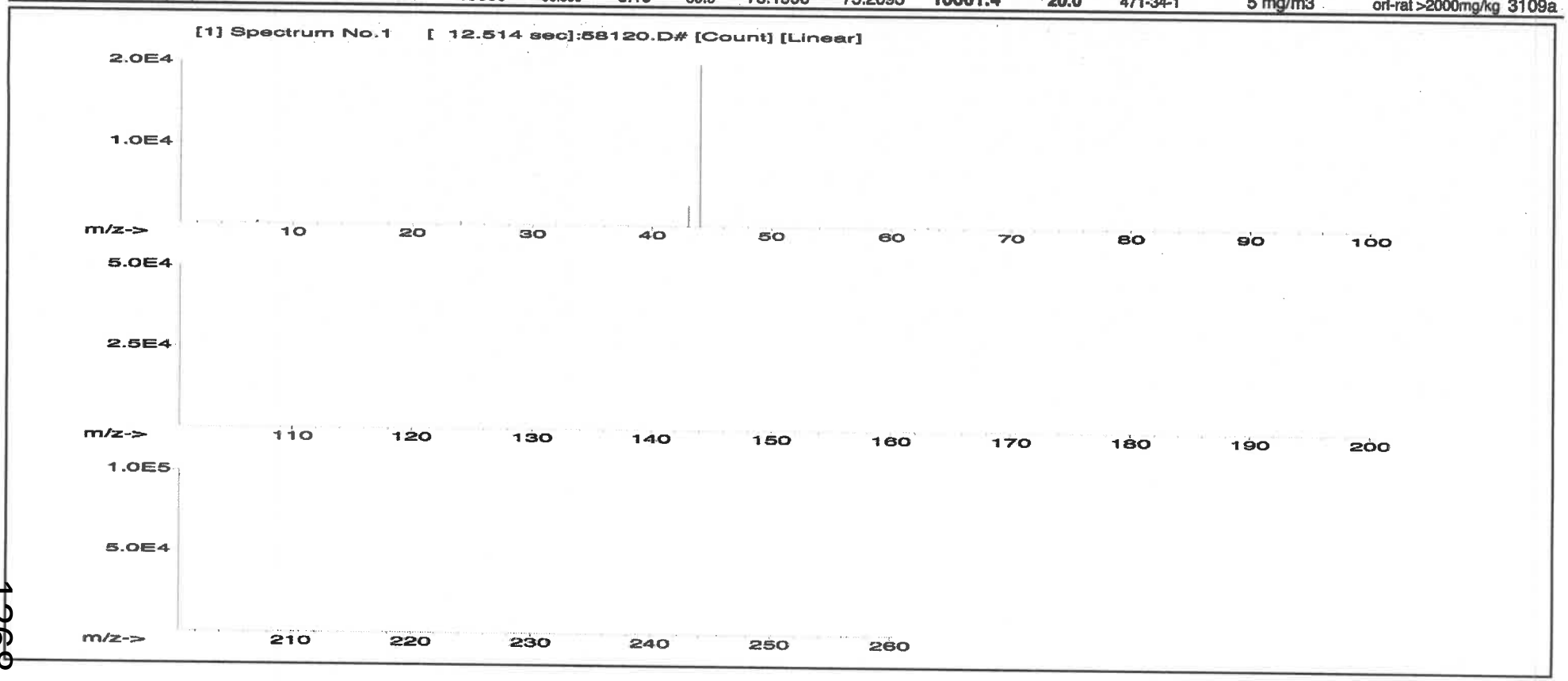
5E-05 Balance Uncertainty

Giovanni Esposito

Formulated By: Giovanni Esposito 031523

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



1268

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.
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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).

T269

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Certified Reference Material CRM

MS513 R:03/17/23

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CERTIFIED WEIGHT REPORT:

Part Number: 57182
Lot Number: 061522
Description: Lead (Pb)

Expiration Date: 061525
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

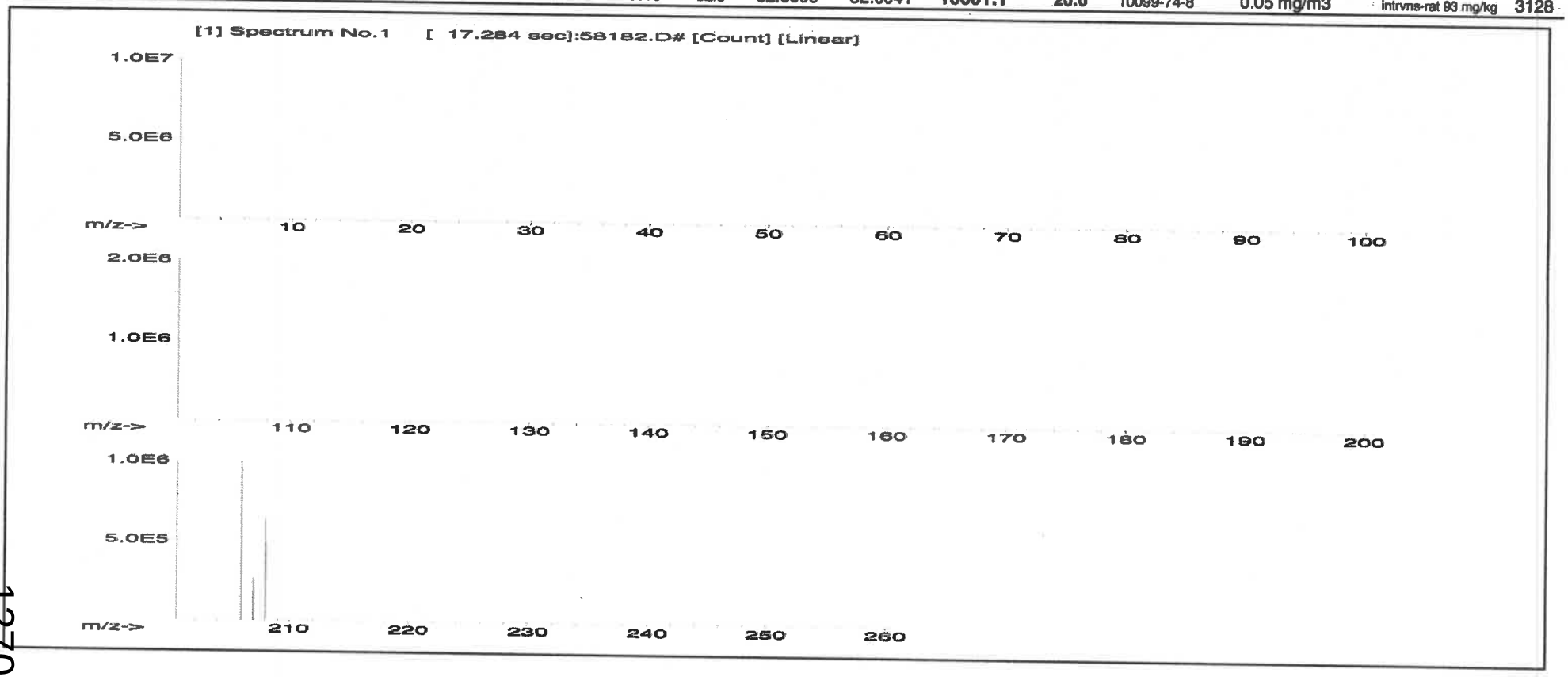
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Giovanni Esposito

Formulated By:	Giovanni Esposito	061522
Reviewed By:	Pedro L. Rentas	061522

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lead(II) nitrate (Pb)	IN029	PBD122016A1	10000	99.999	0.10	62.5	32.0006	32.0041	**10001.1**	**20.0**	10099-74-8	0.05 mg/m3	Intrvns-rat 93 mg/kg	3128



1270

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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* 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).

1271

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Certified Reference Material CRM

M5514 - M5515 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

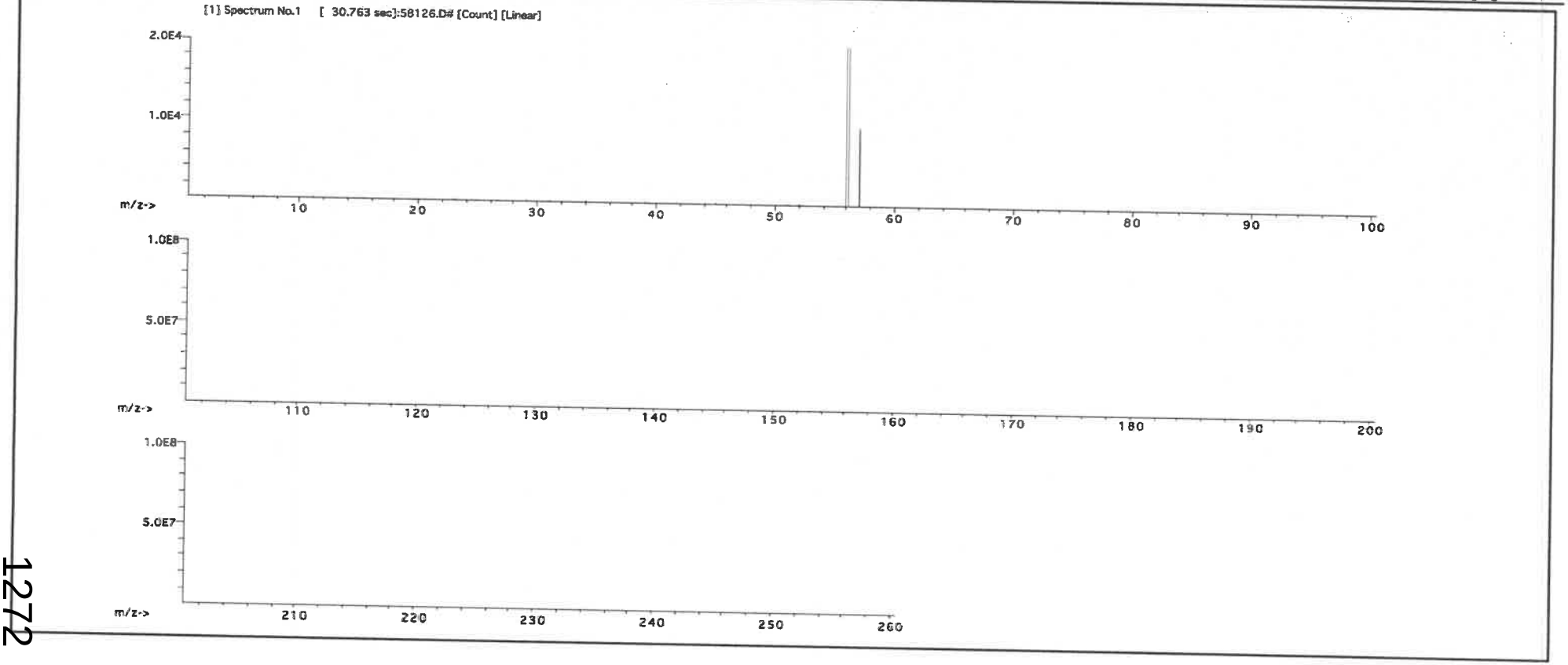
Giovanni Esposito

Formulated By: Giovanni Esposito 092122

Pedro Rentas

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



1272

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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* 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).

1273

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Certified Reference Material CRM

M5519. M5520 (BH) R:03/17/23

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1274

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

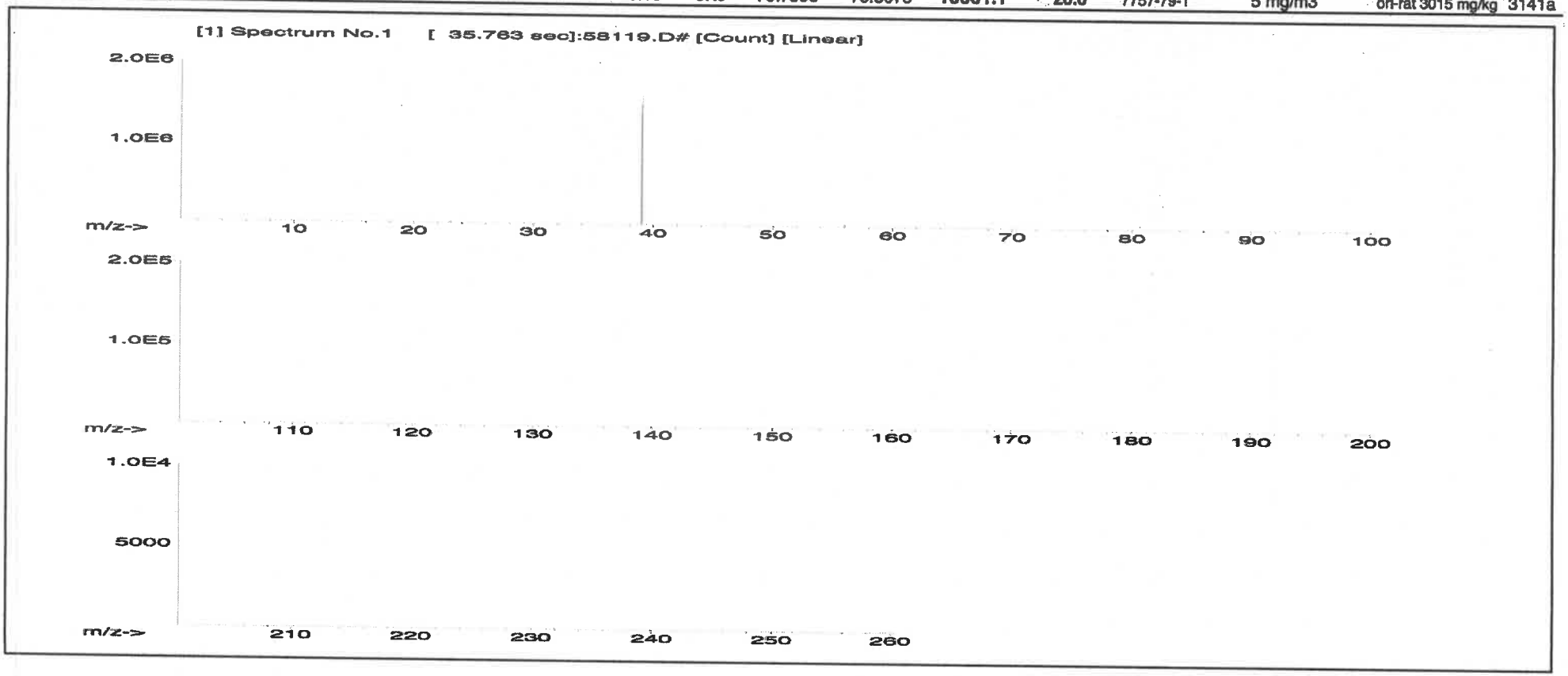
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

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



1275

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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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).

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 (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

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"

- 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

INORGANIC VENTURES
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Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

M5657 A: 8/29/22

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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-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:

1281

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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www.absolutestandards.com

Certified Reference Material CRM

M5658 R! 8/25/23

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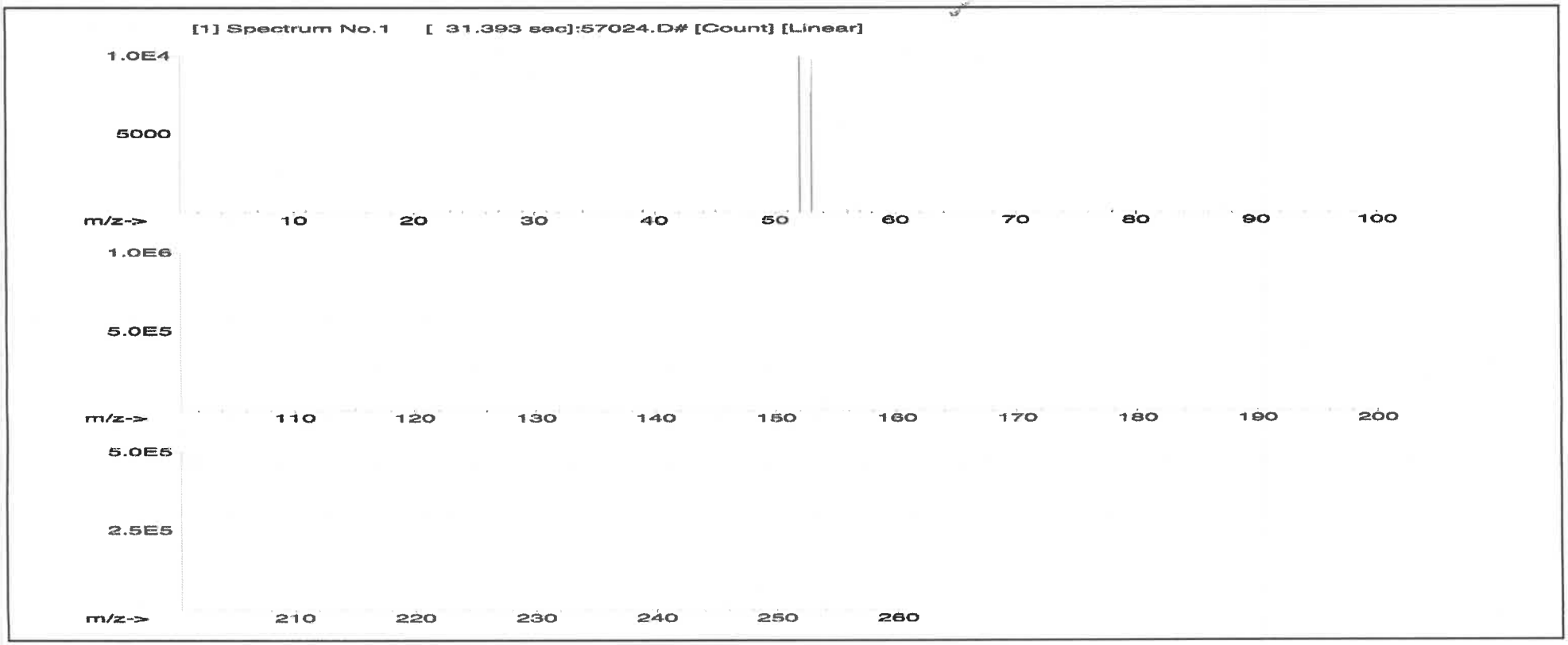
1285

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



1286

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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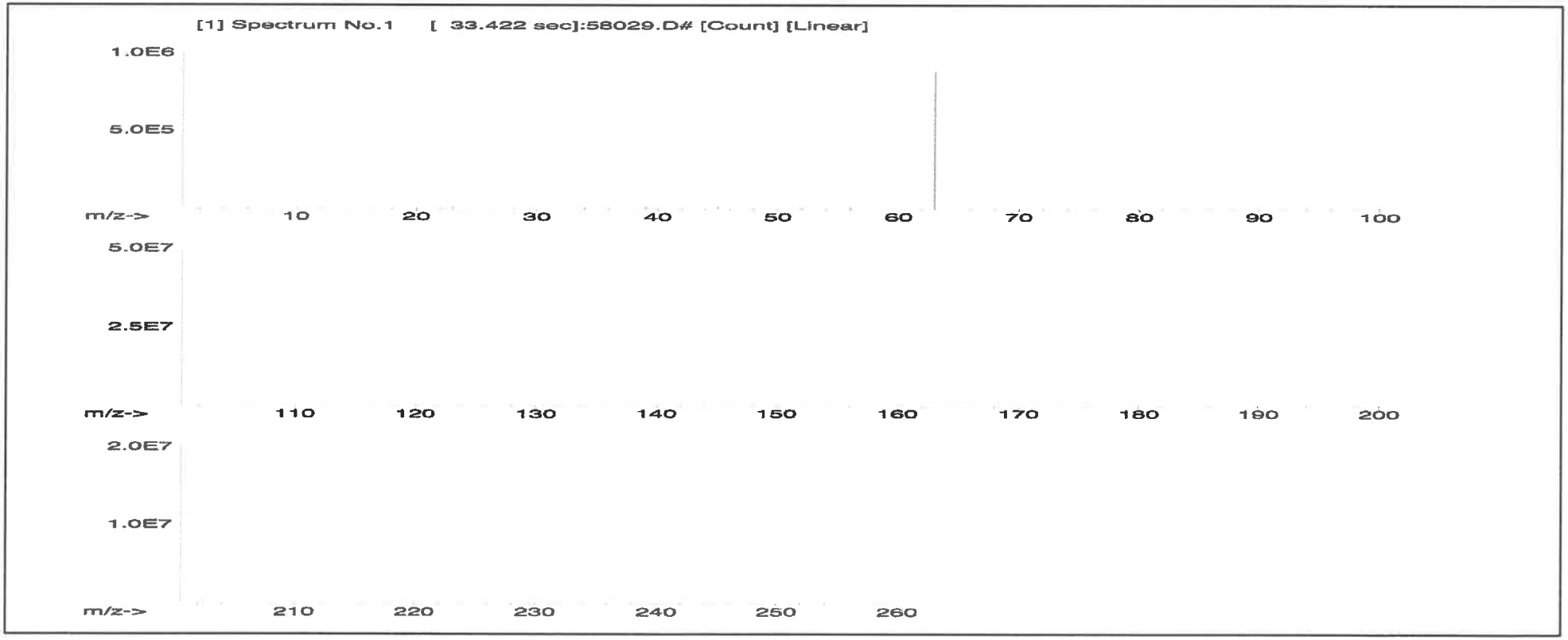
1287

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



1288

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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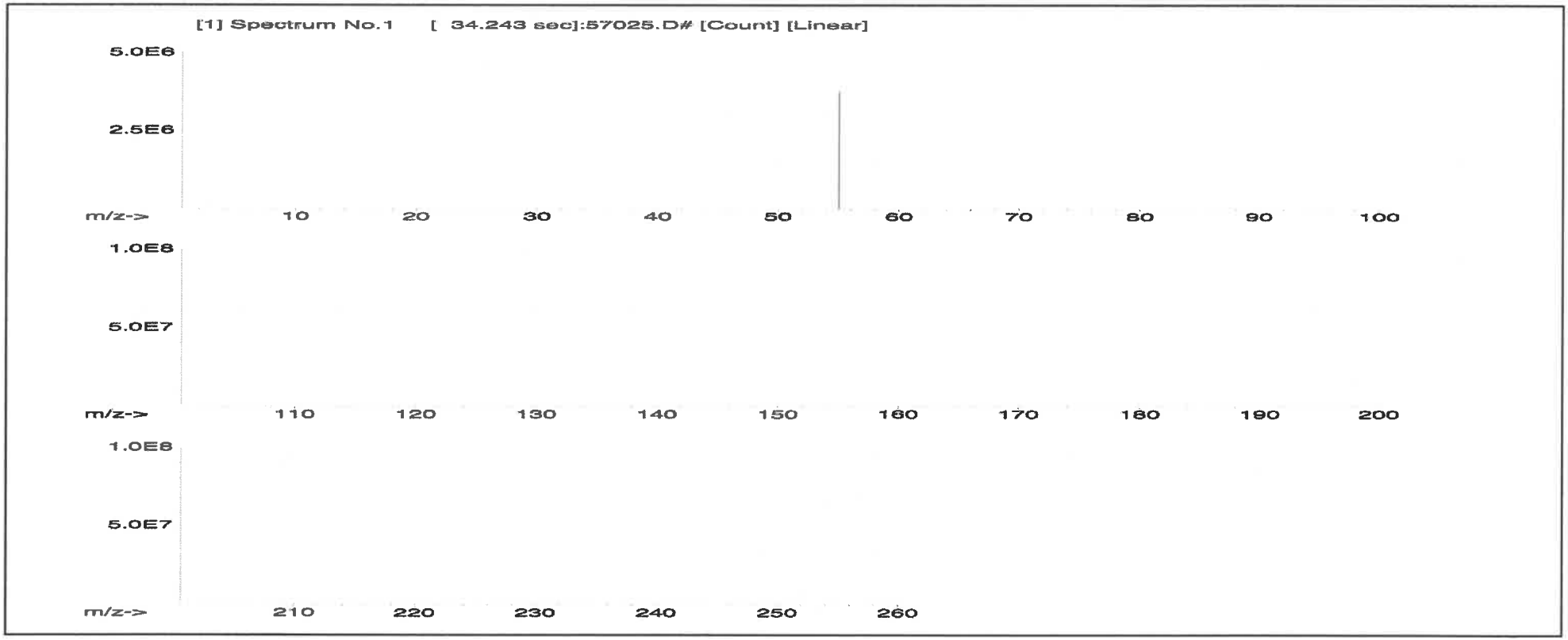
1289

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



1290

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	T	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M5768 M5769 (BP) R:1/3/24

Certified Reference Material CRM

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AR-1539 Certificate Number
https://Absolutestandards.com

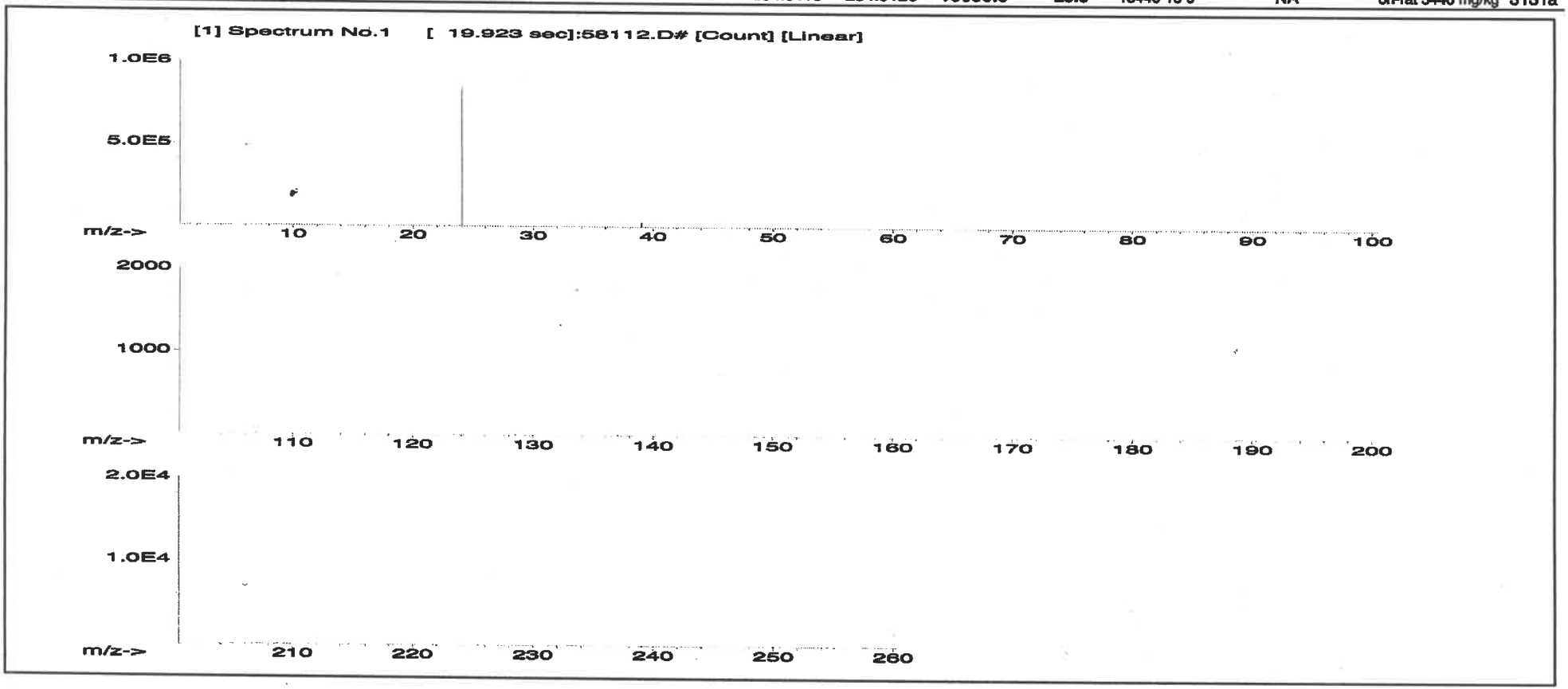
1291

CERTIFIED WEIGHT REPORT:

			Lot #	
Part Number:	**58112**	**Solvent:**	24002546	Nitric Acid
Lot Number:	**091823**			
Description:	**Magnesium (Mg)**	2%	40.0 (mL)	Nitric Acid
Expiration Date:	091826			
Recommended Storage:	Ambient (20 °C)	M5768, M5769 (BP) R: 1/3/24		
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05 Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058 Flask Uncertainty		

Formulated By:	Lawrence Barry 091823
Reviewed By:	Pedro L. Rentas 091823

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Magnesium nitrate hexahydrate (Mg)	IN030	MGD052023A1	10000	99.999	0.10	8.51	234.9118	234.9126	**10000.0**	**20.0**	13446-18-9	NA	ori-rat 5440 mg/kg	3131a



1292

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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* 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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1293

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

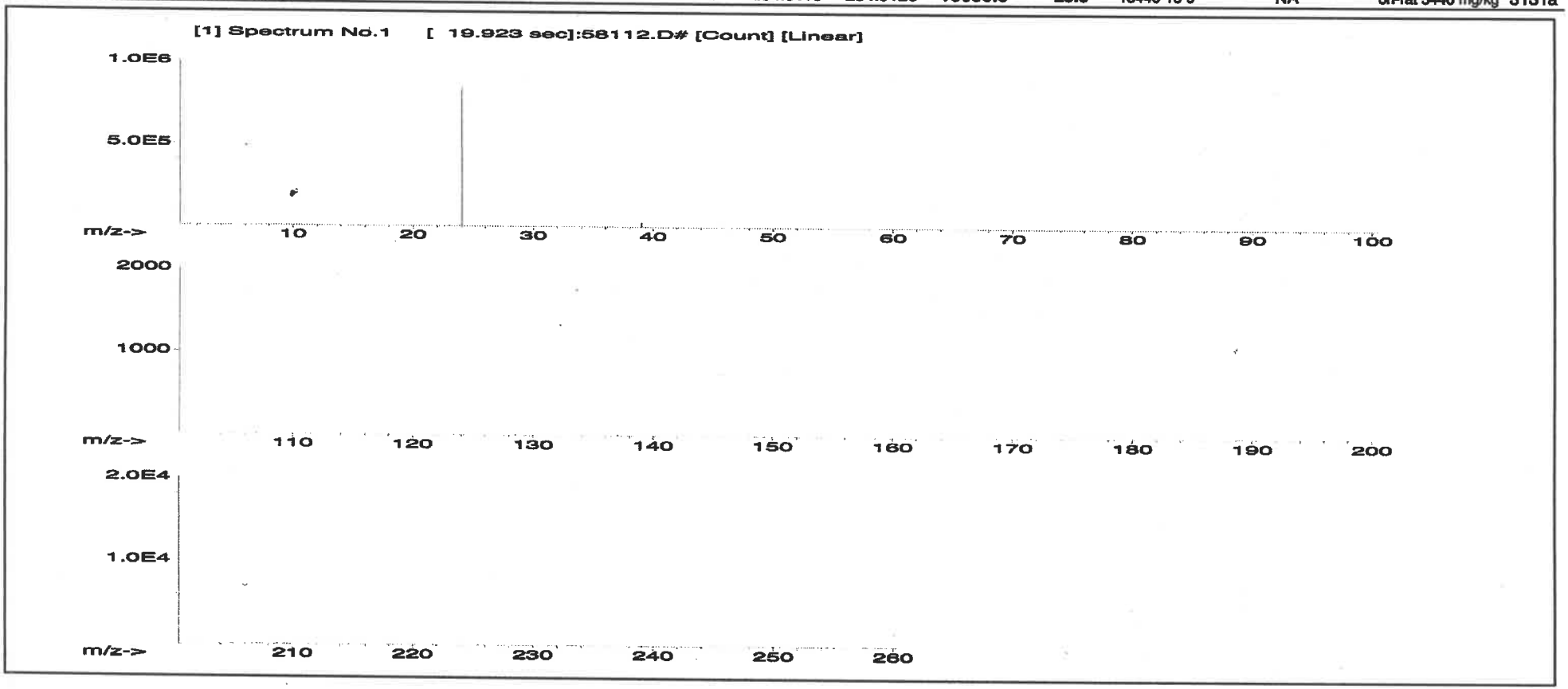
5E-05 Balance Uncertainty

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



1294

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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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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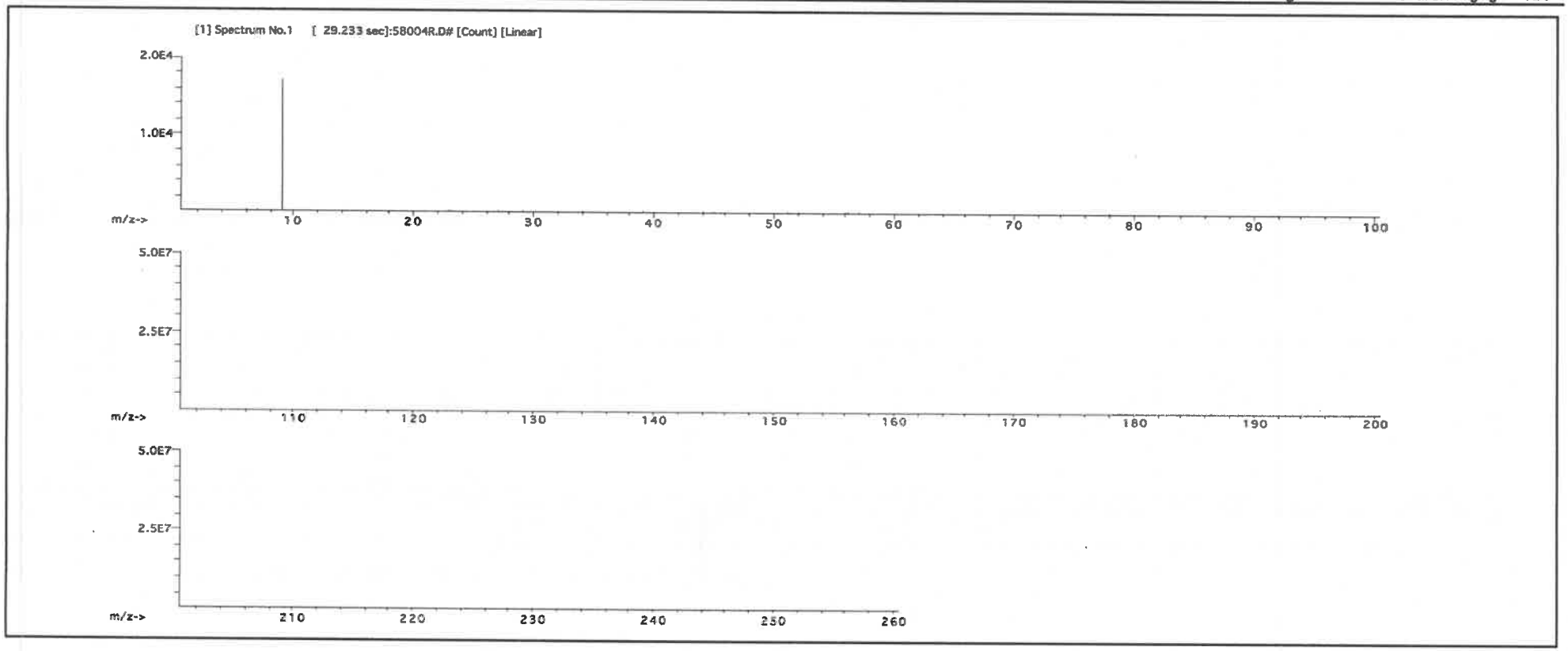
1295

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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* 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).

1296

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1297

CERTIFIED WEIGHT REPORT:

Part Number: 57050
Lot Number: 071123
Description: Tin (Sn)

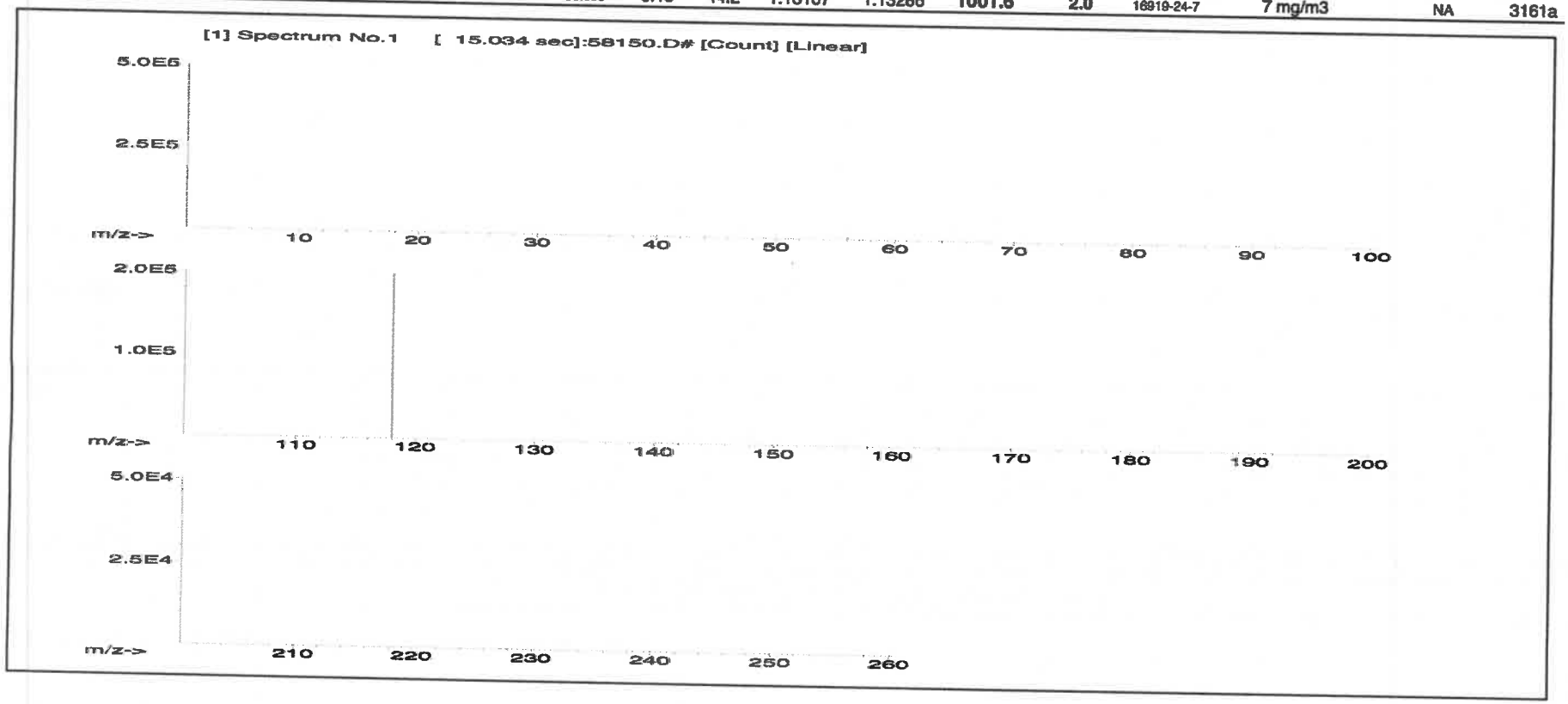
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93

	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



1298

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:

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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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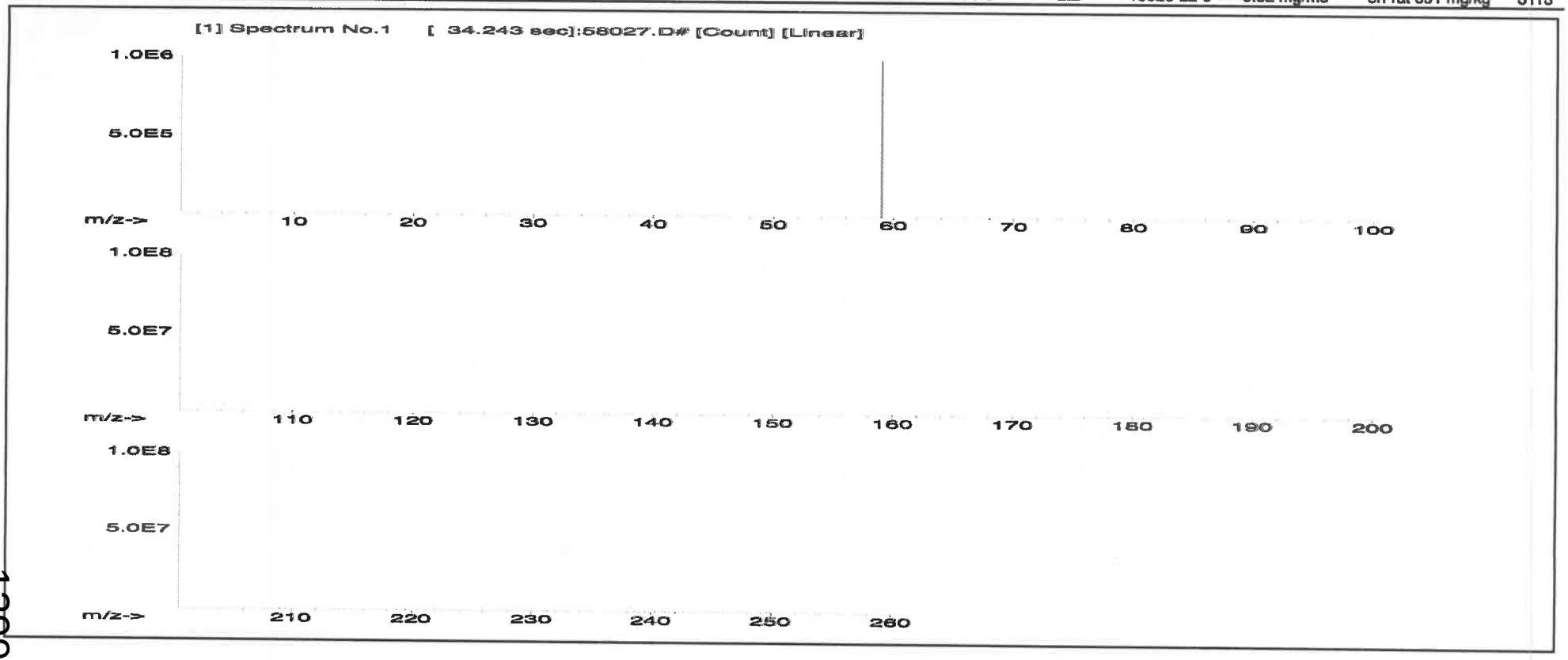
CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57027**	24002546	Nitric Acid		
Lot Number:	**091923**				
Description:	**Cobalt (Co)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	091926				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By: Lawrence Barry 091923

Reviewed By: Pedro L. Rentas 091923

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cobalt(II) nitrate hexahydrate (Co)	58127	050923	0.1000	200.0	0.084	1000	10000.0	**1000.0**	**2.2**	10026-22-9	0.02 mg/m3	orl-rat 691 mg/kg	3113



1299

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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1300

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1301

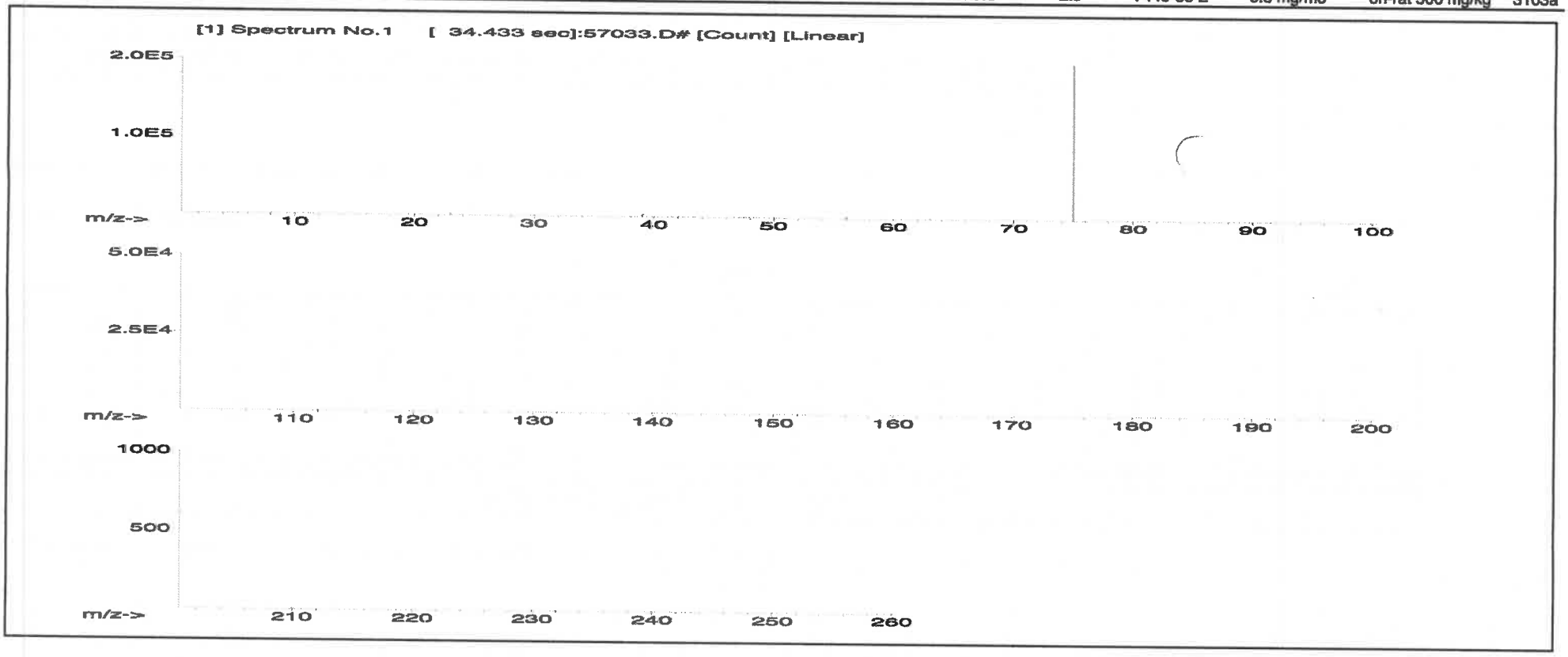
CERTIFIED **WEIGHT** REPORT:

		Lot #	Solvent:		
Part Number:	**57033**				
Lot Number:	**111323**	24002546	Nitric Acid		
Description:	**Arsenic (As)**				
		2.0%	80.0 (mL)	Nitric Acid	
Expiration Date:	111326				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty		

Formulated By: Lawrence Barry 111323

Reviewed By: Pedro L. Rentas 111323

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Arsenic (As)	58133	020522	0.1000	400.0	0.084	1000	10001.0	**1000.0**	**2.0**	7440-38-2	0.5 mg/m3	orl-rat 500 mg/kg	3103a



13022

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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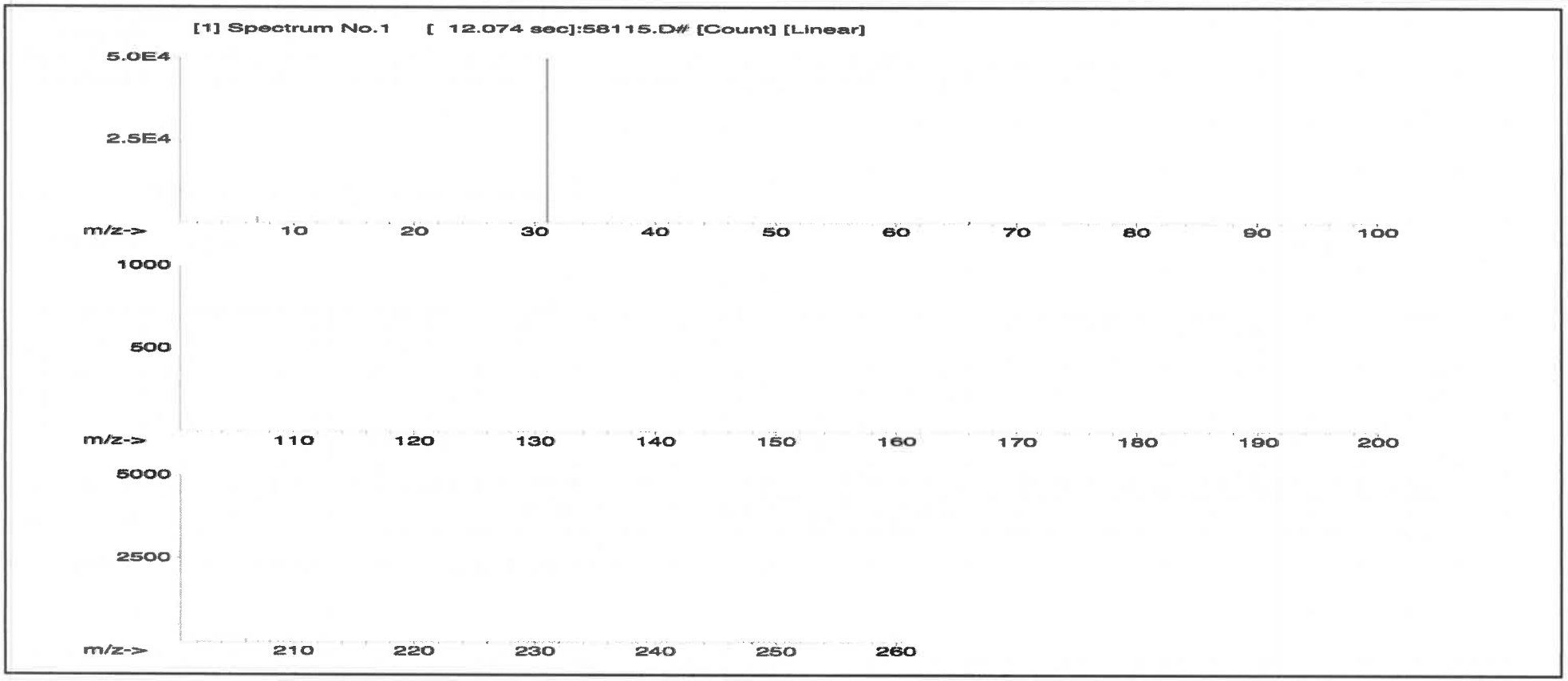
1303

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.

* 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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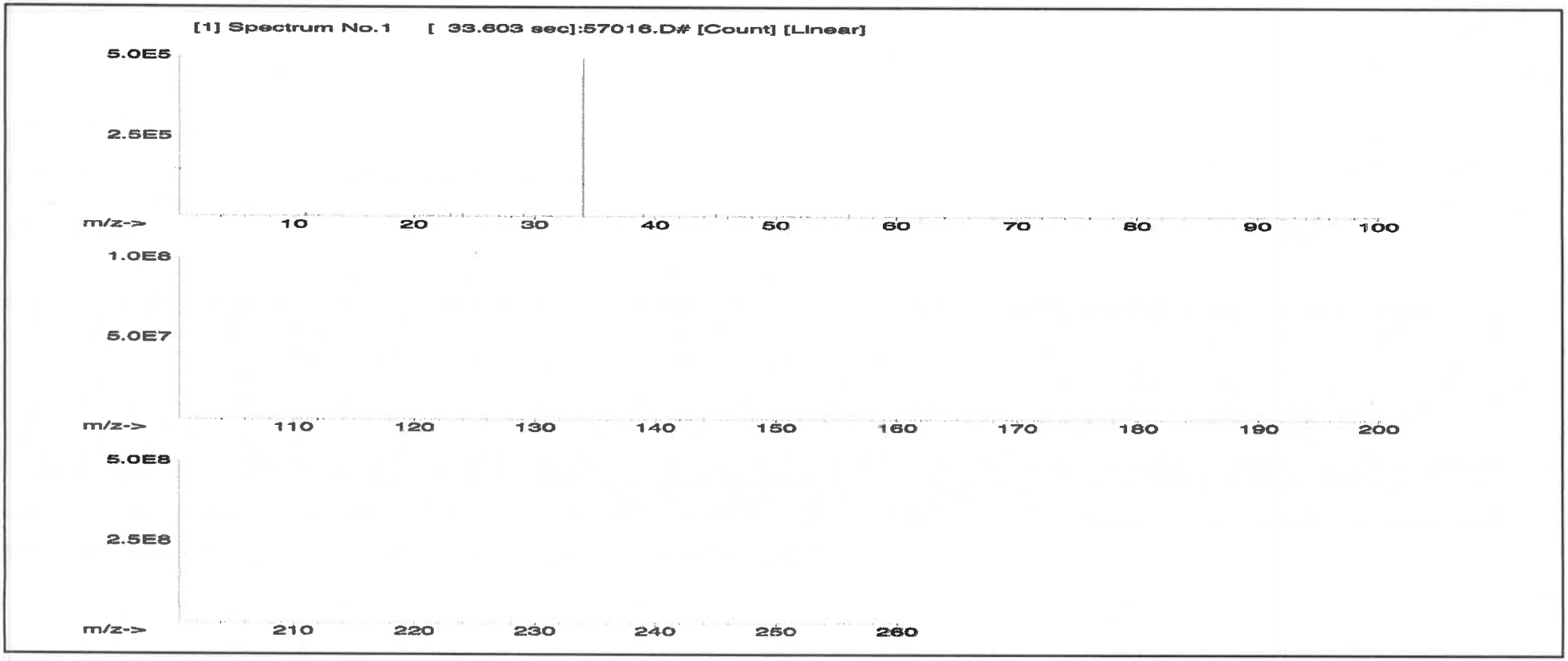
1305

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



1306

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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1307

CERTIFIED WEIGHT REPORT:

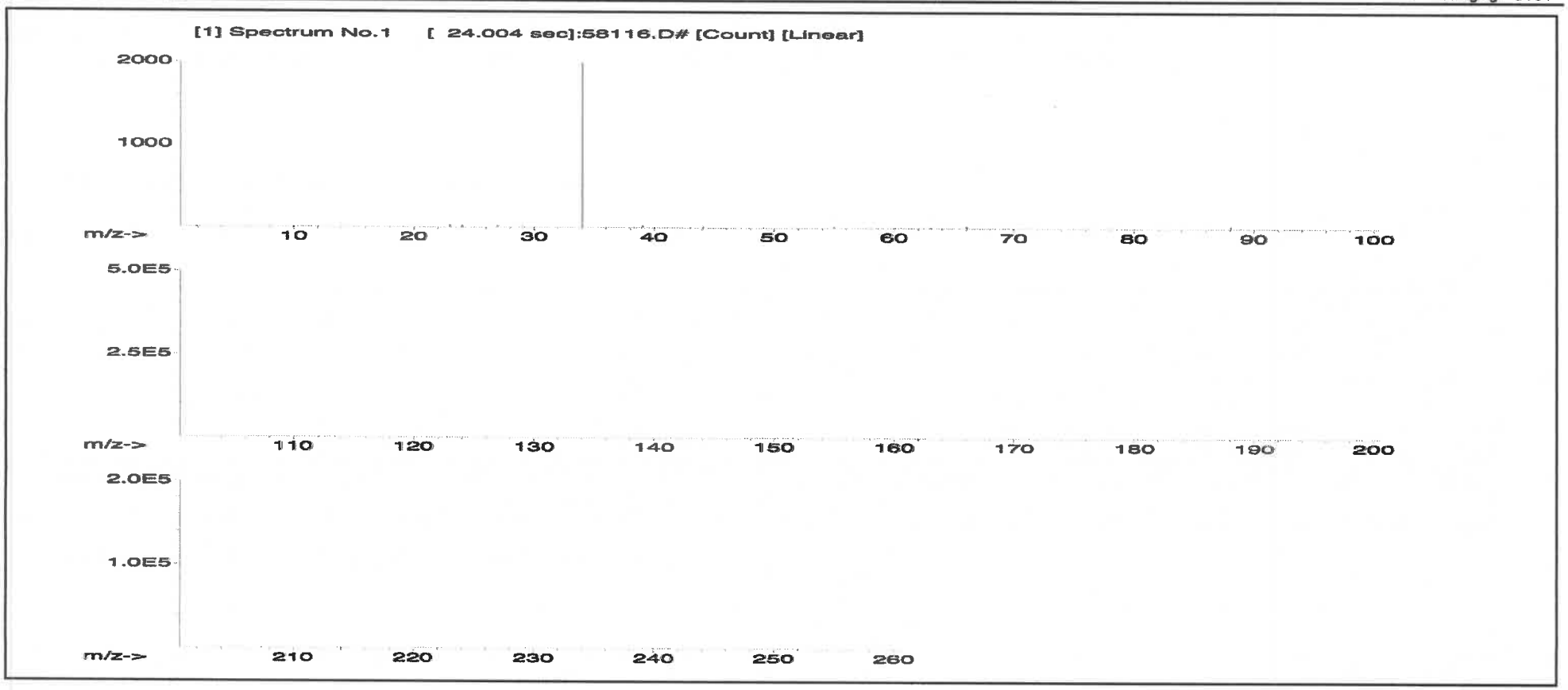
Part Number: 57116
Lot Number: 071123
Description: Sulfur (S)

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



13088

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.
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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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1309

CERTIFIED WEIGHT REPORT:

Part Number: 57014
Lot Number: 122023
Description: Silicon (Si)

Expiration Date: 122026
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

Weight shown below was diluted to (mL): 1999.48 0.058 Flask Uncertainty

Lot #

Solvent: 24002546 Nitric Acid

2% 40.0 (mL) Nitric Acid

5E-05 Balance Uncertainty

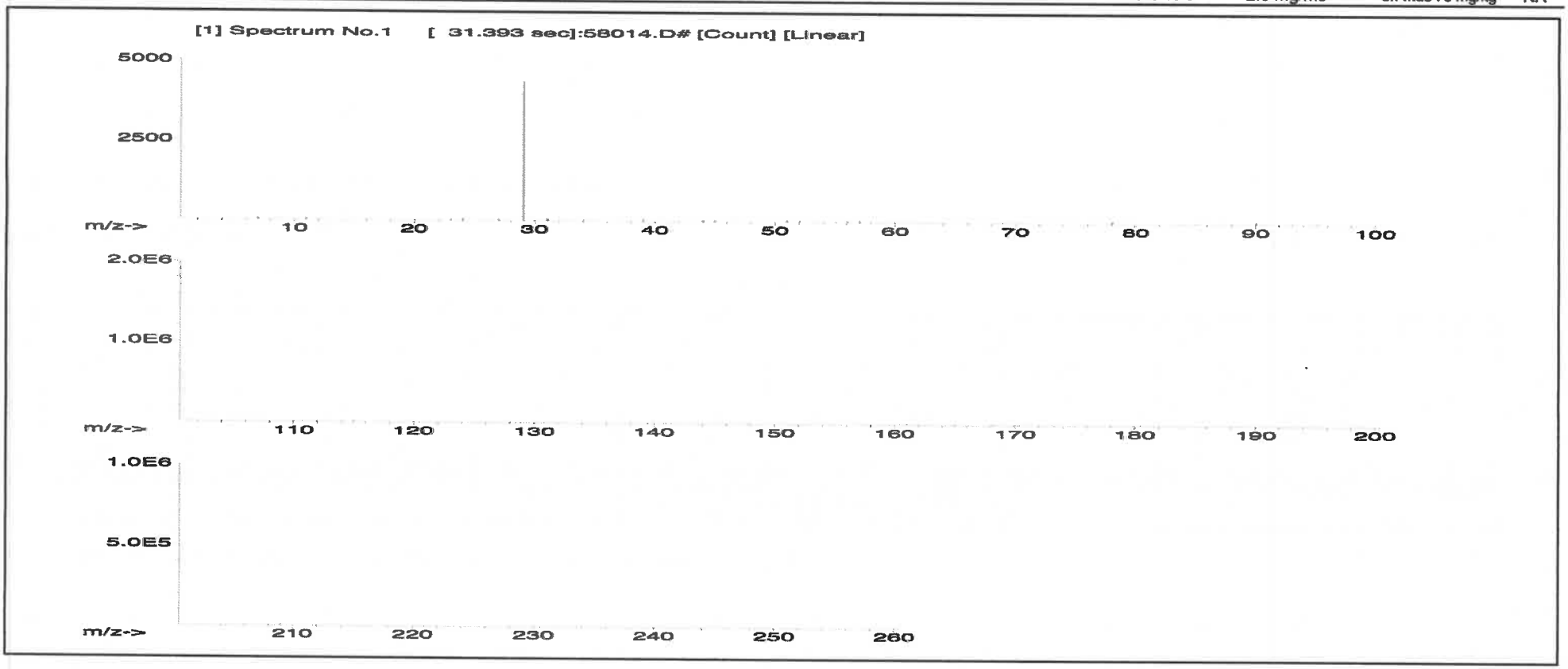
Aleah O'Brady

Formulated By: Aleah O'Brady 122023

Pedro Rentas

Reviewed By: Pedro L. Rentas 122023

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium hexafluorosilicate (Si)	IN009	SID082022A1	1000	99.999	0.10	14.4	13.8854	13.8855	**1000.0**	**2.0**	16919-19-0	2.5 mg/m3	orl-mus 70 mg/kg	NA



13109

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	T	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
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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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1311

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

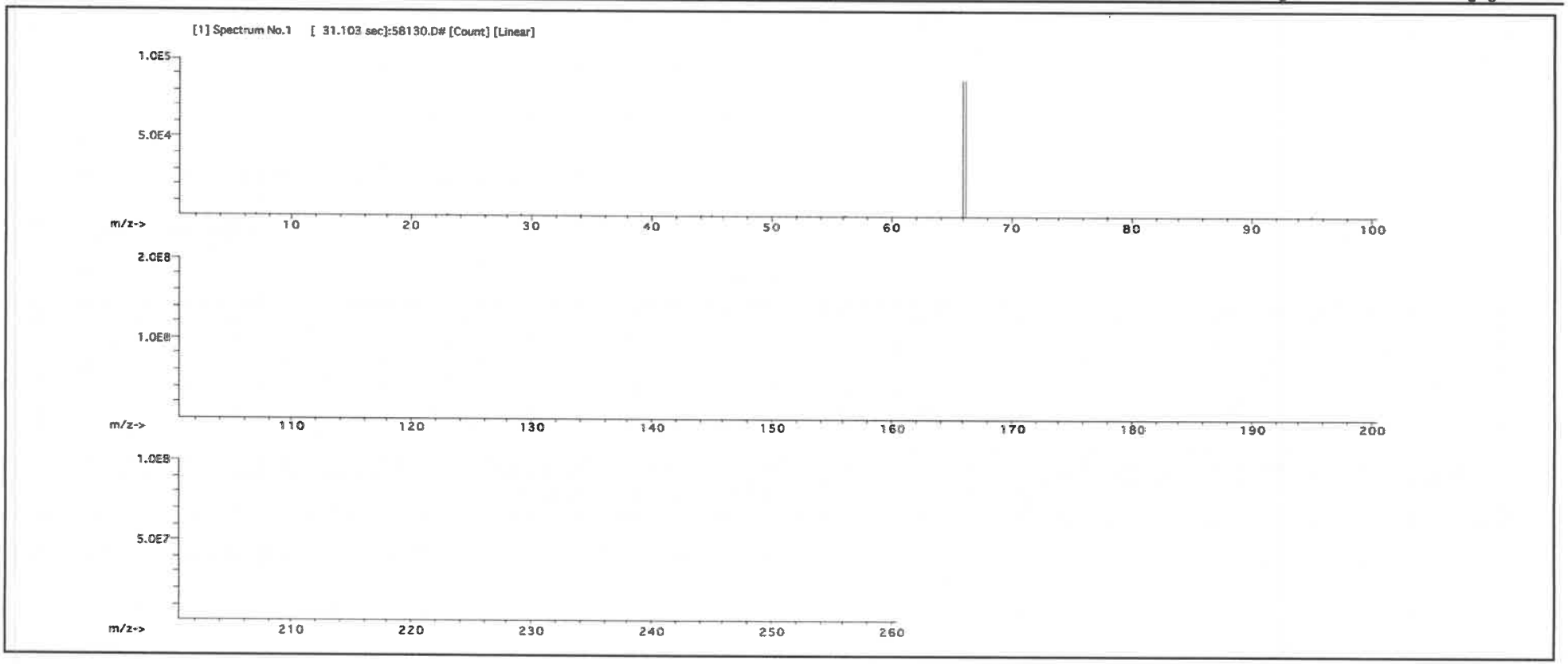
Weight shown below was diluted to (mL): 3000.4 0.06 Flask Uncertainty

		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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* 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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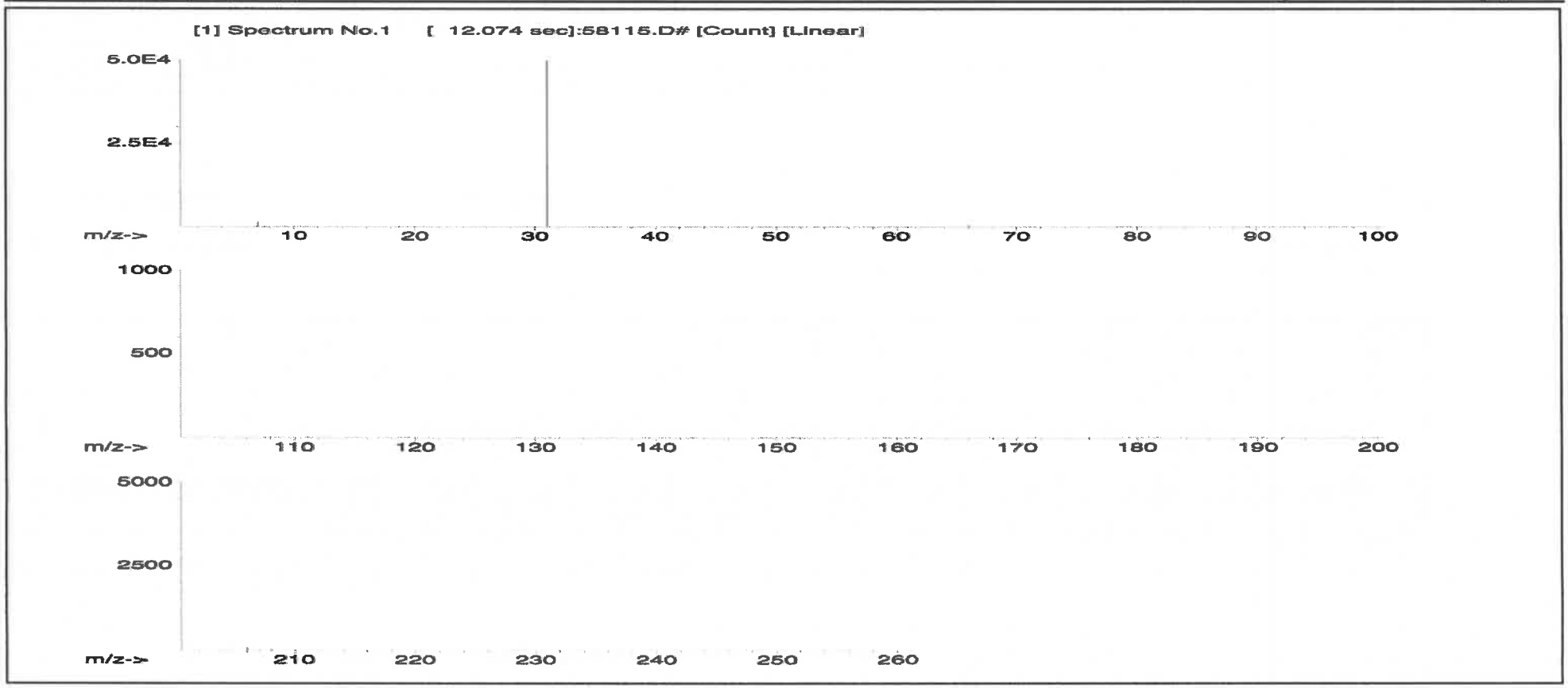
1313

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



1314

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.

* 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).

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800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5961 R: 6/11/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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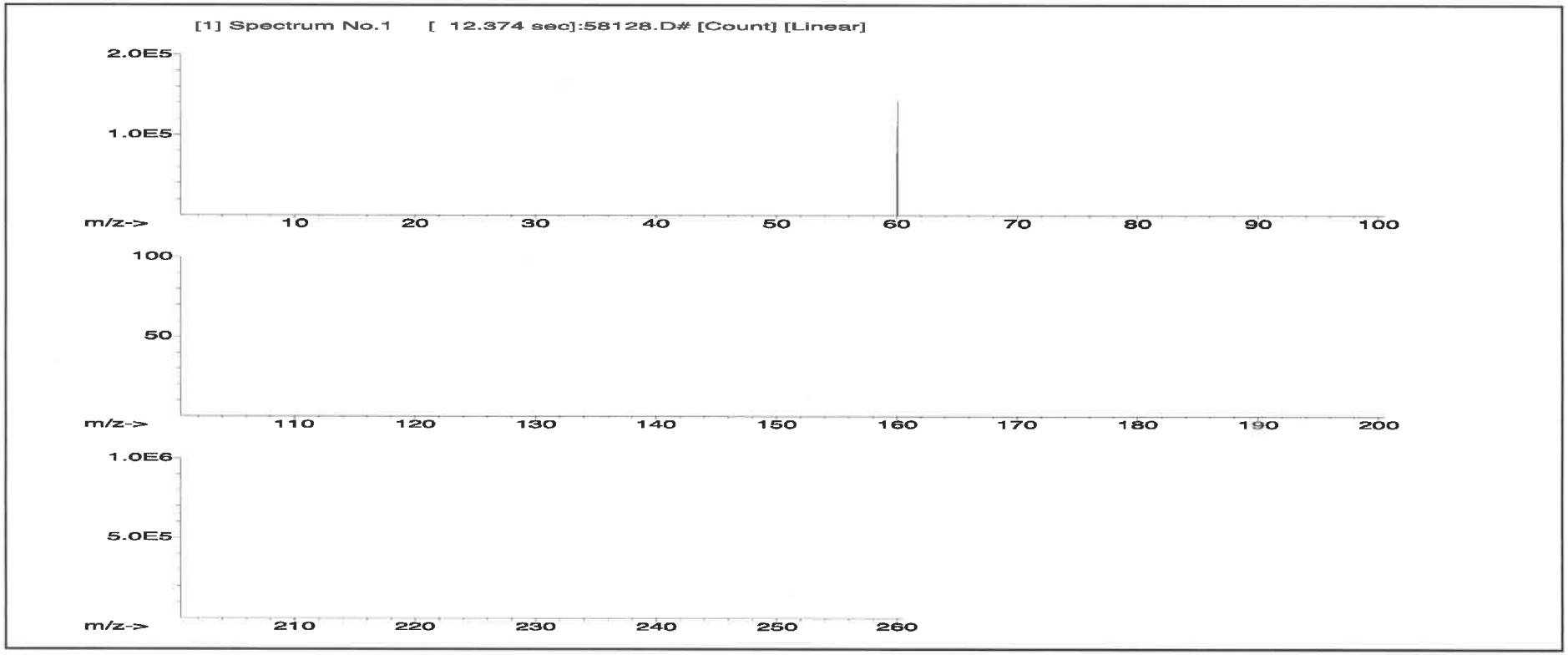
1315

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



1316

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.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

M5962 R! 06/14/24.

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

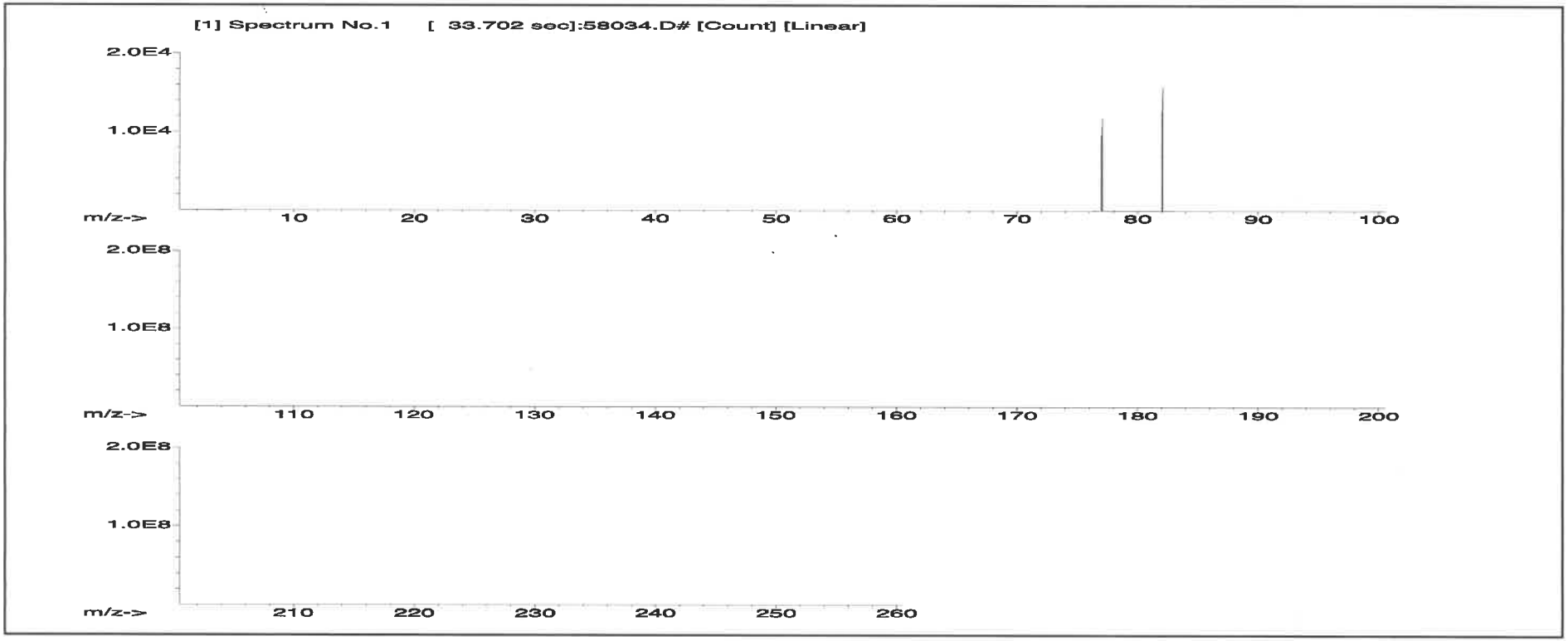
1317

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



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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Certificate of Analysis

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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:	Single Analyte Custom Grade Solution
Catalog Number:	CGMO1
Lot Number:	T2-MO720876
Matrix:	H2O tr. NH4OH
Value / Analyte(s):	1 000 µg/mL ea: Molybdenum
Starting Material:	Ammonium Molybdate
Starting Material Lot#:	2361
Starting Material Purity:	99.9893%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 998 ± 7 µg/mL

Density: 1.000 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **998 ± 4 µg/mL**
ICP Assay NIST SRM 3134 Lot Number: 130418

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance.

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000590	M	Eu	<	0.000300	M	Na		0.000879	M	Se	<	0.008000	M	Zn		0.000598
M	Al		0.000563	M	Fe	<	0.006500	M	Nb	<	0.029000	i	Si	<		M	Zr	<	0.001800
M	As	<	0.002100	M	Ga	<	0.000300	i	Nd	<		M	Sm	<	0.000300				
M	Au	<	0.000300	M	Gd	<	0.000300	M	Ni	<	0.008000	M	Sn	<	0.008900				
M	B	<	0.003300	M	Ge	<	0.000300	M	Os	<	0.000590	M	Sr		0.000175				
M	Ba		0.001689	M	Hf	<	0.001800	i	P	<		M	Ta	<	0.004200				
M	Be	<	0.000890	M	Hg	<	0.003300	M	Pb	<	0.000300	M	Tb	<	0.000300				
M	Bi	<	0.000890	M	Ho	<	0.000300	M	Pd	<	0.001800	M	Te	<	0.021000				
O	Ca		0.006334	M	In	<	0.032000	M	Pr	<	0.013000	M	Th	<	0.000300				
O	Cd	<	0.026000	M	Ir	<	0.000300	M	Pt	<	0.000300	O	Tl	<	0.032000				
M	Ce	<	0.008300	M	K		0.130213	M	Rb		0.004575	M	Tl		0.001266				
M	Co		0.000598	M	La	<	0.000300	M	Re	<	0.000300	M	Tm	<	0.000300				
M	Cr		0.000527	O	Li		0.000059	M	Rh	<	0.000300	M	U	<	0.005300				
M	Cs		0.000527	M	Lu	<	0.000300	M	Ru	<	0.079000	M	V	<	0.000890				
M	Cu		0.002252	M	Mg		0.000563	i	S	<		M	W		0.087982				
M	Dy	<	0.000300	M	Mn	<	0.005900	M	Sb		0.001513	M	Y	<	0.000300				
M	Er	<	0.000300	s	Mo	<		M	Sc	<	0.001200	M	Yb	<	0.000300				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 95.94 +6 6,7,8,9 [MoO4]-2(chemical form as received)

Chemical Compatibility -Mo is received in a NH4OH matrix giving the operator the option of using HCl or HF to stabilize acidic solutions. The [MoO4]-2 is soluble in concentrated HCl [MoOCl5]-2, dilute HF / HNO3 [MoOF5]-2 and basic media [MoO4]-2. Stable at ppm levels with some metals provided it is fluorinated. Do not mix with Alkaline or Rare Earths when HF is present. Stable with most inorganic anions provided it is in the [MoO4]-2 chemical form.

Stability - 2-100 ppb levels stable (alone or mixed with all other metals that are at comparable levels) as the [MoOF5]-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the [MoO4]-2 chemically stable for years in 1% NH4OH in a LDPE container.

Mo Containing Samples (Preparation and Solution) -Metal (Soluble in HF / HNO3 or hot dilute HCl); Oxide (soluble in HF or NH4OH) ; Organic Matrices (Dry ash at 450EC in Pt0 and dissolve oxide with HF or HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 95 amu	3 ppt	n/a	40Ar39K16O,79Br1 6O,190Os2+,190Pt 2+
ICP-OES 202.030 nm	0.008 / 0.0002 µg/mL	1	Os, Hf
ICP-OES 203.844 nm	0.012 / 0.002 µg/mL	1	
ICP-OES 204.598 nm	0.012 / 0.001 µg/mL	1	Ir, Ta

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Supervisor, Product Documentation



Certificate Approved By:

Michael Booth
Director, Technical



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



1323

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) HNO_3 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

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 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

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www.absolutestandards.com

Certified Reference Material CRM

H5981 R:6/11/24

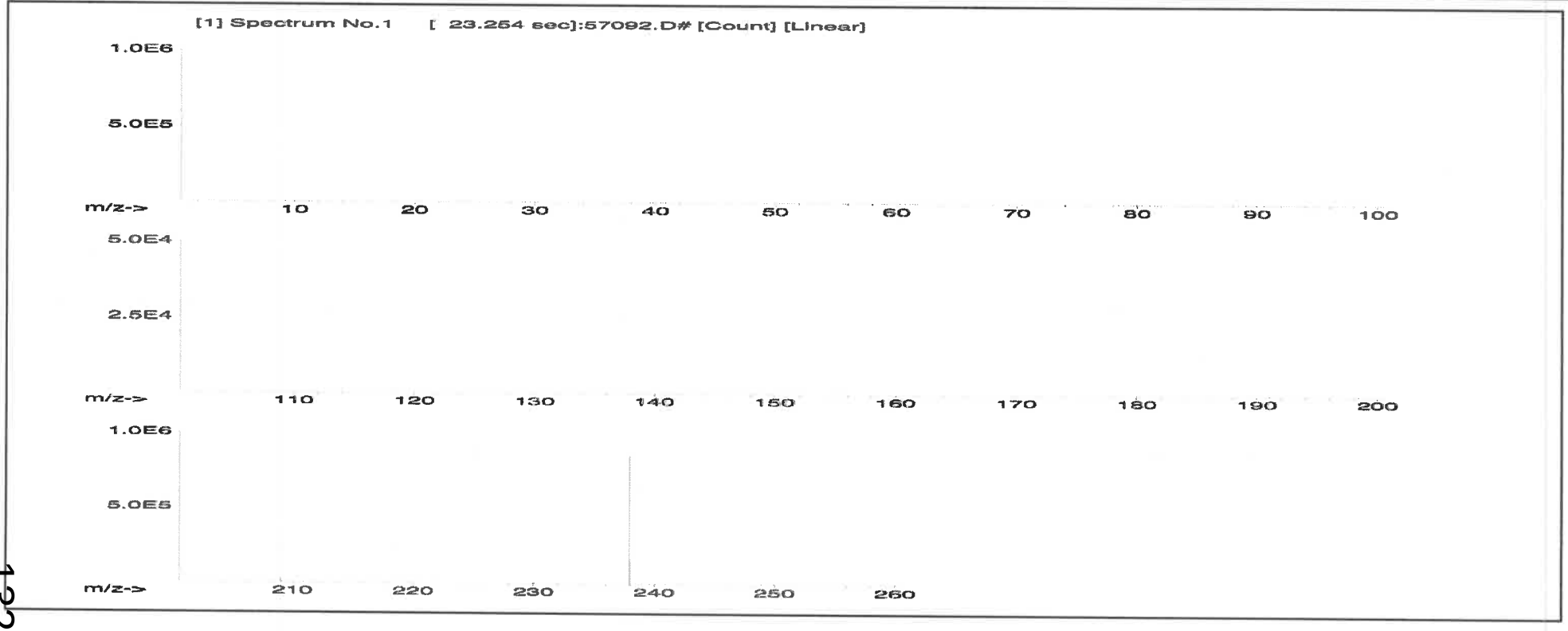
ANAB ISO 17034 Accredited
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https://Absolutestandards.com

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



1327

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).

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Certified Reference Material CRM

45982 R: 6/11/24

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CERTIFIED WEIGHT REPORT:

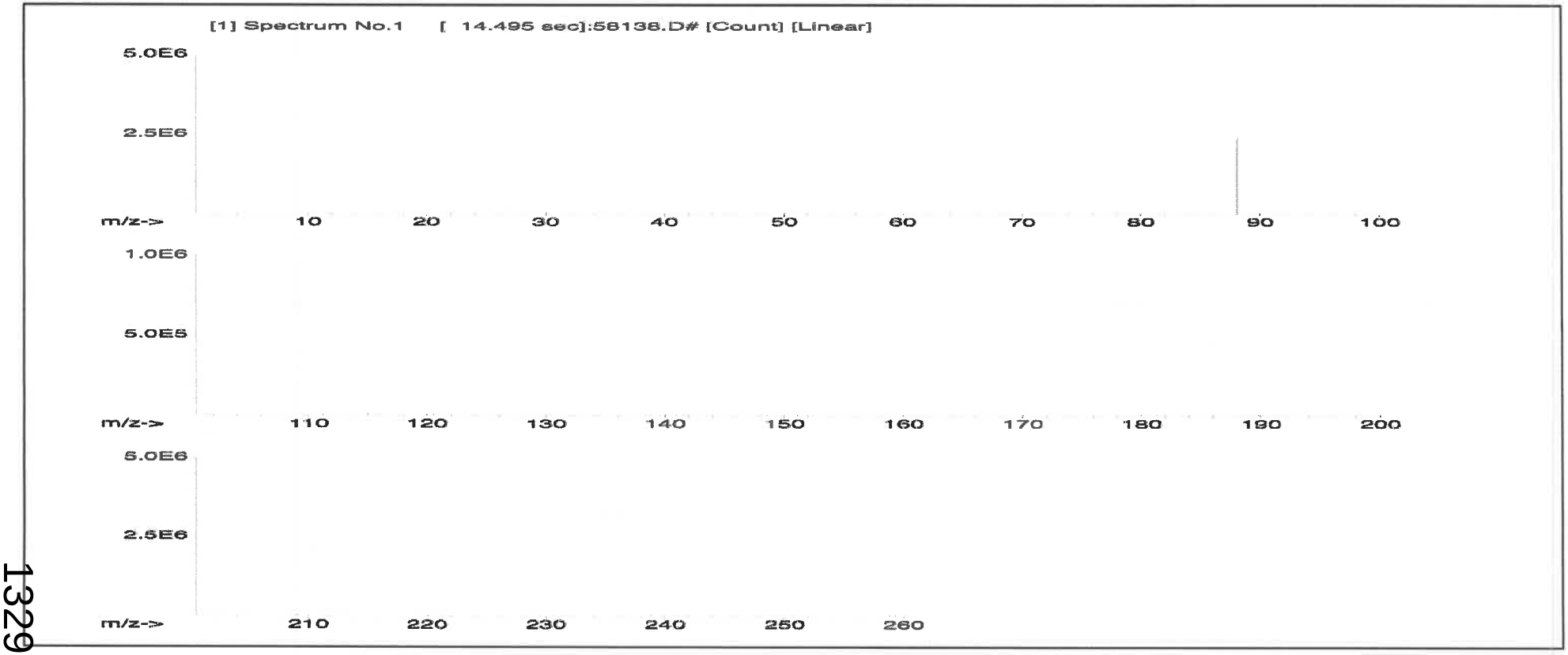
Part Number: 57038
Lot Number: 031524
Description: Strontium (Sr)

Expiration Date: 031527
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.07

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	
5E-05	Balance Uncertainty		
0.100	Flask Uncertainty		

Formulated By:	Benson Chan	031524
Reviewed By:	Pedro L. Rentas	031524

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Strontium nitrate (Sr)	IN017	SRZ022018A1	1000	99.997	0.10	41.2	4.85470	4.85502	**1000.1**	**2.0**	10042-76-9	NA	orl-rat >2000mg/kg	3153a



1329

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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M5983 R: 6/11/24

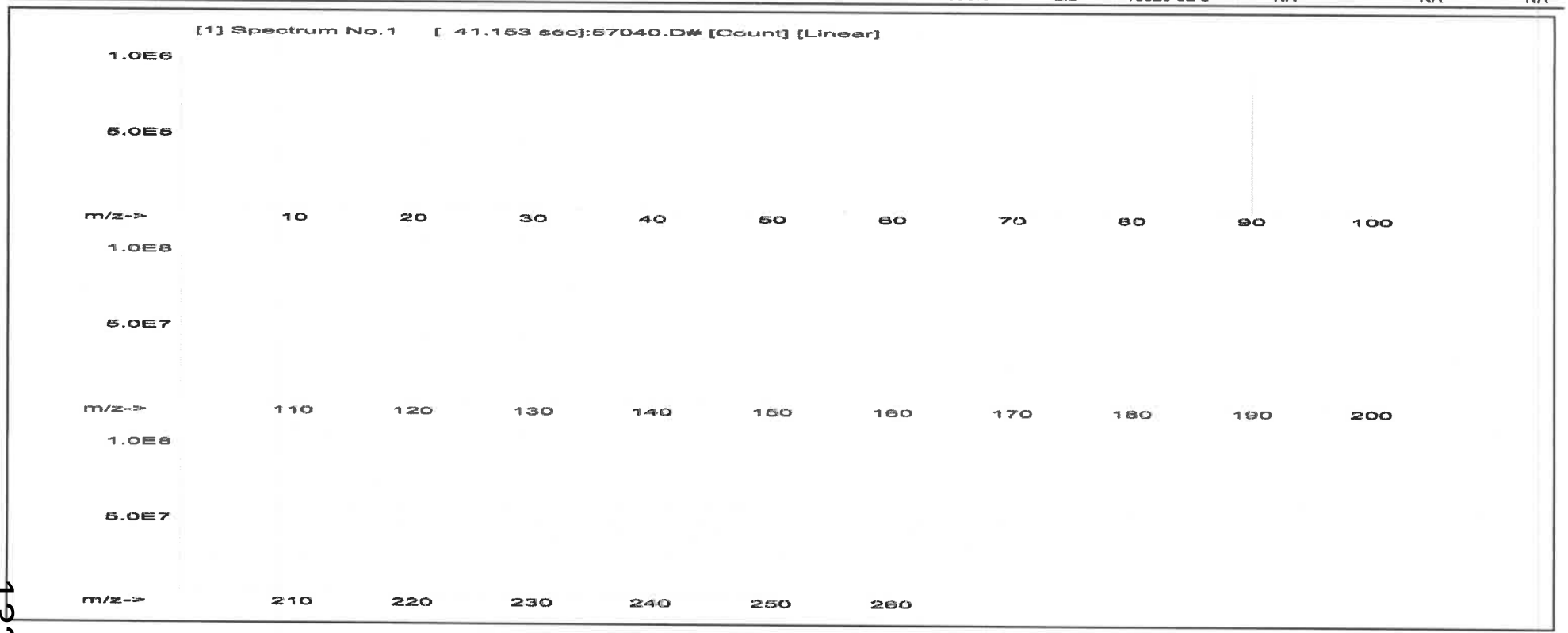
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT:

		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



1331

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.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

R: 01/03/24 M6033

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1333

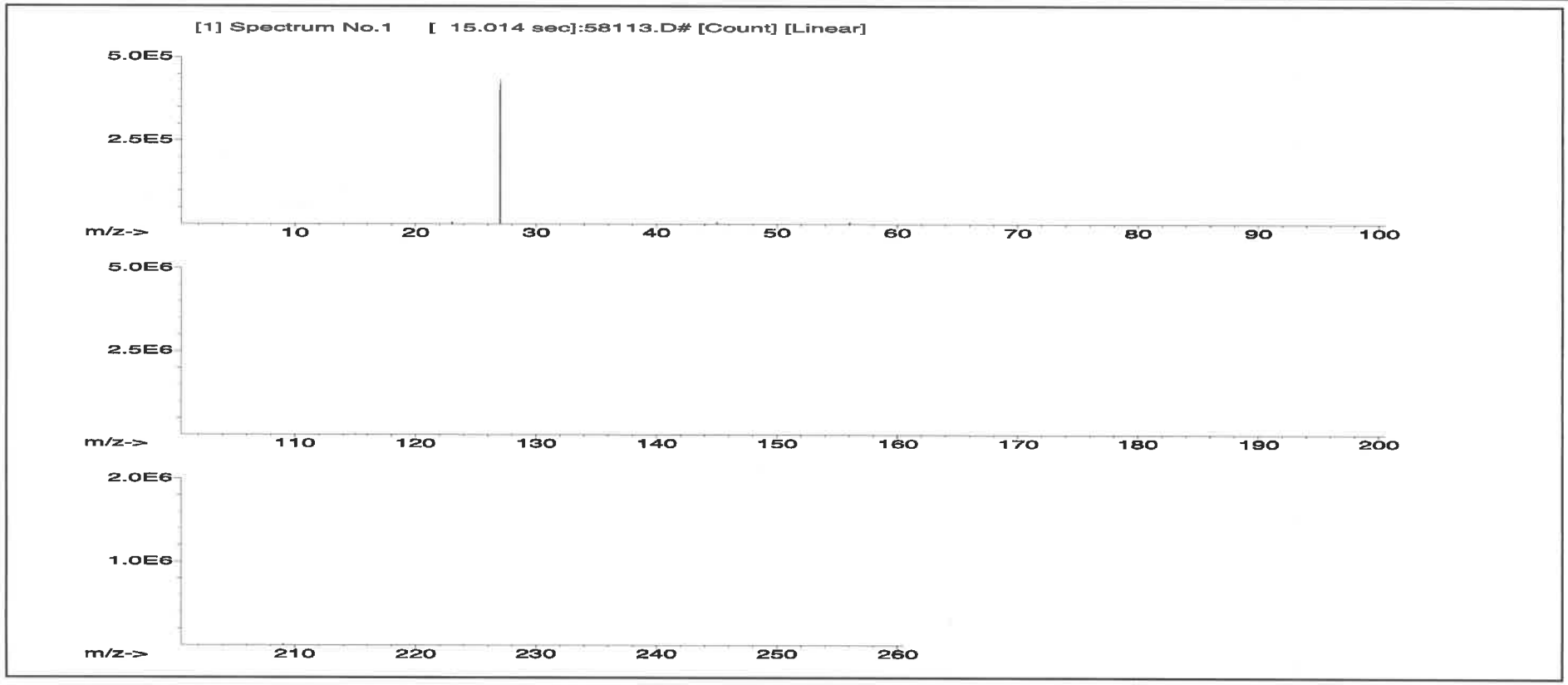
CERTIFIED WEIGHT REPORT:

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
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

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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

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 >>>

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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

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

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

R 18/19/24, M60055

300 Technology Drive
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:	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

avantor™ | J.T.Baker®

R: 9/10/24

Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
Revision No.: 0

Certificate of Analysis

M6088, M6089, M6090, M6091, M6092, M6093

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

1347

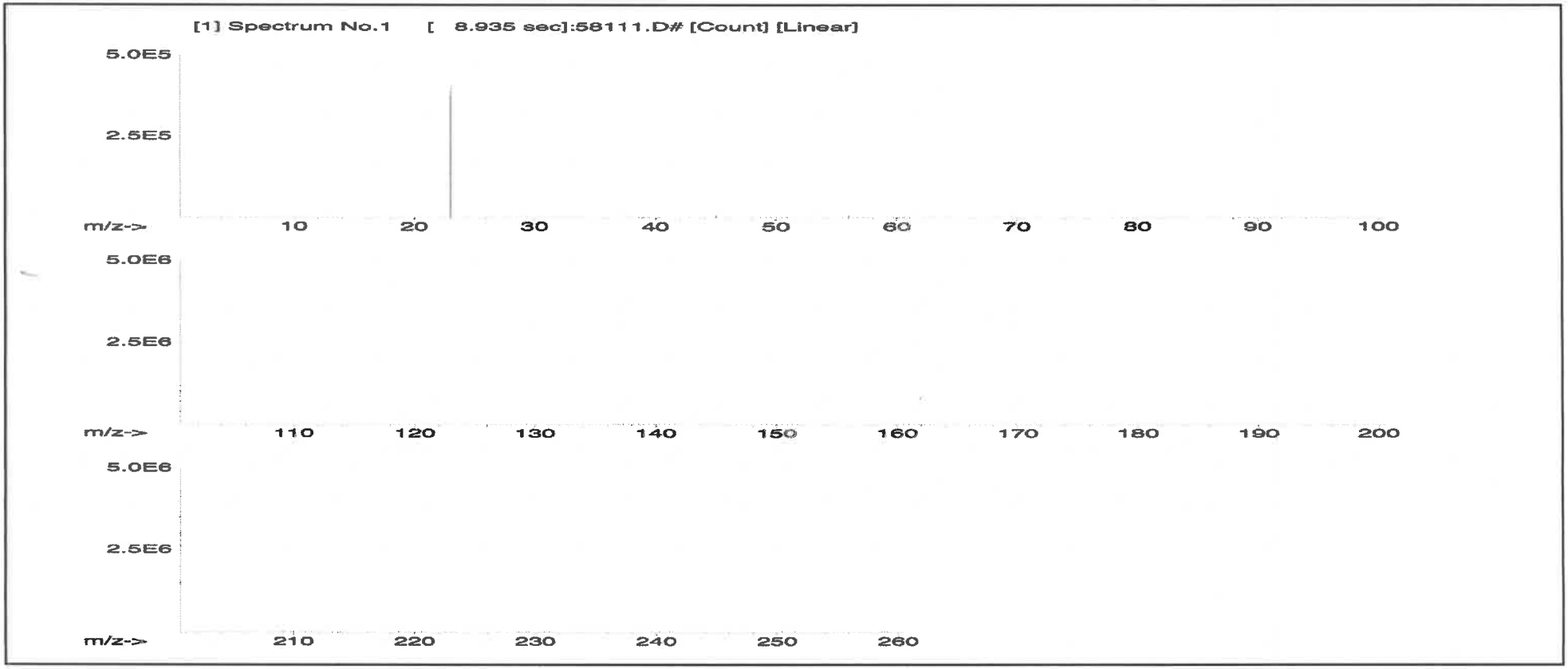
CERTIFIED WEIGHT REPORT:

			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

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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:	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:

1349

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
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2700 Chandler Avenue - Building C
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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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Certified Reference Material CRM

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R: 01/03/24 M5802, M5803

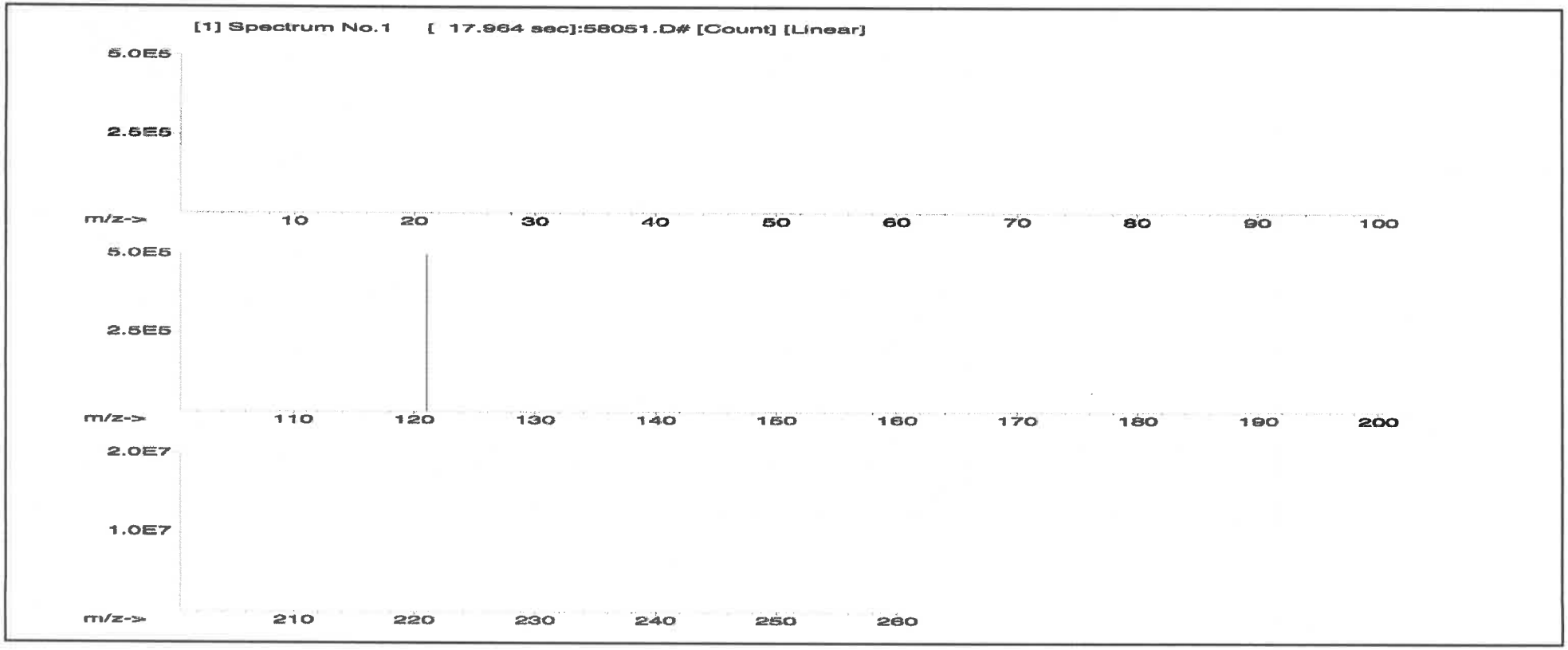
1357

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



13588

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	T	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

M6030

R: 8/5/24

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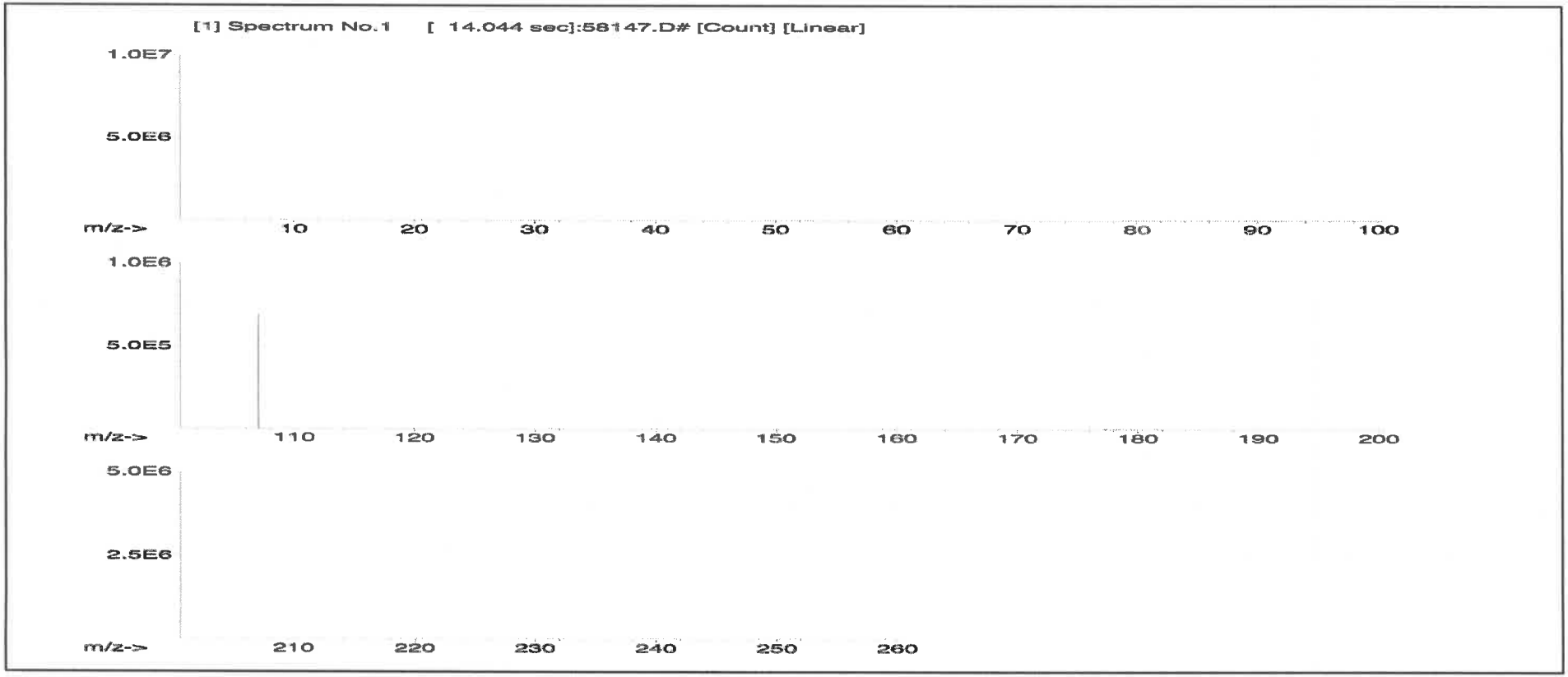
1359

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



1360

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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Certified Reference Material CRM

R: 03/16/23 M5473, M5474, M5475, M5476

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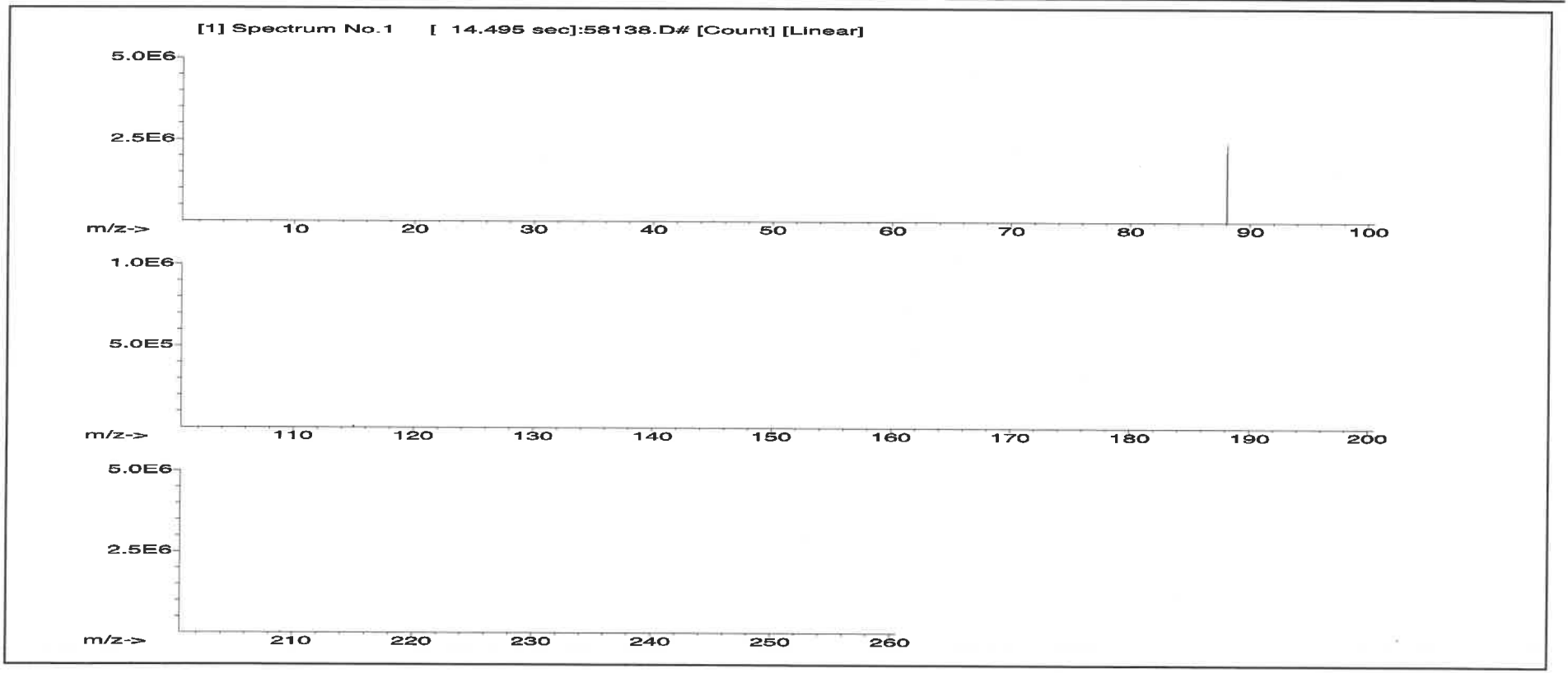
1361

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



1362

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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* 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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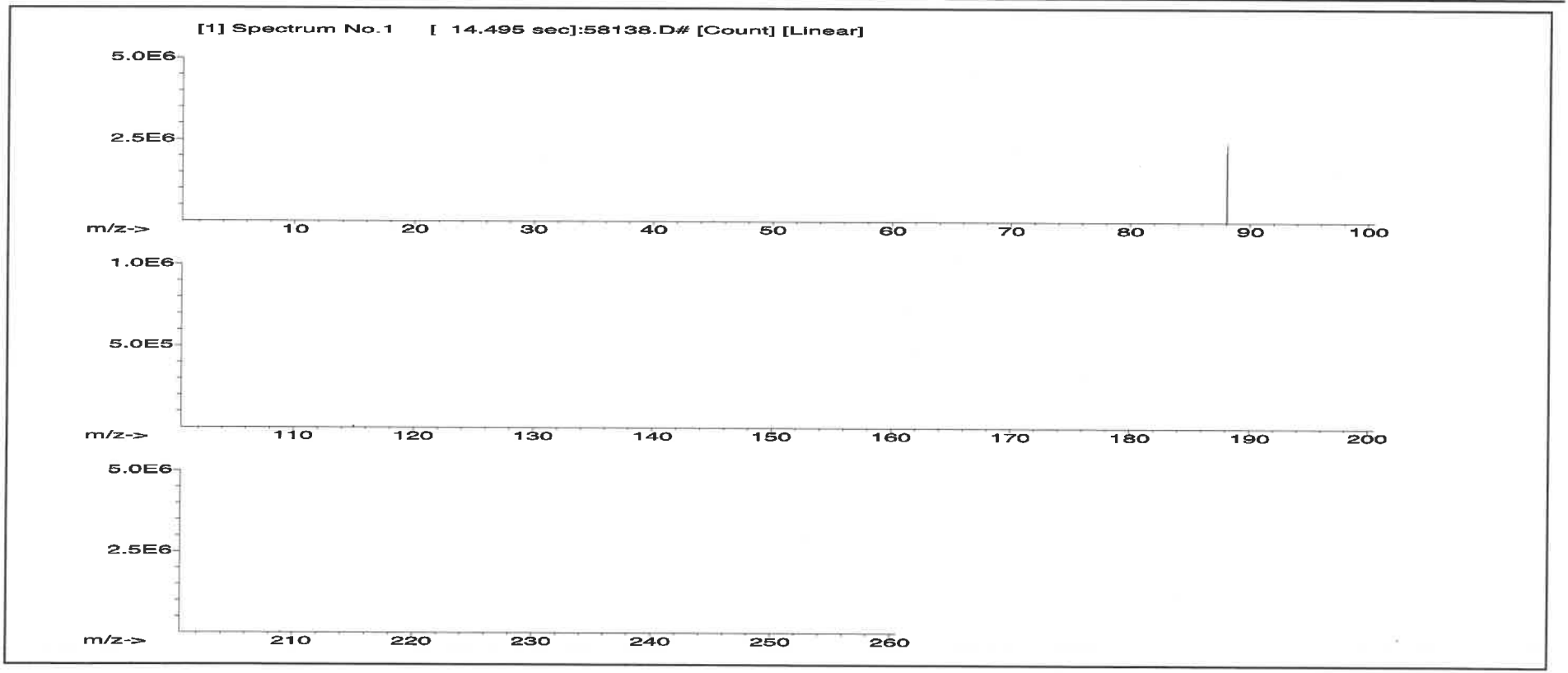
1363

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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M6023

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1365

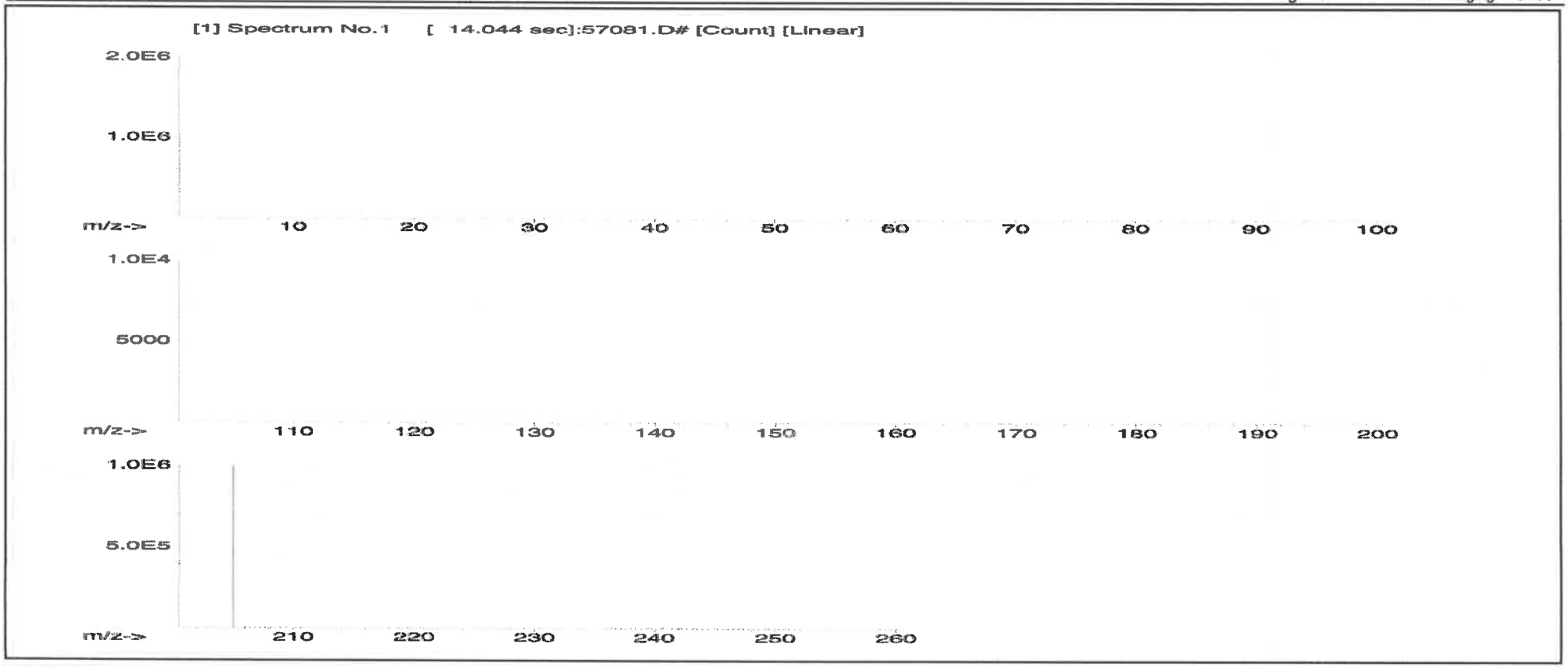
CERTIFIED WEIGHT REPORT:

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



1366

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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1367

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	

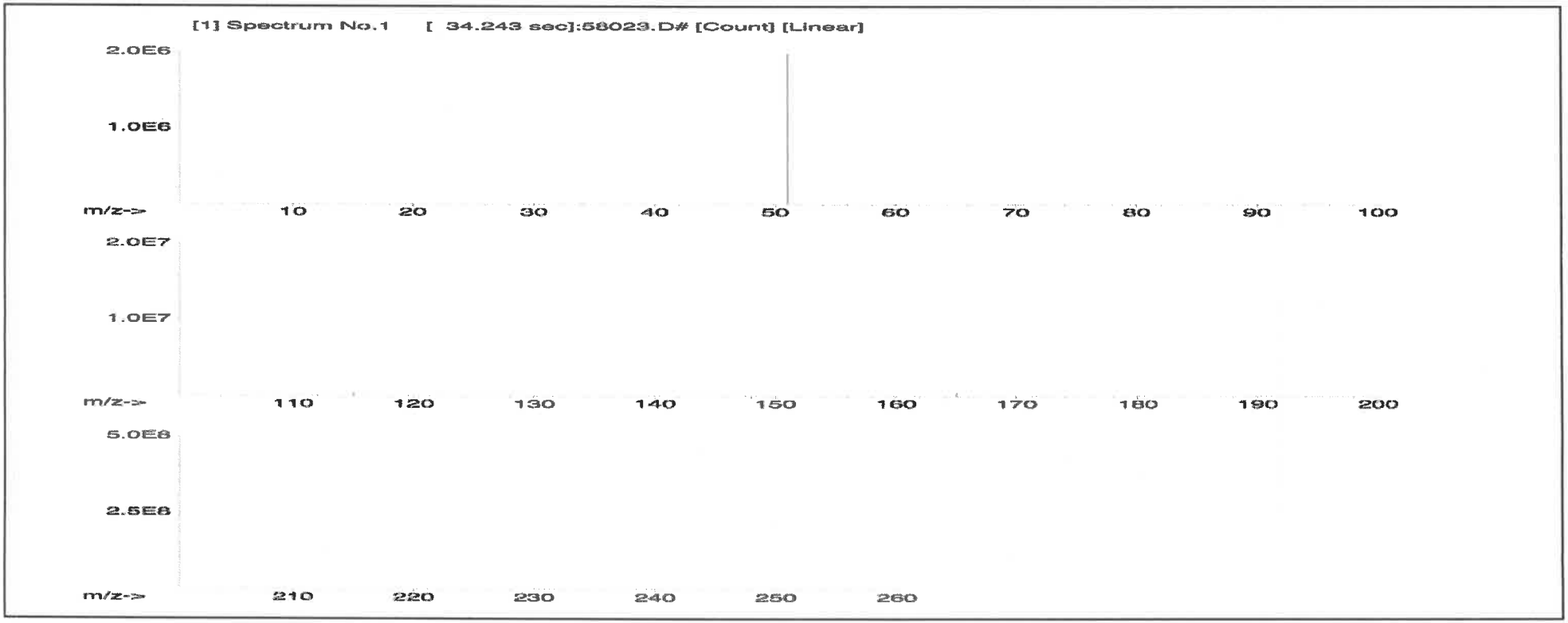
Aleah O'Brady

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



1368

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	T
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB164281

SOP ID : M3050B-Digestion-20, MSFAM01.1-Metals ICPMS-2

SDG No : MYDBF4

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 #5 2. N/A

Start Digest Date: 10/21/2024 **Time :** 09:30 **Temp :** 97 °C

End Digest Date: 10/21/2024 **Time :** 12:30 **Temp :** 97 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #5

Dig Technician Signature: jopp

Supervisor Signature:

Temp : 1. 97°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.00mL	MP82583
LCSSD	0.50ml	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	10.00ml	MP81119
1:1 HCL	5.00ml	MP82127
CONC: HNO3	5.00ml	M6090
30% H2O2	3.00ml	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 #5 CELL #34 : 97 C
For Spike Sol 1-0.3ml each M5565,M5657,0.027mL M5962
For Spike Sol 2-1.5mL each M5565,M5657,0.135mL M5962

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/24 12:40	jopp / Met dig	
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB164281

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P4333-01	MYDBF4	N/A	1.46	500	Brown	Yellow	Medium	N/A	N/A	1
P4333-02	MYDBF5	N/A	1.18	500	Brown	Yellow	Medium	N/A	N/A	2
P4333-02MS	MYDBF5MS RE JBP 10/21/24	N/A	1.02	500	Brown	Yellow	Medium	N/A	M5565,M5657,M5962	3
~~P4333-02MSD~~	~~MYDBF5MSD~~ JBP 10/21/24	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	N/A
P4333-03	MYDBF5D	N/A	1.09	500	Brown	Yellow	Medium	N/A	N/A	4
P4333-04	MYDBF5S	N/A	1.35	500	Brown	Yellow	Medium	N/A	M5565,M5657,M5962	5
PB164281BL	PBS281	N/A	1.00	500	Colorless	Colorless	Fine	N/A	N/A	6
PB164281BS	LCS281	N/A	1.00	500	Colorless	Colorless	Fine	N/A	MP82583	7
PB164281BSD	LCSD281	N/A	1.00	500	Colorless	Colorless	Fine	N/A	MP82583	8

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 # LB133196

Review By	Sarabjit Jaswal	Review On	10/29/2024 8:26:02 PM
Supervise By	Mohan Bera	Supervise On	10/29/2024 8:26:44 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	TUNE006	TUNE	10/29/24 17:38		Jaswal	OK
2	S00	S0	CAL1	10/29/24 18:13		Jaswal	OK
3	S02	S02	CAL3	10/29/24 18:19		Jaswal	OK
4	S03	S03	CAL4	10/29/24 18:22		Jaswal	OK
5	S04	S04	CAL5	10/29/24 18:26		Jaswal	OK
6	S05	S05	CAL6	10/29/24 18:29		Jaswal	OK
7	S06	S06	CAL7	10/29/24 18:31		Jaswal	OK
8	S07	S07	CAL8	10/29/24 18:34		Jaswal	OK
9	S08	S08	CAL9	10/29/24 18:37		Jaswal	OK
10	ICV006	ICV006	ICV	10/29/24 18:42		Jaswal	OK
11	ICB006	ICB006	ICB	10/29/24 18:45		Jaswal	OK
12	ICSA006	ICSA006	ICSA	10/29/24 18:49		Jaswal	OK
13	ICSAB006	ICSAB006	ICSAB	10/29/24 18:52		Jaswal	OK
14	CCV029	CCV029	CCV	10/29/24 18:55		Jaswal	OK
15	CCB029	CCB029	CCB	10/29/24 18:58		Jaswal	OK
16	PB164339BL	PBW339	MB	10/29/24 19:01		Jaswal	OK
17	PB164339BS	LCS339	LCS	10/29/24 19:04		Jaswal	OK
18	P4322-01	MYD0L6	SAM	10/29/24 19:07		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 # LB133196

Review By	Sarabjit Jaswal	Review On	10/29/2024 8:26:02 PM
Supervise By	Mohan Bera	Supervise On	10/29/2024 8:26:44 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	P4322-02	MYD0Y6	SAM	10/29/24 19:11		Jaswal	OK
20	P4322-03	MYD0Y8	SAM	10/29/24 19:14		Jaswal	OK
21	P4322-04	MYD035	SAM	10/29/24 19:17		Jaswal	OK
22	P4322-05	MYD036	SAM	10/29/24 19:21		Jaswal	OK
23	P4322-06	MYD038	SAM	10/29/24 19:24		Jaswal	OK
24	P4322-07	MYDD00	SAM	10/29/24 19:27		Jaswal	OK
25	P4322-08	MYDD01	SAM	10/29/24 19:30		Jaswal	OK
26	P4322-09	MYDD02	SAM	10/29/24 19:34		Jaswal	OK
27	P4322-10	MYDD03	SAM	10/29/24 19:37		Jaswal	OK
28	CCV030	CCV030	CCV	10/29/24 19:40		Jaswal	OK
29	CCB030	CCB030	CCB	10/29/24 19:43		Jaswal	OK
30	P4314-10DL	MYDB51	SAM	10/29/24 19:47	4X for Ba,Co,Ni,V	Jaswal	Confirms
31	P4314-11DL	MYDB51D	DUP	10/29/24 19:50	4X for Ba,Co,Ni,V	Jaswal	Confirms
32	P4314-10LDL	MYDB51L	SD	10/29/24 19:53	20X for Ba,Co,Ni,V	Jaswal	Confirms
33	P4314-12DL	MYDB51S	MS	10/29/24 19:56	4X for Ba,Co,Ni,V	Jaswal	Confirms
34	P4314-10MSDL	MYDB51SRE	MS	10/29/24 20:00	4X for Ba,Co,Ni,V	Jaswal	Confirms
35	P4314-10A	MYDB51ARE	PS	10/29/24 20:06	PS for As-0.0047ml(M5801),Pb-0.0038ml(M6026),Ag-0.02ml(MP82908),Tl-0.021ml(MP82960)-10ml	Jaswal	OK
36	P4316-16DL	MYDB88	SAM	10/29/24 20:09	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 # LB133196

Review By	Sarabjit Jaswal	Review On	10/29/2024 8:26:02 PM
Supervise By	Mohan Bera	Supervise On	10/29/2024 8:26:44 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

37	P4316-17DL	MYDB88D	DUP	10/29/24 20:12	4X for Ba,Co,Ni,V	Jaswal	Confirms
38	P4316-16LDL	MYDB88L	SD	10/29/24 20:16	20X for Ba,Co,Ni,V	Jaswal	Confirms
39	P4316-18DL	MYDB88S	MS	10/29/24 20:19	4X for Ba,Co,Ni,V	Jaswal	Confirms
40	P4316-16MSDL	MYDB88SRE	MS	10/29/24 20:22	4X for Ba,Co,Ni,V	Jaswal	Confirms
41	P4316-16A	MYDB88ARE	PS	10/29/24 20:25	PS for Ag-0.02ml(MP82908)-10ml	Jaswal	OK
42	P4317-09DL	MYDBA0	SAM	10/29/24 20:28	4X for Ba,Co,Ni,V	Jaswal	Confirms
43	P4317-10DL	MYDBA0D	DUP	10/29/24 20:32	4X for Ba,Co,Ni,V	Jaswal	Confirms
44	P4317-09LDL	MYDBA0L	SD	10/29/24 20:35	20X for Ba,Co,Ni,V	Jaswal	Confirms
45	P4317-11DL	MYDBA0S	MS	10/29/24 20:38	4X for Ba,Co,Ni,V	Jaswal	Confirms
46	P4317-09MSDL	MYDBA0SRE	MS	10/29/24 20:41	4X for Ba,Co,Ni,V	Jaswal	Confirms
47	P4317-08DL	MYDB99	SAM	10/29/24 20:45	Not Used	Jaswal	Not Ok
48	P4317-09A	MYDBA0ARE	PS	10/29/24 20:48	PS for Pb-0.0034ml(M6026),Ag-0.02ml(MP82908)-10ml	Jaswal	OK
49	P4318-20DL	MYDB72	SAM	10/29/24 20:51	4X for Ba,Co,Ni,V	Jaswal	Confirms
50	P4318-21DL	MYDB72D	DUP	10/29/24 20:54	4X for Ba,Co,Ni,V	Jaswal	Confirms
51	P4318-20LDL	MYDB72L	SD	10/29/24 20:57	4X for Ba,Co,Ni,V	Jaswal	Confirms
52	P4318-22DL	MYDB72S	MS	10/29/24 21:01	4X for Ba,Co,Ni,V	Jaswal	Confirms
53	P4318-20MSDL	MYDB72SRE	MS	10/29/24 21:04	4X for Ba,Co,Ni,V	Jaswal	Confirms
54	P4318-20A	MYDB72ARE	PS	10/29/24 21:07	PS for Ag-0.02ml(MP82908)-10ml	Jaswal	OK

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Supervise By	Mohan Bera	Supervise On	10/29/2024 8:26:44 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

55	P4317-08	MYDB99	SAM	10/29/24 21:10		Jaswal	OK
56	CCV031	CCV031	CCV	10/29/24 21:13		Jaswal	OK
57	CCB031	CCB031	CCB	10/29/24 21:16		Jaswal	OK
58	PB164279BS	LCS279	LCS	10/29/24 21:20		Jaswal	OK
59	PB164279BL	PBS279	MB	10/29/24 21:33		Jaswal	OK
60	PB164279BSD	LCSD279	LCSD	10/29/24 21:36		Jaswal	OK
61	P4331-10	MYDBC1	SAM	10/29/24 21:40		Jaswal	OK
62	P4331-11	MYDBC2	SAM	10/29/24 21:43		Jaswal	OK
63	P4331-12	MYDBC3	SAM	10/29/24 21:46		Jaswal	OK
64	P4331-13	MYDBC4	SAM	10/29/24 21:49		Jaswal	OK
65	P4331-14	MYDBC5	SAM	10/29/24 21:52		Jaswal	OK
66	P4331-15	MYDBC6	SAM	10/29/24 21:55		Jaswal	OK
67	P4331-16	MYDBC7	SAM	10/29/24 21:58		Jaswal	OK
68	P4331-17	MYDBC8	SAM	10/29/24 22:02		Jaswal	OK
69	P4331-18	MYDBC9	SAM	10/29/24 22:05		Jaswal	OK
70	P4331-19	MYDBD0	SAM	10/29/24 22:08		Jaswal	OK
71	P4331-20	MYDBD1	SAM	10/29/24 22:11		Jaswal	OK
72	P4331-21	MYDBD2	SAM	10/29/24 22:14		Jaswal	OK
73	P4331-22	MYDBD3	SAM	10/29/24 22:17		Jaswal	OK
74	PB164281BL	PBS281	MB	10/29/24 22:20		Jaswal	OK

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ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

75	PB164281BS	LCS281	LCS	10/29/24 22:23		Jaswal	OK
76	CCV032	CCV032	CCV	10/29/24 23:07		Jaswal	OK
77	CCB032	CCB032	CCB	10/29/24 23:10		Jaswal	OK
78	P4332-08	MYDBE1	SAM	10/29/24 23:13	INT_STD 209Bi(1) Fail	Jaswal	Dilution
79	P4332-09	MYDBE2	SAM	10/29/24 23:16		Jaswal	OK
80	P4332-10	MYDBE3	SAM	10/29/24 23:19		Jaswal	OK
81	P4332-11	MYDBE4	SAM	10/29/24 23:22	INT_STD 209Bi(1) Fail	Jaswal	Dilution
82	P4332-12	MYDBE5	SAM	10/29/24 23:25	INT_STD 209Bi(1) Fail	Jaswal	Dilution
83	P4332-13	MYDBE6	SAM	10/29/24 23:28	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
84	P4332-14	MYDBE6D	DUP	10/29/24 23:31	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
85	P4332-13L	MYDBE6L	SD	10/29/24 23:34	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
86	P4332-15	MYDBE6S	MS	10/29/24 23:38	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
87	P4332-13MS	MYDBE6SRE	MS	10/29/24 23:41	Ba,Co,Ni,V High	Jaswal	Dilution
88	P4332-16	MYDBE7	SAM	10/29/24 23:44		Jaswal	OK
89	P4332-17	MYDBE8	SAM	10/29/24 23:47		Jaswal	OK
90	P4332-18	MYDBE9	SAM	10/29/24 23:50		Jaswal	OK
91	P4332-19	MYDBF0	SAM	10/29/24 23:53		Jaswal	OK
92	P4332-20	MYDBF1	SAM	10/29/24 23:56	INT_STD 209Bi(1) Fail	Jaswal	Dilution
93	P4332-21	MYDBF2	SAM	10/29/24 23:59		Jaswal	OK
94	P4332-22	MYDBF3	SAM	10/30/24 00:02	INT_STD 209Bi(1) Fail	Jaswal	OK

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ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

95	P4333-01	MYDBF4	SAM	10/30/24 00:05		Jaswal	OK
96	P4333-02	MYDBF5	SAM	10/30/24 00:08	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
97	P4333-03	MYDBF5D	DUP	10/30/24 00:11	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
98	P4333-02L	MYDBF5L	SD	10/30/24 00:14	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
99	P4333-04	MYDBF5S	MS	10/30/24 00:17	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
100	P4333-02MS	MYDBF5SRE	MS	10/30/24 00:20	Ba,Co,ni,V High	Jaswal	Dilution
101	P4332-13DL	MYDBE6	SAM	10/30/24 00:23	4X For Ba,Co,Ni,V	Jaswal	Confirms
102	P4332-14DL	MYDBE6D	DUP	10/30/24 00:26	4X For Ba,Co,Ni,V	Jaswal	Confirms
103	P4332-13LDL	MYDBE6L	SD	10/30/24 00:29	20X For Ba,Co,Ni,V	Jaswal	Confirms
104	CCV033	CCV033	CCV	10/30/24 00:33		Jaswal	OK
105	CCB033	CCB033	CCB	10/30/24 00:36		Jaswal	OK
106	P4332-15DL	MYDBE6S	MS	10/30/24 00:39	4X For Ba,Co,Ni,V	Jaswal	Confirms
107	P4332-13MSDL	MYDBE6SRE	MS	10/30/24 00:42	4X For Ba,Co,Ni,V	Jaswal	Confirms
108	P4333-02DL	MYDBF5	SAM	10/30/24 00:45	4X For Ba,Co,Ni,V	Jaswal	Confirms
109	P4333-03DL	MYDBF5D	DUP	10/30/24 00:48	4X For Ba,Co,Ni,V	Jaswal	Confirms
110	P4333-02LDL	MYDBF5L	SD	10/30/24 00:51	20X For Ba,Co,Ni,V	Jaswal	Confirms
111	P4333-04DL	MYDBF5S	MS	10/30/24 00:55	4X For Ba,Co,Ni,V	Jaswal	Confirms
112	P4333-02MSDL	MYDBF5SRE	MS	10/30/24 00:58	4X For Ba,Co,Ni,V	Jaswal	Confirms
113	PB164281BSD	LCSD281	LCSD	10/30/24 01:01		Jaswal	OK
114	P4332-01	MYDBD4	SAM	10/30/24 01:04	INT_STD 209Bi(1) Fail	Jaswal	Dilution

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ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

115	P4332-02	MYDBD5	SAM	10/30/24 01:07	INT_STD 209Bi(1) Fail	Jaswal	Dilution
116	P4332-03	MYDBD6	SAM	10/30/24 01:10	INT_STD 209Bi(1) Fail, Cu High	Jaswal	Dilution
117	P4332-04	MYDBD7	SAM	10/30/24 01:13	INT_STD 209Bi(1) Fail	Jaswal	Dilution
118	P4332-05	MYDBD8	SAM	10/30/24 01:16	INT_STD 209Bi(1) Fail,Cu,Zn High	Jaswal	Dilution
119	P4332-06	MYDBD9	SAM	10/30/24 01:19		Jaswal	OK
120	P4332-07	MYDBE0	SAM	10/30/24 01:30		Jaswal	OK
121	P4332-08DL	MYDBE1	SAM	10/30/24 01:33	2X For INT_STD209Bi(1)	Jaswal	Confirms
122	P4332-11DL	MYDBE4	SAM	10/30/24 01:36	2X For INT_STD209Bi(1)	Jaswal	Confirms
123	P4332-12DL	MYDBE5	SAM	10/30/24 01:39	2X For INT_STD209Bi(1)	Jaswal	Confirms
124	P4332-20DL	MYDBF1	SAM	10/30/24 01:42	2X For INT_STD209Bi(1)	Jaswal	Confirms
125	P4332-22DL	MYDBF3	SAM	10/30/24 01:45	2X For INT_STD 209Bi(1), Still Fail so Report From Original	Jaswal	Not Ok
126	P4332-13A	MYDBE6ARE	PS	10/30/24 01:48	PS for As,Se,Ag,Zn - As - 0.008-M5801, Se- 0.016 - MP82590 , Ag - 0.024 - MP82908 , Zn - 0.052 - M5819, AS High	Jaswal	Dilution
127	P4332-01DL	MYDBD4	SAM	10/30/24 01:51	2X For INT_STD209Bi(1)	Jaswal	Confirms
128	P4332-02DL	MYDBD5	SAM	10/30/24 01:54	2X For INT_STD209Bi(1)	Jaswal	Confirms
129	P4332-03DL	MYDBD6	SAM	10/30/24 01:57	2X for Cu , 2X For INT_STD 209Bi(1), Still Fail so Report From Original	Jaswal	Confirms
130	P4332-04DL	MYDBD7	SAM	10/30/24 02:00	2X For INT_STD209Bi(1)	Jaswal	Confirms

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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

131	P4332-05DL	MYDBD8	SAM	10/30/24 02:03	2X for Cu ,Zn , 2X For INT_STD 209Bi(1), Still Fail so Report From Original	Jaswal	Confirms
132	P4332-06DL	MYDBD9	SAM	10/30/24 02:06	Not Required	Jaswal	Not Ok
133	P4332-07DL	MYDBE0	SAM	10/30/24 02:09	Not Required	Jaswal	Not Ok
134	P4332-13ADL	MYDBE6ARE	PS	10/30/24 02:12	PS for As - 0.008-M5801	Jaswal	Confirms
135	CCV034	CCV034	CCV	10/30/24 02:15		Jaswal	OK
136	CCB034	CCB034	CCB	10/30/24 02:18		Jaswal	OK

ORIGIN ID:MSCA (480) 477-4900
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WESTON SOLUTIONS
105 SOUTH ALARCO STREET
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PRESCOTT, AZ 86284
UNITED STATES US

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BILL SENDER

TO **SOHIL JODHANI**
ALLIANCE TECHNICAL GROUP LLC
284 SHEFFIELD ST
MOUNTAINSIDE NJ 07092
(908) 789-8900
INV:
PO:
REF: W3150.1.043.09MXA.K0P551.0700
DEPT:

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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 :	P4333	Order Date :	10/7/2024 10:59:00 AM	Project Mgr :	Deepak
Client :	USEPA CLP SMO	Project :	51772	Report Type :	USEPA CLP
Contact :	Anita Kapadia	Receive Date :	10/7/2024 10:59:00 AM	EDD Type :	EPA CLP
Date Sign Off :	10/9/2024 2:05:03 PM				

Sample ID	Client ID	Matrix	Sampling Date	Test	Test Group	Method	TAT Days	Fax Due Date	HC Due Date
P4333-01	MYDBF4	Solid	06/21/2024						
				Metals CLP Full		SFAM_AES	15	10/28/2024	10/28/2024
				Metals CLP MS FULL		SFAM_MS	15	10/28/2024	10/28/2024
				Percent Solids		Chemtech -SOP	15	10/28/2024	10/28/2024
P4333-02	MYDBF5	Solid	06/21/2024						
				Metals CLP Full		SFAM_AES	15	10/28/2024	10/28/2024
				Metals CLP MS FULL		SFAM_MS	15	10/28/2024	10/28/2024
				Percent Solids		Chemtech -SOP	15	10/28/2024	10/28/2024
P4333-03	MYDBF5D	Solid	06/21/2024						
				Metals CLP Full		SFAM_AES	15	10/28/2024	10/28/2024
				Metals CLP MS FULL		SFAM_MS	15	10/28/2024	10/28/2024
				Percent Solids		Chemtech -SOP	15	10/28/2024	10/28/2024
P4333-04	MYDBF5S	Solid	06/21/2024						
				Metals CLP Full		SFAM_AES	15	10/28/2024	10/28/2024
				Metals CLP MS FULL		SFAM_MS	15	10/28/2024	10/28/2024
				Percent Solids		Chemtech -SOP	15	10/28/2024	10/28/2024

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB164280 **WorkList ID :** 184613 **Department :** Digestion **Date :** 10-19-2024 17:58:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4333-01	MYDBF4	Solid	Metals CLP Full	Cool 4 deg C	USEP01	A11	06/21/2024	SFAM_AES
P4333-02	MYDBF5	Solid	Metals CLP Full	Cool 4 deg C	USEP01	A11	06/21/2024	SFAM_AES
P4333-03	MYDBF5D	Solid	Metals CLP Full	Cool 4 deg C	USEP01	A11	06/21/2024	SFAM_AES
P4333-04	MYDBF5S	Solid	Metals CLP Full	Cool 4 deg C	USEP01	A11	06/21/2024	SFAM_AES

1388

Date/Time 10/21/22 8:30

Raw Sample Received by: JGP (Met Dig)

Raw Sample Relinquished by: SH

Date/Time 10/21/22 10:30

Raw Sample Received by:

Raw Sample Relinquished by: JGP (Met Dig)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB164281 **WorkList ID :** 184614 **Department :** Digestion **Date :** 10-19-2024 17:58:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4333-01	MYDBF4	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	A11	06/21/2024	SFAM_MS
P4333-02	MYDBF5	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	A11	06/21/2024	SFAM_MS
P4333-03	MYDBF5D	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	A11	06/21/2024	SFAM_MS
P4333-04	MYDBF5S	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	A11	06/21/2024	SFAM_MS

1382

Date/Time 10/21/22 8:30

Raw Sample Received by: JGP (Mut dig)

Raw Sample Relinquished by: SM

Date/Time 10/21/22 10:30

Raw Sample Received by: SM

Raw Sample Relinquished by: JGP (Mut dig)