SDG COVER PAGE

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

Lab Code: ACE Case No.: 51822 MA No.: 3105.0 SDG No.: MH2GW9

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method ICP-AES	ICP-MS	Mercury	Cyanide
MH2GW9	Q1177-01		X		
MH2GW9D	Q1177-02		X		
MH2GW9S	Q1177-03		X		
MH2GX2	Q1177-04		X		
MH2GX3	Q1177-05		X		
MH2GX4	Q1177-06		X		
MH2GX5	Q1177-07		X		
MH2GX6	Q1177-08		X		
MH2GX7	Q1177-09		X		
MH2GX8	Q1177-10		X		
MH2GX9	Q1177-11		X		
MH2GY0	Q1177-12		X		
MH2GY1	Q1177-13		X		
MH2GY2	Q1177-14		X		
MH2GY3	Q1177-15		X		
MH2GY4	Q1177-16		X		
MH2GY5	Q1177-17		X		
MH2GY6	Q1177-18		X		
MH2GY7	Q1177-19		X		
MH2GY8	Q1177-20		X		
MH2GY9	Q1177-21		X		
MH2GZ0	Q1177-22		X		

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the SDG Narrative. All edits and manual integrations have been peer-reviewed. Release of the data contained in this hardcopy Complete SDG File and in the electronic data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

68HERH20D0011

SDG # MH2GW9

USEPA CLP Inorganics COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 8-012325-144017-0603

DateShipped: 1/23/2025

CarrierName: FedEx

AirbillNo: 8184 7188 9747

Case #: 51822

Cooler #: 4

Lab: Alliance Technical Group LLC

Lab Contact: Sohil Jodhani

Lab Phone: 908-789-8900

2

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
S-LABQC-2024-705	MH2GW9	Soil/ LP, SH	Subsample	ICP/MS(14)	24476 (None) (3)	XX	12/18/2024 12:12	1
S-LABQC-2024-706	MH2GX0	Soil/ LP, SH	Subsample	ICP/MS(14)	24477 (None) (3)	XX	12/18/2024 11:15	
S-LABQC-2024-707	MH2GX1	Soil/ LP, SH	Subsample	ICP/MS(14)	24478 (None) (3)	XX	01/16/2025 11:08	
S2427-ED-0001-01	MH2GX2	Soil/ LP, SH	Composite	ICP/MS(14)	24479 (None) (1)	ED-2427	12/18/2024 12:30	2
S2427-ED-0106-01	MH2GX3	Soil/ LP, SH	Composite	ICP/MS(14)	24480 (None) (1)	ED-2427	12/18/2024 12:32	3
S2427-ED-0612-01	MH2GX4	Soil/ LP, SH	Composite	ICP/MS(14)	24481 (None) (1)	ED-2427	12/18/2024 12:34	4
S2427-ED-1218-01	MH2GX5	Soil/ LP, SH	Composite	ICP/MS(14)	24482 (None) (1)	ED-2427	12/18/2024 12:36	5
S2427-ED-0001-02	MH2GX6	Soil/ LP, SH	Composite	ICP/MS(14)	24483 (None) (1)	ED-2427	12/18/2024 12:38	6
S2427-ED-0106-02	MH2GX7	Soil/ LP, SH	Composite	ICP/MS(14)	24484 (None) (1)	ED-2427	12/18/2024 12:40	7
S2427-ED-0612-02	MH2GX8	Soil/ LP, SH	Composite	ICP/MS(14)	24485 (None) (1)	ED-2427	12/18/2024 12:42	8

Sample(s) to be used for Lab QC: S-LABQC-2024-705 Tag 24476, S-LABQC-2024-706 Tag 24477, S-LABQC-2024-707 Tag 24478 - Special Instructions: Analyze per MA3105

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ICP/MS=CLP TAL Total Metals ICP/MS

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Samples	[signature] QWT	1/23/25 1500	[signature]	1-24-25 0735	1.2°C IR GUN #1
					custody seals intact
					Temp blk. present

68HERH20D0011

SDG # MH2GW9

USEPA CLP Inorganics COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 8-012325-144017-0603

DateShipped: 1/23/2025

CarrierName: FedEx

AirbillNo: 8184 7188 9747

Case #: 51822

Cooler #: 4

Lab: Alliance Technical Group LLC

Lab Contact: Sohil Jodhani

Lab Phone: 908-789-8900

3

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
S2427-ED-1218-02	MH2GX9	Soil/ LP, SH	Composite	ICP/MS(14)	24486 (None) (1)	ED-2427	12/18/2024 12:44	9
S2427-ED-0001-03	MH2GY0	Soil/ LP, SH	Composite	ICP/MS(14)	24487 (None) (1)	ED-2427	12/18/2024 12:46	10
S2427-ED-0106-03	MH2GY1	Soil/ LP, SH	Composite	ICP/MS(14)	24488 (None) (1)	ED-2427	12/18/2024 12:48	11
S2427-ED-0612-03	MH2GY2	Soil/ LP, SH	Composite	ICP/MS(14)	24489 (None) (1)	ED-2427	12/18/2024 12:50	12
S2427-ED-1218-03	MH2GY3	Soil/ LP, SH	Composite	ICP/MS(14)	24490 (None) (1)	ED-2427	12/18/2024 12:52	13
S2427-APE-0001-01	MH2GY4	Soil/ LP, SH	Composite	ICP/MS(14)	24491 (None) (1)	APE-2427	12/18/2024 12:10	14
S2427-APE-0106-01	MH2GY5	Soil/ LP, SH	Composite	ICP/MS(14)	24492 (None) (1)	APE-2427	12/18/2024 12:12	15
S2427-APE-0612-01	MH2GY6	Soil/ LP, SH	Composite	ICP/MS(14)	24493 (None) (1)	APE-2427	12/18/2024 12:14	16
S2427-APE-1218-01	MH2GY7	Soil/ LP, SH	Composite	ICP/MS(14)	24494 (None) (1)	APE-2427	12/18/2024 12:16	17
S2427-VL-0001-31	MH2GY8	Soil/ LP, SH	Composite	ICP/MS(14)	24495 (None) (1)	VL-2427	12/18/2024 11:10	18

Special Instructions: Analyze per MA3105

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ICP/MS=CLP TAL Total Metals ICP/MS

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Samples	Jake Patton PWT	1/23/25 1500		1-24-25 0735	1.2°C IR Gun #1
					custody seals intact
					Temp blk. present

68HERH20D0011

SDG # MH2GW9

USEPA CLP Inorganics COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 8-012325-144017-0603

DateShipped: 1/23/2025

CarrierName: FedEx

AirbillNo: 8184 7188 9747

Case #: 51822

Cooler #: 4

Lab: Alliance Technical Group LLC

Lab Contact: Sohil Jodhani

Lab Phone: 908-789-8900

4

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
S2427-VL-0106-31	MH2GY9	Soil/ LP, SH	Composite	ICP/MS(14)	24496 (None) (1)	VL-2427	12/18/2024 11:15	19
S2427-VL-0612-31	MH2GZ0	Soil/ LP, SH	Composite	ICP/MS(14)	24497 (None) (1)	VL-2427	12/18/2024 11:20	20
S2427-VL-1218-31	MH2GZ1	Soil/ LP, SH	Composite	ICP/MS(14)	24498 (None) (1)	VL-2427	12/18/2024 11:25	
S2429-APE-0001-01	MH2GZ2	Soil/ LP, SH	Composite	ICP/MS(14)	24499 (None) (1)	APE-2429	01/16/2025 10:50	
S2429-APE-0106-01	MH2GZ3	Soil/ LP, SH	Composite	ICP/MS(14)	24500 (None) (1)	APE-2429	01/16/2025 10:52	
S2429-APE-0612-01	MH2GZ4	Soil/ LP, SH	Composite	ICP/MS(14)	24501 (None) (1)	APE-2429	01/16/2025 10:54	
S2429-APE-1218-01	MH2GZ5	Soil/ LP, SH	Composite	ICP/MS(14)	24502 (None) (1)	APE-2429	01/16/2025 10:56	
S2429-FY-0001-01	MH2H00	Soil/ LP, SH	Composite	ICP/MS(14)	24507 (None) (1)	FY-2429	01/16/2025 11:06	
S2429-FY-0106-01	MH2H01	Soil/ LP, SH	Composite	ICP/MS(14)	24508 (None) (1)	FY-2429	01/16/2025 11:08	
S2429-FY-0612-01	MH2H02	Soil/ LP, SH	Composite	ICP/MS(14)	24509 (None) (1)	FY-2429	01/16/2025 11:10	

Special Instructions: Analyze per MA3105

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ICP/MS=CLP TAL Total Metals ICP/MS

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Samples	Jake Peters FWT	1/23/25 1505		1-24-25 0735	1.2°C IR Gun #1
					Custody seals intact
					Temp Blk. present

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 1 of 1
Received By (Print Name) Cassandra Pena		Log-in Date 1/24/2025
Received By (Signature)		
Case Number 51822	SDG No. MH2GW9	MA No. 3105.0

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.	818471889747 1
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	1.2 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	01/24/2025
12.Time Received	07:35

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MH2GW9	N/A	24476	Q1177-01	Intact
2	MH2GW9D	N/A	24476	Q1177-02	Intact
3	MH2GW9S	N/A	24476	Q1177-03	Intact
4	MH2GX2	N/A	24479	Q1177-04	Intact
5	MH2GX3	N/A	24480	Q1177-05	Intact
6	MH2GX4	N/A	24481	Q1177-06	Intact
7	MH2GX5	N/A	24482	Q1177-07	Intact
8	MH2GX6	N/A	24483	Q1177-08	Intact
9	MH2GX7	N/A	24484	Q1177-09	Intact
10	MH2GX8	N/A	24485	Q1177-10	Intact
11	MH2GX9	N/A	24486	Q1177-11	Intact
12	MH2GY0	N/A	24487	Q1177-12	Intact
13	MH2GY1	N/A	24488	Q1177-13	Intact
14	MH2GY2	N/A	24489	Q1177-14	Intact
15	MH2GY3	N/A	24490	Q1177-15	Intact
16	MH2GY4	N/A	24491	Q1177-16	Intact
17	MH2GY5	N/A	24492	Q1177-17	Intact
18	MH2GY6	N/A	24493	Q1177-18	Intact
19	MH2GY7	N/A	24494	Q1177-19	Intact
20	MH2GY8	N/A	24495	Q1177-20	Intact
21	MH2GY9	N/A	24496	Q1177-21	Intact
22	MH2GZ0	N/A	24497	Q1177-22	Intact
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By		Logbook No.	N/A
Date	1/24/25	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.	**51822**	SDG NO.	**MH2GW9**
MA NO.	**3105.0**	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	4	✓	
3 . Sample Log-In Sheet (DC-1)	5	5	✓	
4 . CSF Inventory Sheet (DC-2)	6	8	✓	
5 . SDG Narrative	9	12	✓	
6 . Communication Logs	NA	NA	✓	
7 . Percent Solids Log	NA	NA	✓	
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	NA	NA	✓	
9 . Instrument raw data by instrument in analysis order	NA	NA	✓	
Other Data				
10 . Standard and Reagent Preparation Logs	NA	NA	✓	
11 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	NA	NA	✓	
12 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	NA	NA	✓	
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	13	32	✓	
18 . Instrument raw data by instrument in analysis order	33	986	✓	
Other Data				
19 . Standard and Reagent Preparation Logs	987	1133	✓	
20 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	1134	1135	✓	
21 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	1136	1148	✓	
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)	1149	1149	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	1150	1151	✓	
45. Misc. Shipping/Receiving Records (list all individual records)				
	NA	NA	✓	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	1152	1153	✓	
47. Other Records and related Communication Logs (describe or list)				
	NA	NA	✓	

48. Comments:

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

284 Sheffield Street
Mountainside, NJ 07092

SDG NARRATIVE

USEPA
SDG # MH2GW9
CASE # 51822
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID # Q1177
MODIFIED ANALYSIS #3105.0

A. Number of Samples and Date of Receipt

20 Soil samples were delivered to the laboratory intact on 01/24/2025.

B. Parameters

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

C. Cooler Temp

Indicator Bottle**: Presence/**Absence

Cooler: 1.2^{o}C

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

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

E. Corrective Action taken for above:

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

F. Analytical Techniques:

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

G. Calculation:

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 MH2GW9 For Arsenic :

If C = 46.24 ppb
Vf = 500 ml
W = 2.09 g
S = 1.0(100/100)
DF = 1

$$\text{Concentration (mg/kg)} = 46.24 \times \frac{500}{2.09 \times 1.0} \times 1 / 1000$$

$$= 11.0622 \text{ mg/kg}$$

$$= 11 \text{ mg/kg (Reported Result with Signification)}$$

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. MS Spike sample did meet requirements except for Selenium. 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.

284 Sheffield Street
Mountainside, NJ 07092

Internal Standard Association for ICP-MS analysis.

Target Analyte	Associated Internal Standard
Antimony	159Tb
Arsenic	89Y
Barium	159Tb
Beryllium	6Li
Cadmium	159Tb
Chromium	45Sc
Cobalt	45Sc
Copper	45Sc
Lead	209Bi
Manganese	45Sc
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: 06/25/2021	**MA:** 3105.0	**Title:** ICP-MS Analysis with Increased Sample Mass
Method Source: SFAM01.1	**Method:** ICP-MS	
Matrix: Soil/Sediment		

Summary of Modification

The purpose of this modified analysis is to analyze dried, composited, and sieved soil/sediment samples by ICP-MS (processed by Incremental Sampling Methodology). 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** ☒

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

The Laboratory shall:

- Calculate and report results for the samples on the basis of 100% solids. The Laboratory is not required to determine the Percent (%) Solids for the samples.
- Receive the composited samples dried and sieved prior to shipment to the Laboratory. The samples will be received in plastic baggies as individual aliquots with approximately 2 grams each. The aliquots shall not be re-combined and/or subsampled at the Laboratory.
- Not increase the amount of acid reagents added to the sample to account for the increase in mass.
- Store the samples at ambient temperature from the time of receipt until preparation. Do not refrigerate.
- Remove and weigh the entire content within each baggie followed by digesting the entire sample per the SOW.
- Prepare and analyze Matrix Spikes and Duplicates if additional aliquots were provided for these analyses.

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

- Report 100.0 on Form 1 for % Solids.
- Ensure that the SDG Narrative is updated as stated in the SOW, including any technical and administrative problems encountered and the corrective action taken. These problems may include interference problems encountered during analysis, dilutions, re-analyses or re-preparations performed, and problems with the analysis of samples. Also include a discussion of any SOW Modified Analysis including a copy of the approved modification with the SDG Narrative.

EPA SAMPLE NO.

MH2GW9

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : 3105.0 SDG No.: MH2GW9

Matrix: SOIL Lab Sample ID: Q1177-01

% Solids: 100 Date Received: 01/24/2025

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.63		01/31/2025	1646
7440-38-2	Arsenic	11		01/31/2025	1646
7440-39-3	Barium	130		01/31/2025	1646
7440-41-7	Beryllium	0.82		01/31/2025	1646
7440-43-9	Cadmium	4.6		01/31/2025	1646
7440-47-3	Chromium	14		01/31/2025	1646
7440-48-4	Cobalt	4.3		01/31/2025	1646
7440-50-8	Copper	90		01/31/2025	1646
7439-92-1	Lead	370		01/31/2025	1646
7439-96-5	Manganese	1500		01/31/2025	1646
7440-02-0	Nickel	17		01/31/2025	1646
7782-49-2	Selenium	0.38	J*	01/31/2025	1646
7440-22-4	Silver	1.8		01/31/2025	1646
7440-28-0	Thallium	0.14	J	01/31/2025	1646
7440-62-2	Vanadium	15		01/31/2025	1646
7440-66-6	Zinc	980		01/31/2025	1646

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

Comments:

EPA SAMPLE NO.

MH2GX2

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : 3105.0 SDG No.: MH2GW9

Matrix: SOIL Lab Sample ID: Q1177-04

% Solids: 100 Date Received: 01/24/2025

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	0.36	J	02/03/2025	1731
7440-38-2	Arsenic	3.2		02/03/2025	1731
7440-39-3	Barium	190		02/03/2025	1731
7440-41-7	Beryllium	1.9		02/03/2025	1731
7440-43-9	Cadmium	2.2		02/03/2025	1731
7440-47-3	Chromium	42		02/03/2025	1731
7440-48-4	Cobalt	2.7		02/03/2025	1731
7440-50-8	Copper	49		02/03/2025	1731
7439-92-1	Lead	180		02/03/2025	1731
7439-96-5	Manganese	1900		02/03/2025	1731
7440-02-0	Nickel	11		02/03/2025	1731
7782-49-2	Selenium	0.37	J*	02/03/2025	1731
7440-22-4	Silver	0.60		02/03/2025	1731
7440-28-0	Thallium	0.048	J	02/03/2025	1731
7440-62-2	Vanadium	16		02/03/2025	1731
7440-66-6	Zinc	550		02/03/2025	1731

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

Comments:

EPA SAMPLE NO.

MH2GX3

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : 3105.0 SDG No.: MH2GW9

Matrix: SOIL Lab Sample ID: Q1177-05

% Solids: 100 Date Received: 01/24/2025

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	0.44	J	02/03/2025	1734
7440-38-2	Arsenic	5.9		02/03/2025	1734
7440-39-3	Barium	220		02/03/2025	1734
7440-41-7	Beryllium	2.2		02/03/2025	1734
7440-43-9	Cadmium	3.4		02/03/2025	1734
7440-47-3	Chromium	26		02/03/2025	1734
7440-48-4	Cobalt	4.0		02/03/2025	1734
7440-50-8	Copper	81		02/03/2025	1734
7439-92-1	Lead	320		02/03/2025	1734
7439-96-5	Manganese	2300	D	02/03/2025	1853
7440-02-0	Nickel	15		02/03/2025	1734
7782-49-2	Selenium	0.42	J*	02/03/2025	1734
7440-22-4	Silver	1.4		02/03/2025	1734
7440-28-0	Thallium	0.11	J	02/03/2025	1734
7440-62-2	Vanadium	16		02/03/2025	1734
7440-66-6	Zinc	940		02/03/2025	1734

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

Comments:

EPA SAMPLE NO.

MH2GX4

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : 3105.0 SDG No.: MH2GW9

Matrix: SOIL Lab Sample ID: Q1177-06

% Solids: 100 Date Received: 01/24/2025

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	0.55		02/03/2025	1738
7440-38-2	Arsenic	7.4		02/03/2025	1738
7440-39-3	Barium	180		02/03/2025	1738
7440-41-7	Beryllium	1.1		02/03/2025	1738
7440-43-9	Cadmium	3.0		02/03/2025	1738
7440-47-3	Chromium	13		02/03/2025	1738
7440-48-4	Cobalt	4.6		02/03/2025	1738
7440-50-8	Copper	72		02/03/2025	1738
7439-92-1	Lead	280		02/03/2025	1738
7439-96-5	Manganese	1500		02/03/2025	1738
7440-02-0	Nickel	18		02/03/2025	1738
7782-49-2	Selenium	0.30	J*	02/03/2025	1738
7440-22-4	Silver	1.3		02/03/2025	1738
7440-28-0	Thallium	0.12	J	02/03/2025	1738
7440-62-2	Vanadium	14		02/03/2025	1738
7440-66-6	Zinc	860		02/03/2025	1738

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

Comments:

EPA SAMPLE NO.

MH2GX5

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : 3105.0 SDG No.: MH2GW9

Matrix: SOIL Lab Sample ID: Q1177-07

% Solids: 100 Date Received: 01/24/2025

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	0.45	J	02/03/2025	1741
7440-38-2	Arsenic	6.9		02/03/2025	1741
7440-39-3	Barium	160		02/03/2025	1741
7440-41-7	Beryllium	1.2		02/03/2025	1741
7440-43-9	Cadmium	3.0		02/03/2025	1741
7440-47-3	Chromium	12		02/03/2025	1741
7440-48-4	Cobalt	3.8		02/03/2025	1741
7440-50-8	Copper	64		02/03/2025	1741
7439-92-1	Lead	280		02/03/2025	1741
7439-96-5	Manganese	1600		02/03/2025	1741
7440-02-0	Nickel	16		02/03/2025	1741
7782-49-2	Selenium	0.33	J*	02/03/2025	1741
7440-22-4	Silver	1.1		02/03/2025	1741
7440-28-0	Thallium	0.12	J	02/03/2025	1741
7440-62-2	Vanadium	15		02/03/2025	1741
7440-66-6	Zinc	560		02/03/2025	1741

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

Comments:

EPA SAMPLE NO.

MH2GX6

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : 3105.0 SDG No.: MH2GW9

Matrix: SOIL Lab Sample ID: Q1177-08

% Solids: 100 Date Received: 01/24/2025

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	0.37	J	02/03/2025	1744
7440-38-2	Arsenic	3.2		02/03/2025	1744
7440-39-3	Barium	230		02/03/2025	1744
7440-41-7	Beryllium	2.2		02/03/2025	1744
7440-43-9	Cadmium	2.2		02/03/2025	1744
7440-47-3	Chromium	51		02/03/2025	1744
7440-48-4	Cobalt	3.1		02/03/2025	1744
7440-50-8	Copper	57		02/03/2025	1744
7439-92-1	Lead	200		02/03/2025	1744
7439-96-5	Manganese	2100		02/03/2025	1744
7440-02-0	Nickel	12		02/03/2025	1744
7782-49-2	Selenium	0.51	J*	02/03/2025	1744
7440-22-4	Silver	0.58		02/03/2025	1744
7440-28-0	Thallium	0.046	J	02/03/2025	1744
7440-62-2	Vanadium	19		02/03/2025	1744
7440-66-6	Zinc	600		02/03/2025	1744

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

Comments:

EPA SAMPLE NO.

MH2GX7

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : 3105.0 SDG No.: MH2GW9

Matrix: SOIL Lab Sample ID: Q1177-09

% Solids: 100 Date Received: 01/24/2025

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	0.64		02/03/2025	1748
7440-38-2	Arsenic	7.7		02/03/2025	1748
7440-39-3	Barium	170		02/03/2025	1748
7440-41-7	Beryllium	0.96		02/03/2025	1748
7440-43-9	Cadmium	4.2		02/03/2025	1748
7440-47-3	Chromium	11		02/03/2025	1748
7440-48-4	Cobalt	4.8		02/03/2025	1748
7440-50-8	Copper	69		02/03/2025	1748
7439-92-1	Lead	370		02/03/2025	1748
7439-96-5	Manganese	1500		02/03/2025	1748
7440-02-0	Nickel	20		02/03/2025	1748
7782-49-2	Selenium	0.34	J*	02/03/2025	1748
7440-22-4	Silver	1.3		02/03/2025	1748
7440-28-0	Thallium	0.13	J	02/03/2025	1748
7440-62-2	Vanadium	17		02/03/2025	1748
7440-66-6	Zinc	950		02/03/2025	1748

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

Comments:

EPA SAMPLE NO.

MH2GX8

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : 3105.0 SDG No.: MH2GW9

Matrix: SOIL Lab Sample ID: Q1177-10

% Solids: 100 Date Received: 01/24/2025

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	0.69		02/03/2025	1751
7440-38-2	Arsenic	8.7		02/03/2025	1751
7440-39-3	Barium	160		02/03/2025	1751
7440-41-7	Beryllium	0.64		02/03/2025	1751
7440-43-9	Cadmium	5.0		02/03/2025	1751
7440-47-3	Chromium	3.8		02/03/2025	1751
7440-48-4	Cobalt	5.3		02/03/2025	1751
7440-50-8	Copper	97		02/03/2025	1751
7439-92-1	Lead	390		02/03/2025	1751
7439-96-5	Manganese	1600		02/03/2025	1751
7440-02-0	Nickel	18		02/03/2025	1751
7782-49-2	Selenium	0.33	J*	02/03/2025	1751
7440-22-4	Silver	2.0		02/03/2025	1751
7440-28-0	Thallium	0.19	J	02/03/2025	1751
7440-62-2	Vanadium	13		02/03/2025	1751
7440-66-6	Zinc	990		02/03/2025	1751

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

Comments:

EPA SAMPLE NO.

MH2GX9

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : 3105.0 SDG No.: MH2GW9

Matrix: SOIL Lab Sample ID: Q1177-11

% Solids: 100 Date Received: 01/24/2025

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	0.28	J	02/03/2025	1754
7440-38-2	Arsenic	4.0		02/03/2025	1754
7440-39-3	Barium	160		02/03/2025	1754
7440-41-7	Beryllium	0.46		02/03/2025	1754
7440-43-9	Cadmium	1.5		02/03/2025	1754
7440-47-3	Chromium	4.4		02/03/2025	1754
7440-48-4	Cobalt	3.6		02/03/2025	1754
7440-50-8	Copper	62		02/03/2025	1754
7439-92-1	Lead	95		02/03/2025	1754
7439-96-5	Manganese	470		02/03/2025	1754
7440-02-0	Nickel	22		02/03/2025	1754
7782-49-2	Selenium	0.22	J*	02/03/2025	1754
7440-22-4	Silver	0.46		02/03/2025	1754
7440-28-0	Thallium	0.078	J	02/03/2025	1754
7440-62-2	Vanadium	16		02/03/2025	1754
7440-66-6	Zinc	230		02/03/2025	1754

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

Comments:

EPA SAMPLE NO.

MH2GY0

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : 3105.0 SDG No.: MH2GW9

Matrix: SOIL Lab Sample ID: Q1177-12

% Solids: 100 Date Received: 01/24/2025

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	0.35	J	02/03/2025	1758
7440-38-2	Arsenic	3.1		02/03/2025	1758
7440-39-3	Barium	200		02/03/2025	1758
7440-41-7	Beryllium	2.1		02/03/2025	1758
7440-43-9	Cadmium	1.9		02/03/2025	1758
7440-47-3	Chromium	43		02/03/2025	1758
7440-48-4	Cobalt	2.8		02/03/2025	1758
7440-50-8	Copper	53		02/03/2025	1758
7439-92-1	Lead	180		02/03/2025	1758
7439-96-5	Manganese	2100		02/03/2025	1758
7440-02-0	Nickel	12		02/03/2025	1758
7782-49-2	Selenium	0.56	J*	02/03/2025	1758
7440-22-4	Silver	0.55		02/03/2025	1758
7440-28-0	Thallium	0.044	J	02/03/2025	1758
7440-62-2	Vanadium	17		02/03/2025	1758
7440-66-6	Zinc	530		02/03/2025	1758

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

Comments:

EPA SAMPLE NO.

MH2GY1

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : 3105.0 SDG No.: MH2GW9

Matrix: SOIL Lab Sample ID: Q1177-13

% Solids: 100 Date Received: 01/24/2025

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	0.52		02/03/2025	1801
7440-38-2	Arsenic	6.1		02/03/2025	1801
7440-39-3	Barium	180		02/03/2025	1801
7440-41-7	Beryllium	1.6		02/03/2025	1801
7440-43-9	Cadmium	3.4		02/03/2025	1801
7440-47-3	Chromium	19		02/03/2025	1801
7440-48-4	Cobalt	3.9		02/03/2025	1801
7440-50-8	Copper	75		02/03/2025	1801
7439-92-1	Lead	310		02/03/2025	1801
7439-96-5	Manganese	1900		02/03/2025	1801
7440-02-0	Nickel	22		02/03/2025	1801
7782-49-2	Selenium	0.34	J*	02/03/2025	1801
7440-22-4	Silver	1.2		02/03/2025	1801
7440-28-0	Thallium	0.14	J	02/03/2025	1801
7440-62-2	Vanadium	14		02/03/2025	1801
7440-66-6	Zinc	760		02/03/2025	1801

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

Comments:

EPA SAMPLE NO.

MH2GY2

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : 3105.0 SDG No.: MH2GW9

Matrix: SOIL Lab Sample ID: Q1177-14

% Solids: 100 Date Received: 01/24/2025

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	0.61		02/03/2025	1804
7440-38-2	Arsenic	7.7		02/03/2025	1804
7440-39-3	Barium	160		02/03/2025	1804
7440-41-7	Beryllium	0.75		02/03/2025	1804
7440-43-9	Cadmium	4.6		02/03/2025	1804
7440-47-3	Chromium	5.0		02/03/2025	1804
7440-48-4	Cobalt	5.1		02/03/2025	1804
7440-50-8	Copper	110		02/03/2025	1804
7439-92-1	Lead	370		02/03/2025	1804
7439-96-5	Manganese	1600		02/03/2025	1804
7440-02-0	Nickel	17		02/03/2025	1804
7782-49-2	Selenium	0.37	J*	02/03/2025	1804
7440-22-4	Silver	2.0		02/03/2025	1804
7440-28-0	Thallium	0.17	J	02/03/2025	1804
7440-62-2	Vanadium	13		02/03/2025	1804
7440-66-6	Zinc	1100		02/03/2025	1804

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

Comments:

EPA SAMPLE NO.

MH2GY3

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : 3105.0 SDG No.: MH2GW9

Matrix: SOIL Lab Sample ID: Q1177-15

% Solids: 100 Date Received: 01/24/2025

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	0.45	J	02/03/2025	1808
7440-38-2	Arsenic	6.2		02/03/2025	1808
7440-39-3	Barium	170		02/03/2025	1808
7440-41-7	Beryllium	0.64		02/03/2025	1808
7440-43-9	Cadmium	3.2		02/03/2025	1808
7440-47-3	Chromium	5.7		02/03/2025	1808
7440-48-4	Cobalt	4.8		02/03/2025	1808
7440-50-8	Copper	71		02/03/2025	1808
7439-92-1	Lead	260		02/03/2025	1808
7439-96-5	Manganese	1100		02/03/2025	1808
7440-02-0	Nickel	35		02/03/2025	1808
7782-49-2	Selenium	0.37	J*	02/03/2025	1808
7440-22-4	Silver	1.3		02/03/2025	1808
7440-28-0	Thallium	0.14	J	02/03/2025	1808
7440-62-2	Vanadium	15		02/03/2025	1808
7440-66-6	Zinc	690		02/03/2025	1808

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

Comments:

EPA SAMPLE NO.

MH2GY4

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : 3105.0 SDG No.: MH2GW9

Matrix: SOIL Lab Sample ID: Q1177-16

% Solids: 100 Date Received: 01/24/2025

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	0.72		02/03/2025	1811
7440-38-2	Arsenic	4.6		02/03/2025	1811
7440-39-3	Barium	140		02/03/2025	1811
7440-41-7	Beryllium	0.94		02/03/2025	1811
7440-43-9	Cadmium	2.4		02/03/2025	1811
7440-47-3	Chromium	38		02/03/2025	1811
7440-48-4	Cobalt	4.0		02/03/2025	1811
7440-50-8	Copper	45		02/03/2025	1811
7439-92-1	Lead	240		02/03/2025	1811
7439-96-5	Manganese	1300		02/03/2025	1811
7440-02-0	Nickel	16		02/03/2025	1811
7782-49-2	Selenium	0.29	J*	02/03/2025	1811
7440-22-4	Silver	0.71		02/03/2025	1811
7440-28-0	Thallium	0.054	J	02/03/2025	1811
7440-62-2	Vanadium	18		02/03/2025	1811
7440-66-6	Zinc	910		02/03/2025	1811

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

Comments:

EPA SAMPLE NO.

MH2GY5

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : 3105.0 SDG No.: MH2GW9

Matrix: SOIL Lab Sample ID: Q1177-17

% Solids: 100 Date Received: 01/24/2025

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	0.62		02/03/2025	1814
7440-38-2	Arsenic	11		02/03/2025	1814
7440-39-3	Barium	160		02/03/2025	1814
7440-41-7	Beryllium	0.97		02/03/2025	1814
7440-43-9	Cadmium	5.3		02/03/2025	1814
7440-47-3	Chromium	17		02/03/2025	1814
7440-48-4	Cobalt	5.3		02/03/2025	1814
7440-50-8	Copper	110		02/03/2025	1814
7439-92-1	Lead	410		02/03/2025	1814
7439-96-5	Manganese	1700		02/03/2025	1814
7440-02-0	Nickel	20		02/03/2025	1814
7782-49-2	Selenium	0.32	J*	02/03/2025	1814
7440-22-4	Silver	2.0		02/03/2025	1814
7440-28-0	Thallium	0.13	J	02/03/2025	1814
7440-62-2	Vanadium	18		02/03/2025	1814
7440-66-6	Zinc	1200		02/03/2025	1814

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

Comments:

EPA SAMPLE NO.

MH2GY6

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : 3105.0 SDG No.: MH2GW9

Matrix: SOIL Lab Sample ID: Q1177-18

% Solids: 100 Date Received: 01/24/2025

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	0.49		02/03/2025	1826
7440-38-2	Arsenic	9.7		02/03/2025	1826
7440-39-3	Barium	130		02/03/2025	1826
7440-41-7	Beryllium	0.57		02/03/2025	1826
7440-43-9	Cadmium	3.8		02/03/2025	1826
7440-47-3	Chromium	4.3		02/03/2025	1826
7440-48-4	Cobalt	4.5		02/03/2025	1826
7440-50-8	Copper	90		02/03/2025	1826
7439-92-1	Lead	260		02/03/2025	1826
7439-96-5	Manganese	940		02/03/2025	1826
7440-02-0	Nickel	14		02/03/2025	1826
7782-49-2	Selenium	0.26	J*	02/03/2025	1826
7440-22-4	Silver	1.5		02/03/2025	1826
7440-28-0	Thallium	0.16	J	02/03/2025	1826
7440-62-2	Vanadium	15		02/03/2025	1826
7440-66-6	Zinc	550		02/03/2025	1826

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

Comments:

EPA SAMPLE NO.

MH2GY7

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : 3105.0 SDG No.: MH2GW9

Matrix: SOIL Lab Sample ID: Q1177-19

% Solids: 100 Date Received: 01/24/2025

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	0.26	J	02/03/2025	1829
7440-38-2	Arsenic	4.3		02/03/2025	1829
7440-39-3	Barium	130		02/03/2025	1829
7440-41-7	Beryllium	0.45		02/03/2025	1829
7440-43-9	Cadmium	1.3		02/03/2025	1829
7440-47-3	Chromium	3.3		02/03/2025	1829
7440-48-4	Cobalt	3.3		02/03/2025	1829
7440-50-8	Copper	24		02/03/2025	1829
7439-92-1	Lead	63		02/03/2025	1829
7439-96-5	Manganese	390		02/03/2025	1829
7440-02-0	Nickel	13		02/03/2025	1829
7782-49-2	Selenium	1.2	U*	02/03/2025	1829
7440-22-4	Silver	0.45		02/03/2025	1829
7440-28-0	Thallium	0.064	J	02/03/2025	1829
7440-62-2	Vanadium	13		02/03/2025	1829
7440-66-6	Zinc	160		02/03/2025	1829

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

Comments:

EPA SAMPLE NO.

MH2GY8

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : 3105.0 SDG No.: MH2GW9

Matrix: SOIL Lab Sample ID: Q1177-20

% Solids: 100 Date Received: 01/24/2025

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	0.80		02/03/2025	1833
7440-38-2	Arsenic	8.5		02/03/2025	1833
7440-39-3	Barium	140		02/03/2025	1833
7440-41-7	Beryllium	0.60		02/03/2025	1833
7440-43-9	Cadmium	4.0		02/03/2025	1833
7440-47-3	Chromium	13		02/03/2025	1833
7440-48-4	Cobalt	4.2		02/03/2025	1833
7440-50-8	Copper	63		02/03/2025	1833
7439-92-1	Lead	350		02/03/2025	1833
7439-96-5	Manganese	900		02/03/2025	1833
7440-02-0	Nickel	17		02/03/2025	1833
7782-49-2	Selenium	0.37	J*	02/03/2025	1833
7440-22-4	Silver	0.93		02/03/2025	1833
7440-28-0	Thallium	0.086	J	02/03/2025	1833
7440-62-2	Vanadium	17		02/03/2025	1833
7440-66-6	Zinc	730		02/03/2025	1833

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

Comments:

EPA SAMPLE NO.

MH2GY9

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : 3105.0 SDG No.: MH2GW9

Matrix: SOIL Lab Sample ID: Q1177-21

% Solids: 100 Date Received: 01/24/2025

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	0.79		02/03/2025	1836
7440-38-2	Arsenic	11		02/03/2025	1836
7440-39-3	Barium	120		02/03/2025	1836
7440-41-7	Beryllium	0.51		02/03/2025	1836
7440-43-9	Cadmium	5.2		02/03/2025	1836
7440-47-3	Chromium	4.5		02/03/2025	1836
7440-48-4	Cobalt	4.4		02/03/2025	1836
7440-50-8	Copper	100		02/03/2025	1836
7439-92-1	Lead	370		02/03/2025	1836
7439-96-5	Manganese	1300		02/03/2025	1836
7440-02-0	Nickel	20		02/03/2025	1836
7782-49-2	Selenium	0.22	J*	02/03/2025	1836
7440-22-4	Silver	1.9		02/03/2025	1836
7440-28-0	Thallium	0.17	J	02/03/2025	1836
7440-62-2	Vanadium	12		02/03/2025	1836
7440-66-6	Zinc	860		02/03/2025	1836

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

Comments:

EPA SAMPLE NO.

MH2GZ0

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : 3105.0 SDG No.: MH2GW9

Matrix: SOIL Lab Sample ID: Q1177-22

% Solids: 100 Date Received: 01/24/2025

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	0.46	J	02/03/2025	1839
7440-38-2	Arsenic	6.5		02/03/2025	1839
7440-39-3	Barium	120		02/03/2025	1839
7440-41-7	Beryllium	0.37		02/03/2025	1839
7440-43-9	Cadmium	2.5		02/03/2025	1839
7440-47-3	Chromium	2.2		02/03/2025	1839
7440-48-4	Cobalt	3.2		02/03/2025	1839
7440-50-8	Copper	52		02/03/2025	1839
7439-92-1	Lead	160		02/03/2025	1839
7439-96-5	Manganese	600		02/03/2025	1839
7440-02-0	Nickel	17		02/03/2025	1839
7782-49-2	Selenium	0.35	J*	02/03/2025	1839
7440-22-4	Silver	0.93		02/03/2025	1839
7440-28-0	Thallium	0.095	J	02/03/2025	1839
7440-62-2	Vanadium	11		02/03/2025	1839
7440-66-6	Zinc	360		02/03/2025	1839

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

Comments:

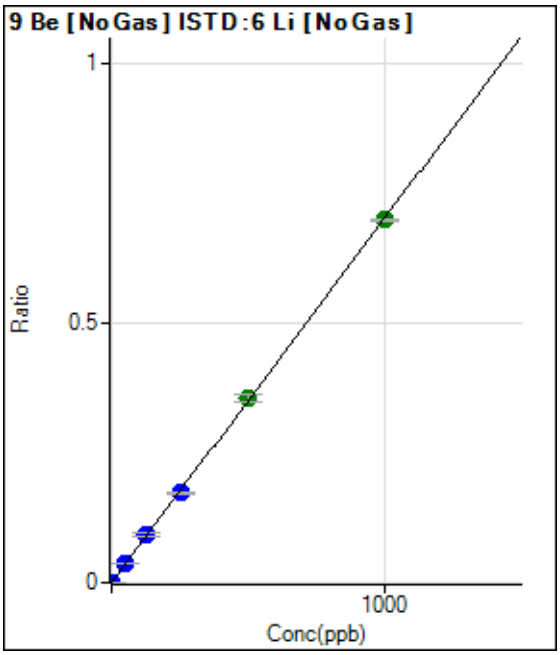
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

Calibration for 006CALB.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P8013125 MS.b\
Analysis File: P8013125 MS.batch.bin
DA Date-Time: 2025-02-06 01:14:45
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2025-01-31 14:42:59
2	005CALS.d	S02	2025-01-31 14:46:22
3	006CALB.d	S03	2025-01-31 14:49:47
4	007CALS.d	S04	2025-01-31 14:53:03
5	008CALS.d	S05	2025-01-31 14:56:10
6	009CALS.d	S06	2025-01-31 14:59:09
7	012CALS.d	S07	2025-01-31 15:17:19
8	013CALS.d	S08	2025-01-31 15:20:05

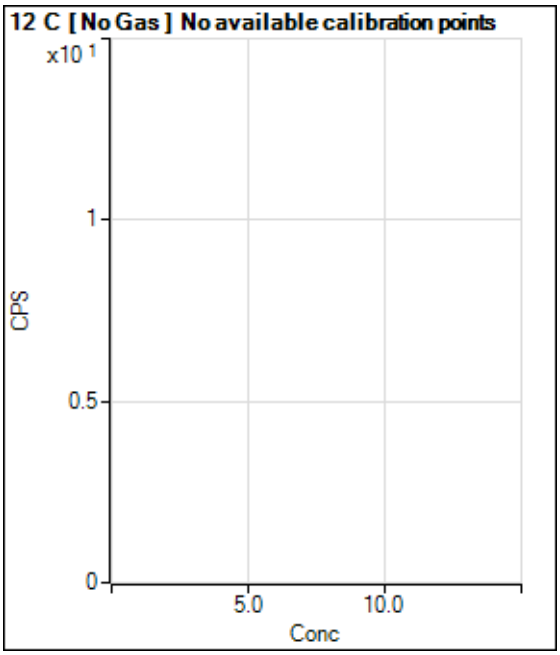
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	197.06	0.0001	P	6.2
2	☐	1.000	1.087	3010.77	0.0008	P	1.7
3	☐	50.000	51.004	134320.12	0.0359	P	0.8
4	☐	125.000	131.667	335464.42	0.0926	P	4.7
5	☐	250.000	246.304	669415.15	0.1731	P	2.2
6	☐	500.000	507.955	1389374.70	0.3570	A	4.2
7	☐	1000.000	996.063	2660487.37	0.6999	A	0.7
8	☐			763.26	0.0002	P	9.1

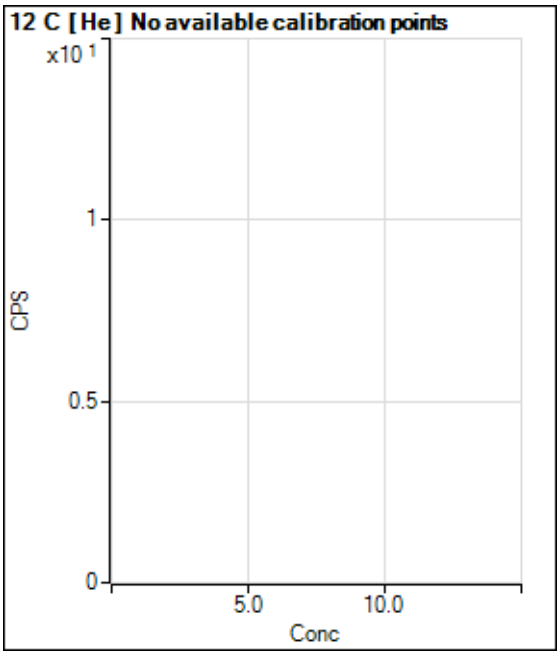
y = 7.0266E-004 * x + 5.2261E-005
R = 0.9999
DL = 0.01388
BEC = 0.07438

Weight: <None>
Min Conc: 0

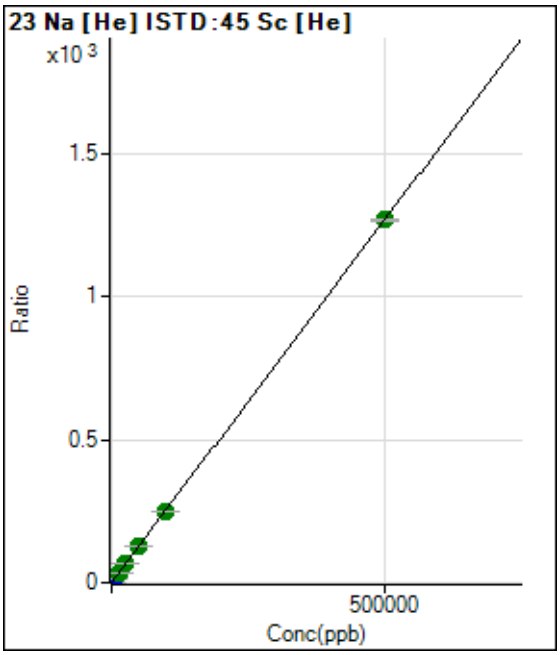


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			1305891.54		A	0.7
2	☐			1394113.17		A	0.9
3	☐			1571464.98		A	2.1
4	☐			1593341.43		A	0.5
5	☐			1646556.89		A	1.9
6	☐			1770825.37		A	2.1
7	☐			2000495.11		A	3.9
8	☐			1689745.41		A	1.7

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			8551.44		P	2.3
2	☐			9085.10		P	1.3
3	☐			10497.16		P	2.1
4	☐			10721.78		P	1.5
5	☐			11096.49		P	1.2
6	☐			12775.62		P	4.2
7	☐			15179.04		P	1.4
8	☐			13498.49		P	1.5

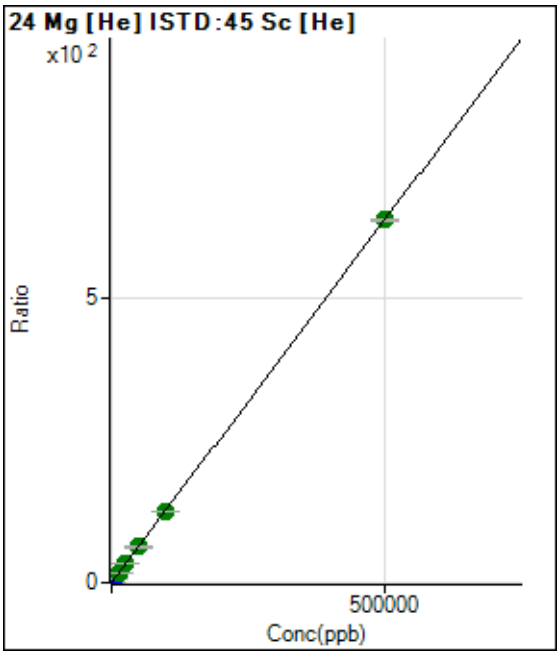


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	7737.67	0.1060	P	4.6
2	☐	500.000	504.153	102107.19	1.3826	P	2.6
3	☐	5000.000	5010.909	938308.07	12.7943	P	0.6
4	☐	12500.000	12811.669	2434392.88	32.5468	A	0.8
5	☐	25000.000	25933.448	4976239.37	65.7728	A	0.3
6	☐	50000.000	49304.250	9947115.62	124.9507	A	0.2
7	☐	100000.00	98677.651	20018176.23	249.9705	A	0.5
8	☐	500000.00	500279.46	78095339.39	1,266.877	A	0.6

y = 0.0025 * x + 0.1060
R = 1.0000
DL = 5.741
BEC = 41.87

Weight: <None>
Min Conc: 0

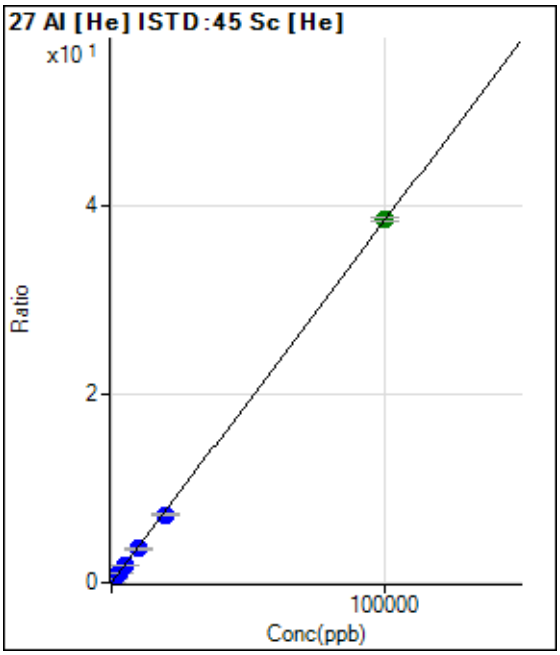
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	588.91	0.0081	P	11.6
2	☐	500.000	523.816	49979.71	0.6766	P	2.0
3	☐	5000.000	5064.485	474659.59	6.4721	P	0.5
4	☐	12500.000	13053.922	1246810.63	16.6694	A	0.9
5	☐	25000.000	26226.695	2533200.82	33.4825	A	0.4
6	☐	50000.000	49295.483	5009446.84	62.9263	A	1.1
7	☐	100000.00	98161.619	10034016.93	125.2966	A	0.5
8	☐	500000.00	500362.27	39366661.08	638.6452	A	0.5

y = 0.0013 * x + 0.0081
R = 1.0000
DL = 2.199
BEC = 6.321

Weight: <None>
Min Conc: 0

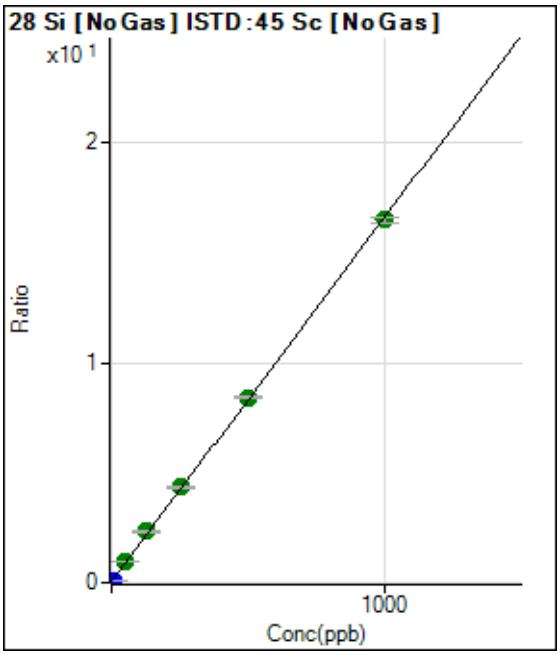


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	30.00	0.0004	P	48.8
2	☐	20.000	20.302	607.80	0.0082	P	13.8
3	☐	1000.000	978.772	27567.28	0.3759	P	0.7
4	☐	2500.000	2439.850	70038.50	0.9364	P	0.3
5	☐	5000.000	4875.034	141523.61	1.8706	P	0.9
6	☐	10000.000	9341.955	285325.86	3.5842	P	1.2
7	☐	20000.000	18815.371	578061.89	7.2184	P	0.7
8	☐	100000.00	100310.69	2372112.67	38.4817	A	1.1

y = 3.8362E-004 * x + 4.1136E-004
R = 0.9999
DL = 1.569
BEC = 1.072

Weight: <None>
Min Conc: 0

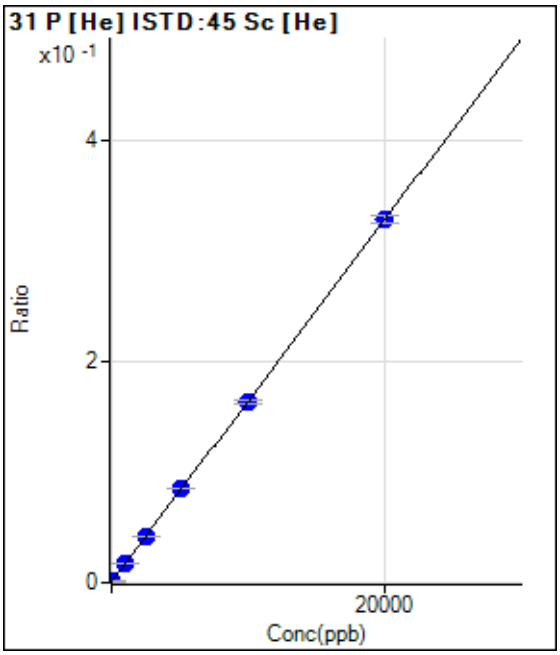
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	212218.36	0.0488	P	0.1
2	☐	10.000	0.536	248610.00	0.0576	P	1.1
3	☐	50.000	52.916	4025006.75	0.9256	A	0.9
4	☐	125.000	137.816	9799858.12	2.3324	A	4.0
5	☐	250.000	259.307	19518730.82	4.3456	A	1.4
6	☐	500.000	505.080	38976808.59	8.4181	A	0.9
7	☐	1000.000	993.480	76093831.09	16.5110	A	1.3
8	☐			290851.72	0.0741	P	4.3

y = 0.0166 * x + 0.0488
R = 0.9998
DL = 0.01293
BEC = 2.943

Weight: <None>
Min Conc: 0

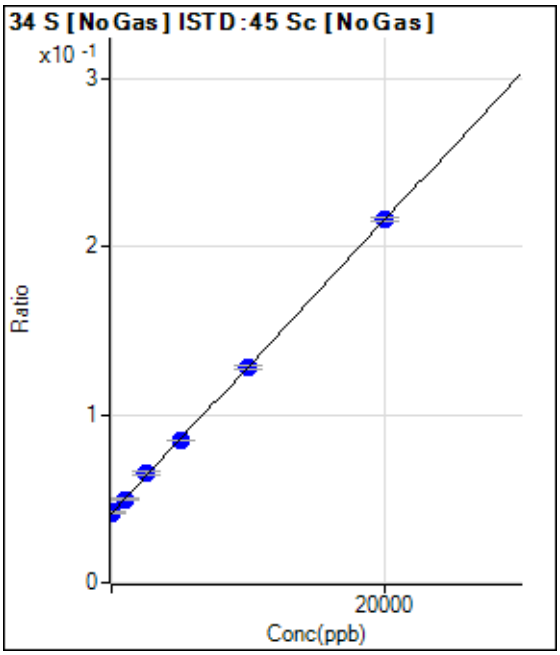


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-10.911	37.78	0.0005	P	22.1
2	☐	0.000	10.911	64.45	0.0009	P	22.1
3	☐	1000.000	1001.940	1253.40	0.0171	P	6.2
4	☐	2500.000	2516.602	3131.48	0.0419	P	2.8
5	☐	5000.000	5150.137	6427.03	0.0850	P	1.0
6	☐	10000.000	9923.406	12979.23	0.1630	P	1.5
7	☐	20000.000	19998.591	26257.15	0.3279	P	2.0
8	☐			30.00	0.0005	P	32.5

y = 1.6360E-005 * x + 6.9604E-004
R = 1.0000
DL = 28.23
BEC = 42.55

Weight: <None>
Min Conc: 0

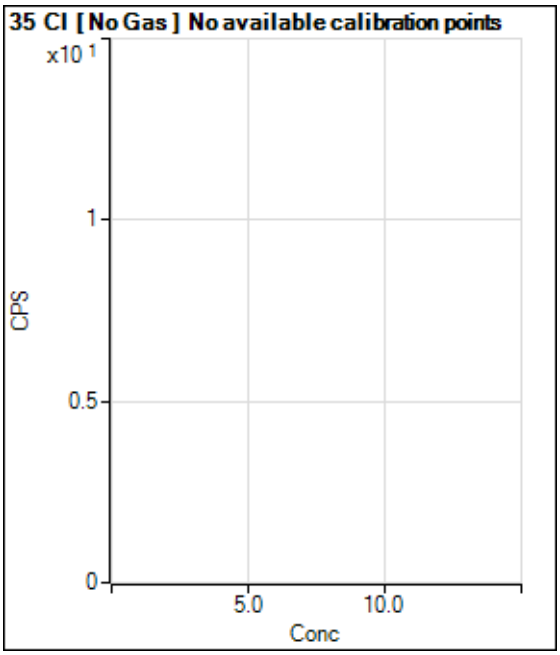
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-62.706	177395.15	0.0408	P	0.8
2	☐	0.000	62.706	180544.31	0.0419	P	0.9
3	☐	1000.000	948.412	215597.18	0.0496	P	0.8
4	☐	2500.000	2774.440	275215.61	0.0655	P	4.0
5	☐	5000.000	4961.766	379897.44	0.0846	P	1.1
6	☐	10000.000	9967.912	593706.40	0.1282	P	1.9
7	☐	20000.000	19993.877	993994.93	0.2157	P	1.1
8	☐			163320.87	0.0416	P	0.6

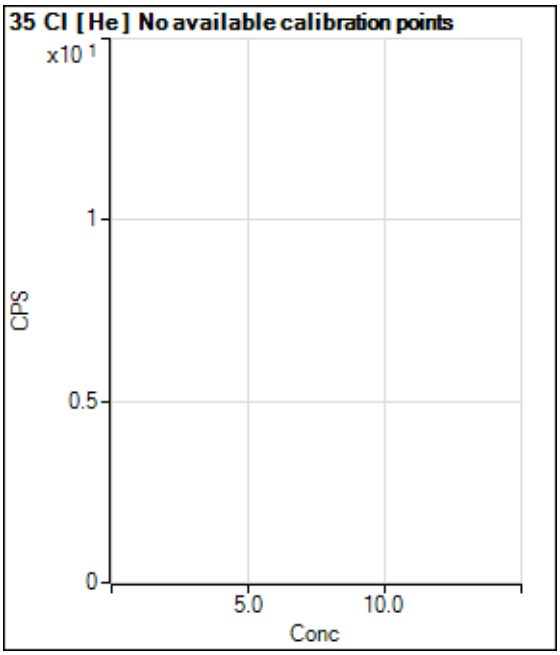
y = 8.7204E-006 * x + 0.0413
R = 0.9999
DL = 122.1
BEC = 4737

Weight: <None>
Min Conc: 0

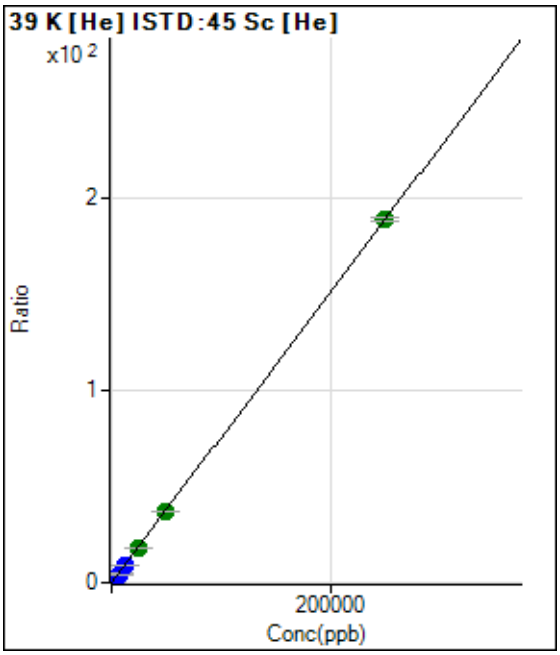


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			42479.93		P	1.7
2	☐			43095.08		P	1.0
3	☐			44677.59		P	0.3
4	☐			45520.16		P	1.4
5	☐			47489.80		P	0.6
6	☐			54137.47		P	2.2
7	☐			64035.29		P	3.9
8	☐			43032.70		P	3.3

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			143.34		P	15.2
2	☐			164.45		P	3.1
3	☐			167.78		P	25.9
4	☐			176.67		P	5.0
5	☐			207.78		P	23.8
6	☐			233.34		P	15.5
7	☐			258.90		P	8.4
8	☐			178.89		P	10.3

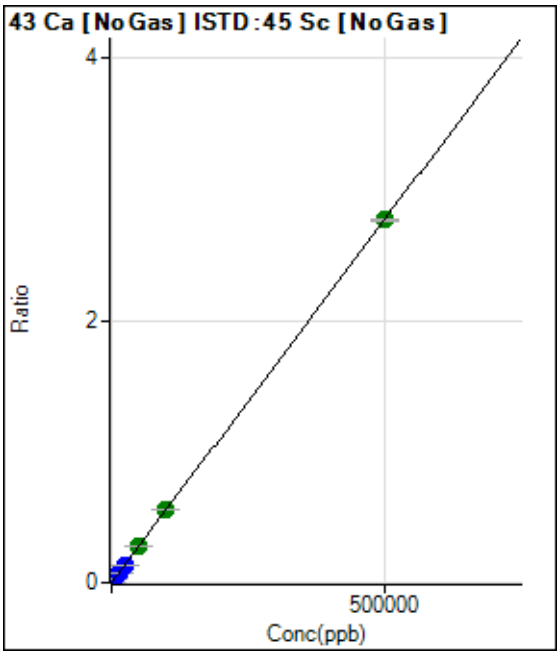


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2769.18	0.0379	P	2.6
2	☐	500.000	491.855	30193.86	0.4089	P	3.4
3	☐	2500.000	2374.357	134114.58	1.8287	P	0.4
4	☐	6250.000	5915.949	336570.06	4.4998	P	0.5
5	☐	12500.000	11980.772	686521.01	9.0740	P	0.3
6	☐	25000.000	24090.587	1449425.10	18.2074	A	1.3
7	☐	50000.000	48751.849	2947563.19	36.8072	A	0.5
8	☐	250000.00	250376.15	11642528.30	188.8749	A	1.1

y = 7.5421E-004 * x + 0.0379
R = 1.0000
DL = 3.858
BEC = 50.3

Weight: <None>
Min Conc: 0

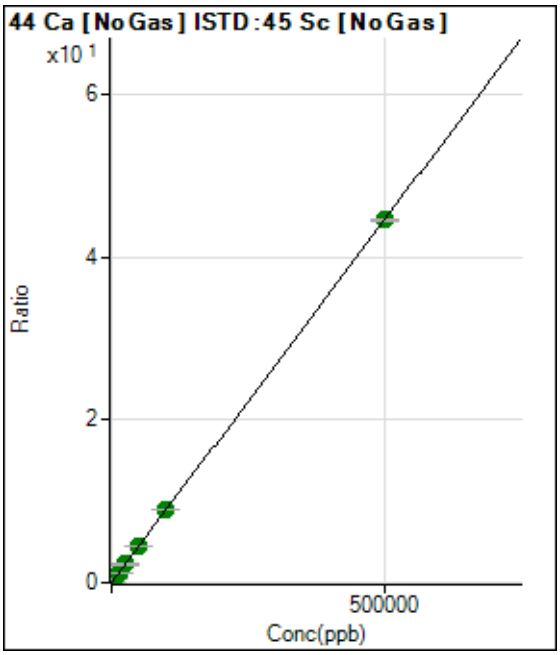
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	238.89	0.0001	P	4.3
2	☐	500.000	543.791	13207.25	0.0031	P	0.3
3	☐	5000.000	5054.632	121779.43	0.0280	P	0.5
4	☐	12500.000	13110.066	304834.33	0.0725	P	3.7
5	☐	25000.000	24802.415	616233.15	0.1372	P	1.7
6	☐	50000.000	49876.492	1277078.00	0.2758	A	2.5
7	☐	100000.00	100329.53	2557217.05	0.5548	A	0.9
8	☐	500000.00	499940.48	10850003.03	2.7644	A	0.3

y = 5.5294E-006 * x + 5.4903E-005
R = 1.0000
DL = 1.285
BEC = 9.929

Weight: <None>
Min Conc: 0

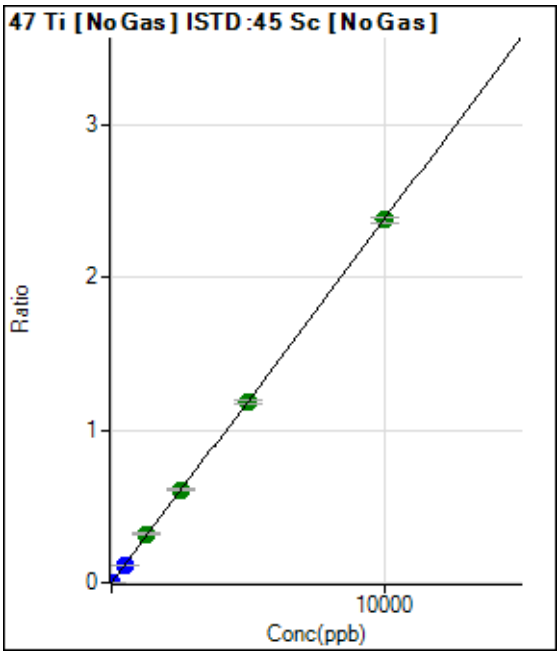


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3724.96	0.0009	P	1.9
2	☐	500.000	536.874	210173.87	0.0487	P	1.3
3	☐	5000.000	5187.788	2015145.21	0.4634	A	0.9
4	☐	12500.000	13319.895	4993014.40	1.1885	A	4.3
5	☐	25000.000	25292.039	10132551.17	2.2559	A	2.0
6	☐	50000.000	49512.007	20443184.70	4.4153	A	1.7
7	☐	100000.00	99806.861	41017978.28	8.8996	A	0.7
8	☐	500000.00	500050.41	174992757.3	44.5851	A	0.5

y = 8.9160E-005 * x + 8.5591E-004
R = 1.0000
DL = 0.5468
BEC = 9.6

Weight: <None>
Min Conc: 0

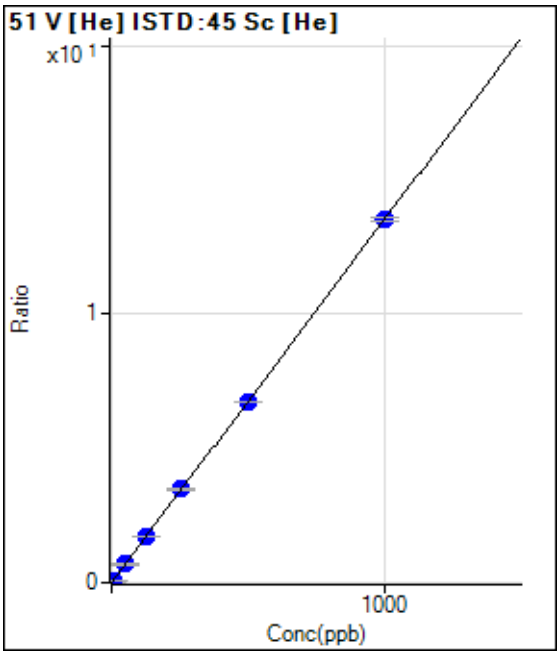
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	74.44	0.0000	P	7.7
2	☐	5.000	5.386	5610.04	0.0013	P	0.5
3	☐	500.000	496.020	514043.27	0.1182	P	0.3
4	☐	1250.000	1347.212	1348464.58	0.3210	A	4.9
5	☐	2500.000	2561.846	2741878.61	0.6104	A	1.1
6	☐	5000.000	4985.573	5499974.09	1.1879	A	1.9
7	☐	10000.000	9979.800	10959780.39	2.3779	A	1.4
8	☐			3708.30	0.0009	P	2.8

y = 2.3827E-004 * x + 1.7112E-005
R = 0.9999
DL = 0.01662
BEC = 0.07182

Weight: <None>
Min Conc: 0

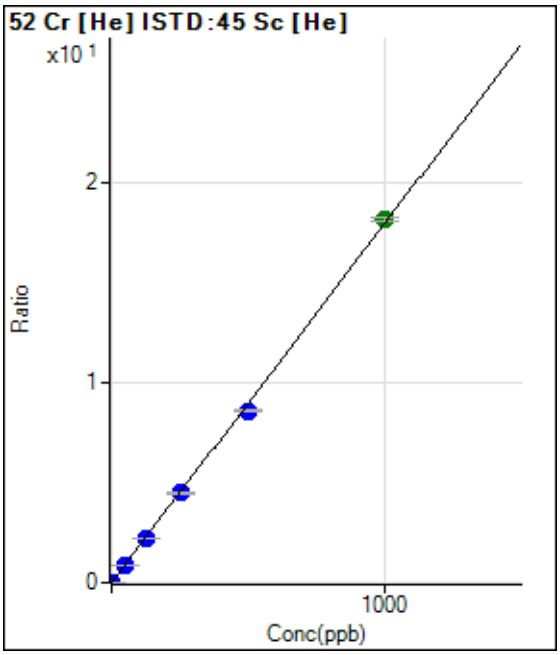


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3.33	0.0000	P	0.3
2	☐	5.000	5.100	5103.17	0.0691	P	2.1
3	☐	50.000	50.373	50001.43	0.6818	P	0.6
4	☐	125.000	126.526	128082.23	1.7124	P	0.5
5	☐	250.000	256.940	263082.70	3.4774	P	1.1
6	☐	500.000	498.038	536580.76	6.7404	P	0.9
7	☐	1000.000	999.036	1082752.71	13.5207	P	1.0
8	☐			240.00	0.0039	P	9.7

y = 0.0135 * x + 4.5619E-005
R = 1.0000
DL = 2.925E-05
BEC = 0.003371

Weight: <None>
Min Conc: 0

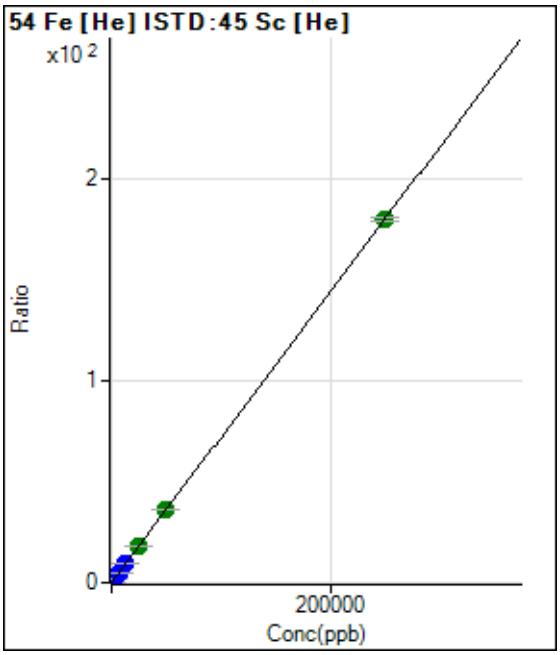
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	297.78	0.0041	P	6.4
2	☐	2.000	2.011	2955.89	0.0401	P	8.5
3	☐	50.000	49.843	65741.34	0.8964	P	0.4
4	☐	125.000	123.627	165848.43	2.2173	P	0.8
5	☐	250.000	249.661	338461.84	4.4737	P	0.7
6	☐	500.000	479.048	683062.11	8.5803	P	0.4
7	☐	1000.000	1010.740	1449457.42	18.0990	A	1.2
8	☐			1791.26	0.0290	P	9.6

y = 0.0179 * x + 0.0041
R = 0.9997
DL = 0.04395
BEC = 0.2279

Weight: <None>
Min Conc: 0

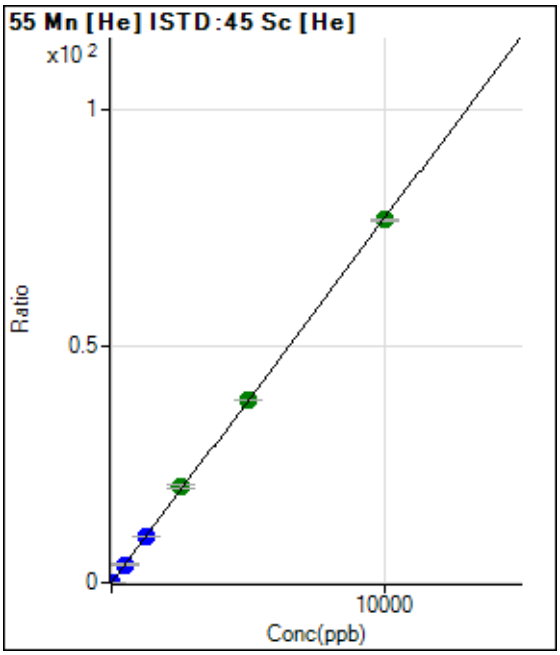


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	196.67	0.0027	P	7.7
2	☐	50.000	53.734	3048.13	0.0413	P	6.4
3	☐	2500.000	2571.597	135649.69	1.8496	P	0.5
4	☐	6250.000	6357.161	341700.87	4.5684	P	0.6
5	☐	12500.000	12726.945	691759.03	9.1432	P	0.4
6	☐	25000.000	25510.000	1458728.83	18.3240	A	1.1
7	☐	50000.000	50110.730	2882239.78	35.9923	A	1.3
8	☐	250000.00	249912.11	11063284.42	179.4901	A	1.0

y = 7.1820E-004 * x + 0.0027
R = 1.0000
DL = 0.8672
BEC = 3.751

Weight: <None>
Min Conc: 0

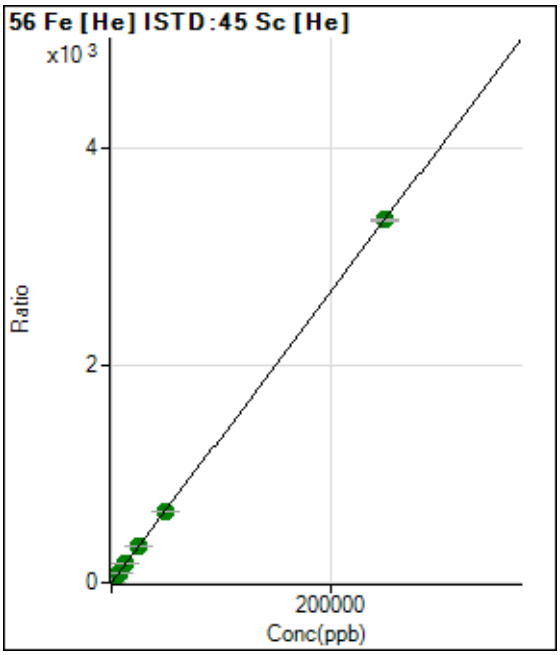
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	126.67	0.0017	P	11.3
2	☐	1.000	0.978	683.36	0.0093	P	7.2
3	☐	500.000	501.220	282885.39	3.8573	P	0.8
4	☐	1250.000	1244.755	716314.21	9.5768	P	0.2
5	☐	2500.000	2640.423	1536678.41	20.3128	A	2.4
6	☐	5000.000	5013.736	3070473.04	38.5692	A	0.8
7	☐	10000.000	9958.621	6134774.01	76.6071	A	0.5
8	☐			2159.08	0.0350	P	2.7

y = 0.0077 * x + 0.0017
R = 0.9999
DL = 0.07645
BEC = 0.2256

Weight: <None>
Min Conc: 0

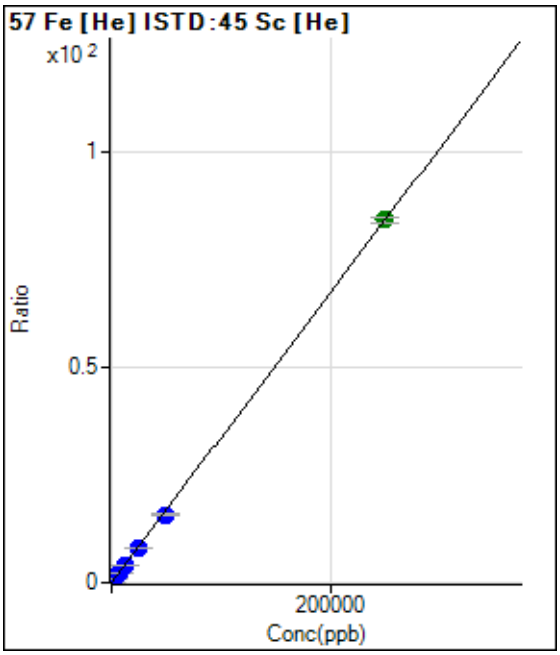


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3067.03	0.0420	P	7.2
2	☐	50.000	53.613	55902.15	0.7570	P	3.1
3	☐	2500.000	2616.795	2562455.33	34.9400	A	0.4
4	☐	6250.000	6452.469	6439447.19	86.0932	A	1.0
5	☐	12500.000	12902.995	13022401.33	172.1184	A	0.5
6	☐	25000.000	24618.459	26139885.72	328.3576	A	0.7
7	☐	50000.000	49108.567	52451024.22	654.9615	A	0.2
8	☐	250000.00	250190.06	205668052.4	3,336.615	A	0.8

y = 0.0133 * x + 0.0420
R = 1.0000
DL = 0.678
BEC = 3.151

Weight: <None>
Min Conc: 0

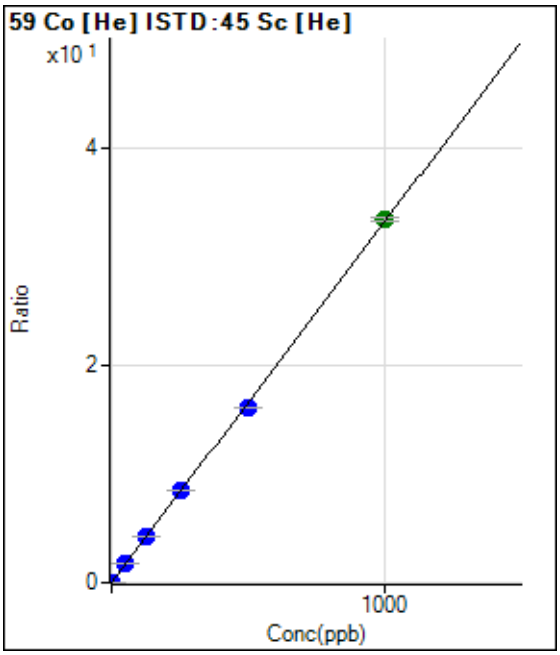
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	81.11	0.0011	P	24.0
2	☐	50.000	52.209	1376.75	0.0186	P	1.8
3	☐	2500.000	2525.203	62237.19	0.8486	P	0.6
4	☐	6250.000	6223.735	156320.61	2.0900	P	0.8
5	☐	12500.000	12455.109	316349.86	4.1814	P	0.5
6	☐	25000.000	23853.141	637406.40	8.0068	P	0.6
7	☐	50000.000	47135.525	1266959.62	15.8210	P	0.9
8	☐	250000.00	250690.23	5185526.69	84.1391	A	1.7

y = 3.3563E-004 * x + 0.0011
R = 0.9999
DL = 2.379
BEC = 3.31

Weight: <None>
Min Conc: 0

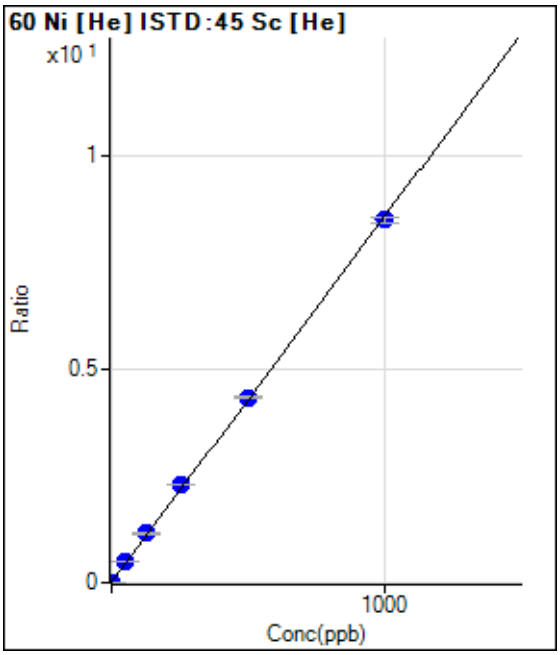


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	87.78	0.0012	P	19.4
2	☐	1.000	1.114	2822.53	0.0382	P	5.1
3	☐	50.000	51.499	125641.24	1.7132	P	0.5
4	☐	125.000	126.651	314999.14	4.2114	P	0.4
5	☐	250.000	255.481	642619.72	8.4941	P	1.3
6	☐	500.000	485.195	1284105.78	16.1304	P	0.7
7	☐	1000.000	1005.751	2677516.70	33.4351	A	1.0
8	☐			4278.46	0.0694	P	2.1

y = 0.0332 * x + 0.0012
R = 0.9998
DL = 0.02105
BEC = 0.03617

Weight: <None>
Min Conc: 0

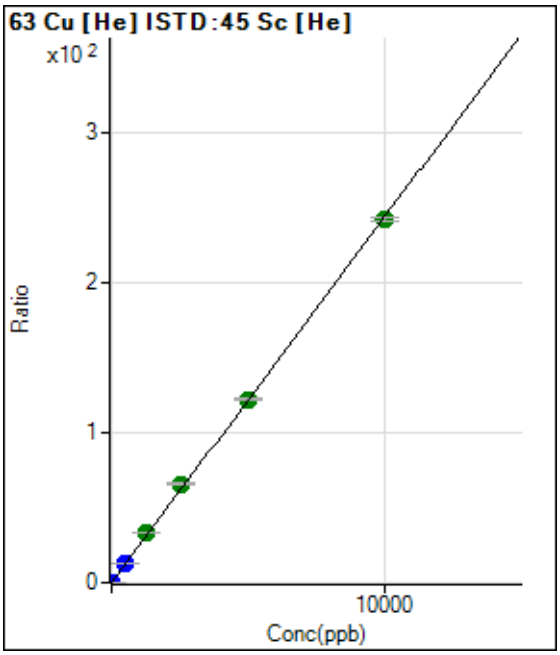
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	513.35	0.0070	P	12.0
2	☐	1.000	1.155	1251.18	0.0169	P	3.2
3	☐	50.000	54.832	34943.93	0.4765	P	0.9
4	☐	125.000	133.755	86176.50	1.1521	P	0.8
5	☐	250.000	267.498	173794.47	2.2972	P	0.7
6	☐	500.000	505.793	345279.47	4.3373	P	0.5
7	☐	1000.000	991.393	680254.60	8.4946	P	1.3
8	☐			1704.57	0.0277	P	4.8

y = 0.0086 * x + 0.0070
R = 0.9998
DL = 0.2962
BEC = 0.8216

Weight: <None>
Min Conc: 0

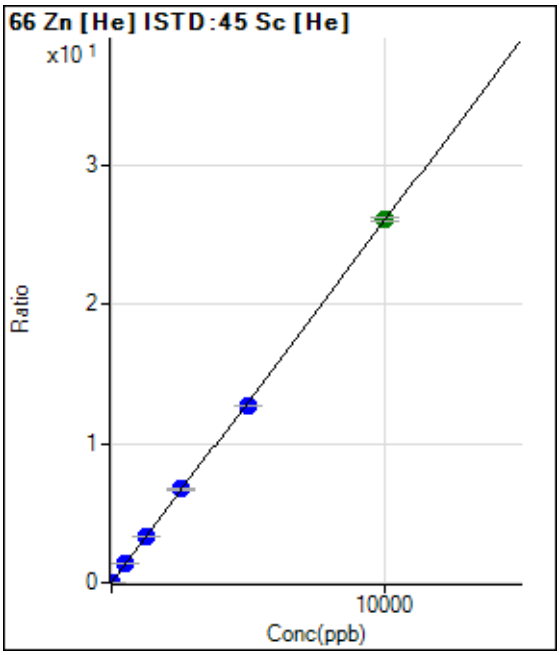


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1592.33	0.0218	P	4.6
2	☐	2.000	2.077	5358.83	0.0725	P	1.3
3	☐	500.000	525.125	941941.26	12.8437	P	0.3
4	☐	1250.000	1352.729	2472126.84	33.0512	A	1.0
5	☐	2500.000	2699.402	4988098.01	65.9327	A	1.4
6	☐	5000.000	5021.062	9761572.98	122.6204	A	0.4
7	☐	10000.000	9925.521	19409712.35	242.3718	A	1.1
8	☐			3373.77	0.0547	P	1.6

y = 0.0244 * x + 0.0218
R = 0.9998
DL = 0.1226
BEC = 0.8934

Weight: <None>
Min Conc: 0

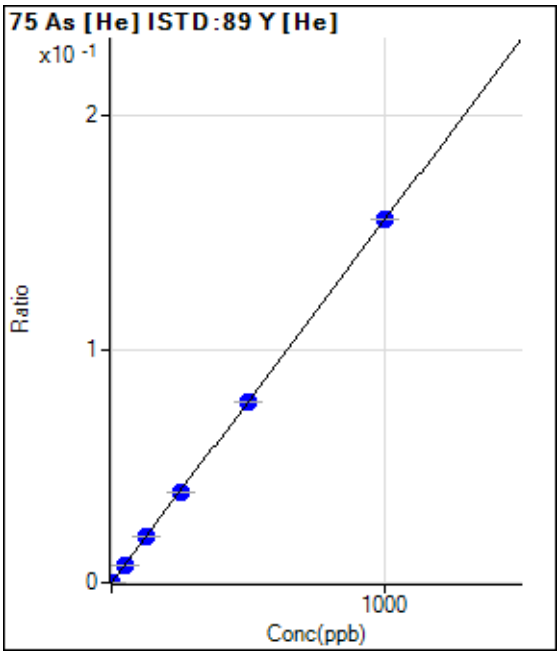
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	166.67	0.0023	P	10.4
2	☐	2.000	5.125	1152.28	0.0156	P	7.7
3	☐	500.000	522.901	99926.57	1.3625	P	0.6
4	☐	1250.000	1295.008	252142.83	3.3711	P	0.3
5	☐	2500.000	2584.011	508720.93	6.7242	P	1.1
6	☐	5000.000	4889.494	1012739.94	12.7216	P	0.5
7	☐	10000.000	10027.478	2089060.30	26.0873	A	1.2
8	☐			817.81	0.0133	P	2.1

y = 0.0026 * x + 0.0023
R = 0.9999
DL = 0.2737
BEC = 0.8776

Weight: <None>
Min Conc: 0

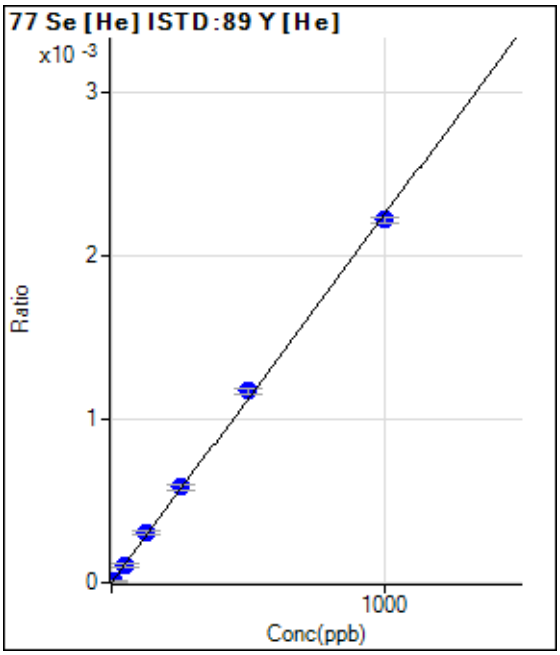


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4.44	0.0000	P	44.0
2	☐	1.000	1.183	143.33	0.0002	P	12.5
3	☐	50.000	49.592	5757.90	0.0077	P	2.4
4	☐	125.000	125.898	14817.88	0.0195	P	1.7
5	☐	250.000	250.177	29820.45	0.0388	P	1.4
6	☐	500.000	497.976	60921.91	0.0773	P	0.7
7	☐	1000.000	1000.876	122681.40	0.1554	P	0.1
8	☐			50.00	0.0001	P	10.5

y = 1.5523E-004 * x + 6.0302E-006
R = 1.0000
DL = 0.05124
BEC = 0.03885

Weight: <None>
Min Conc: 0

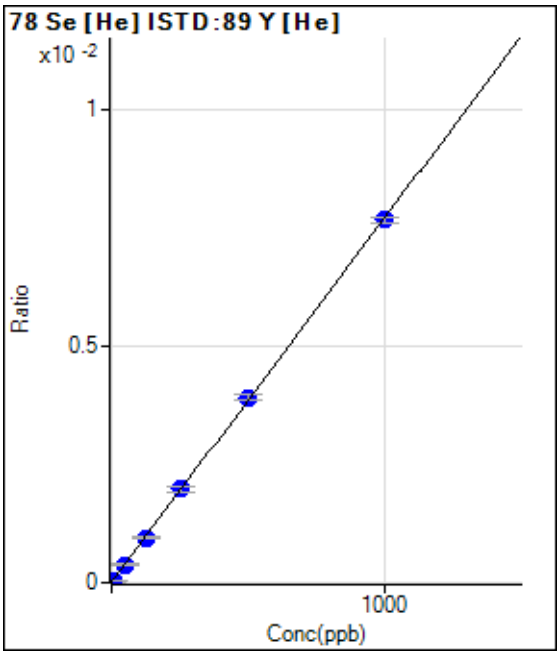
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	5.000	3.971	6.67	0.0000	P	101.
3	☐	50.000	46.785	78.89	0.0001	P	12.5
4	☐	125.000	136.505	233.34	0.0003	P	7.0
5	☐	250.000	259.264	448.90	0.0006	P	4.9
6	☐	500.000	521.378	926.71	0.0012	P	2.7
7	☐	1000.000	985.723	1755.68	0.0022	P	1.9
8	☐			1.11	0.0000	P	173.

y = 2.2556E-006 * x + 0.0000E+000
R = 0.9995
DL = 0
BEC = 0

Weight: <None>
Min Conc: 0

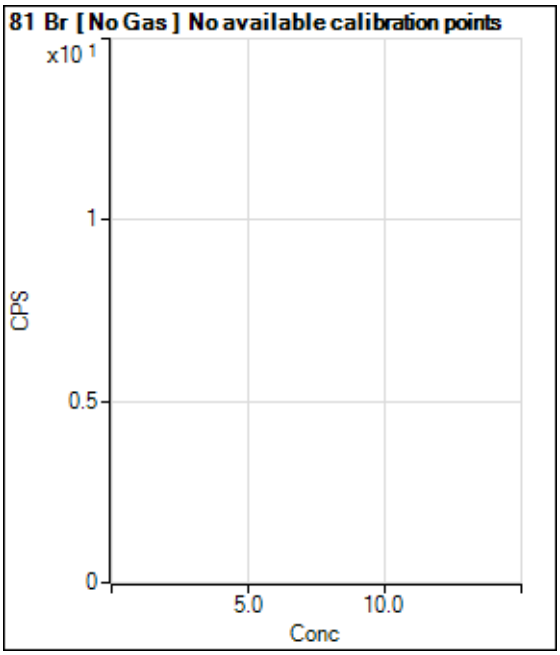


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8.89	0.0000	P	42.8
2	☐	5.000	5.111	38.89	0.0001	P	30.7
3	☐	50.000	48.043	285.56	0.0004	P	10.9
4	☐	125.000	121.549	718.92	0.0009	P	2.7
5	☐	250.000	257.038	1530.10	0.0020	P	6.2
6	☐	500.000	507.670	3091.48	0.0039	P	3.1
7	☐	1000.000	994.934	6061.37	0.0077	P	1.7
8	☐			5.56	0.0000	P	33.2

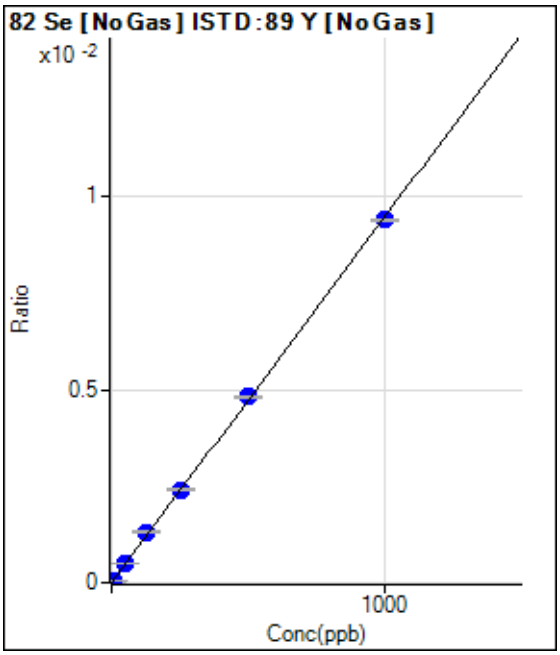
y = 7.7045E-006 * x + 1.2032E-005
R = 0.9999
DL = 2.004
BEC = 1.562

Weight: <None>
Min Conc: 0

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			4206.23		P	2.2
2	☐			4201.79		P	2.0
3	☐			4059.51		P	2.6
4	☐			4268.47		P	5.1
5	☐			4437.41		P	2.8
6	☐			4561.91		P	1.5
7	☐			4438.52		P	3.5
8	☐			4651.93		P	3.1

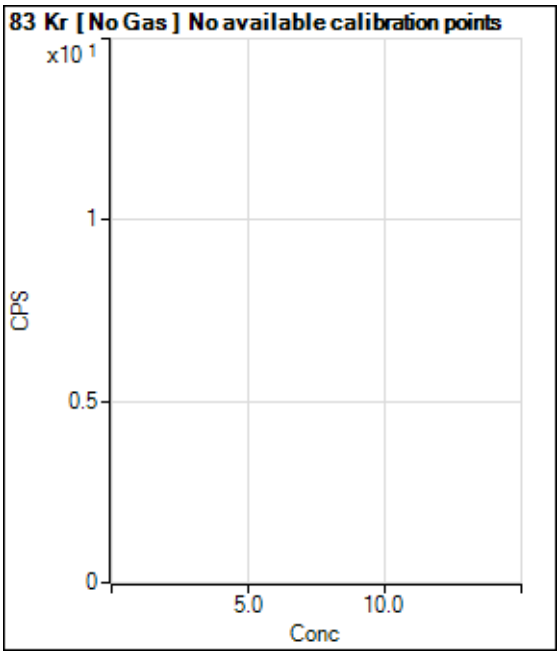


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-29.93	0.0000	P	-84.
2	☐	5.000	6.467	646.97	0.0001	P	7.9
3	☐	50.000	52.491	5523.90	0.0005	P	2.3
4	☐	125.000	137.711	14006.52	0.0013	P	4.2
5	☐	250.000	254.769	28004.11	0.0024	P	2.7
6	☐	500.000	507.939	56832.91	0.0048	P	1.7
7	☐	1000.000	993.117	111163.21	0.0094	P	0.7
8	☐			29.05	0.0000	P	64.1

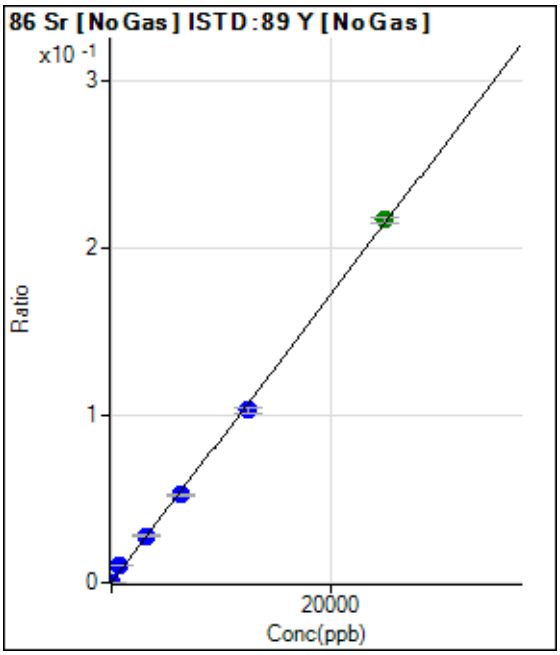
y = 9.4725E-006 * x - 2.6784E-006
R = 0.9999
DL = 0.7205
BEC = -0.2828

Weight: <None>
Min Conc: 0

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			108.89		P	12.4
2	☐			78.89		P	10.6
3	☐			86.67		P	51.7
4	☐			108.89		P	7.7
5	☐			90.00		P	11.1
6	☐			101.11		P	12.5
7	☐			105.56		P	13.1
8	☐			164.45		P	20.3

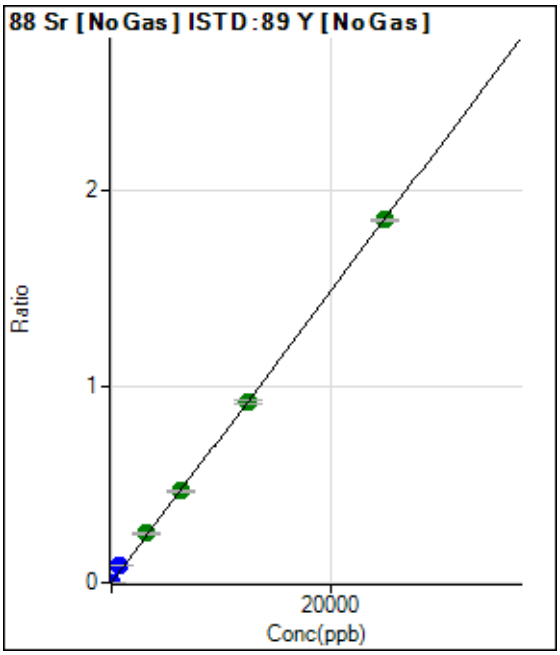


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	192.23	0.0000	P	23.9
2	☐	1.000	25.680	2624.72	0.0002	P	5.0
3	☐	625.000	1238.437	118948.06	0.0107	P	1.1
4	☐	3125.000	3245.223	300003.27	0.0279	P	3.7
5	☐	6250.000	6093.089	608060.92	0.0523	P	1.7
6	☐	12500.000	11989.159	1216863.44	0.1030	P	2.6
7	☐	25000.000	25264.284	2564484.79	0.2170	A	1.5
8	☐			6885.09	0.0007	P	3.5

y = 8.5873E-006 * x + 1.7102E-005
R = 0.9993
DL = 1.427
BEC = 1.992

Weight: <None>
Min Conc: 0

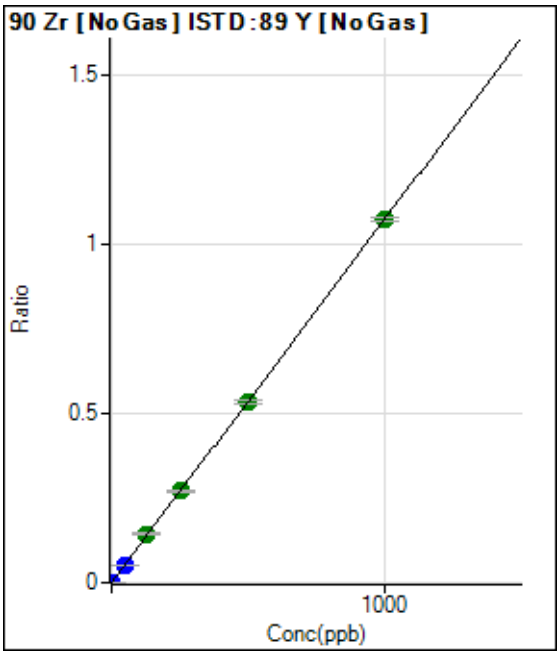
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	442.23	0.0000	P	16.4
2	☐	1.000	24.972	20922.45	0.0019	P	1.7
3	☐	625.000	1243.455	1031634.24	0.0924	P	0.6
4	☐	3125.000	3380.629	2700382.39	0.2511	A	5.1
5	☐	6250.000	6302.284	5437822.42	0.4681	A	1.2
6	☐	12500.000	12446.328	10924433.86	0.9243	A	1.6
7	☐	25000.000	24966.349	21916446.90	1.8541	A	0.5
8	☐			57874.86	0.0057	P	0.6

y = 7.4262E-005 * x + 3.9421E-005
R = 0.9997
DL = 0.2604
BEC = 0.5308

Weight: <None>
Min Conc: 0

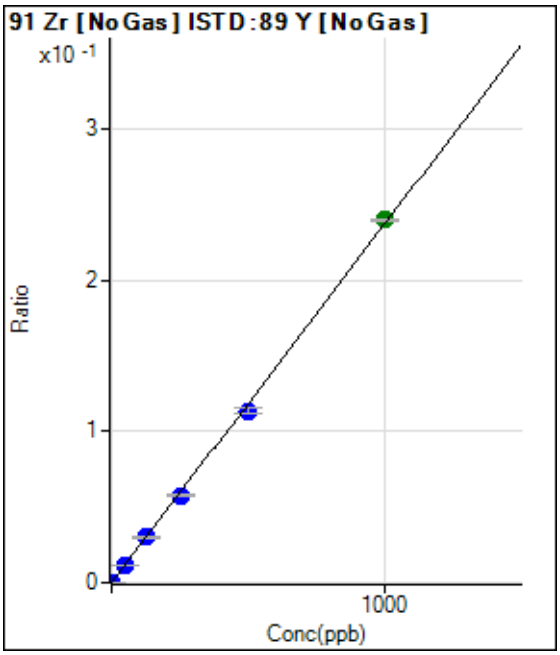


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	372.23	0.0000	P	15.6
2	☐	1.000	1.026	12515.71	0.0011	P	2.5
3	☐	50.000	48.923	586150.96	0.0525	P	0.8
4	☐	125.000	133.217	1537040.41	0.1429	A	3.9
5	☐	250.000	252.607	3146892.17	0.2709	A	2.2
6	☐	500.000	498.360	6314898.93	0.5344	A	2.8
7	☐	1000.000	999.195	12664238.42	1.0714	A	1.1
8	☐			6343.72	0.0006	P	1.9

y = 0.0011 * x + 3.3184E-005
R = 1.0000
DL = 0.01453
BEC = 0.03095

Weight: <None>
Min Conc: 0

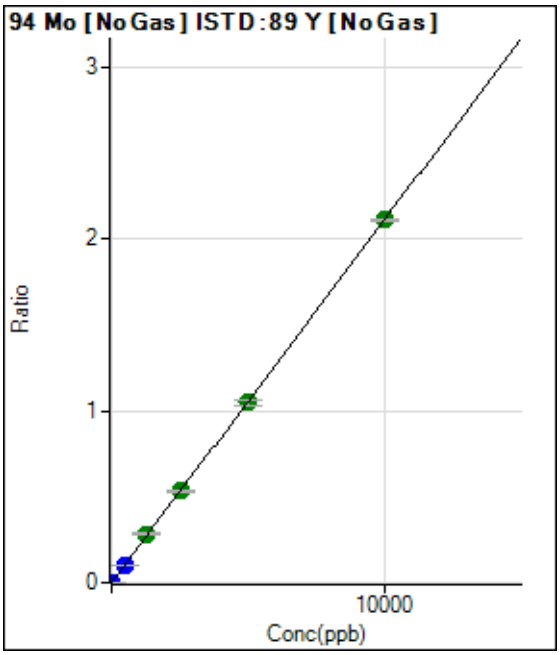
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	73.34	0.0000	P	33.5
2	☐	1.000	1.044	2808.09	0.0003	P	3.8
3	☐	50.000	49.144	130279.33	0.0117	P	1.4
4	☐	125.000	128.470	327957.49	0.0305	P	4.4
5	☐	250.000	242.479	668462.27	0.0575	P	1.8
6	☐	500.000	478.536	1341798.29	0.1135	P	3.0
7	☐	1000.000	1012.221	2839150.37	0.2402	A	0.9
8	☐			1475.65	0.0001	P	5.0

y = 2.3727E-004 * x + 6.5142E-006
R = 0.9996
DL = 0.02763
BEC = 0.02745

Weight: <None>
Min Conc: 0

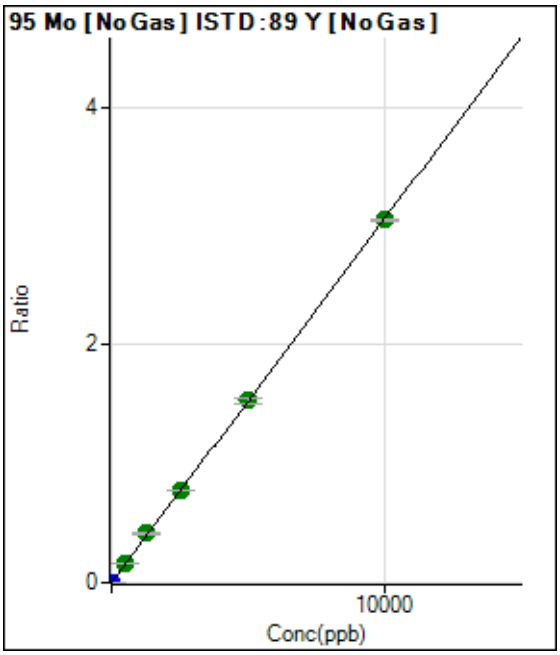


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	206.67	0.0000	P	3.5
2	☐	5.000	6.249	14761.24	0.0013	P	1.2
3	☐	500.000	497.632	1172098.12	0.1050	P	0.5
4	☐	1250.000	1341.223	3043239.09	0.2829	A	3.6
5	☐	2500.000	2532.093	6203609.91	0.5340	A	1.4
6	☐	5000.000	4964.950	12372232.32	1.0470	A	3.3
7	☐	10000.000	9998.217	24922356.57	2.1084	A	0.2
8	☐			5950.24	0.0006	P	12.1

y = 2.1088E-004 * x + 1.8396E-005
R = 0.9999
DL = 0.009176
BEC = 0.08724

Weight: <None>
Min Conc: 0

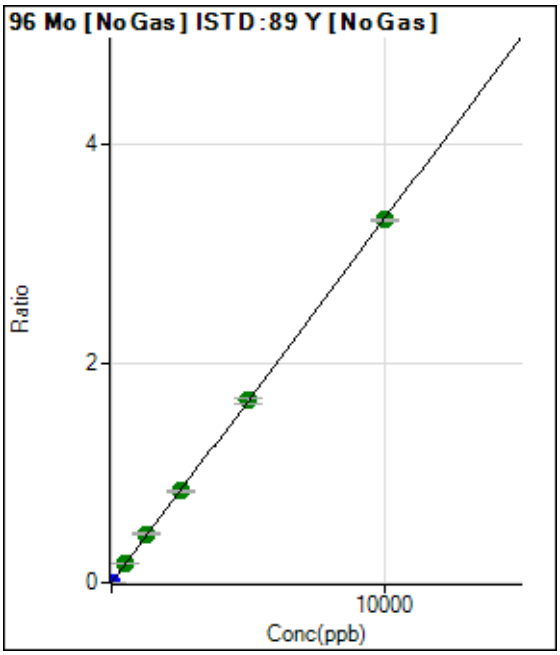
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	102.22	0.0000	P	5.7
2	☐	5.000	5.288	17973.88	0.0016	P	0.6
3	☐	500.000	522.966	1786692.39	0.1600	A	1.1
4	☐	1250.000	1357.032	4466448.27	0.4152	A	3.9
5	☐	2500.000	2534.140	9006842.16	0.7753	A	1.6
6	☐	5000.000	5000.772	18078561.96	1.5299	A	3.1
7	☐	10000.000	9976.552	36077255.85	3.0521	A	0.6
8	☐			5845.75	0.0006	P	14.2

y = 3.0593E-004 * x + 9.1050E-006
R = 0.9999
DL = 0.005085
BEC = 0.02976

Weight: <None>
Min Conc: 0

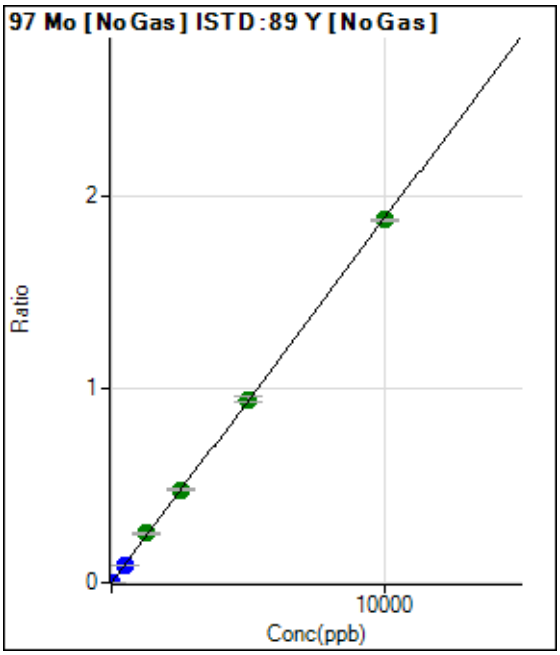


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	176.67	0.0000	P	9.6
2	☐	5.000	5.285	19576.09	0.0018	P	1.1
3	☐	500.000	515.416	1912344.95	0.1713	A	1.9
4	☐	1250.000	1343.373	4800880.31	0.4464	A	4.6
5	☐	2500.000	2520.945	9730938.33	0.8376	A	1.6
6	☐	5000.000	5016.850	19697647.20	1.6669	A	3.0
7	☐	10000.000	9973.896	39171789.69	3.3139	A	0.4
8	☐			9212.06	0.0009	P	10.4

y = 3.3225E-004 * x + 1.5744E-005
R = 1.0000
DL = 0.01366
BEC = 0.04739

Weight: <None>
Min Conc: 0

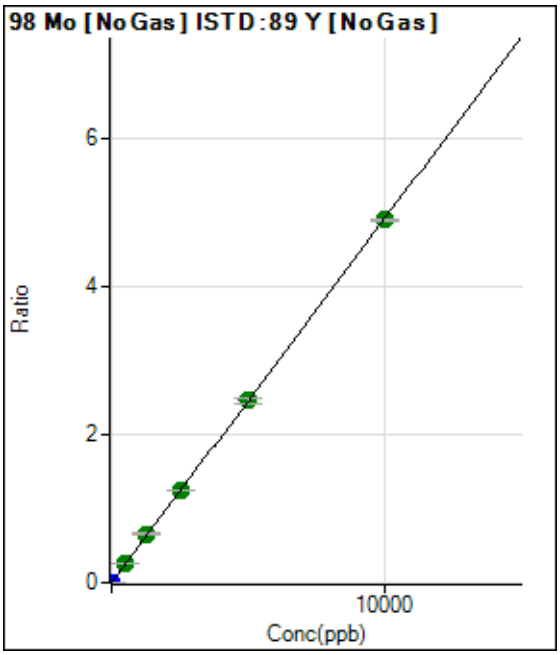
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	66.67	0.0000	P	17.0
2	☐	5.000	5.192	10852.08	0.0010	P	1.8
3	☐	500.000	498.180	1046236.39	0.0937	P	1.0
4	☐	1250.000	1361.797	2754153.88	0.2561	A	5.2
5	☐	2500.000	2541.831	5553201.17	0.4780	A	2.0
6	☐	5000.000	5033.493	11185869.14	0.9466	A	2.9
7	☐	10000.000	9958.912	22138441.34	1.8728	A	0.7
8	☐			3233.75	0.0003	P	13.2

y = 1.8806E-004 * x + 5.9282E-006
R = 0.9999
DL = 0.01608
BEC = 0.03152

Weight: <None>
Min Conc: 0

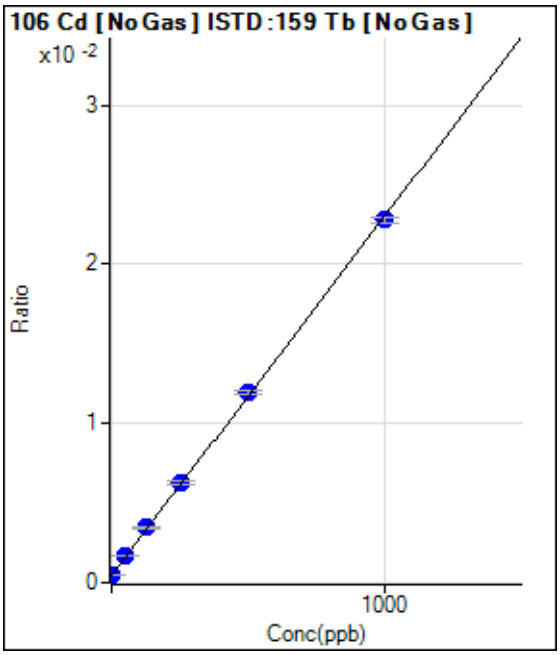


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	222.23	0.0000	P	7.7
2	☐	5.000	5.177	28303.34	0.0026	P	1.2
3	☐	500.000	521.086	2857262.63	0.2559	A	1.8
4	☐	1250.000	1345.585	7107257.33	0.6607	A	4.4
5	☐	2500.000	2537.269	14474168.95	1.2459	A	1.7
6	☐	5000.000	5006.826	29052749.29	2.4585	A	2.8
7	☐	10000.000	9974.267	57894311.92	4.8977	A	0.5
8	☐			7722.29	0.0008	P	16.1

y = 4.9103E-004 * x + 1.9789E-005
R = 1.0000
DL = 0.009357
BEC = 0.0403

Weight: <None>
Min Conc: 0

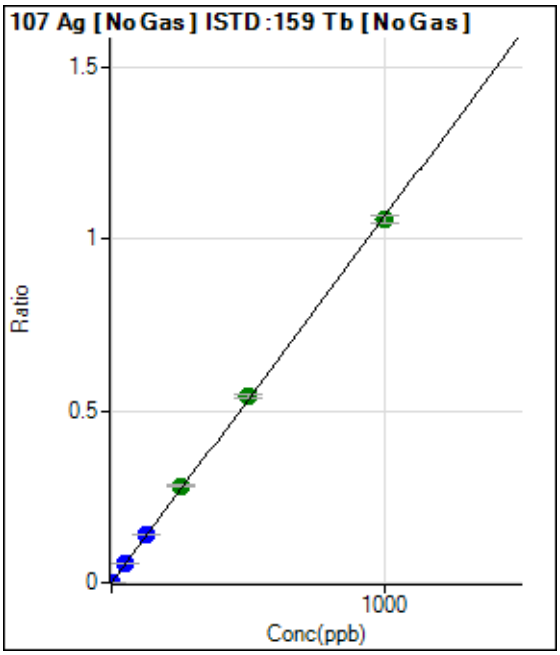
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3650.52	0.0004	P	1.8
2	☐	1.000	1.340	3907.26	0.0005	P	1.8
3	☐	50.000	53.105	13537.82	0.0016	P	0.6
4	☐	125.000	134.673	27858.11	0.0035	P	2.5
5	☐	250.000	259.589	53018.00	0.0063	P	3.5
6	☐	500.000	510.897	101683.05	0.0120	P	2.7
7	☐	1000.000	990.790	192075.82	0.0228	P	1.6
8	☐			3243.75	0.0004	P	3.5

y = 2.2546E-005 * x + 4.4575E-004
R = 0.9998
DL = 1.068
BEC = 19.77

Weight: <None>
Min Conc: 0

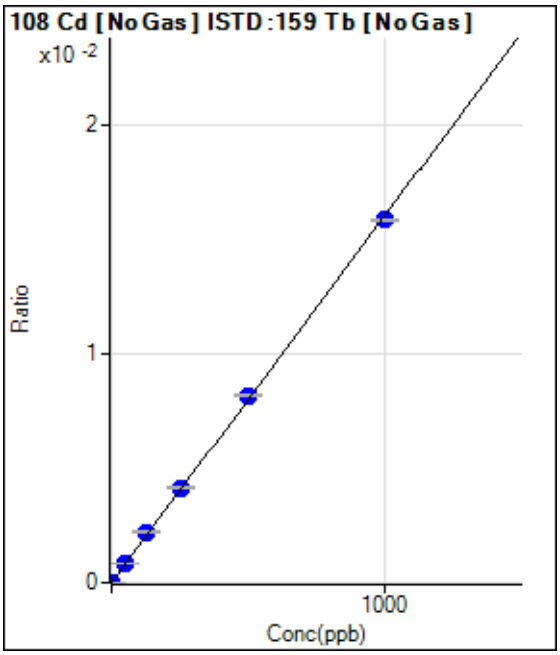


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	110.00	0.0000	P	13.6
2	☐	1.000	1.030	9118.65	0.0011	P	2.2
3	☐	50.000	51.031	447851.28	0.0544	P	1.2
4	☐	125.000	131.157	1117289.13	0.1397	P	3.2
5	☐	250.000	264.703	2372864.60	0.2819	A	3.2
6	☐	500.000	509.782	4613802.08	0.5428	A	1.7
7	☐	1000.000	990.612	8892593.34	1.0549	A	2.1
8	☐			1196.73	0.0002	P	17.0

y = 0.0011 * x + 1.3437E-005
R = 0.9998
DL = 0.005151
BEC = 0.01262

Weight: <None>
Min Conc: 0

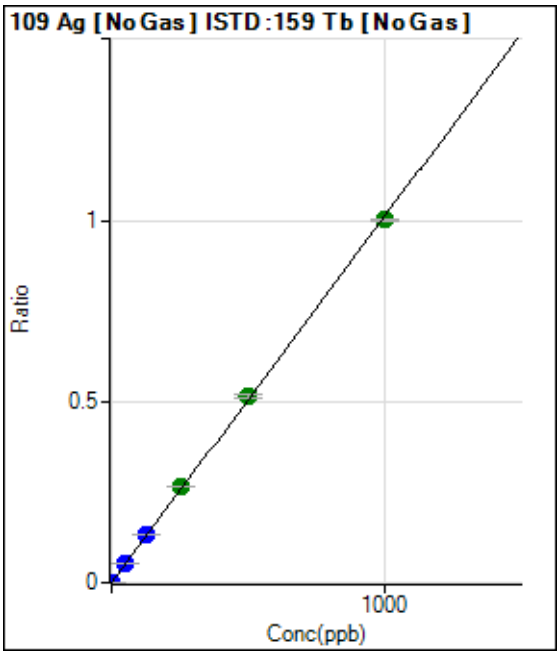
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	11.11	0.0000	P	46.2
2	☐	1.000	0.998	142.22	0.0000	P	33.1
3	☐	50.000	53.995	7136.35	0.0009	P	3.2
4	☐	125.000	137.132	17575.74	0.0022	P	3.9
5	☐	250.000	259.522	35001.00	0.0042	P	2.7
6	☐	500.000	511.588	69649.18	0.0082	P	1.4
7	☐	1000.000	990.109	133701.81	0.0159	P	0.8
8	☐			84.44	0.0000	P	25.8

y = 1.6015E-005 * x + 1.3581E-006
R = 0.9998
DL = 0.1175
BEC = 0.0848

Weight: <None>
Min Conc: 0

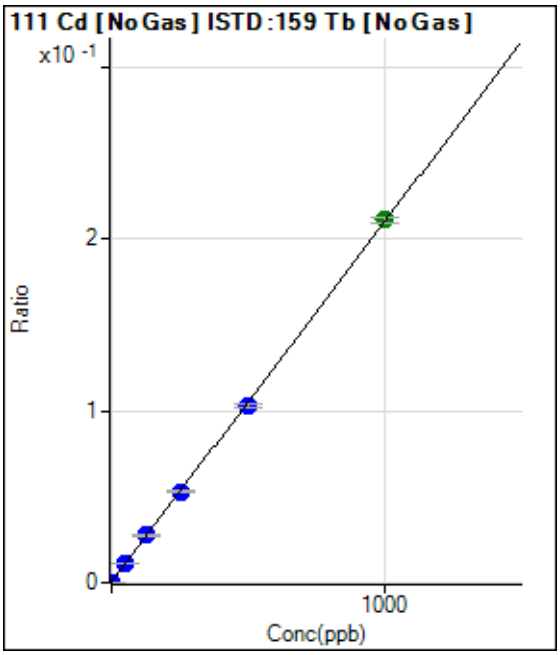


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	52.22	0.0000	P	24.4
2	☐	1.000	1.026	8564.97	0.0010	P	4.0
3	☐	50.000	51.271	427046.64	0.0518	P	0.9
4	☐	125.000	131.581	1064011.75	0.1330	P	2.8
5	☐	250.000	263.085	2238778.74	0.2659	A	1.5
6	☐	500.000	509.716	4378754.17	0.5152	A	1.7
7	☐	1000.000	990.985	8444777.03	1.0016	A	0.7
8	☐			1083.39	0.0001	P	17.1

y = 0.0010 * x + 6.3800E-006
R = 0.9998
DL = 0.004627
BEC = 0.006312

Weight: <None>
Min Conc: 0

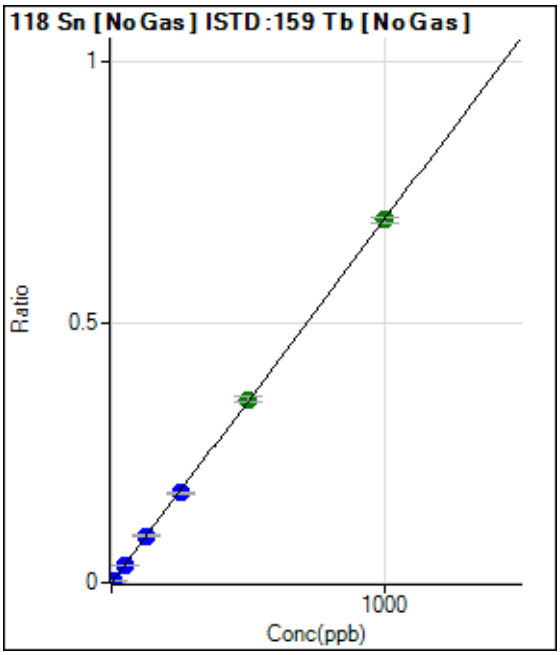
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2563.14	0.0003	P	1.6
2	☐	1.000	1.103	4466.78	0.0005	P	4.9
3	☐	50.000	50.726	90114.24	0.0109	P	1.0
4	☐	125.000	130.962	221887.81	0.0277	P	3.7
5	☐	250.000	250.074	443559.98	0.0527	P	2.5
6	☐	500.000	487.715	870801.35	0.1025	P	2.5
7	☐	1000.000	1005.342	1777592.25	0.2109	A	1.7
8	☐			2573.75	0.0004	P	2.3

y = 2.0944E-004 * x + 3.1297E-004
R = 0.9999
DL = 0.07115
BEC = 1.494

Weight: <None>
Min Conc: 0

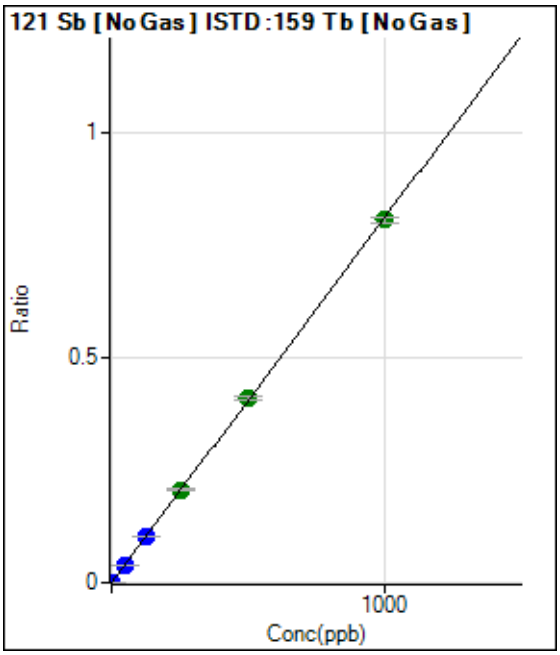


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	832.26	0.0001	P	13.7
2	☐	5.000	5.157	30382.68	0.0037	P	2.1
3	☐	50.000	49.500	285499.13	0.0346	P	0.6
4	☐	125.000	128.935	720624.88	0.0901	P	3.3
5	☐	250.000	246.250	1447724.86	0.1720	P	2.1
6	☐	500.000	504.084	2990874.82	0.3519	A	2.6
7	☐	1000.000	998.428	5876112.83	0.6969	A	1.2
8	☐			1581.22	0.0002	P	9.3

y = 6.9793E-004 * x + 1.0168E-004
R = 1.0000
DL = 0.05977
BEC = 0.1457

Weight: <None>
Min Conc: 0

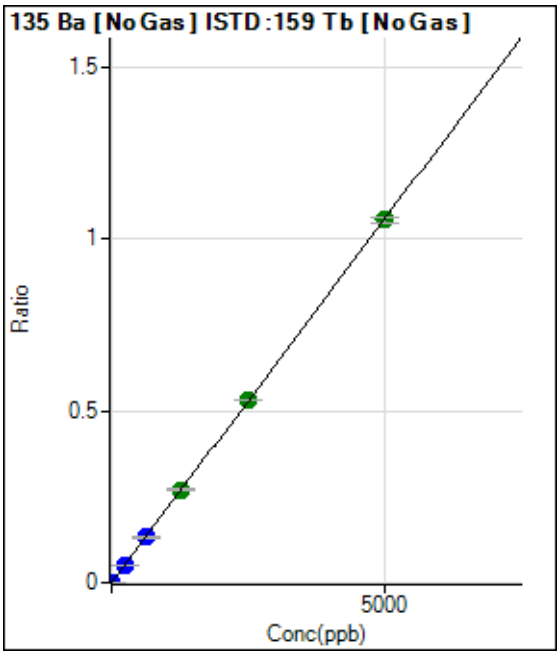
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	41.11	0.0000	P	17.4
2	☐	2.000	2.047	13679.17	0.0017	P	2.1
3	☐	50.000	49.236	329291.75	0.0400	P	0.5
4	☐	125.000	126.992	824454.32	0.1031	P	3.3
5	☐	250.000	255.645	1746814.68	0.2075	A	1.6
6	☐	500.000	507.290	3499170.05	0.4117	A	2.2
7	☐	1000.000	994.733	6805935.31	0.8073	A	1.8
8	☐			2212.43	0.0003	P	9.0

y = 8.1159E-004 * x + 5.0236E-006
R = 0.9999
DL = 0.003238
BEC = 0.00619

Weight: <None>
Min Conc: 0

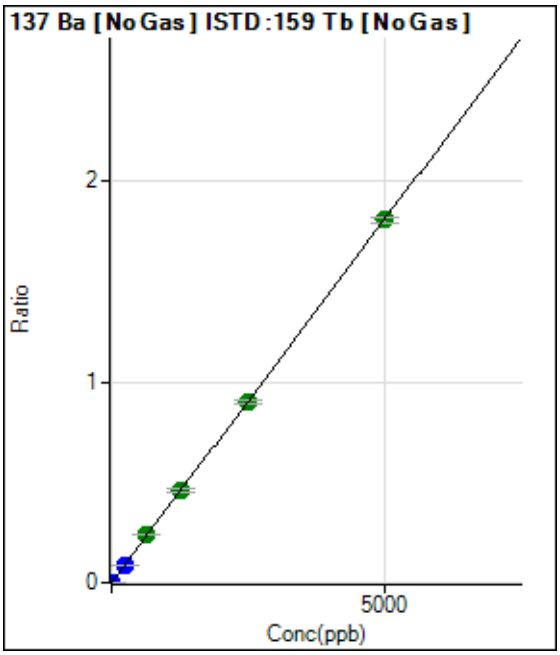


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	148.89	0.0000	P	13.7
2	☐	10.000	10.191	17831.81	0.0022	P	2.7
3	☐	250.000	242.652	422712.80	0.0513	P	0.6
4	☐	625.000	627.828	1061538.37	0.1327	P	3.3
5	☐	1250.000	1276.689	2271778.73	0.2698	A	1.7
6	☐	2500.000	2505.289	4500568.40	0.5295	A	0.4
7	☐	5000.000	4990.697	8894238.75	1.0548	A	1.4
8	☐			5803.52	0.0008	P	2.5

y = 2.1135E-004 * x + 1.8185E-005
R = 1.0000
DL = 0.03545
BEC = 0.08604

Weight: <None>
Min Conc: 0

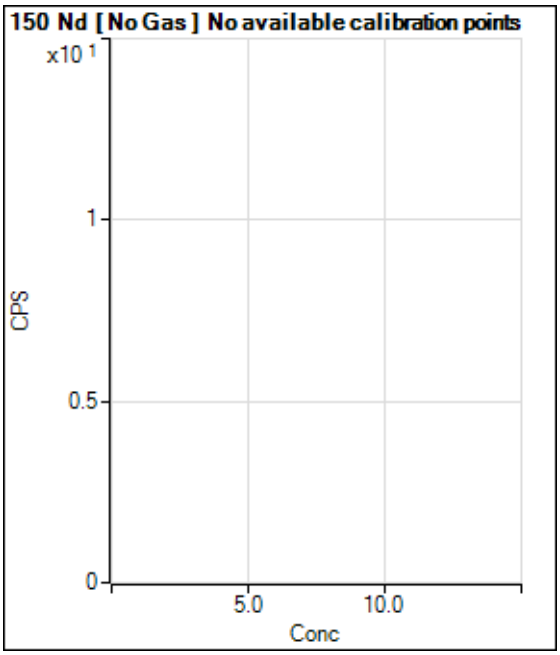
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	206.67	0.0000	P	6.2
2	☐	10.000	10.380	31015.55	0.0038	P	0.6
3	☐	250.000	246.600	734858.52	0.0892	P	0.4
4	☐	625.000	661.355	1913049.15	0.2391	A	3.0
5	☐	1250.000	1271.454	3870294.63	0.4597	A	2.5
6	☐	2500.000	2487.757	7645073.57	0.8995	A	1.3
7	☐	5000.000	4996.383	15229771.58	1.8065	A	1.6
8	☐			10077.17	0.0014	P	6.5

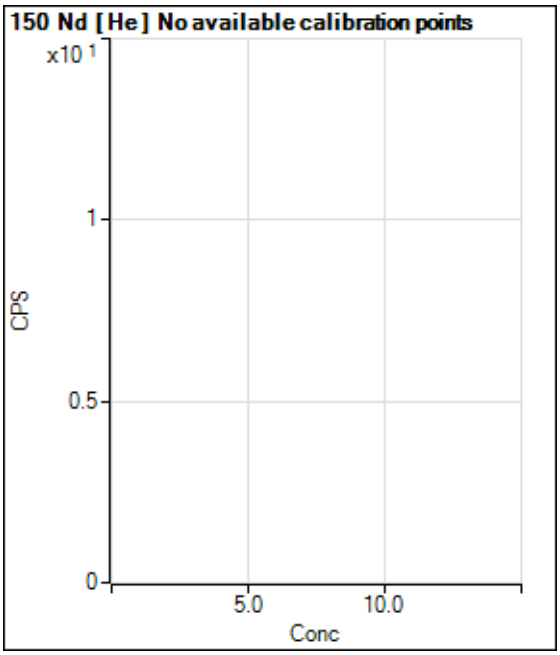
y = 3.6156E-004 * x + 2.5244E-005
R = 1.0000
DL = 0.01292
BEC = 0.06982

Weight: <None>
Min Conc: 0

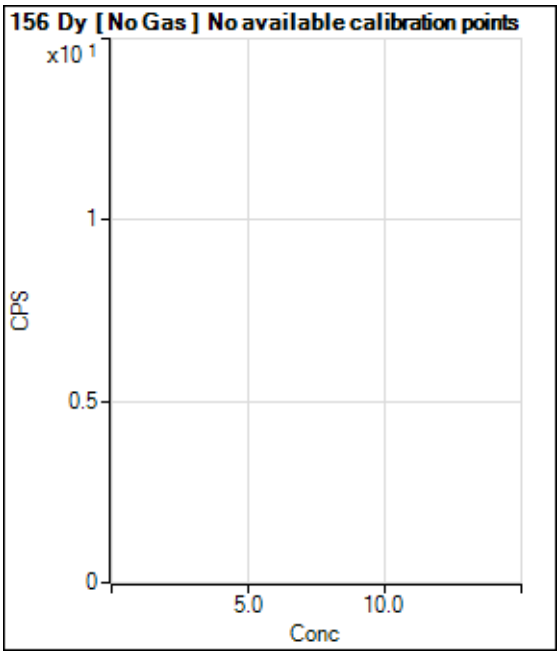


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			8.89		P	78.1
2	☐			17.78		P	28.6
3	☐			75.56		P	22.2
4	☐			122.23		P	1.6
5	☐			238.89		P	13.4
6	☐			437.79		P	1.6
7	☐			863.37		P	2.0
8	☐			194.45		P	13.1

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

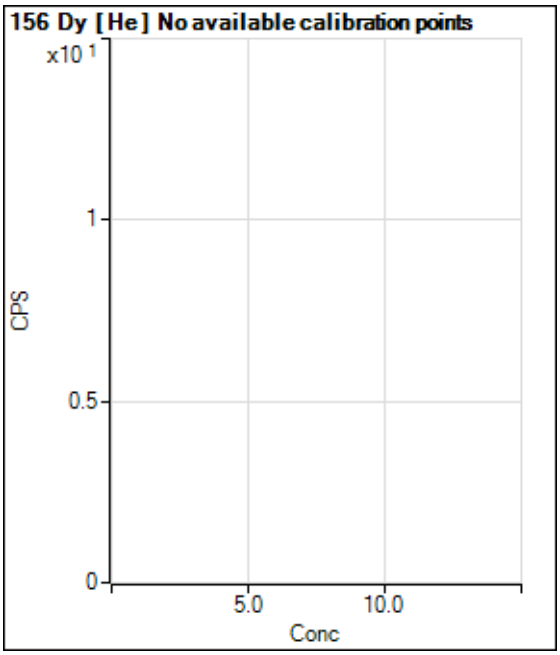


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			1.11		P	173.
2	☐			0.00		P	
3	☐			2.22		P	173.
4	☐			6.67		P	0.0
5	☐			8.89		P	57.3
6	☐			25.56		P	45.8
7	☐			44.45		P	15.6
8	☐			43.33		P	53.3

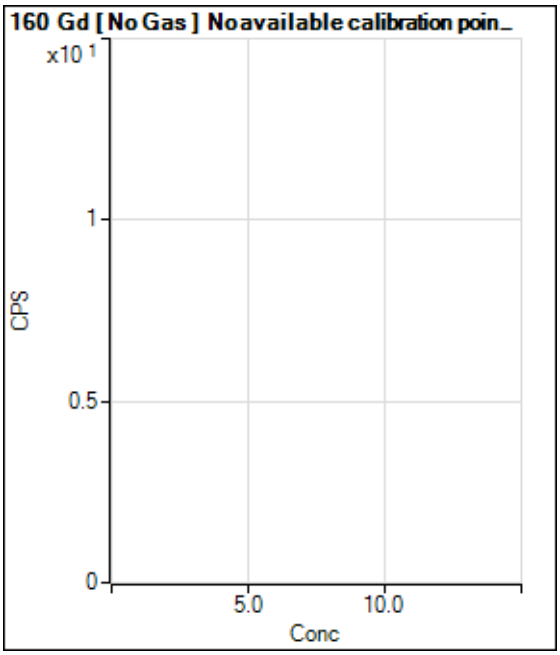


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			124.45		P	7.7
2	☐			107.78		P	21.1
3	☐			102.22		P	19.9
4	☐			110.00		P	12.1
5	☐			117.78		P	19.3
6	☐			152.23		P	12.1
7	☐			272.23		P	15.9
8	☐			292.23		P	6.3

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

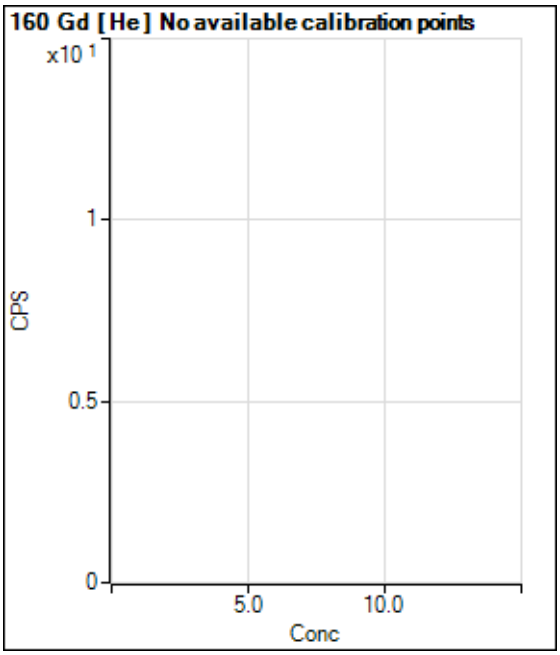


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			3.33		P	100.
2	☐			4.44		P	43.4
3	☐			1.11		P	173.
4	☐			11.11		P	75.5
5	☐			10.00		P	88.2
6	☐			8.89		P	78.1
7	☐			45.55		P	36.8
8	☐			80.00		P	50.7

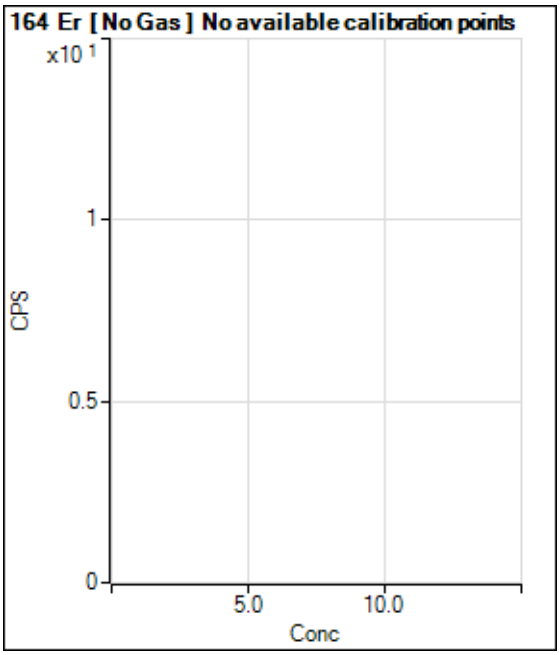


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			17.78		P	57.3
2	☐			30.00		P	11.1
3	☐			28.89		P	13.3
4	☐			45.55		P	29.6
5	☐			47.78		P	35.8
6	☐			86.67		P	27.7
7	☐			148.89		P	9.0
8	☐			237.78		P	7.7

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

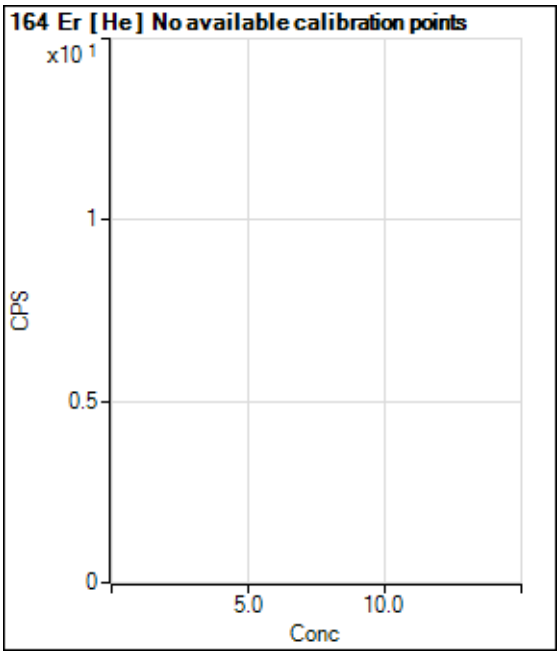


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			6.67		P	132.
2	☐			7.78		P	49.5
3	☐			8.89		P	78.1
4	☐			14.44		P	58.1
5	☐			13.33		P	66.2
6	☐			26.67		P	54.5
7	☐			36.67		P	24.0
8	☐			74.44		P	24.7

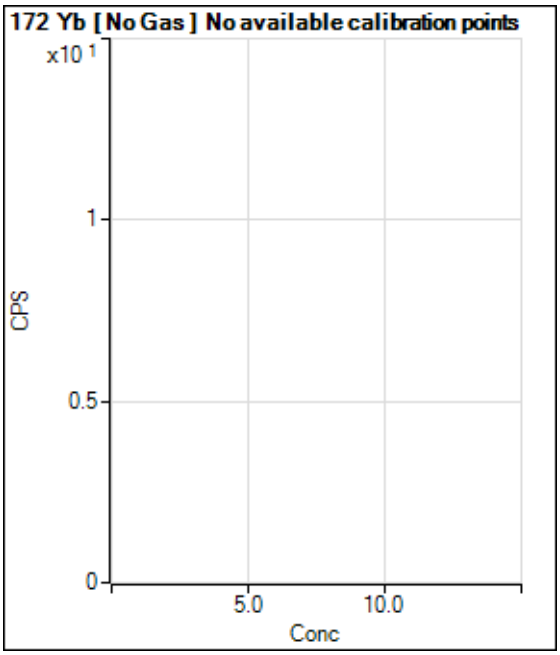


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			36.67		P	32.8
2	☐			32.22		P	12.0
3	☐			47.78		P	21.3
4	☐			48.89		P	14.2
5	☐			87.78		P	26.9
6	☐			130.00		P	22.4
7	☐			178.89		P	5.7
8	☐			278.90		P	0.7

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

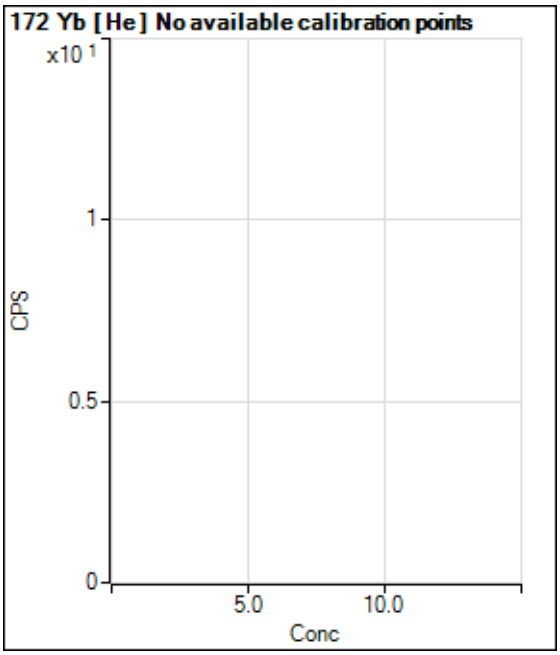


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			17.78		P	10.8
2	☐			25.56		P	74.2
3	☐			13.33		P	66.1
4	☐			16.67		P	72.1
5	☐			34.45		P	31.1
6	☐			27.78		P	18.3
7	☐			60.00		P	30.9
8	☐			94.45		P	17.8

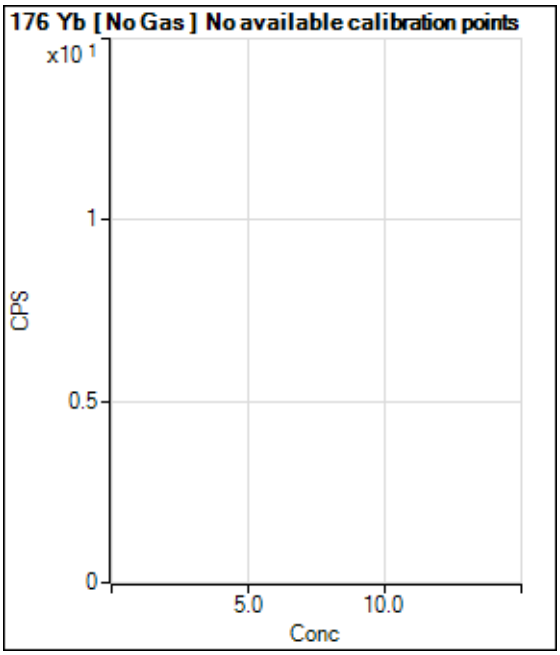


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			46.67		P	42.9
2	☐			42.22		P	24.1
3	☐			46.67		P	24.7
4	☐			68.89		P	10.1
5	☐			95.56		P	29.7
6	☐			107.78		P	10.9
7	☐			175.56		P	2.2
8	☐			328.90		P	15.5

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

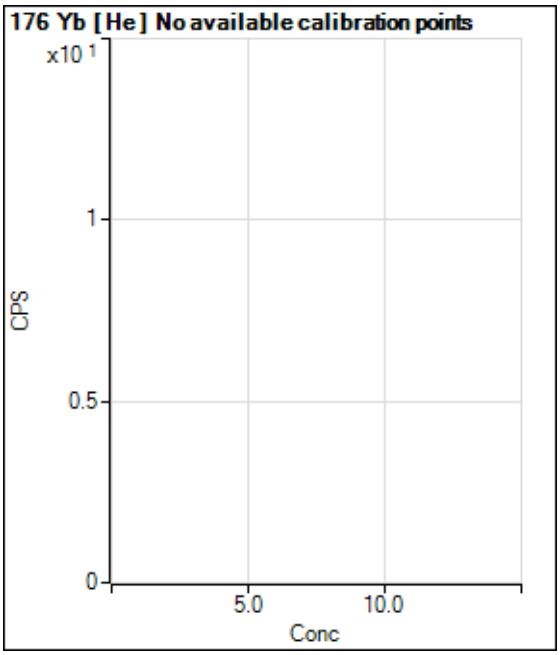


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			17.78		P	71.0
2	☐			17.78		P	71.0
3	☐			21.11		P	39.7
4	☐			22.22		P	45.8
5	☐			41.11		P	24.8
6	☐			48.89		P	25.8
7	☐			80.00		P	33.3
8	☐			123.34		P	23.1

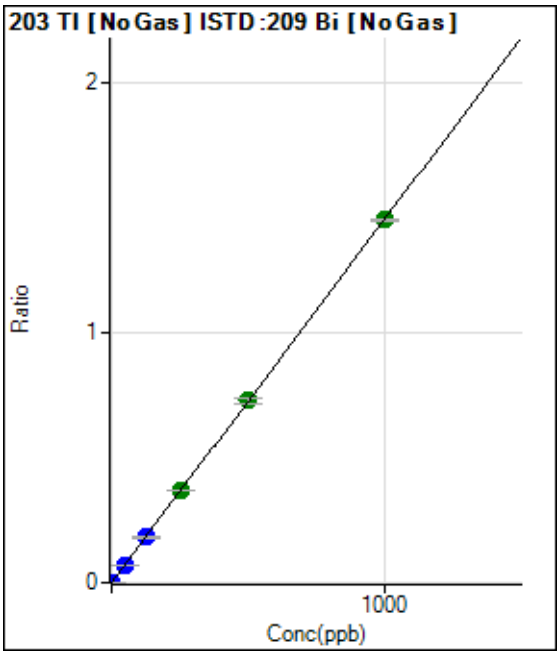


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			1105.61		P	5.9
2	☐			1124.50		P	2.1
3	☐			2768.10		P	3.2
4	☐			5004.33		P	2.6
5	☐			9120.99		P	2.5
6	☐			17206.83		P	2.0
7	☐			32883.08		P	0.8
8	☐			1187.85		P	3.5

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			186.67		P	10.7
2	☐			197.78		P	6.8
3	☐			680.03		P	5.9
4	☐			1564.56		P	1.7
5	☐			3009.27		P	4.1
6	☐			5682.39		P	1.5
7	☐			11671.92		P	1.9
8	☐			214.45		P	10.0

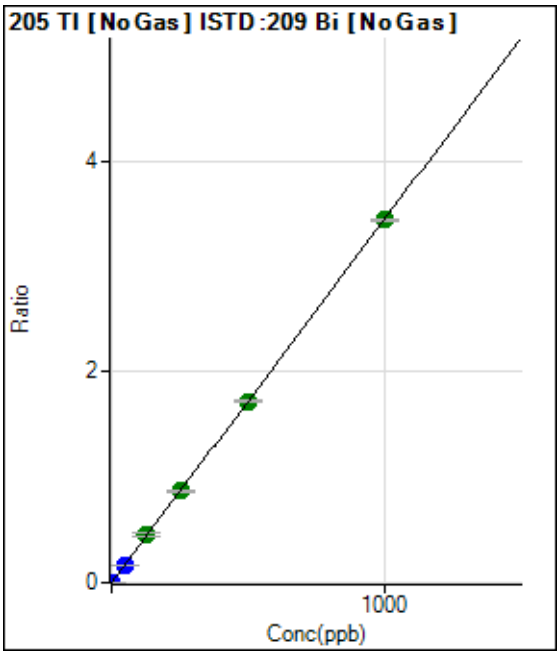


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	153.34	0.0000	P	14.5
2	☐	1.000	0.966	7407.73	0.0014	P	3.0
3	☐	50.000	47.195	354594.92	0.0686	P	0.3
4	☐	125.000	125.821	896150.34	0.1829	P	5.0
5	☐	250.000	253.124	1892017.77	0.3680	A	1.3
6	☐	500.000	500.847	3704702.93	0.7281	A	2.4
7	☐	1000.000	998.833	7198081.84	1.4519	A	0.8
8	☐			816.71	0.0002	P	28.1

y = 0.0015 * x + 2.9455E-005
R = 1.0000
DL = 0.008807
BEC = 0.02026

Weight: <None>
Min Conc: 0

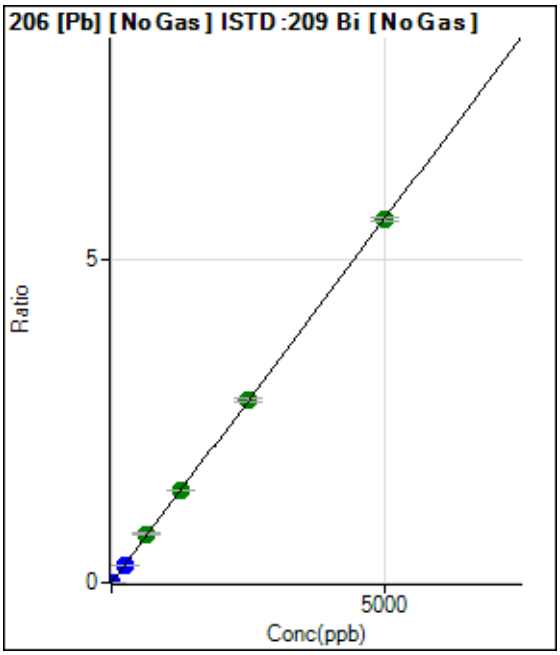
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	370.01	0.0001	P	6.3
2	☐	1.000	0.980	17811.23	0.0034	P	2.3
3	☐	50.000	48.113	856609.47	0.1658	P	0.3
4	☐	125.000	132.803	2240767.23	0.4575	A	5.8
5	☐	250.000	252.566	4473426.56	0.8700	A	1.1
6	☐	500.000	500.046	8764667.51	1.7225	A	2.0
7	☐	1000.000	998.455	17049770.72	3.4392	A	0.2
8	☐			1794.60	0.0005	P	26.8

y = 0.0034 * x + 7.1037E-005
R = 1.0000
DL = 0.003877
BEC = 0.02062

Weight: <None>
Min Conc: 0

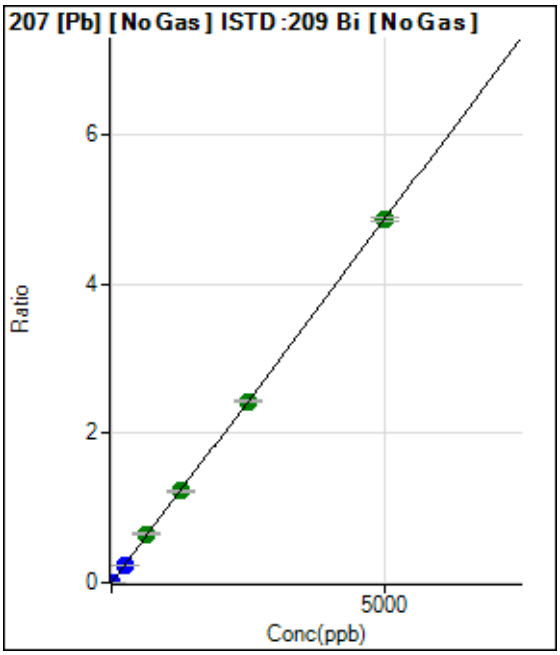


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	627.80	0.0001	P	2.6
2	☐	1.000	0.990	6373.85	0.0012	P	2.6
3	☐	250.000	240.915	1400486.11	0.2711	P	0.3
4	☐	625.000	665.994	3669616.85	0.7491	A	5.3
5	☐	1250.000	1268.311	7334505.66	1.4265	A	1.8
6	☐	2500.000	2508.221	14354404.79	2.8210	A	2.0
7	☐	5000.000	4986.642	27804597.92	5.6083	A	1.2
8	☐			4079.59	0.0010	P	13.3

y = 0.0011 * x + 1.2050E-004
R = 1.0000
DL = 0.008493
BEC = 0.1071

Weight: <None>
Min Conc: 0

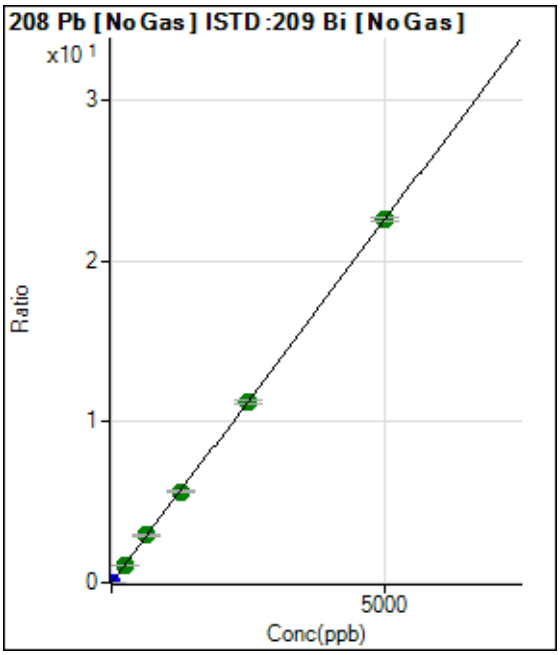
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	542.24	0.0001	P	12.8
2	☐	1.000	1.041	5770.24	0.0011	P	3.1
3	☐	250.000	242.334	1219287.54	0.2360	P	0.4
4	☐	625.000	668.555	3188832.35	0.6509	A	5.0
5	☐	1250.000	1258.427	6298924.49	1.2251	A	1.7
6	☐	2500.000	2498.636	12377092.18	2.4323	A	1.7
7	☐	5000.000	4993.514	24099260.19	4.8609	A	1.1
8	☐			3443.83	0.0009	P	11.8

y = 9.7343E-004 * x + 1.0396E-004
R = 1.0000
DL = 0.04114
BEC = 0.1068

Weight: <None>
Min Conc: 0

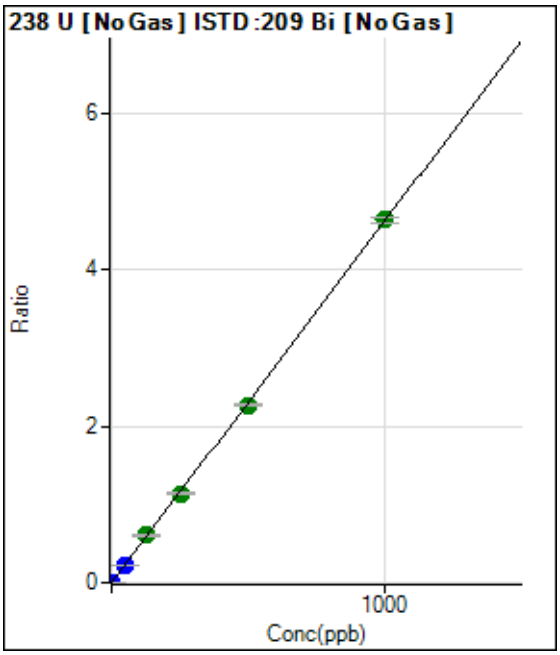


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2370.11	0.0005	P	4.1
2	☐	1.000	1.000	25653.44	0.0050	P	2.1
3	☐	250.000	248.278	5786113.85	1.1199	A	0.4
4	☐	625.000	658.689	14553581.45	2.9704	A	4.8
5	☐	1250.000	1248.965	28957454.64	5.6319	A	1.8
6	☐	2500.000	2491.721	57172271.23	11.2354	A	1.6
7	☐	5000.000	5000.273	111779504.4	22.5463	A	1.2
8	☐			16121.97	0.0041	P	13.2

y = 0.0045 * x + 4.5486E-004
R = 1.0000
DL = 0.0123
BEC = 0.1009

Weight: <None>
Min Conc: 0

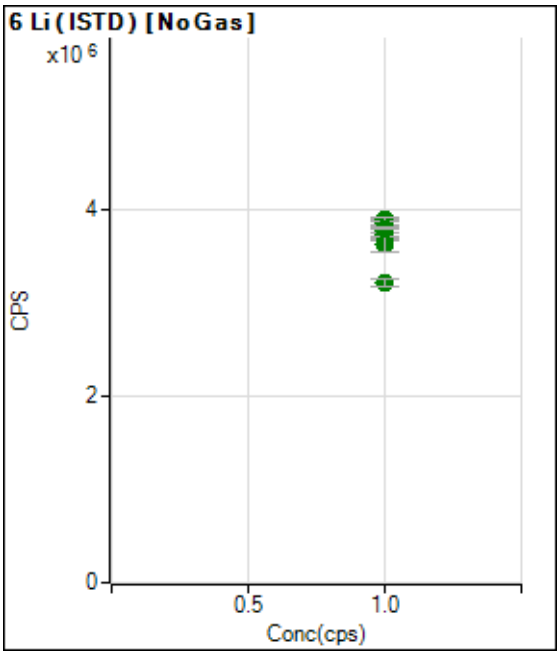
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	67.78	0.0000	P	28.6
2	☐	1.000	0.985	23563.03	0.0046	P	1.6
3	☐	50.000	46.571	1110830.18	0.2150	P	0.4
4	☐	125.000	131.424	2973256.45	0.6067	A	4.2
5	☐	250.000	246.511	5851152.13	1.1380	A	2.5
6	☐	500.000	491.932	11556543.86	2.2710	A	1.4
7	☐	1000.000	1004.275	22985695.21	4.6363	A	1.3
8	☐			1599.02	0.0004	P	27.0

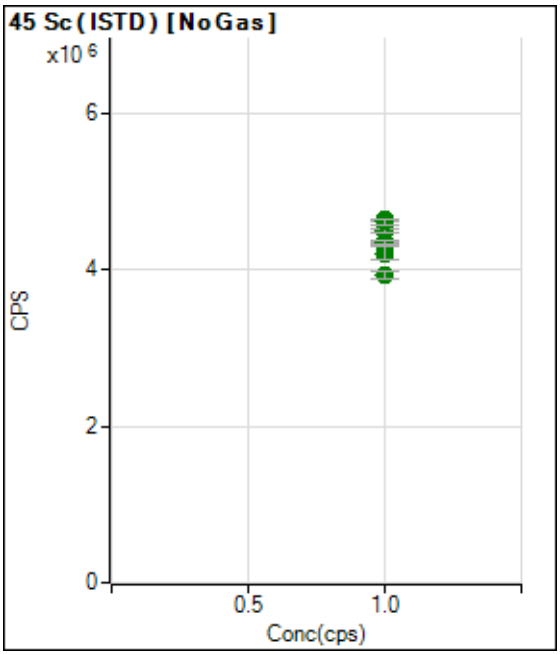
y = 0.0046 * x + 1.3013E-005
R = 0.9999
DL = 0.002417
BEC = 0.002819

Weight: <None>
Min Conc: 0

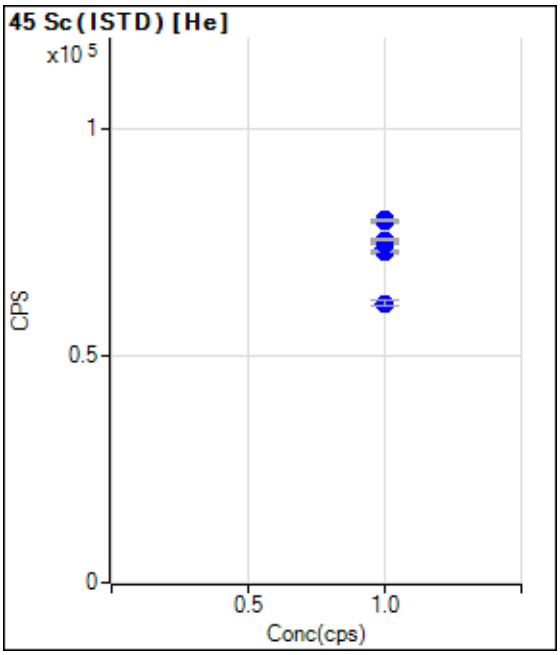


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3772479.88		A	1.2
2	☐	1.000		3688514.93		A	0.5
3	☐	1.000		3742692.35		A	1.2
4	☐	1.000		3629026.85		A	4.5
5	☐	1.000		3867420.85		A	1.2
6	☐	1.000		3893344.54		A	1.1
7	☐	1.000		3800973.69		A	0.6
8	☐	1.000		3221809.08		A	2.6

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

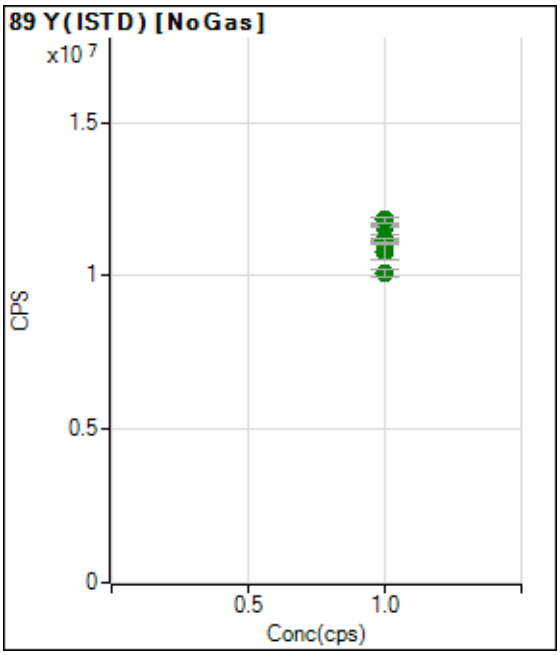


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4352177.85		A	0.9
2	☐	1.000		4313657.26		A	0.5
3	☐	1.000		4348828.31		A	1.1
4	☐	1.000		4206244.94		A	4.1
5	☐	1.000		4491921.49		A	0.6
6	☐	1.000		4630350.56		A	0.8
7	☐	1.000		4609377.92		A	1.8
8	☐	1.000		3924853.69		A	2.5

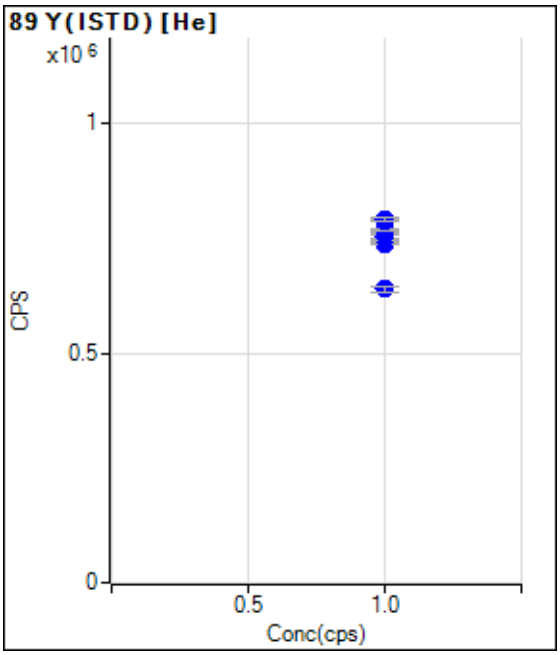


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		72996.10		P	0.3
2	☐	1.000		73895.44		P	3.4
3	☐	1.000		73339.21		P	0.4
4	☐	1.000		74796.49		P	0.1
5	☐	1.000		75658.88		P	0.7
6	☐	1.000		79608.58		P	0.3
7	☐	1.000		80082.34		P	0.5
8	☐	1.000		61642.63		P	1.8

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

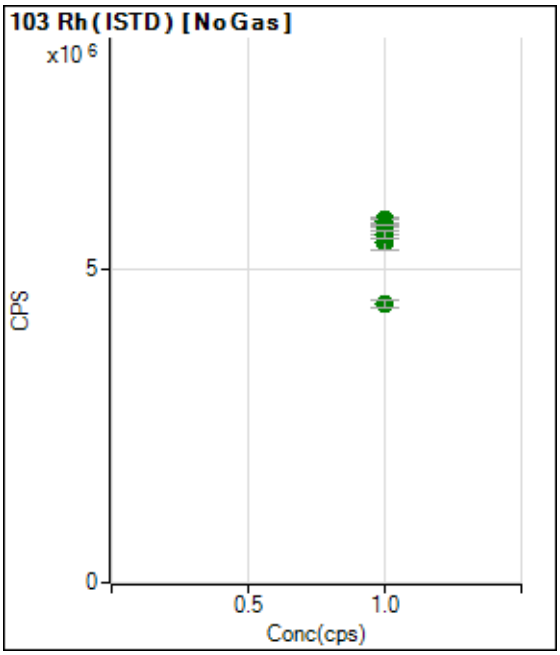


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		11230938.03		A	1.4
2	☐	1.000		11048091.09		A	0.7
3	☐	1.000		11167672.20		A	1.1
4	☐	1.000		10770662.76		A	4.5
5	☐	1.000		11618396.63		A	0.7
6	☐	1.000		11820552.60		A	1.5
7	☐	1.000		11820596.49		A	1.6
8	☐	1.000		10076434.43		A	2.6

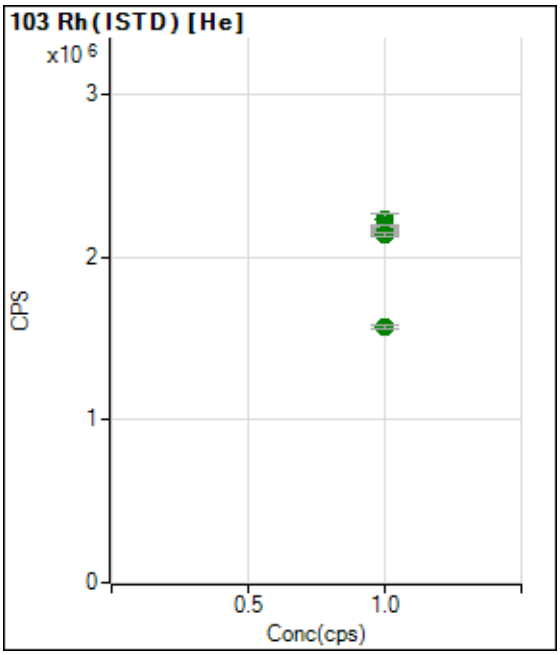


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		737952.03		P	0.5
2	☐	1.000		754225.35		P	2.6
3	☐	1.000		747353.74		P	0.6
4	☐	1.000		757997.35		P	0.4
5	☐	1.000		767782.78		P	0.6
6	☐	1.000		788030.29		P	0.4
7	☐	1.000		789583.37		P	1.0
8	☐	1.000		638422.81		P	2.0

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

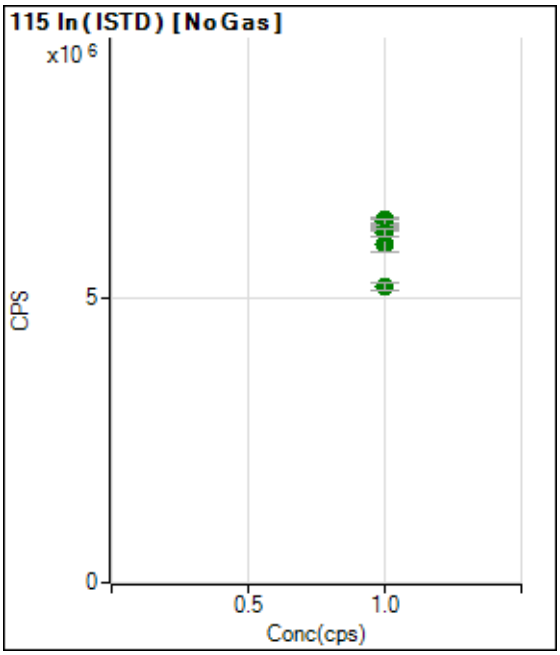


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5790255.95		A	1.5
2	☐	1.000		5706344.08		A	1.5
3	☐	1.000		5683780.26		A	0.7
4	☐	1.000		5433585.55		A	4.3
5	☐	1.000		5755179.15		A	1.1
6	☐	1.000		5712235.68		A	0.4
7	☐	1.000		5556646.72		A	2.4
8	☐	1.000		4462965.21		A	2.7

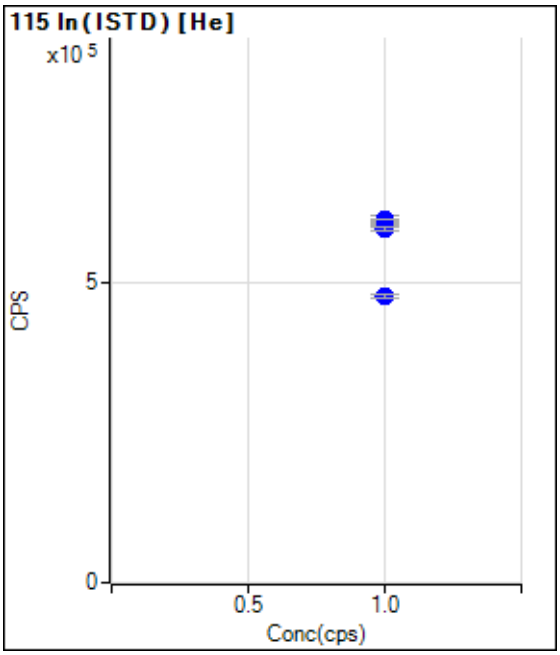


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2181844.71		A	0.2
2	☐	1.000		2229168.91		A	3.5
3	☐	1.000		2155449.55		A	1.1
4	☐	1.000		2154583.65		A	0.7
5	☐	1.000		2146096.36		A	0.7
6	☐	1.000		2192628.20		A	0.4
7	☐	1.000		2142782.52		A	1.0
8	☐	1.000		1570984.07		A	1.6

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

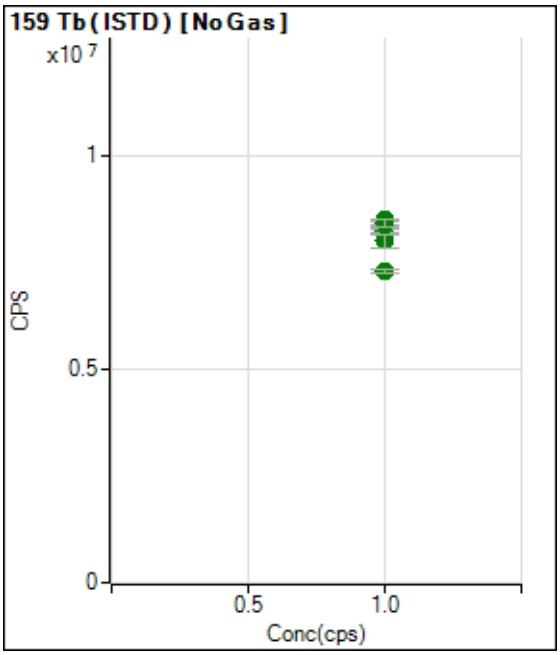


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6394873.35		A	1.3
2	☐	1.000		6256871.62		A	0.8
3	☐	1.000		6215550.71		A	0.9
4	☐	1.000		5964473.04		A	4.6
5	☐	1.000		6362491.98		A	1.8
6	☐	1.000		6364038.01		A	1.3
7	☐	1.000		6169710.95		A	2.2
8	☐	1.000		5223162.10		A	2.9

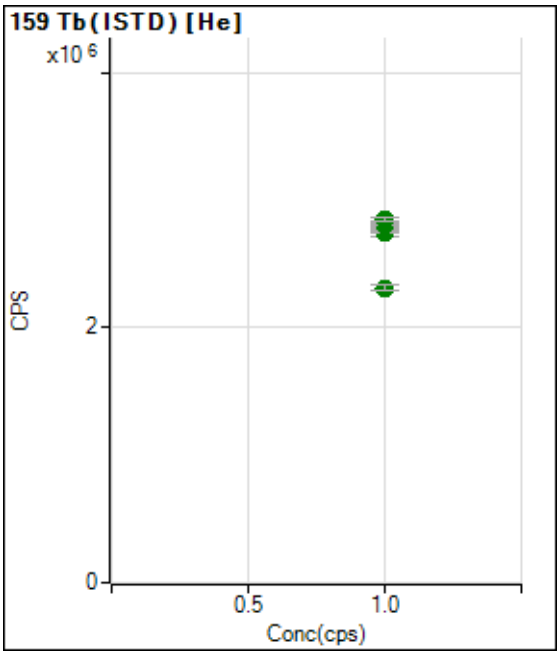


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		594285.56		P	0.7
2	☐	1.000		603461.00		P	2.9
3	☐	1.000		595744.56		P	0.2
4	☐	1.000		600553.44		P	0.5
5	☐	1.000		600911.48		P	0.4
6	☐	1.000		605516.04		P	0.1
7	☐	1.000		590251.18		P	1.0
8	☐	1.000		478029.01		P	1.3

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

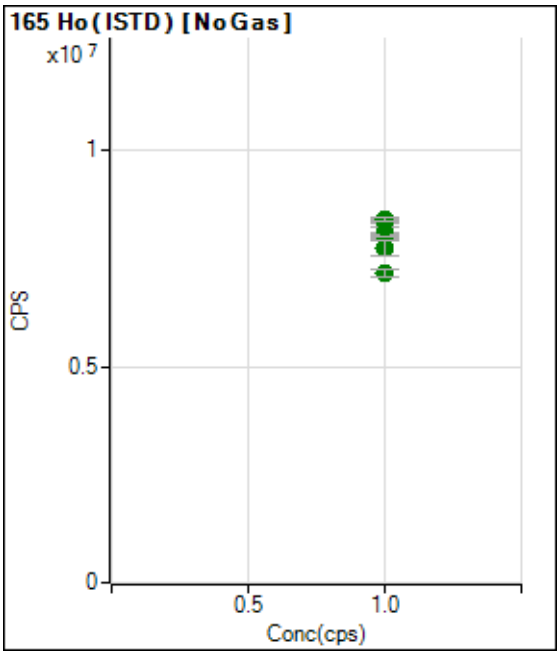


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		8189159.88		A	0.6
2	☐	1.000		8209419.81		A	0.3
3	☐	1.000		8239803.77		A	0.9
4	☐	1.000		8005405.51		A	3.7
5	☐	1.000		8419895.50		A	1.1
6	☐	1.000		8499672.44		A	0.6
7	☐	1.000		8431331.13		A	2.0
8	☐	1.000		7278777.04		A	1.2

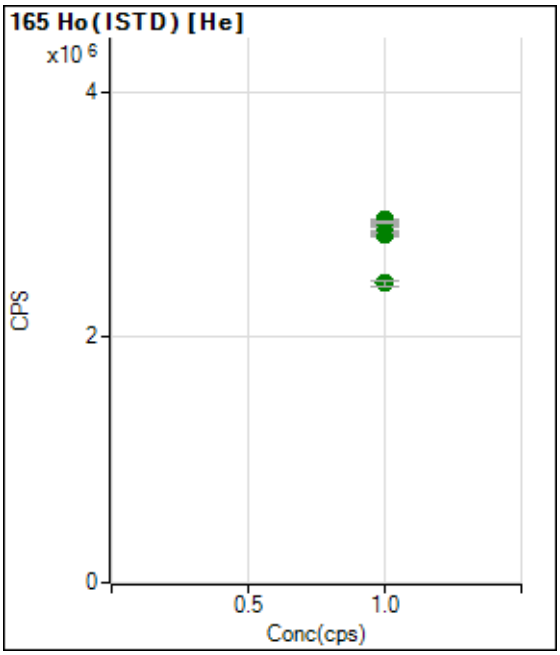


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2740909.85		A	1.3
2	☐	1.000		2799931.69		A	2.1
3	☐	1.000		2746810.24		A	0.3
4	☐	1.000		2752321.24		A	0.9
5	☐	1.000		2804506.07		A	0.8
6	☐	1.000		2817711.90		A	0.4
7	☐	1.000		2846216.17		A	1.2
8	☐	1.000		2311885.19		A	2.3

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

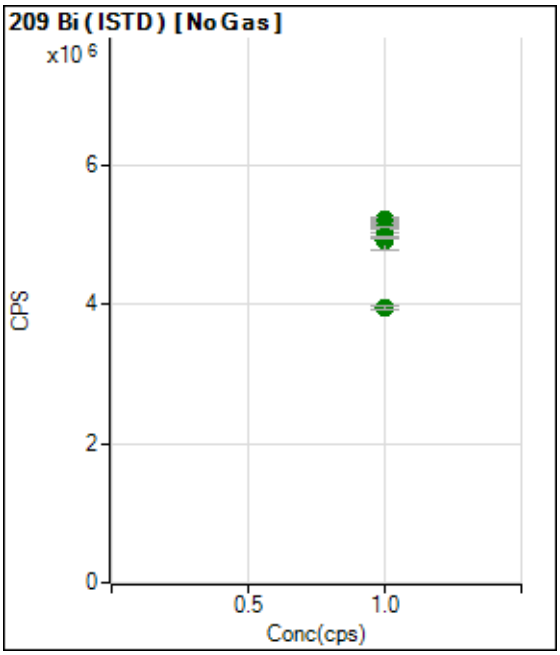


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		8055493.49		A	0.6
2	☐	1.000		7984508.70		A	1.2
3	☐	1.000		8032015.51		A	0.6
4	☐	1.000		7724977.45		A	4.9
5	☐	1.000		8222392.31		A	0.4
6	☐	1.000		8352889.39		A	0.8
7	☐	1.000		8388935.99		A	1.0
8	☐	1.000		7155904.41		A	3.0

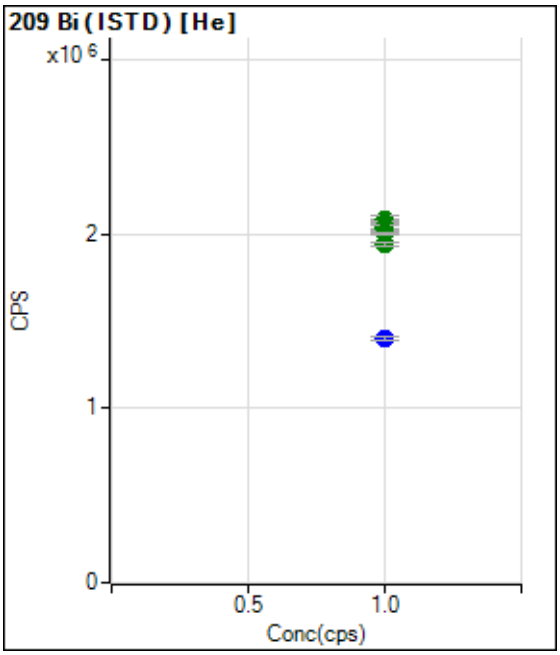


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2835398.09		A	1.6
2	☐	1.000		2897382.63		A	1.7
3	☐	1.000		2848051.14		A	0.7
4	☐	1.000		2857034.51		A	0.9
5	☐	1.000		2902148.36		A	0.1
6	☐	1.000		2956516.42		A	0.5
7	☐	1.000		2944195.89		A	0.4
8	☐	1.000		2437642.79		A	2.4

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5208215.30		A	1.8
2	☐	1.000		5167067.35		A	1.6
3	☐	1.000		5166611.24		A	0.8
4	☐	1.000		4907338.99		A	5.0
5	☐	1.000		5142017.60		A	0.7
6	☐	1.000		5088849.72		A	0.5
7	☐	1.000		4957509.96		A	0.7
8	☐	1.000		3955496.92		A	1.6



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2071261.45		A	0.8
2	☐	1.000		2080564.01		A	2.9
3	☐	1.000		2064451.27		A	0.7
4	☐	1.000		2040427.07		A	0.9
5	☐	1.000		2034093.53		A	1.4
6	☐	1.000		2004335.51		A	0.7
7	☐	1.000		1940386.41		A	0.7
8	☐	1.000		1399482.44		P	1.6

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8
ClientSampleId :TUNE002

US EPA Tune Check Report

Operator Name	Jaswal
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\P8013125 MS.b
Acq. Date-Time	2025-01-31 14:10:40
Report Comment	---
Instrument Name	G8403A SG19224459

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		13992	139919.42			0.529	5.000
24		120925	1209248.00			0.690	5.000
25		16145	161445.74			0.257	5.000
26		18695	186953.71			0.566	5.000
59		66034	660344.22			0.720	5.000
113		8080	80797.00			1.120	5.000
115		110951	1109510.84			0.869	5.000
206		25211	252112.98			0.388	5.000
207		21881	218810.37			0.518	5.000
208		53214	532143.81			0.538	5.000
220		0	1.00			100.000	

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	14115	13989	13983	13950	13922
24	121967	119897	121564	120691	120505
25	16174	16200	16132	16120	16097
26	18797	18698	18798	18557	18627
59	66414	66399	66308	65657	65394
113	8226	8076	8088	8003	8006
115	112103	111709	110593	109683	110667
206	25314	25155	25275	25241	25071
207	21993	21902	21901	21919	21690
208	53409	53236	53530	53104	52793

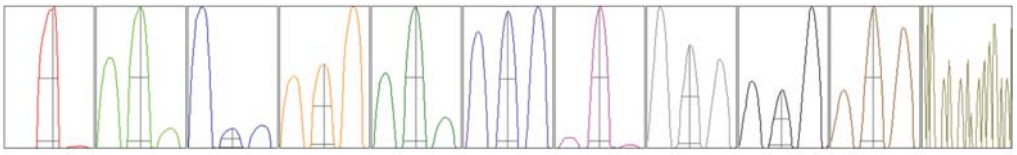
Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8
ClientSampleId :TUNE002

US EPA Tune Check Report

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
220	0	0	0	0	0

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	23834.81	9.15	8.90 - 9.10	Fail
24	203308.13	24.00	23.90 - 24.10	
25	27522.99	25.00	24.90 - 25.10	
26	31955.97	26.00	25.90 - 26.10	
59	120121.52	59.00	58.90 - 59.10	
113	15992.12	113.00	112.90 - 113.10	
115	215380.30	115.00	114.90 - 115.10	
206	49779.08	205.95	205.90 - 206.10	
207	42893.13	206.95	206.90 - 207.10	
208	104404.35	207.95	207.90 - 208.10	
220	0.00	219.95	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.62	0.738	0.900	
24	0.63	0.785	0.900	
25	0.62	0.781	0.900	
26	0.62	0.779	0.900	
59	0.58	0.774	0.900	
113	0.53	0.719	0.900	
115	0.54	0.726	0.900	
206	0.53	0.743	0.900	
207	0.53	0.774	0.900	
208	0.53	0.774	0.900	
220	0.18	0.175		

Integration Time [sec] 0.1
Acquisition Time [sec] 256.770000000002
Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.78 L/min Dilution Gas 0.40 L/min

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	-6.0 V	Omega Lens	7.6 V	Deflect	14.6 V
Extract 2	-110.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-60 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	4.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	160 V		

QP Parameters

Mass Gain	103	Axis Gain	0.9960	QP Bias	-4.0 V
Mass Offset	126	Axis Offset	0.05		

Hardware Settings

Torch

Torch H	-0.2 mm	Torch V	1.6 mm		

EM

Discriminator	4.1 mV	Analog HV	2179 V	Pulse HV	1073 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		11659	116593.27			0.656	
89		13132	131316.28			0.826	
205		14044	140443.45			0.718	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	11711	11732	11673	11645	11536
89	13185	13285	13117	13068	13003
205	13990	14119	14177	14005	13931

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.78 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	-6.0 V	Omega Lens	7.6 V	Deflect	1.8 V

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8
ClientSampleId :TUNE002

US EPA Tune Check Report

Extract 2	-110.0 V	Cell Entrance	-50 V	Plate Bias	-60 V
Omega Bias	-60 V	Cell Exit	-70 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	4.5 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	200 V		

QP Parameters

Mass Gain	103	Axis Gain	0.9960	QP Bias	-13.0 V
Mass Offset	126	Axis Offset	0.05		

Hardware Settings

Torch

Torch H	-0.2 mm	Torch V	1.6 mm		

EM

Discriminator	4.1 mV	Analog HV	2179 V	Pulse HV	1073 V

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:42:59	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.24	-0.36	0.60	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.02	-0.01	-0.01	0.00	N/A	ppb
Barium	135-1	0.00	-0.01	0.01	0.00	N/A	ppb
Barium	137-1	0.00	0.00	0.00	0.00	N/A	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Cadmium	108-1	-0.01	-0.03	0.04	0.00	N/A	ppb
Cadmium	106-1	0.33	0.05	-0.38	0.00	N/A	ppb
Cadmium	111-1	0.02	0.01	-0.03	0.00	N/A	ppb
Calcium	43-1	0.02	-0.44	0.42	0.00	N/A	ppb
Calcium	44-1	0.18	-0.19	0.01	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	-0.01	0.02	0.00	N/A	ppb
Cobalt	59-2	-0.01	0.01	0.00	0.00	N/A	ppb
Copper	63-2	-0.03	0.05	-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	54-2	-0.26	0.31	-0.05	0.00	N/A	ppb
Iron	56-2	-0.13	-0.13	0.26	0.00	N/A	ppb
Iron	57-2	-0.59	0.90	-0.31	0.00	N/A	ppb
Krypton	83-1						cps
Lead	206-1	0.00	0.00	0.00	0.00	N/A	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:42:59	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
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	0.75	-0.71	-0.04	0.00	N/A	ppb
Manganese	55-2	0.03	-0.01	-0.02	0.00	N/A	ppb
Molybdenum	94-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	96-1	0.00	0.00	0.01	0.00	N/A	ppb
Molybdenum	97-1	0.00	0.00	-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	-0.09	-0.01	0.10	0.00	N/A	ppb
Phosphorus	31-2	-17.47	-3.53	-11.74	-10.91		ppb
Potassium	39-2	1.39	-1.15	-0.24	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.25	-0.03	-0.23	0.00	N/A	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.38	0.77	-0.39	0.00	N/A	ppb
Silicon	28-1	0.00	0.00	0.00	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	-0.12	-1.85	1.97	0.00	N/A	ppb
Strontium	86-1	-0.44	0.50	-0.06	0.00	N/A	ppb
Strontium	88-1	0.05	-0.10	0.05	0.00	N/A	ppb
Sulfur	34-1	-97.46	-69.88	-20.78	-62.71		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	0.02	0.00	0.00	N/A	ppb
Titanium	47-1	0.00	0.00	0.01	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:42:59	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	-0.04	0.10	-0.07	0.00	N/A	ppb
Zirconium	90-1	0.00	-0.01	0.00	0.00	N/A	ppb
Zirconium	91-1	0.01	0.00	-0.01	0.00	N/A	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:46:22	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22.93	17.13	20.85	20.30	14.48	ppb
Antimony	121-1	2.10	2.01	2.03	2.05	2.16	ppb
Arsenic	75-2	1.22	1.02	1.32	1.18	12.89	ppb
Barium	135-1	10.51	10.08	9.99	10.19	2.72	ppb
Barium	137-1	10.30	10.42	10.42	10.38	0.64	ppb
Beryllium	9-1	1.10	1.10	1.06	1.09	1.84	ppb
Bismuth	209-1				99		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Cadmium	108-1	0.65	0.98	1.36	1.00	35.90	ppb
Cadmium	106-1	1.67	0.93	1.42	1.34	27.82	ppb
Cadmium	111-1	1.25	1.01	1.06	1.10	11.61	ppb
Calcium	43-1	542.24	545.18	543.95	543.79	0.27	ppb
Calcium	44-1	529.39	538.24	542.99	536.87	1.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.82	2.21	2.00	2.01	9.50	ppb
Cobalt	59-2	1.05	1.15	1.15	1.11	5.31	ppb
Copper	63-2	2.10	2.09	2.03	2.08	1.79	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				99		%
Holmium	165-2				102		%
Indium	115-1				98		%
Indium	115-2				102		%
Iron	54-2	54.07	57.25	49.88	53.73	6.89	ppb
Iron	56-2	52.47	55.62	52.76	53.61	3.25	ppb
Iron	57-2	51.17	52.26	53.20	52.21	1.94	ppb
Krypton	83-1						cps
Lead	206-1	0.98	0.97	1.02	0.99	2.84	ppb

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:46:22	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1.01	1.03	1.08	1.04	3.46	ppb
Lead	208-1	1.00	0.98	1.02	1.00	2.35	ppb
Lithium	6-1				98		%
Magnesium	24-2	518.84	536.14	516.47	523.82	2.05	ppb
Manganese	55-2	0.93	1.08	0.93	0.98	8.81	ppb
Molybdenum	94-1	6.25	6.32	6.17	6.25	1.20	ppb
Molybdenum	95-1	5.26	5.32	5.29	5.29	0.56	ppb
Molybdenum	96-1	5.30	5.22	5.34	5.29	1.13	ppb
Molybdenum	97-1	5.09	5.27	5.21	5.19	1.84	ppb
Molybdenum	98-1	5.15	5.13	5.25	5.18	1.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.16	1.09	1.22	1.16	5.53	ppb
Phosphorus	31-2	-2.34	14.74	20.34	10.91	108.28	ppb
Potassium	39-2	481.88	513.20	480.48	491.85	3.76	ppb
Rhodium	103-1				99		%
Rhodium	103-2				102		%
Scandium	45-1				99		%
Scandium	45-2				101		%
Selenium	82-1	5.90	6.75	6.75	6.47	7.56	ppb
Selenium	77-2	3.84	8.07	0.00	3.97	101.66	ppb
Selenium	78-2	7.43	4.35	3.56	5.11	40.06	ppb
Silicon	28-1	0.54	0.50	0.57	0.54	7.00	ppb
Silver	107-1	1.05	1.01	1.03	1.03	2.22	ppb
Silver	109-1	1.04	0.98	1.06	1.03	3.99	ppb
Sodium	23-2	492.79	520.10	499.57	504.15	2.82	ppb
Strontium	86-1	24.10	26.68	26.26	25.68	5.40	ppb
Strontium	88-1	24.48	25.13	25.31	24.97	1.75	ppb
Sulfur	34-1	74.92	15.37	97.84	62.71	67.89	ppb
Terbium	159-1				100		%
Terbium	159-2				102		%
Thallium	203-1	0.96	0.94	1.00	0.97	3.07	ppb
Thallium	205-1	0.96	0.98	1.00	0.98	2.31	ppb
Tin	118-1	5.04	5.18	5.26	5.16	2.13	ppb
Titanium	47-1	5.41	5.36	5.39	5.39	0.55	ppb
Uranium	238-1	0.98	0.97	1.00	0.99	1.58	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:46:22	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	5.16	5.16	4.98	5.10	2.07	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				102		%
Zinc	66-2	5.04	5.63	4.71	5.12	9.04	ppb
Zirconium	90-1	1.00	1.05	1.02	1.03	2.55	ppb
Zirconium	91-1	1.00	1.05	1.08	1.04	3.90	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:49:47	DataFile Name :	006CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	986.39	977.56	972.36	978.77	0.72	ppb
Antimony	121-1	49.39	48.97	49.34	49.24	0.47	ppb
Arsenic	75-2	50.96	48.81	49.01	49.59	2.41	ppb
Barium	135-1	242.61	241.27	244.07	242.65	0.58	ppb
Barium	137-1	247.49	245.42	246.89	246.60	0.43	ppb
Beryllium	9-1	51.44	50.94	50.62	51.00	0.81	ppb
Bismuth	209-1				99		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Cadmium	108-1	53.58	52.49	55.91	53.99	3.24	ppb
Cadmium	106-1	53.45	52.57	53.30	53.11	0.88	ppb
Cadmium	111-1	51.16	50.16	50.86	50.73	1.02	ppb
Calcium	43-1	5067.62	5069.18	5027.10	5054.63	0.47	ppb
Calcium	44-1	5183.19	5238.66	5141.51	5187.79	0.94	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	49.70	49.78	50.05	49.84	0.37	ppb
Cobalt	59-2	51.67	51.63	51.20	51.50	0.50	ppb
Copper	63-2	525.64	526.28	523.46	525.12	0.28	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				97		%
Indium	115-2				100		%
Iron	54-2	2556.39	2577.56	2580.84	2571.60	0.52	ppb
Iron	56-2	2604.50	2627.89	2618.00	2616.80	0.45	ppb
Iron	57-2	2531.14	2536.76	2507.71	2525.20	0.61	ppb
Krypton	83-1						cps
Lead	206-1	240.31	241.75	240.69	240.92	0.31	ppb

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:49:47	DataFile Name :	006CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	243.29	242.48	241.23	242.33	0.43	ppb
Lead	208-1	248.86	248.72	247.26	248.28	0.36	ppb
Lithium	6-1				99		%
Magnesium	24-2	5094.84	5056.19	5042.42	5064.48	0.54	ppb
Manganese	55-2	501.40	505.07	497.19	501.22	0.79	ppb
Molybdenum	94-1	499.20	498.78	494.91	497.63	0.48	ppb
Molybdenum	95-1	527.31	525.03	516.57	522.97	1.08	ppb
Molybdenum	96-1	524.57	516.51	505.16	515.42	1.89	ppb
Molybdenum	97-1	502.22	500.02	492.30	498.18	1.05	ppb
Molybdenum	98-1	531.37	519.56	512.33	521.09	1.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	54.31	54.90	55.28	54.83	0.89	ppb
Phosphorus	31-2	1015.19	931.37	1059.26	1001.94	6.48	ppb
Potassium	39-2	2370.77	2384.92	2367.38	2374.36	0.39	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	51.17	52.73	53.58	52.49	2.33	ppb
Selenium	77-2	41.52	53.07	45.77	46.78	12.48	ppb
Selenium	78-2	42.43	48.50	53.20	48.04	11.24	ppb
Silicon	28-1	53.25	53.16	52.34	52.92	0.94	ppb
Silver	107-1	50.97	50.43	51.69	51.03	1.24	ppb
Silver	109-1	51.33	50.76	51.72	51.27	0.95	ppb
Sodium	23-2	5016.49	5036.81	4979.42	5010.91	0.58	ppb
Strontium	86-1	1254.31	1228.96	1232.04	1238.44	1.12	ppb
Strontium	88-1	1250.88	1243.85	1235.64	1243.45	0.61	ppb
Sulfur	34-1	986.41	962.27	896.55	948.41	4.90	ppb
Terbium	159-1				101		%
Terbium	159-2				100		%
Thallium	203-1	47.15	47.33	47.10	47.20	0.25	ppb
Thallium	205-1	48.00	48.07	48.27	48.11	0.30	ppb
Tin	118-1	49.56	49.20	49.75	49.50	0.57	ppb
Titanium	47-1	495.13	498.01	494.91	496.02	0.35	ppb
Uranium	238-1	46.81	46.50	46.41	46.57	0.45	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:49:47	DataFile Name :	006CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	50.05	50.59	50.48	50.37	0.57	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				101		%
Zinc	66-2	519.18	525.36	524.16	522.90	0.63	ppb
Zirconium	90-1	49.14	49.18	48.45	48.92	0.84	ppb
Zirconium	91-1	49.71	49.38	48.35	49.14	1.45	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:53:03	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2443.62	2430.97	2444.95	2439.85	0.32	ppb
Antimony	121-1	130.97	127.42	122.58	126.99	3.32	ppb
Arsenic	75-2	127.97	123.59	126.14	125.90	1.75	ppb
Barium	135-1	649.08	626.20	608.21	627.83	3.26	ppb
Barium	137-1	680.77	662.18	641.12	661.35	3.00	ppb
Beryllium	9-1	138.42	130.33	126.25	131.67	4.71	ppb
Bismuth	209-1				94		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	142.17	137.76	131.47	137.13	3.92	ppb
Cadmium	106-1	138.24	135.12	130.66	134.67	2.83	ppb
Cadmium	111-1	135.36	131.77	125.76	130.96	3.70	ppb
Calcium	43-1	13641.15	12992.30	12696.75	13110.07	3.68	ppb
Calcium	44-1	13963.97	13136.62	12859.09	13319.90	4.32	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	122.57	123.94	124.37	123.63	0.76	ppb
Cobalt	59-2	126.51	126.25	127.20	126.65	0.39	ppb
Copper	63-2	1345.16	1368.39	1344.63	1352.73	1.00	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				101		%
Indium	115-1				93		%
Indium	115-2				101		%
Iron	54-2	6378.92	6311.37	6381.20	6357.16	0.62	ppb
Iron	56-2	6524.57	6395.00	6437.83	6452.47	1.02	ppb
Iron	57-2	6243.72	6167.69	6259.80	6223.74	0.79	ppb
Krypton	83-1						cps
Lead	206-1	701.61	665.63	630.75	665.99	5.32	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:53:03	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	704.75	662.17	638.74	668.55	5.01	ppb
Lead	208-1	693.41	651.76	630.89	658.69	4.83	ppb
Lithium	6-1				96		%
Magnesium	24-2	12993.98	12972.35	13195.43	13053.92	0.94	ppb
Manganese	55-2	1247.05	1242.96	1244.26	1244.76	0.17	ppb
Molybdenum	94-1	1387.28	1345.16	1291.22	1341.22	3.59	ppb
Molybdenum	95-1	1410.45	1354.71	1305.94	1357.03	3.85	ppb
Molybdenum	96-1	1407.45	1338.94	1283.73	1343.37	4.61	ppb
Molybdenum	97-1	1440.09	1343.03	1302.27	1361.80	5.20	ppb
Molybdenum	98-1	1407.80	1338.78	1290.17	1345.58	4.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	134.42	134.28	132.56	133.76	0.77	ppb
Phosphorus	31-2	2478.09	2472.65	2599.07	2516.60	2.84	ppb
Potassium	39-2	5927.67	5881.24	5938.94	5915.95	0.52	ppb
Rhodium	103-1				94		%
Rhodium	103-2				99		%
Scandium	45-1				97		%
Scandium	45-2				102		%
Selenium	82-1	144.37	133.81	134.95	137.71	4.21	ppb
Selenium	77-2	144.86	126.14	138.51	136.50	6.97	ppb
Selenium	78-2	123.38	117.75	123.52	121.55	2.71	ppb
Silicon	28-1	144.20	135.91	133.34	137.82	4.12	ppb
Silver	107-1	135.22	131.30	126.95	131.16	3.15	ppb
Silver	109-1	134.66	132.59	127.49	131.58	2.81	ppb
Sodium	23-2	12716.17	12909.49	12809.35	12811.67	0.75	ppb
Strontium	86-1	3369.51	3236.92	3129.24	3245.22	3.71	ppb
Strontium	88-1	3572.29	3333.90	3235.71	3380.63	5.12	ppb
Sulfur	34-1	3113.20	2681.62	2528.49	2774.44	10.93	ppb
Terbium	159-1				98		%
Terbium	159-2				100		%
Thallium	203-1	132.15	125.78	119.53	125.82	5.01	ppb
Thallium	205-1	140.84	132.03	125.53	132.80	5.79	ppb
Tin	118-1	132.99	129.21	124.61	128.93	3.26	ppb
Titanium	47-1	1419.68	1330.98	1290.97	1347.21	4.89	ppb
Uranium	238-1	136.57	132.13	125.57	131.42	4.21	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:53:03	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	126.48	125.89	127.20	126.53	0.52	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				96		%
Yttrium	89-2				103		%
Zinc	66-2	1290.68	1294.82	1299.52	1295.01	0.34	ppb
Zirconium	90-1	139.09	131.61	128.96	133.22	3.94	ppb
Zirconium	91-1	134.44	127.60	123.36	128.47	4.35	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:56:10	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4923.17	4869.49	4832.44	4875.03	0.94	ppb
Antimony	121-1	253.37	253.18	260.39	255.65	1.61	ppb
Arsenic	75-2	250.77	253.40	246.36	250.18	1.42	ppb
Barium	135-1	1257.58	1272.60	1299.89	1276.69	1.68	ppb
Barium	137-1	1236.24	1281.55	1296.58	1271.45	2.47	ppb
Beryllium	9-1	240.22	248.31	250.38	246.30	2.18	ppb
Bismuth	209-1				99		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Cadmium	108-1	252.65	259.32	266.59	259.52	2.69	ppb
Cadmium	106-1	251.20	257.31	270.25	259.59	3.75	ppb
Cadmium	111-1	243.41	250.90	255.91	250.07	2.52	ppb
Calcium	43-1	24346.04	25179.96	24881.24	24802.42	1.70	ppb
Calcium	44-1	24717.40	25622.69	25536.03	25292.04	1.98	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	249.82	251.38	247.79	249.66	0.72	ppb
Cobalt	59-2	253.25	259.38	253.81	255.48	1.33	ppb
Copper	63-2	2690.15	2739.69	2668.37	2699.40	1.35	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				102		%
Holmium	165-2				102		%
Indium	115-1				99		%
Indium	115-2				101		%
Iron	54-2	12670.58	12778.89	12731.36	12726.94	0.43	ppb
Iron	56-2	12980.33	12841.64	12887.02	12902.99	0.55	ppb
Iron	57-2	12441.23	12524.85	12399.25	12455.11	0.51	ppb
Krypton	83-1						cps
Lead	206-1	1241.30	1280.11	1283.52	1268.31	1.85	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:56:10	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1233.43	1269.11	1272.74	1258.43	1.73	ppb
Lead	208-1	1224.15	1265.79	1256.96	1248.97	1.76	ppb
Lithium	6-1				103		%
Magnesium	24-2	26251.73	26324.68	26103.67	26226.69	0.43	ppb
Manganese	55-2	2643.28	2703.45	2574.54	2640.42	2.44	ppb
Molybdenum	94-1	2493.41	2544.25	2558.62	2532.09	1.35	ppb
Molybdenum	95-1	2488.00	2552.62	2561.80	2534.14	1.59	ppb
Molybdenum	96-1	2474.63	2551.67	2536.53	2520.94	1.62	ppb
Molybdenum	97-1	2481.78	2572.79	2570.93	2541.83	2.05	ppb
Molybdenum	98-1	2493.57	2538.54	2579.70	2537.27	1.70	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	267.27	269.46	265.77	267.50	0.69	ppb
Phosphorus	31-2	5132.65	5208.72	5109.04	5150.14	1.01	ppb
Potassium	39-2	12012.52	11993.82	11935.98	11980.77	0.33	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				103		%
Scandium	45-2				104		%
Selenium	82-1	247.33	256.10	260.87	254.77	2.70	ppb
Selenium	77-2	263.57	269.32	244.90	259.26	4.92	ppb
Selenium	78-2	263.17	238.95	268.99	257.04	6.20	ppb
Silicon	28-1	256.08	263.25	258.59	259.31	1.40	ppb
Silver	107-1	256.00	265.05	273.06	264.70	3.22	ppb
Silver	109-1	259.17	263.10	266.99	263.09	1.49	ppb
Sodium	23-2	25877.33	26027.38	25895.64	25933.45	0.32	ppb
Strontium	86-1	5979.42	6116.08	6183.76	6093.09	1.71	ppb
Strontium	88-1	6214.91	6341.95	6350.00	6302.28	1.20	ppb
Sulfur	34-1	4836.09	5044.64	5004.56	4961.77	2.23	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	249.70	256.34	253.33	253.12	1.31	ppb
Thallium	205-1	249.45	253.80	254.45	252.57	1.08	ppb
Tin	118-1	241.66	245.26	251.84	246.25	2.10	ppb
Titanium	47-1	2531.06	2584.06	2570.42	2561.85	1.07	ppb
Uranium	238-1	239.37	250.77	249.39	246.51	2.53	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:56:10	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	256.78	259.96	254.08	256.94	1.15	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-2	2573.10	2617.26	2561.67	2584.01	1.14	ppb
Zirconium	90-1	246.13	254.96	256.74	252.61	2.25	ppb
Zirconium	91-1	237.72	243.49	246.22	242.48	1.79	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:59:09	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9365.70	9220.90	9439.26	9341.95	1.19	ppb
Antimony	121-1	497.31	505.04	519.53	507.29	2.22	ppb
Arsenic	75-2	501.32	498.24	494.38	497.98	0.70	ppb
Barium	135-1	2494.45	2510.42	2510.99	2505.29	0.37	ppb
Barium	137-1	2467.90	2470.82	2524.55	2487.76	1.28	ppb
Beryllium	9-1	485.39	510.45	528.02	507.96	4.22	ppb
Bismuth	209-1				98		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	503.37	514.67	516.72	511.59	1.41	ppb
Cadmium	106-1	495.00	515.11	522.58	510.90	2.79	ppb
Cadmium	111-1	476.94	485.49	500.72	487.71	2.47	ppb
Calcium	43-1	48532.86	50167.89	50928.73	49876.49	2.45	ppb
Calcium	44-1	48566.21	50152.13	49817.68	49512.01	1.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	478.24	477.74	481.16	479.05	0.39	ppb
Cobalt	59-2	485.04	482.10	488.45	485.19	0.66	ppb
Copper	63-2	5020.63	4999.44	5043.12	5021.06	0.43	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				104		%
Indium	115-1				100		%
Indium	115-2				102		%
Iron	54-2	25489.90	25240.27	25799.83	25510.00	1.10	ppb
Iron	56-2	24577.78	24471.24	24806.35	24618.46	0.70	ppb
Iron	57-2	23875.83	23709.49	23974.10	23853.14	0.56	ppb
Krypton	83-1						cps
Lead	206-1	2450.37	2532.15	2542.14	2508.22	2.01	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:59:09	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2450.40	2520.85	2524.66	2498.64	1.67	ppb
Lead	208-1	2446.91	2508.32	2519.94	2491.72	1.57	ppb
Lithium	6-1				103		%
Magnesium	24-2	49006.25	48974.12	49906.07	49295.48	1.07	ppb
Manganese	55-2	4965.58	5029.05	5046.58	5013.74	0.85	ppb
Molybdenum	94-1	4810.85	4948.57	5135.43	4964.95	3.28	ppb
Molybdenum	95-1	4850.50	4989.45	5162.37	5000.77	3.12	ppb
Molybdenum	96-1	4861.20	5031.81	5157.54	5016.85	2.96	ppb
Molybdenum	97-1	4890.50	5028.24	5181.73	5033.49	2.89	ppb
Molybdenum	98-1	4875.26	4989.81	5155.40	5006.83	2.81	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	508.43	503.96	504.99	505.79	0.46	ppb
Phosphorus	31-2	10090.99	9878.32	9800.90	9923.41	1.51	ppb
Potassium	39-2	24364.80	23765.46	24141.50	24090.59	1.26	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				106		%
Scandium	45-2				109		%
Selenium	82-1	500.67	505.88	517.26	507.94	1.67	ppb
Selenium	77-2	537.40	515.23	511.50	521.38	2.69	ppb
Selenium	78-2	516.13	489.25	517.63	507.67	3.15	ppb
Silicon	28-1	500.07	506.22	508.95	505.08	0.90	ppb
Silver	107-1	500.27	512.65	516.43	509.78	1.66	ppb
Silver	109-1	505.79	503.84	519.51	509.72	1.68	ppb
Sodium	23-2	49369.63	49223.70	49319.42	49304.25	0.15	ppb
Strontium	86-1	11703.07	11949.87	12314.54	11989.16	2.57	ppb
Strontium	88-1	12314.63	12349.56	12674.78	12446.33	1.60	ppb
Sulfur	34-1	9660.50	10046.53	10196.71	9967.91	2.78	ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	487.57	510.37	504.60	500.85	2.37	ppb
Thallium	205-1	489.07	501.94	509.13	500.05	2.03	ppb
Tin	118-1	496.48	496.59	519.18	504.08	2.59	ppb
Titanium	47-1	4888.10	4987.04	5081.58	4985.57	1.94	ppb
Uranium	238-1	488.68	487.29	499.83	491.93	1.40	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:59:09	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	502.04	493.42	498.66	498.04	0.87	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				107		%
Zinc	66-2	4889.33	4866.41	4912.75	4889.49	0.47	ppb
Zirconium	90-1	485.21	496.76	513.11	498.36	2.81	ppb
Zirconium	91-1	465.70	475.50	494.40	478.54	3.05	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:17:19	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18690.31	18820.17	18935.63	18815.37	0.65	ppb
Antimony	121-1	998.04	975.34	1010.82	994.73	1.81	ppb
Arsenic	75-2	1002.33	999.70	1000.60	1000.88	0.13	ppb
Barium	135-1	4921.44	4984.92	5065.73	4990.70	1.45	ppb
Barium	137-1	5006.64	4911.03	5071.48	4996.38	1.62	ppb
Beryllium	9-1	991.41	1004.12	992.65	996.06	0.70	ppb
Bismuth	209-1				95		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Cadmium	108-1	990.16	982.19	997.98	990.11	0.80	ppb
Cadmium	106-1	993.03	973.53	1005.81	990.79	1.64	ppb
Cadmium	111-1	1024.65	997.63	993.75	1005.34	1.67	ppb
Calcium	43-1	100486.71	99342.34	101159.55	100329.53	0.92	ppb
Calcium	44-1	100608.61	99127.97	99684.00	99806.86	0.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1003.33	1024.61	1004.28	1010.74	1.19	ppb
Cobalt	59-2	997.41	1003.00	1016.84	1005.75	0.99	ppb
Copper	63-2	9804.84	9964.10	10007.62	9925.52	1.08	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				104		%
Indium	115-1				96		%
Indium	115-2				99		%
Iron	54-2	50084.91	49489.31	50757.98	50110.73	1.27	ppb
Iron	56-2	49027.06	49186.64	49112.01	49108.57	0.16	ppb
Iron	57-2	46848.99	46955.52	47602.07	47135.53	0.86	ppb
Krypton	83-1						cps
Lead	206-1	4926.79	4986.90	5046.23	4986.64	1.20	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:17:19	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	4931.62	5027.87	5021.05	4993.51	1.08	ppb
Lead	208-1	4933.58	5039.39	5027.84	5000.27	1.16	ppb
Lithium	6-1				101		%
Magnesium	24-2	97638.95	98231.99	98613.92	98161.62	0.50	ppb
Manganese	55-2	9987.87	9896.17	9991.83	9958.62	0.54	ppb
Molybdenum	94-1	10007.66	9972.72	10014.28	9998.22	0.22	ppb
Molybdenum	95-1	9976.53	9919.29	10033.83	9976.55	0.57	ppb
Molybdenum	96-1	9956.86	9945.72	10019.12	9973.90	0.40	ppb
Molybdenum	97-1	9910.79	9933.29	10032.66	9958.91	0.65	ppb
Molybdenum	98-1	9936.13	9956.63	10030.04	9974.27	0.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	979.32	989.51	1005.35	991.39	1.32	ppb
Phosphorus	31-2	19540.52	20304.25	20151.00	19998.59	2.02	ppb
Potassium	39-2	48710.31	48519.37	49025.86	48751.85	0.52	ppb
Rhodium	103-1				96		%
Rhodium	103-2				98		%
Scandium	45-1				106		%
Scandium	45-2				110		%
Selenium	82-1	995.23	985.05	999.07	993.12	0.73	ppb
Selenium	77-2	967.13	1004.31	985.74	985.72	1.89	ppb
Selenium	78-2	1011.46	995.96	977.38	994.93	1.71	ppb
Silicon	28-1	1006.72	980.58	993.13	993.48	1.32	ppb
Silver	107-1	993.64	968.74	1009.45	990.61	2.07	ppb
Silver	109-1	992.01	983.57	997.38	990.98	0.70	ppb
Sodium	23-2	98190.46	98758.51	99083.98	98677.65	0.46	ppb
Strontium	86-1	25328.61	24844.59	25619.65	25264.28	1.55	ppb
Strontium	88-1	24922.73	24871.74	25104.58	24966.35	0.49	ppb
Sulfur	34-1	20097.15	19692.80	20191.68	19993.88	1.33	ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	993.07	1007.77	995.65	998.83	0.79	ppb
Thallium	205-1	998.91	1000.08	996.37	998.45	0.19	ppb
Tin	118-1	992.51	990.06	1012.71	998.43	1.24	ppb
Titanium	47-1	10008.73	9828.02	10102.64	9979.80	1.40	ppb
Uranium	238-1	989.49	1009.45	1013.88	1004.27	1.29	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:17:19	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	990.91	995.70	1010.49	999.04	1.02	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				107		%
Zinc	66-2	9986.76	9929.63	10166.04	10027.48	1.23	ppb
Zirconium	90-1	995.93	990.60	1011.05	999.20	1.06	ppb
Zirconium	91-1	1004.48	1010.42	1021.76	1012.22	0.87	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:20:05	DataFile Name :	013CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	101150.33	99059.00	100722.75	100310.69	1.10	ppb
Antimony	121-1	0.40	0.37	0.33	0.37	9.10	ppb
Arsenic	75-2	0.53	0.43	0.44	0.47	11.38	ppb
Barium	135-1	3.78	3.68	3.59	3.69	2.56	ppb
Barium	137-1	4.03	3.71	3.54	3.76	6.65	ppb
Beryllium	9-1	0.30	0.24	0.25	0.26	11.70	ppb
Bismuth	209-1				76		%
Bismuth	209-2				68		%
Bromine	81-1						cps
Cadmium	108-1	0.62	0.84	0.46	0.64	29.23	ppb
Cadmium	106-1	-0.73	0.08	0.64	0.00	116257.17	ppb
Cadmium	111-1	0.17	0.17	0.24	0.19	20.26	ppb
Calcium	43-1	499869.43	501516.32	498435.69	499940.48	0.31	ppb
Calcium	44-1	499845.77	502610.87	497694.60	500050.41	0.49	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.55	1.39	1.24	1.39	11.20	ppb
Cobalt	59-2	2.00	2.08	2.08	2.05	2.13	ppb
Copper	63-2	1.35	1.38	1.31	1.35	2.68	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				89		%
Holmium	165-2				86		%
Indium	115-1				82		%
Indium	115-2				80		%
Iron	54-2	249614.13	247607.73	252514.48	249912.11	0.99	ppb
Iron	56-2	250634.07	248033.70	251902.41	250190.06	0.79	ppb
Iron	57-2	247499.16	249133.19	255438.34	250690.23	1.67	ppb
Krypton	83-1						cps
Lead	206-1	0.94	0.79	0.70	0.81	15.02	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:20:05	DataFile Name :	013CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.88	0.81	0.67	0.79	13.44	ppb
Lead	208-1	0.92	0.80	0.68	0.80	14.81	ppb
Lithium	6-1				85		%
Magnesium	24-2	501201.60	497329.11	502556.12	500362.28	0.54	ppb
Manganese	55-2	4.46	4.22	4.30	4.33	2.83	ppb
Molybdenum	94-1	2.98	2.82	2.33	2.71	12.54	ppb
Molybdenum	95-1	2.15	1.83	1.61	1.86	14.46	ppb
Molybdenum	96-1	3.03	2.56	2.51	2.70	10.55	ppb
Molybdenum	97-1	1.91	1.64	1.46	1.67	13.47	ppb
Molybdenum	98-1	1.77	1.52	1.26	1.52	16.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.42	2.25	2.56	2.41	6.49	ppb
Phosphorus	31-2	-3.49	-22.79	-12.20	-12.83		ppb
Potassium	39-2	252082.87	247242.87	251802.73	250376.16	1.09	ppb
Rhodium	103-1				77		%
Rhodium	103-2				72		%
Scandium	45-1				90		%
Scandium	45-2				84		%
Selenium	82-1	0.74	0.65	0.37	0.58	33.07	ppb
Selenium	77-2	0.00	0.00	2.37	0.79	173.21	ppb
Selenium	78-2	-0.22	-0.22	-0.87	-0.44		ppb
Silicon	28-1	1.73	1.50	1.35	1.53	12.55	ppb
Silver	107-1	0.17	0.14	0.11	0.14	18.50	ppb
Silver	109-1	0.17	0.14	0.12	0.14	17.84	ppb
Sodium	23-2	503092.75	497454.16	500291.49	500279.47	0.56	ppb
Strontium	86-1	75.39	80.69	76.71	77.60	3.56	ppb
Strontium	88-1	76.33	77.15	76.98	76.82	0.56	ppb
Sulfur	34-1	42.98	57.42	3.30	34.57	81.08	ppb
Terbium	159-1				89		%
Terbium	159-2				84		%
Thallium	203-1	0.17	0.10	0.09	0.12	32.76	ppb
Thallium	205-1	0.15	0.11	0.08	0.11	31.75	ppb
Tin	118-1	0.19	0.18	0.13	0.17	17.54	ppb
Titanium	47-1	4.02	3.81	3.85	3.89	2.81	ppb
Uranium	238-1	0.11	0.08	0.06	0.08	27.93	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:20:05	DataFile Name :	013CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.26	0.31	0.28	0.28	9.83	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				90		%
Yttrium	89-2				87		%
Zinc	66-2	4.34	4.15	4.17	4.22	2.48	ppb
Zirconium	90-1	0.56	0.56	0.54	0.56	2.00	ppb
Zirconium	91-1	0.62	0.57	0.58	0.59	5.25	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P8
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:33:20	DataFile Name :	015ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	474.89	486.36	445.68	468.98	4.47	ppb
Antimony	121-1	197.78	197.54	192.49	195.94	1.53	ppb
Arsenic	75-2	204.86	205.61	195.27	201.91	2.86	ppb
Barium	135-1	102.19	103.54	99.25	101.66	2.16	ppb
Barium	137-1	104.40	105.13	100.66	103.40	2.32	ppb
Beryllium	9-1	103.38	102.90	99.35	101.88	2.16	ppb
Bismuth	209-1				97		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	126.58	127.15	122.03	125.25	2.24	ppb
Cadmium	106-1	86.72	87.71	85.17	86.53	1.48	ppb
Cadmium	111-1	104.40	105.82	102.24	104.15	1.73	ppb
Calcium	43-1	1983.70	2021.74	1956.15	1987.20	1.66	ppb
Calcium	44-1	1994.21	2020.67	1958.69	1991.19	1.56	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	101.33	102.48	96.55	100.12	3.14	ppb
Cobalt	59-2	105.76	105.68	101.69	104.38	2.23	ppb
Copper	63-2	110.44	111.24	106.63	109.44	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				99		%
Holmium	165-2				101		%
Indium	115-1				97		%
Indium	115-2				102		%
Iron	54-2	2170.11	2174.48	2100.47	2148.35	1.93	ppb
Iron	56-2	2216.08	2157.66	2097.48	2157.07	2.75	ppb
Iron	57-2	2065.44	2080.44	1995.50	2047.13	2.21	ppb
Krypton	83-1						cps
Lead	206-1	202.56	208.48	195.60	202.22	3.19	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P8
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:33:20	DataFile Name :	015ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	195.87	199.85	189.60	195.11	2.65	ppb
Lead	208-1	204.60	208.89	197.38	203.62	2.86	ppb
Lithium	6-1				95		%
Magnesium	24-2	1153.50	1160.62	1107.29	1140.47	2.54	ppb
Manganese	55-2	103.74	103.72	100.24	102.57	1.96	ppb
Molybdenum	94-1	4069.25	4066.64	3941.82	4025.90	1.81	ppb
Molybdenum	95-1	5018.96	4958.87	4785.36	4921.06	2.46	ppb
Molybdenum	96-1	4852.92	4861.11	4705.29	4806.44	1.82	ppb
Molybdenum	97-1	4963.96	4964.16	4787.48	4905.20	2.08	ppb
Molybdenum	98-1	5006.51	4981.38	4849.98	4945.95	1.70	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	112.47	111.09	108.27	110.61	1.94	ppb
Phosphorus	31-2	-28.53	-14.62	-18.35	-20.50		ppb
Potassium	39-2	1919.88	1947.11	1862.93	1909.97	2.25	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				99		%
Scandium	45-2				101		%
Selenium	82-1	213.34	211.02	203.93	209.43	2.34	ppb
Selenium	77-2	199.59	211.19	217.15	209.31	4.27	ppb
Selenium	78-2	197.47	195.48	187.49	193.48	2.73	ppb
Silicon	28-1	0.19	0.22	0.11	0.17	33.78	ppb
Silver	107-1	49.00	50.00	47.70	48.90	2.36	ppb
Silver	109-1	49.46	50.27	48.37	49.37	1.93	ppb
Sodium	23-2	1962.31	1973.72	1883.93	1939.99	2.52	ppb
Strontium	86-1	5.49	5.91	5.29	5.56	5.65	ppb
Strontium	88-1	5.75	6.19	5.84	5.92	3.92	ppb
Sulfur	34-1	-326.18	-295.01	-478.47	-366.55		ppb
Terbium	159-1				98		%
Terbium	159-2				100		%
Thallium	203-1	192.45	195.84	186.98	191.75	2.33	ppb
Thallium	205-1	208.27	207.35	197.93	204.52	2.80	ppb
Tin	118-1	0.07	0.05	0.10	0.07	36.22	ppb
Titanium	47-1	0.34	0.27	0.23	0.28	19.65	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P8
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:33:20	DataFile Name :	015ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	102.30	102.07	97.38	100.59	2.76	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				103		%
Zinc	66-2	212.82	213.73	205.77	210.77	2.07	ppb
Zirconium	90-1	0.00	0.01	0.01	0.00	172.04	ppb
Zirconium	91-1	0.13	0.09	0.10	0.10	18.86	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P8
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:36:39	DataFile Name :	016CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.34	0.25	-0.09	-0.06		ppb
Antimony	121-1	0.09	0.08	0.08	0.08	6.69	ppb
Arsenic	75-2	0.02	-0.04	-0.04	-0.02		ppb
Barium	135-1	0.07	0.05	0.06	0.06	18.27	ppb
Barium	137-1	0.11	0.07	0.06	0.08	33.80	ppb
Beryllium	9-1	0.08	0.07	0.06	0.07	16.24	ppb
Bismuth	209-1				96		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	-0.01	0.15	0.07	0.07	109.79	ppb
Cadmium	106-1	-0.14	-1.04	-1.80	-0.99		ppb
Cadmium	111-1	-0.01	-0.08	-0.14	-0.08		ppb
Calcium	43-1	-0.40	-0.06	0.99	0.18	405.00	ppb
Calcium	44-1	0.52	-0.53	0.31	0.10	562.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	0.03	0.03	0.03	22.92	ppb
Cobalt	59-2	0.01	0.00	0.01	0.01	50.43	ppb
Copper	63-2	0.16	0.05	0.10	0.10	53.49	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				97		%
Holmium	165-2				99		%
Indium	115-1				96		%
Indium	115-2				100		%
Iron	54-2	0.47	1.20	1.52	1.06	50.23	ppb
Iron	56-2	0.67	0.76	0.60	0.68	11.81	ppb
Iron	57-2	0.31	-0.56	-0.21	-0.15		ppb
Krypton	83-1						cps
Lead	206-1	0.04	0.04	0.01	0.03	54.76	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P8
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:36:39	DataFile Name :	016CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.01	0.03	0.04	0.03	51.44	ppb
Lead	208-1	0.04	0.04	0.03	0.04	18.10	ppb
Lithium	6-1				94		%
Magnesium	24-2	-2.48	-2.34	-1.99	-2.27		ppb
Manganese	55-2	0.05	0.00	0.00	0.02	182.39	ppb
Molybdenum	94-1	0.42	0.32	0.31	0.35	18.05	ppb
Molybdenum	95-1	0.46	0.38	0.39	0.41	10.66	ppb
Molybdenum	96-1	0.55	0.37	0.35	0.42	25.32	ppb
Molybdenum	97-1	0.48	0.41	0.40	0.43	9.79	ppb
Molybdenum	98-1	0.45	0.41	0.36	0.41	10.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.14	0.07	0.18	0.13	40.13	ppb
Phosphorus	31-2	-25.42	-22.78	-22.32	-23.51		ppb
Potassium	39-2	3.81	9.24	4.68	5.91	49.34	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				98		%
Scandium	45-2				98		%
Selenium	82-1	0.54	0.50	0.10	0.38	65.01	ppb
Selenium	77-2	0.00	1.99	0.00	0.66	173.21	ppb
Selenium	78-2	-1.56	-1.56	-0.37	-1.17		ppb
Silicon	28-1	0.07	-0.01	-0.06	0.00		ppb
Silver	107-1	0.04	0.02	0.01	0.02	51.90	ppb
Silver	109-1	0.04	0.02	0.02	0.03	22.22	ppb
Sodium	23-2	9.31	7.21	9.41	8.64	14.41	ppb
Strontium	86-1	-0.29	0.35	-0.02	0.01	2493.96	ppb
Strontium	88-1	-0.06	-0.11	-0.11	-0.09		ppb
Sulfur	34-1	-166.84	-290.62	-356.82	-271.42		ppb
Terbium	159-1				97		%
Terbium	159-2				99		%
Thallium	203-1	0.04	0.02	0.03	0.03	19.47	ppb
Thallium	205-1	0.04	0.03	0.03	0.03	18.69	ppb
Tin	118-1	0.01	0.00	0.00	0.00	106.92	ppb
Titanium	47-1	0.00	0.00	-0.01	0.00		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P8
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:36:39	DataFile Name :	016CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.01	0.00	0.00	0.01	68.14	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				100		%
Zinc	66-2	-0.12	-0.03	-0.33	-0.16		ppb
Zirconium	90-1	-0.01	0.00	-0.01	-0.01		ppb
Zirconium	91-1	0.00	0.00	0.00	0.00	116.07	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P8
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:40:01	DataFile Name :	017ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	94254.13	92160.26	91146.17	92520.18	1.71	ppb
Antimony	121-1	1.20	1.13	1.12	1.15	3.32	ppb
Arsenic	75-2	0.50	0.24	0.39	0.38	34.03	ppb
Barium	135-1	1.66	1.56	1.44	1.55	7.09	ppb
Barium	137-1	1.56	1.53	1.48	1.53	2.57	ppb
Beryllium	9-1	0.32	0.33	0.28	0.31	8.07	ppb
Bismuth	209-1				86		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	15.47	13.88	13.59	14.31	7.05	ppb
Cadmium	106-1	-0.14	-2.08	-2.31	-1.51		ppb
Cadmium	111-1	0.57	0.34	0.31	0.41	34.61	ppb
Calcium	43-1	110178.13	105145.26	102499.13	105940.84	3.68	ppb
Calcium	44-1	109191.15	103043.19	102127.70	104787.35	3.67	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.44	19.56	19.11	19.37	1.20	ppb
Cobalt	59-2	1.14	1.09	1.09	1.10	2.65	ppb
Copper	63-2	7.85	7.91	8.02	7.93	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				96		%
Holmium	165-2				101		%
Indium	115-1				92		%
Indium	115-2				98		%
Iron	54-2	105636.82	101689.92	102762.76	103363.17	1.97	ppb
Iron	56-2	104344.88	102103.58	102097.74	102848.73	1.26	ppb
Iron	57-2	105598.35	104654.74	105704.11	105319.07	0.55	ppb
Krypton	83-1						cps
Lead	206-1	5.08	4.81	4.82	4.90	3.08	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P8
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:40:01	DataFile Name :	017ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	4.75	4.34	4.36	4.48	5.06	ppb
Lead	208-1	4.76	4.49	4.47	4.57	3.54	ppb
Lithium	6-1				94		%
Magnesium	24-2	96013.97	94547.75	94605.69	95055.80	0.87	ppb
Manganese	55-2	7.41	7.51	7.31	7.41	1.38	ppb
Molybdenum	94-1	1810.53	1679.67	1666.54	1718.91	4.63	ppb
Molybdenum	95-1	2178.48	2053.46	2038.26	2090.07	3.68	ppb
Molybdenum	96-1	2125.49	2006.21	1979.35	2037.02	3.82	ppb
Molybdenum	97-1	2190.53	2079.85	2038.17	2102.85	3.74	ppb
Molybdenum	98-1	2187.46	2065.95	2009.86	2087.76	4.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.70	5.42	5.68	5.60	2.79	ppb
Phosphorus	31-2	107093.87	105484.92	105200.32	105926.37	0.96	ppb
Potassium	39-2	99128.74	97209.84	97585.22	97974.60	1.04	ppb
Rhodium	103-1				89		%
Rhodium	103-2				94		%
Scandium	45-1				99		%
Scandium	45-2				103		%
Selenium	82-1	0.93	0.63	0.31	0.62	49.22	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.99	-1.56	-1.56	-1.37		ppb
Silicon	28-1	2.23	1.97	1.85	2.02	9.53	ppb
Silver	107-1	0.13	0.12	0.10	0.11	14.87	ppb
Silver	109-1	0.13	0.12	0.10	0.12	14.25	ppb
Sodium	23-2	102555.47	100361.02	100064.58	100993.69	1.35	ppb
Strontium	86-1	861.94	806.15	803.23	823.77	4.02	ppb
Strontium	88-1	861.44	819.00	795.08	825.17	4.07	ppb
Sulfur	34-1	89279.84	85381.31	82130.64	85597.27	4.18	ppb
Terbium	159-1				96		%
Terbium	159-2				101		%
Thallium	203-1	0.15	0.13	0.12	0.13	9.54	ppb
Thallium	205-1	0.15	0.13	0.14	0.14	6.70	ppb
Tin	118-1	0.30	0.34	0.28	0.31	9.16	ppb
Titanium	47-1	2261.80	2190.72	2164.76	2205.76	2.28	ppb
Uranium	238-1	0.02	0.02	0.01	0.01	14.41	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P8
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:40:01	DataFile Name :	017ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.16	0.15	0.17	0.16	5.86	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				103		%
Zinc	66-2	10.87	10.92	10.44	10.75	2.46	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	0.69	ppb
Zirconium	91-1	0.04	0.03	0.03	0.03	20.59	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P8
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:43:10	DataFile Name :	018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	93208.37	93335.98	92413.92	92986.09	0.54	ppb
Antimony	121-1	18.47	20.44	21.01	19.98	6.68	ppb
Arsenic	75-2	21.46	21.95	19.86	21.09	5.19	ppb
Barium	135-1	19.23	21.16	21.86	20.75	6.56	ppb
Barium	137-1	19.47	22.11	22.03	21.21	7.09	ppb
Beryllium	9-1	18.66	20.38	20.46	19.84	5.13	ppb
Bismuth	209-1				93		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	28.82	30.41	30.10	29.78	2.82	ppb
Cadmium	106-1	13.04	16.58	14.54	14.72	12.06	ppb
Cadmium	111-1	17.40	19.44	19.69	18.84	6.67	ppb
Calcium	43-1	91713.95	101876.03	100170.24	97920.07	5.56	ppb
Calcium	44-1	91572.57	101111.53	100645.69	97776.60	5.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	38.22	39.05	38.15	38.47	1.31	ppb
Cobalt	59-2	21.08	20.53	20.40	20.67	1.74	ppb
Copper	63-2	27.92	28.18	28.19	28.10	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				105		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	54-2	103700.94	105537.05	102911.48	104049.82	1.29	ppb
Iron	56-2	103432.68	104445.94	102361.50	103413.37	1.01	ppb
Iron	57-2	105672.81	106980.29	104006.96	105553.35	1.41	ppb
Krypton	83-1						cps
Lead	206-1	23.14	24.80	25.19	24.37	4.46	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P8
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:43:10	DataFile Name :	018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	22.33	24.05	24.29	23.56	4.54	ppb
Lead	208-1	22.20	24.04	24.24	23.49	4.77	ppb
Lithium	6-1				102		%
Magnesium	24-2	97434.83	97039.50	95490.33	96654.89	1.06	ppb
Manganese	55-2	27.48	27.59	26.73	27.27	1.72	ppb
Molybdenum	94-1	1515.60	1675.90	1637.14	1609.54	5.20	ppb
Molybdenum	95-1	1845.38	2036.87	1986.62	1956.29	5.07	ppb
Molybdenum	96-1	1777.96	1981.93	1986.18	1915.36	6.21	ppb
Molybdenum	97-1	1842.18	2027.85	2014.63	1961.55	5.28	ppb
Molybdenum	98-1	1854.98	2041.38	2003.93	1966.76	5.01	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	25.70	25.82	25.37	25.63	0.92	ppb
Phosphorus	31-2	106150.57	107779.97	105441.77	106457.44	1.13	ppb
Potassium	39-2	99592.19	99496.96	98677.75	99255.63	0.51	ppb
Rhodium	103-1				99		%
Rhodium	103-2				96		%
Scandium	45-1				110		%
Scandium	45-2				106		%
Selenium	82-1	19.73	21.14	20.96	20.61	3.72	ppb
Selenium	77-2	20.90	26.65	18.99	22.18	17.98	ppb
Selenium	78-2	20.13	15.71	21.24	19.02	15.36	ppb
Silicon	28-1	1.48	2.01	1.98	1.82	16.20	ppb
Silver	107-1	16.53	18.49	18.41	17.81	6.24	ppb
Silver	109-1	16.62	18.46	18.75	17.94	6.46	ppb
Sodium	23-2	102454.87	101729.28	101475.19	101886.45	0.50	ppb
Strontium	86-1	716.13	808.18	798.37	774.23	6.53	ppb
Strontium	88-1	720.21	799.02	795.64	771.63	5.77	ppb
Sulfur	34-1	74950.63	83179.60	83115.22	80415.15	5.89	ppb
Terbium	159-1				103		%
Terbium	159-2				101		%
Thallium	203-1	18.23	19.57	19.85	19.22	4.51	ppb
Thallium	205-1	18.32	19.87	20.05	19.41	4.89	ppb
Tin	118-1	0.19	0.30	0.20	0.23	24.90	ppb
Titanium	47-1	1932.85	2114.72	2111.43	2053.00	5.07	ppb
Uranium	238-1	0.01	0.02	0.02	0.02	10.34	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P8
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:43:10	DataFile Name :	018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	19.96	19.86	19.86	19.89	0.31	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				105		%
Zinc	66-2	31.24	31.52	30.22	30.99	2.21	ppb
Zirconium	90-1	0.01	0.01	0.02	0.02	35.66	ppb
Zirconium	91-1	0.02	0.03	0.03	0.03	11.11	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCV011	Instrumnet Name :	P8
Client Sample ID :	CCV011	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:57:37	DataFile Name :	021CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47015.69	46750.77	46895.12	46887.19	0.28	ppb
Antimony	121-1	468.23	479.87	475.79	474.63	1.24	ppb
Arsenic	75-2	468.04	465.98	475.44	469.82	1.06	ppb
Barium	135-1	2363.51	2456.41	2376.77	2398.90	2.09	ppb
Barium	137-1	2330.23	2442.60	2371.40	2381.41	2.39	ppb
Beryllium	9-1	473.79	502.41	497.62	491.27	3.12	ppb
Bismuth	209-1				82		%
Bismuth	209-2				76		%
Bromine	81-1						cps
Cadmium	108-1	505.57	517.31	519.80	514.23	1.48	ppb
Cadmium	106-1	498.69	522.58	520.87	514.05	2.59	ppb
Cadmium	111-1	476.26	501.34	507.02	494.88	3.31	ppb
Calcium	43-1	235919.11	243727.41	245707.25	241784.59	2.14	ppb
Calcium	44-1	235532.99	243241.17	247732.40	242168.85	2.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	458.34	460.61	456.64	458.53	0.43	ppb
Cobalt	59-2	450.35	456.82	453.34	453.50	0.71	ppb
Copper	63-2	4586.16	4594.39	4567.47	4582.67	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				92		%
Holmium	165-2				91		%
Indium	115-1				87		%
Indium	115-2				88		%
Iron	54-2	120221.66	119613.62	120419.59	120084.96	0.35	ppb
Iron	56-2	118743.75	120190.54	118926.33	119286.88	0.66	ppb
Iron	57-2	119507.26	122332.83	119033.08	120291.06	1.48	ppb
Krypton	83-1						cps
Lead	206-1	2397.66	2516.64	2496.60	2470.30	2.58	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCV011	Instrumnet Name :	P8
Client Sample ID :	CCV011	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:57:37	DataFile Name :	021CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2402.44	2495.87	2494.00	2464.10	2.17	ppb
Lead	208-1	2377.40	2479.86	2475.93	2444.40	2.38	ppb
Lithium	6-1				87		%
Magnesium	24-2	235591.05	234805.38	235166.04	235187.49	0.17	ppb
Manganese	55-2	4863.17	4882.57	4823.44	4856.40	0.62	ppb
Molybdenum	94-1	4795.57	4832.07	5041.63	4889.76	2.72	ppb
Molybdenum	95-1	4760.80	4870.85	4945.46	4859.04	1.91	ppb
Molybdenum	96-1	4750.78	4837.03	4996.35	4861.39	2.56	ppb
Molybdenum	97-1	4727.11	4737.76	5003.58	4822.82	3.25	ppb
Molybdenum	98-1	4776.28	4813.49	5042.39	4877.39	2.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	462.78	467.22	465.25	465.08	0.48	ppb
Phosphorus	31-2	9485.70	9644.99	9490.09	9540.26	0.95	ppb
Potassium	39-2	117921.94	116557.93	116375.28	116951.72	0.72	ppb
Rhodium	103-1				83		%
Rhodium	103-2				82		%
Scandium	45-1				95		%
Scandium	45-2				95		%
Selenium	82-1	449.04	459.10	476.20	461.45	2.98	ppb
Selenium	77-2	401.87	440.45	431.63	424.65	4.76	ppb
Selenium	78-2	423.62	458.19	460.97	447.60	4.65	ppb
Silicon	28-1	239.68	244.08	246.14	243.30	1.36	ppb
Silver	107-1	452.75	474.09	464.72	463.85	2.31	ppb
Silver	109-1	443.83	465.91	462.61	457.45	2.60	ppb
Sodium	23-2	235163.76	236597.53	234604.16	235455.15	0.44	ppb
Strontium	86-1	11146.49	11458.34	11879.40	11494.74	3.20	ppb
Strontium	88-1	11814.21	11897.16	12271.17	11994.18	2.03	ppb
Sulfur	34-1	9142.35	9584.79	9590.77	9439.30	2.72	ppb
Terbium	159-1				93		%
Terbium	159-2				91		%
Thallium	203-1	487.18	500.57	509.66	499.14	2.26	ppb
Thallium	205-1	487.32	494.58	499.27	493.72	1.22	ppb
Tin	118-1	461.10	489.52	479.38	476.66	3.02	ppb
Titanium	47-1	4697.32	4957.79	4907.76	4854.29	2.85	ppb
Uranium	238-1	489.06	506.12	505.27	500.15	1.92	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCV011	Instrumnet Name :	P8
Client Sample ID :	CCV011	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:57:37	DataFile Name :	021CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	481.97	490.86	485.42	486.08	0.92	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				94		%
Yttrium	89-2				94		%
Zinc	66-2	4887.74	4917.75	4924.48	4909.99	0.40	ppb
Zirconium	90-1	464.88	481.88	498.24	481.66	3.46	ppb
Zirconium	91-1	448.75	460.18	474.95	461.29	2.85	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCB011	Instrumnet Name :	P8
Client Sample ID :	CCB011	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:01:38	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.63	0.64	0.28	0.52	39.28	ppb
Antimony	121-1	0.08	0.08	0.08	0.08	5.12	ppb
Arsenic	75-2	-0.04	-0.01	0.02	-0.01		ppb
Barium	135-1	0.21	0.24	0.19	0.21	12.27	ppb
Barium	137-1	0.23	0.22	0.20	0.22	7.41	ppb
Beryllium	9-1	0.14	0.15	0.13	0.14	5.78	ppb
Bismuth	209-1				95		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	-0.06	0.02	0.02	-0.01		ppb
Cadmium	106-1	0.96	0.08	-0.64	0.13	604.53	ppb
Cadmium	111-1	0.11	0.03	-0.04	0.03	242.95	ppb
Calcium	43-1	4.18	6.89	4.14	5.07	31.01	ppb
Calcium	44-1	5.00	3.76	3.52	4.09	19.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.05	0.04	-0.04	-0.02		ppb
Cobalt	59-2	0.00	-0.01	0.02	0.00	371.14	ppb
Copper	63-2	0.11	0.05	0.04	0.07	58.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				97		%
Indium	115-1				97		%
Indium	115-2				98		%
Iron	54-2	2.11	3.10	3.49	2.90	24.54	ppb
Iron	56-2	2.36	2.31	2.04	2.24	7.65	ppb
Iron	57-2	2.96	1.58	1.06	1.87	52.72	ppb
Krypton	83-1						cps
Lead	206-1	0.14	0.13	0.13	0.13	3.97	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCB011	Instrumnet Name :	P8
Client Sample ID :	CCB011	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:01:38	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.15	0.11	0.12	0.12	16.37	ppb
Lead	208-1	0.16	0.14	0.13	0.14	10.88	ppb
Lithium	6-1				92		%
Magnesium	24-2	0.35	0.07	0.09	0.17	91.73	ppb
Manganese	55-2	0.24	0.09	0.12	0.15	54.12	ppb
Molybdenum	94-1	0.19	0.10	0.08	0.12	44.55	ppb
Molybdenum	95-1	0.17	0.14	0.12	0.14	18.61	ppb
Molybdenum	96-1	0.15	0.13	0.12	0.13	10.05	ppb
Molybdenum	97-1	0.15	0.14	0.12	0.14	10.95	ppb
Molybdenum	98-1	0.16	0.10	0.09	0.12	31.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.17	0.08	0.16	0.14	35.25	ppb
Phosphorus	31-2	-19.67	-22.49	-22.32	-21.49		ppb
Potassium	39-2	11.55	9.70	11.78	11.01	10.34	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				98		%
Scandium	45-2				97		%
Selenium	82-1	0.00	0.32	0.63	0.32	100.14	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-1.56	-1.56	-0.97	-1.36		ppb
Silicon	28-1	0.06	0.05	0.03	0.05	32.27	ppb
Silver	107-1	0.04	0.04	0.02	0.03	25.47	ppb
Silver	109-1	0.04	0.03	0.03	0.03	19.77	ppb
Sodium	23-2	18.70	18.76	18.44	18.63	0.92	ppb
Strontium	86-1	-0.25	-0.17	-0.35	-0.26		ppb
Strontium	88-1	0.20	0.02	-0.07	0.05	267.35	ppb
Sulfur	34-1	-242.53	-232.86	-254.94	-243.44		ppb
Terbium	159-1				97		%
Terbium	159-2				99		%
Thallium	203-1	0.05	0.06	0.05	0.05	7.70	ppb
Thallium	205-1	0.06	0.05	0.05	0.05	10.47	ppb
Tin	118-1	0.03	0.04	0.03	0.04	23.77	ppb
Titanium	47-1	0.16	0.10	0.06	0.11	45.35	ppb
Uranium	238-1	0.01	0.00	0.01	0.01	43.20	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCB011	Instrumnet Name :	P8
Client Sample ID :	CCB011	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:01:38	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.01	0.00	419.22	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				99		%
Zinc	66-2	0.00	0.17	-0.15	0.01	2282.54	ppb
Zirconium	90-1	0.03	0.02	0.02	0.02	13.08	ppb
Zirconium	91-1	0.02	0.03	0.03	0.03	15.05	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166280BL	Instrumnet Name :	P8
Client Sample ID :	PBS280	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:08:17	DataFile Name :	024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.89	0.17	0.96	1.34	104.21	ppb
Antimony	121-1	0.02	0.01	0.03	0.02	39.59	ppb
Arsenic	75-2	-0.01	-0.01	0.02	0.00	1107.75	ppb
Barium	135-1	0.08	0.04	0.07	0.06	34.60	ppb
Barium	137-1	0.09	0.10	0.13	0.11	22.75	ppb
Beryllium	9-1	0.06	0.05	0.09	0.07	35.55	ppb
Bismuth	209-1				86		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Cadmium	108-1	0.05	0.02	0.02	0.03	60.18	ppb
Cadmium	106-1	-1.24	-1.64	-1.39	-1.42		ppb
Cadmium	111-1	-0.09	-0.12	-0.10	-0.10		ppb
Calcium	43-1	0.15	-0.67	2.81	0.77	237.61	ppb
Calcium	44-1	-0.49	-0.87	0.96	-0.13		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	-0.05	-0.01	-0.01		ppb
Cobalt	59-2	0.01	-0.01	0.00	0.00		ppb
Copper	63-2	0.12	0.10	0.07	0.10	26.53	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				87		%
Holmium	165-2				95		%
Indium	115-1				87		%
Indium	115-2				96		%
Iron	54-2	4.09	4.51	3.50	4.03	12.54	ppb
Iron	56-2	3.98	3.70	3.45	3.71	7.17	ppb
Iron	57-2	5.59	2.53	3.80	3.97	38.71	ppb
Krypton	83-1						cps
Lead	206-1	0.23	0.21	0.24	0.22	7.86	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166280BL	Instrumnet Name :	P8
Client Sample ID :	PBS280	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:08:17	DataFile Name :	024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.17	0.20	0.22	0.20	12.84	ppb
Lead	208-1	0.20	0.19	0.23	0.21	9.18	ppb
Lithium	6-1				83		%
Magnesium	24-2	-1.41	-2.42	-0.94	-1.59		ppb
Manganese	55-2	0.26	0.18	0.24	0.22	18.37	ppb
Molybdenum	94-1	0.01	-0.01	0.04	0.01	186.97	ppb
Molybdenum	95-1	0.03	0.01	0.03	0.02	37.65	ppb
Molybdenum	96-1	0.02	0.01	0.03	0.02	40.00	ppb
Molybdenum	97-1	0.02	0.02	0.02	0.02	19.17	ppb
Molybdenum	98-1	0.00	0.01	0.02	0.01	116.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.04	0.07	0.11	0.07	42.70	ppb
Phosphorus	31-2	-18.59	-13.31	-24.69	-18.86		ppb
Potassium	39-2	8.63	7.42	11.21	9.09	21.34	ppb
Rhodium	103-1				88		%
Rhodium	103-2				96		%
Scandium	45-1				88		%
Scandium	45-2				94		%
Selenium	82-1	0.75	-0.01	0.36	0.37	103.85	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.34	-1.56	-1.56	-1.15		ppb
Silicon	28-1	0.11	0.06	0.87	0.35	131.23	ppb
Silver	107-1	0.02	0.01	0.01	0.01	15.07	ppb
Silver	109-1	0.01	0.01	0.01	0.01	7.47	ppb
Sodium	23-2	9.40	8.64	12.05	10.03	17.84	ppb
Strontium	86-1	-0.02	-0.21	0.73	0.17	293.70	ppb
Strontium	88-1	-0.08	-0.18	-0.15	-0.13		ppb
Sulfur	34-1	-326.60	-322.80	682.73	11.11	5234.54	ppb
Terbium	159-1				88		%
Terbium	159-2				95		%
Thallium	203-1	0.06	0.06	0.07	0.06	5.96	ppb
Thallium	205-1	0.06	0.05	0.08	0.06	17.79	ppb
Tin	118-1	-0.01	-0.01	0.01	0.00		ppb
Titanium	47-1	0.08	0.08	0.12	0.10	24.24	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166280BL	Instrumnet Name :	P8
Client Sample ID :	PBS280	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:08:17	DataFile Name :	024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.01	0.01	0.01	0.01	22.32	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				89		%
Yttrium	89-2				96		%
Zinc	66-2	0.10	-0.11	-0.09	-0.03		ppb
Zirconium	90-1	0.00	0.01	0.01	0.00	80.62	ppb
Zirconium	91-1	-0.01	0.00	0.00	0.00		ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166280BS	Instrumnet Name :	P8
Client Sample ID :	LCS280	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:11:41	DataFile Name :	025LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	41.43	40.94	31.89	38.09	14.11	ppb
Antimony	121-1	3.86	3.94	4.10	3.96	3.10	ppb
Arsenic	75-2	2.58	2.30	1.43	2.11	28.46	ppb
Barium	135-1	19.86	20.23	20.82	20.30	2.38	ppb
Barium	137-1	19.91	20.03	20.89	20.28	2.63	ppb
Beryllium	9-1	2.13	2.18	2.28	2.19	3.39	ppb
Bismuth	209-1				91		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	2.19	1.92	2.40	2.17	10.99	ppb
Cadmium	106-1	0.37	0.48	1.20	0.68	65.59	ppb
Cadmium	111-1	1.82	1.88	2.01	1.90	5.30	ppb
Calcium	43-1	999.31	1033.50	1051.33	1028.05	2.57	ppb
Calcium	44-1	1004.10	1030.78	1053.01	1029.30	2.38	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.27	4.01	3.33	3.87	12.61	ppb
Cobalt	59-2	2.28	2.16	1.80	2.08	11.97	ppb
Copper	63-2	5.39	5.10	3.99	4.83	15.29	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				92		%
Holmium	165-2				97		%
Indium	115-1				93		%
Indium	115-2				99		%
Iron	54-2	447.10	430.59	359.13	412.27	11.34	ppb
Iron	56-2	454.74	437.68	351.55	414.66	13.34	ppb
Iron	57-2	458.63	440.36	346.01	415.00	14.56	ppb
Krypton	83-1						cps
Lead	206-1	1.99	2.09	2.19	2.09	4.96	ppb

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166280BS	Instrumnet Name :	P8
Client Sample ID :	LCS280	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:11:41	DataFile Name :	025LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1.97	2.17	2.13	2.09	5.17	ppb
Lead	208-1	2.01	2.09	2.17	2.09	3.89	ppb
Lithium	6-1				87		%
Magnesium	24-2	1027.54	989.60	808.40	941.85	12.43	ppb
Manganese	55-2	2.55	2.34	2.08	2.32	10.16	ppb
Molybdenum	94-1	11.51	12.01	12.34	11.95	3.47	ppb
Molybdenum	95-1	10.00	10.00	10.39	10.13	2.25	ppb
Molybdenum	96-1	9.81	10.20	10.35	10.12	2.73	ppb
Molybdenum	97-1	9.73	10.24	10.35	10.10	3.27	ppb
Molybdenum	98-1	9.81	9.81	10.41	10.01	3.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.29	2.32	1.83	2.15	12.93	ppb
Phosphorus	31-2	56.17	31.10	10.15	32.47	70.95	ppb
Potassium	39-2	1052.47	1019.23	830.92	967.54	12.35	ppb
Rhodium	103-1				93		%
Rhodium	103-2				99		%
Scandium	45-1				93		%
Scandium	45-2				97		%
Selenium	82-1	9.93	11.55	11.56	11.01	8.54	ppb
Selenium	77-2	8.90	10.89	15.71	11.83	29.58	ppb
Selenium	78-2	10.16	10.55	7.64	9.45	16.77	ppb
Silicon	28-1	1.86	1.89	2.07	1.94	5.70	ppb
Silver	107-1	1.96	1.99	2.06	2.00	2.51	ppb
Silver	109-1	1.98	2.04	2.08	2.03	2.39	ppb
Sodium	23-2	1078.07	1025.67	832.36	978.70	13.22	ppb
Strontium	86-1	47.16	47.92	48.51	47.86	1.41	ppb
Strontium	88-1	47.23	47.53	49.49	48.08	2.55	ppb
Sulfur	34-1	-281.38	-251.14	-92.52	-208.35		ppb
Terbium	159-1				93		%
Terbium	159-2				97		%
Thallium	203-1	1.88	1.90	2.01	1.93	3.68	ppb
Thallium	205-1	1.93	1.91	2.09	1.98	4.89	ppb
Tin	118-1	10.07	10.00	10.31	10.13	1.64	ppb
Titanium	47-1	2.55	2.65	2.62	2.61	1.98	ppb
Uranium	238-1	1.86	1.88	1.97	1.91	3.13	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166280BS	Instrumnet Name :	P8
Client Sample ID :	LCS280	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:11:41	DataFile Name :	025LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	11.48	10.56	8.88	10.31	12.82	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				94		%
Yttrium	89-2				99		%
Zinc	66-2	10.58	11.40	8.62	10.20	13.98	ppb
Zirconium	90-1	1.93	1.92	2.10	1.98	5.06	ppb
Zirconium	91-1	1.94	1.95	2.07	1.99	3.74	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166279BL	Instrumnet Name :	P8
Client Sample ID :	PBS279	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:15:03	DataFile Name :	026CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.07	-0.05	-0.18	-0.05		ppb
Antimony	121-1	0.01	0.01	0.00	0.01	37.56	ppb
Arsenic	75-2	-0.04	-0.01	-0.04	-0.03		ppb
Barium	135-1	0.05	0.01	0.05	0.04	60.67	ppb
Barium	137-1	0.06	0.05	0.06	0.06	4.94	ppb
Beryllium	9-1	0.03	0.02	0.04	0.03	23.78	ppb
Bismuth	209-1				93		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Cadmium	108-1	0.08	-0.08	0.05	0.01	612.26	ppb
Cadmium	106-1	-1.94	-2.07	-2.08	-2.03		ppb
Cadmium	111-1	-0.15	-0.15	-0.15	-0.15		ppb
Calcium	43-1	-1.67	-0.26	-2.90	-1.61		ppb
Calcium	44-1	-1.27	-0.88	-1.19	-1.12		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	0.04	0.01	0.01	260.21	ppb
Cobalt	59-2	0.00	0.02	0.01	0.01	102.41	ppb
Copper	63-2	0.05	0.00	0.11	0.05	96.03	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				94		%
Holmium	165-2				94		%
Indium	115-1				94		%
Indium	115-2				95		%
Iron	54-2	1.40	0.63	1.07	1.04	37.55	ppb
Iron	56-2	0.81	0.95	0.76	0.84	11.62	ppb
Iron	57-2	0.32	0.64	1.05	0.67	54.58	ppb
Krypton	83-1						cps
Lead	206-1	0.05	0.05	0.07	0.06	22.70	ppb

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166279BL	Instrumnet Name :	P8
Client Sample ID :	PBS279	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:15:03	DataFile Name :	026CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.04	0.04	0.05	0.05	16.13	ppb
Lead	208-1	0.06	0.05	0.06	0.06	9.35	ppb
Lithium	6-1				88		%
Magnesium	24-2	-1.70	-1.39	-1.01	-1.37		ppb
Manganese	55-2	0.10	-0.02	0.07	0.05	125.50	ppb
Molybdenum	94-1	0.00	-0.01	-0.01	-0.01		ppb
Molybdenum	95-1	0.02	0.02	0.02	0.02	8.65	ppb
Molybdenum	96-1	0.00	0.00	0.02	0.01	185.98	ppb
Molybdenum	97-1	0.00	0.01	0.01	0.01	27.51	ppb
Molybdenum	98-1	0.00	0.00	-0.01	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.19	0.07	0.19	0.15	46.84	ppb
Phosphorus	31-2	-27.65	-15.50	-18.69	-20.61		ppb
Potassium	39-2	7.40	6.29	8.31	7.33	13.80	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				95		%
Scandium	45-2				93		%
Selenium	82-1	0.25	0.09	0.05	0.13	82.07	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-1.56	-0.94	-0.95	-1.15		ppb
Silicon	28-1	-0.01	-0.04	0.01	-0.01		ppb
Silver	107-1	0.02	0.01	0.02	0.02	11.53	ppb
Silver	109-1	0.02	0.01	0.01	0.01	12.69	ppb
Sodium	23-2	5.44	6.20	5.44	5.70	7.68	ppb
Strontium	86-1	-0.30	-0.40	-0.42	-0.37		ppb
Strontium	88-1	-0.17	-0.20	-0.18	-0.18		ppb
Sulfur	34-1	-378.05	-502.52	-433.79	-438.12		ppb
Terbium	159-1				94		%
Terbium	159-2				95		%
Thallium	203-1	0.04	0.04	0.03	0.04	16.02	ppb
Thallium	205-1	0.04	0.04	0.03	0.03	19.48	ppb
Tin	118-1	0.00	0.00	-0.02	-0.01		ppb
Titanium	47-1	0.03	0.00	0.02	0.01	119.32	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166279BL	Instrumnet Name :	P8
Client Sample ID :	PBS279	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:15:03	DataFile Name :	026CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				95		%
Yttrium	89-2				95		%
Zinc	66-2	-0.13	0.14	-0.33	-0.11		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	758.77	ppb
Zirconium	91-1	0.01	0.00	-0.01	0.00	695.73	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166279BS	Instrumnet Name :	P8
Client Sample ID :	LCS279	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:18:28	DataFile Name :	027LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	41.90	41.37	41.42	41.56	0.70	ppb
Antimony	121-1	4.12	3.86	4.12	4.03	3.64	ppb
Arsenic	75-2	2.77	2.31	2.33	2.47	10.48	ppb
Barium	135-1	20.26	20.06	20.56	20.30	1.25	ppb
Barium	137-1	20.66	19.98	20.74	20.46	2.06	ppb
Beryllium	9-1	2.10	2.08	2.08	2.09	0.61	ppb
Bismuth	209-1				91		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Cadmium	108-1	2.14	1.91	2.38	2.14	11.07	ppb
Cadmium	106-1	1.05	0.28	0.21	0.52	90.09	ppb
Cadmium	111-1	2.00	1.94	1.96	1.97	1.47	ppb
Calcium	43-1	1028.51	1020.80	1035.91	1028.41	0.73	ppb
Calcium	44-1	1013.76	1022.27	1020.52	1018.85	0.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.60	3.83	4.03	3.82	5.61	ppb
Cobalt	59-2	2.23	2.03	2.23	2.16	5.34	ppb
Copper	63-2	4.76	4.76	5.05	4.85	3.49	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				92		%
Holmium	165-2				93		%
Indium	115-1				93		%
Indium	115-2				94		%
Iron	54-2	433.64	426.01	426.69	428.78	0.98	ppb
Iron	56-2	425.34	417.72	425.69	422.92	1.07	ppb
Iron	57-2	417.98	419.57	426.26	421.27	1.04	ppb
Krypton	83-1						cps
Lead	206-1	2.03	2.02	1.99	2.01	1.03	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166279BS	Instrumnet Name :	P8
Client Sample ID :	LCS279	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:18:28	DataFile Name :	027LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2.03	2.07	2.02	2.04	1.26	ppb
Lead	208-1	2.03	2.04	2.02	2.03	0.56	ppb
Lithium	6-1				87		%
Magnesium	24-2	967.30	950.16	973.29	963.59	1.25	ppb
Manganese	55-2	2.33	1.90	2.14	2.12	10.23	ppb
Molybdenum	94-1	11.63	11.95	11.79	11.79	1.35	ppb
Molybdenum	95-1	10.03	9.95	10.09	10.02	0.69	ppb
Molybdenum	96-1	10.17	10.09	10.20	10.15	0.54	ppb
Molybdenum	97-1	10.18	10.17	10.19	10.18	0.10	ppb
Molybdenum	98-1	10.03	9.86	9.98	9.96	0.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.29	2.55	2.23	2.36	7.21	ppb
Phosphorus	31-2	44.16	31.50	36.44	37.36	17.07	ppb
Potassium	39-2	978.96	989.36	995.56	987.96	0.85	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				93		%
Scandium	45-2				93		%
Selenium	82-1	9.84	11.08	11.47	10.80	7.91	ppb
Selenium	77-2	12.74	6.38	10.60	9.91	32.68	ppb
Selenium	78-2	10.25	11.51	12.71	11.49	10.72	ppb
Silicon	28-1	1.87	1.92	1.88	1.89	1.25	ppb
Silver	107-1	2.08	1.99	2.03	2.03	1.99	ppb
Silver	109-1	2.04	1.98	2.12	2.05	3.46	ppb
Sodium	23-2	995.10	974.55	1000.79	990.15	1.39	ppb
Strontium	86-1	46.26	48.31	46.26	46.94	2.52	ppb
Strontium	88-1	48.08	47.85	47.92	47.95	0.25	ppb
Sulfur	34-1	-172.37	-147.42	-191.26	-170.35		ppb
Terbium	159-1				92		%
Terbium	159-2				93		%
Thallium	203-1	1.91	1.92	1.89	1.91	0.91	ppb
Thallium	205-1	1.92	1.95	1.94	1.94	0.61	ppb
Tin	118-1	10.14	9.78	10.48	10.13	3.43	ppb
Titanium	47-1	2.59	2.54	2.52	2.55	1.43	ppb
Uranium	238-1	1.85	1.88	1.88	1.87	0.81	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166279BS	Instrumnet Name :	P8
Client Sample ID :	LCS279	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:18:28	DataFile Name :	027LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	10.48	10.50	10.76	10.58	1.47	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				94		%
Yttrium	89-2				94		%
Zinc	66-2	10.59	10.86	10.41	10.62	2.11	ppb
Zirconium	90-1	1.96	1.96	1.95	1.96	0.17	ppb
Zirconium	91-1	2.04	1.95	2.01	2.00	2.19	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166302BL	Instrumnet Name :	P8
Client Sample ID :	PBS302	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:21:50	DataFile Name :	028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.13	-0.18	0.22	0.06	348.37	ppb
Antimony	121-1	0.00	0.01	0.00	0.00	65.58	ppb
Arsenic	75-2	-0.04	-0.01	-0.04	-0.03		ppb
Barium	135-1	0.02	0.00	0.00	0.01	200.49	ppb
Barium	137-1	0.04	0.02	0.02	0.03	32.22	ppb
Beryllium	9-1	0.03	0.02	0.02	0.02	28.15	ppb
Bismuth	209-1				91		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	0.00	-0.06	0.19	0.04	301.94	ppb
Cadmium	106-1	-1.21	-1.47	-2.38	-1.69		ppb
Cadmium	111-1	-0.09	-0.11	-0.19	-0.13		ppb
Calcium	43-1	0.95	-0.27	-1.66	-0.33		ppb
Calcium	44-1	-0.58	-1.62	-1.10	-1.10		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.03	-0.01	0.00	0.01	377.44	ppb
Cobalt	59-2	0.00	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.10	0.02	0.03	0.05	76.89	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				93		%
Holmium	165-2				94		%
Indium	115-1				93		%
Indium	115-2				93		%
Iron	54-2	-0.11	1.04	0.89	0.61	102.39	ppb
Iron	56-2	0.57	0.54	0.51	0.54	5.02	ppb
Iron	57-2	1.13	1.23	-0.05	0.77	92.62	ppb
Krypton	83-1						cps
Lead	206-1	0.04	0.05	0.05	0.04	15.44	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166302BL	Instrumnet Name :	P8
Client Sample ID :	PBS302	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:21:50	DataFile Name :	028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.02	0.04	0.03	0.03	32.40	ppb
Lead	208-1	0.03	0.04	0.04	0.04	7.16	ppb
Lithium	6-1				88		%
Magnesium	24-2	-0.81	-1.35	-0.98	-1.05		ppb
Manganese	55-2	0.05	0.10	0.05	0.07	43.52	ppb
Molybdenum	94-1	0.00	0.00	-0.01	0.00		ppb
Molybdenum	95-1	0.01	0.00	0.00	0.00	176.63	ppb
Molybdenum	96-1	0.00	0.01	0.00	0.00	89.83	ppb
Molybdenum	97-1	-0.01	0.01	0.01	0.00	285.47	ppb
Molybdenum	98-1	-0.01	-0.01	-0.01	-0.01		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.08	0.10	0.12	0.10	17.82	ppb
Phosphorus	31-2	-26.85	-15.51	-21.27	-21.21		ppb
Potassium	39-2	9.07	4.24	8.25	7.19	35.92	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				93		%
Scandium	45-2				91		%
Selenium	82-1	0.02	0.12	0.68	0.27	131.43	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-1.56	-1.56	-0.31	-1.15		ppb
Silicon	28-1	0.01	0.02	0.02	0.01	52.12	ppb
Silver	107-1	0.02	0.01	0.01	0.01	39.73	ppb
Silver	109-1	0.01	0.01	0.02	0.01	20.48	ppb
Sodium	23-2	7.32	4.75	6.49	6.19	21.25	ppb
Strontium	86-1	-0.23	-0.50	-0.31	-0.35		ppb
Strontium	88-1	-0.20	-0.14	-0.21	-0.18		ppb
Sulfur	34-1	-167.54	-167.66	-118.46	-151.22		ppb
Terbium	159-1				93		%
Terbium	159-2				92		%
Thallium	203-1	0.02	0.02	0.03	0.03	17.54	ppb
Thallium	205-1	0.03	0.03	0.02	0.03	11.06	ppb
Tin	118-1	-0.01	-0.01	0.00	0.00		ppb
Titanium	47-1	-0.03	-0.01	-0.02	-0.02		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166302BL	Instrumnet Name :	P8
Client Sample ID :	PBS302	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:21:50	DataFile Name :	028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00	135.58	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				94		%
Yttrium	89-2				93		%
Zinc	66-2	-0.01	0.01	-0.32	-0.11		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	553.95	ppb
Zirconium	91-1	0.00	-0.01	0.00	0.00		ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166302BS	Instrumnet Name :	P8
Client Sample ID :	LCS302	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:26:54	DataFile Name :	029LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	40.66	37.85	40.20	39.57	3.82	ppb
Antimony	121-1	3.96	3.94	3.94	3.95	0.29	ppb
Arsenic	75-2	1.92	2.18	2.29	2.13	8.90	ppb
Barium	135-1	19.75	20.06	19.39	19.73	1.69	ppb
Barium	137-1	19.90	20.40	20.31	20.20	1.31	ppb
Beryllium	9-1	2.11	2.10	2.09	2.10	0.34	ppb
Bismuth	209-1				90		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	1.99	1.84	1.82	1.88	4.96	ppb
Cadmium	106-1	1.06	0.60	1.85	1.17	53.90	ppb
Cadmium	111-1	1.90	1.99	2.06	1.98	4.01	ppb
Calcium	43-1	1116.93	1149.84	1164.94	1143.90	2.15	ppb
Calcium	44-1	1068.35	1082.83	1092.00	1081.06	1.10	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.95	3.89	3.97	3.94	1.16	ppb
Cobalt	59-2	2.13	1.96	2.21	2.10	5.94	ppb
Copper	63-2	4.81	4.90	4.93	4.88	1.31	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				92		%
Holmium	165-2				90		%
Indium	115-1				91		%
Indium	115-2				92		%
Iron	54-2	432.78	427.66	420.82	427.09	1.40	ppb
Iron	56-2	427.42	425.04	428.77	427.08	0.44	ppb
Iron	57-2	420.14	427.03	434.38	427.18	1.67	ppb
Krypton	83-1						cps
Lead	206-1	1.99	2.01	2.00	2.00	0.53	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166302BS	Instrumnet Name :	P8
Client Sample ID :	LCS302	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:26:54	DataFile Name :	029LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2.01	2.00	2.08	2.03	2.17	ppb
Lead	208-1	1.97	2.02	2.05	2.01	1.87	ppb
Lithium	6-1				87		%
Magnesium	24-2	985.16	974.52	994.09	984.59	1.00	ppb
Manganese	55-2	2.33	2.06	2.45	2.28	8.74	ppb
Molybdenum	94-1	11.65	12.12	11.90	11.89	1.99	ppb
Molybdenum	95-1	9.96	10.04	9.90	9.97	0.67	ppb
Molybdenum	96-1	9.95	10.15	10.20	10.10	1.33	ppb
Molybdenum	97-1	9.92	10.12	10.24	10.09	1.61	ppb
Molybdenum	98-1	9.69	10.03	10.03	9.92	2.01	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.09	2.46	2.13	2.22	9.21	ppb
Phosphorus	31-2	23.32	37.89	39.69	33.63	26.70	ppb
Potassium	39-2	1005.23	999.28	1008.18	1004.23	0.45	ppb
Rhodium	103-1				92		%
Rhodium	103-2				92		%
Scandium	45-1				92		%
Scandium	45-2				89		%
Selenium	82-1	11.13	10.35	10.75	10.74	3.66	ppb
Selenium	77-2	6.53	10.75	13.01	10.10	32.57	ppb
Selenium	78-2	9.27	10.39	4.15	7.94	41.92	ppb
Silicon	28-1	1.82	1.88	1.92	1.88	2.78	ppb
Silver	107-1	1.95	2.01	1.97	1.98	1.48	ppb
Silver	109-1	1.98	2.02	2.04	2.01	1.55	ppb
Sodium	23-2	1018.58	991.20	1011.77	1007.19	1.42	ppb
Strontium	86-1	9387.36	9539.65	9468.15	9465.05	0.80	ppb
Strontium	88-1	9813.61	10008.63	9942.75	9921.67	1.00	ppb
Sulfur	34-1	-76.32	-44.13	-16.99	-45.81		ppb
Terbium	159-1				92		%
Terbium	159-2				91		%
Thallium	203-1	1.91	1.93	1.99	1.94	2.34	ppb
Thallium	205-1	1.91	1.97	1.95	1.94	1.67	ppb
Tin	118-1	9.88	10.14	9.82	9.94	1.71	ppb
Titanium	47-1	2.42	2.62	2.65	2.56	4.93	ppb
Uranium	238-1	1.84	1.89	1.94	1.89	2.81	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166302BS	Instrumnet Name :	P8
Client Sample ID :	LCS302	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:26:54	DataFile Name :	029LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	10.61	10.92	10.41	10.65	2.41	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				92		%
Yttrium	89-2				93		%
Zinc	66-2	10.64	11.03	10.44	10.70	2.79	ppb
Zirconium	90-1	1.93	1.99	2.02	1.98	2.46	ppb
Zirconium	91-1	1.91	2.06	2.01	2.00	3.83	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1135-02A	Instrumnet Name :	P8
Client Sample ID :	YE8F7A	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:30:15	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	31339.12	31315.32	31433.54	31362.66	0.20	ppb
Antimony	121-1	0.58	0.59	0.60	0.59	1.30	ppb
Arsenic	75-2	28.50	27.24	28.10	27.95	2.32	ppb
Barium	135-1	365.98	371.17	369.97	369.04	0.74	ppb
Barium	137-1	373.74	377.22	378.07	376.34	0.61	ppb
Beryllium	9-1	1.35	1.29	1.33	1.32	2.17	ppb
Bismuth	209-1				89		%
Bismuth	209-2				89		%
Bromine	81-1						cps
Cadmium	108-1	1.10	1.00	0.89	0.99	10.33	ppb
Cadmium	106-1	2.04	2.36	0.94	1.78	41.70	ppb
Cadmium	111-1	0.51	0.54	0.36	0.47	20.19	ppb
Calcium	43-1	4470.57	4463.18	4533.51	4489.09	0.86	ppb
Calcium	44-1	4662.44	4652.94	4565.48	4626.95	1.16	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	63.52	62.97	63.17	63.22	0.44	ppb
Cobalt	59-2	50.91	51.49	51.08	51.16	0.59	ppb
Copper	63-2	111.14	113.54	114.26	112.98	1.45	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				94		%
Holmium	165-2				94		%
Indium	115-1				90		%
Indium	115-2				92		%
Iron	54-2	102413.04	101789.07	102957.44	102386.52	0.57	ppb
Iron	56-2	101784.29	102204.70	102334.64	102107.88	0.28	ppb
Iron	57-2	103115.42	103873.93	105386.57	104125.31	1.11	ppb
Krypton	83-1						cps
Lead	206-1	24.64	24.45	24.57	24.55	0.39	ppb

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1135-02A	Instrumnet Name :	P8
Client Sample ID :	YE8F7A	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:30:15	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	22.89	22.93	23.34	23.05	1.08	ppb
Lead	208-1	23.42	23.52	23.69	23.55	0.58	ppb
Lithium	6-1				92		%
Magnesium	24-2	18090.58	18394.90	18101.43	18195.64	0.95	ppb
Manganese	55-2	4343.96	4347.50	4301.82	4331.09	0.59	ppb
Molybdenum	94-1	11.66	12.18	11.75	11.86	2.34	ppb
Molybdenum	95-1	10.87	10.91	11.05	10.94	0.83	ppb
Molybdenum	96-1	11.30	11.38	11.30	11.32	0.41	ppb
Molybdenum	97-1	10.87	10.98	11.01	10.95	0.67	ppb
Molybdenum	98-1	10.92	10.86	10.87	10.88	0.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	119.87	119.96	119.81	119.88	0.06	ppb
Phosphorus	31-2	1302.74	1353.07	1219.14	1291.65	5.24	ppb
Potassium	39-2	3586.08	3560.73	3602.51	3583.11	0.59	ppb
Rhodium	103-1				90		%
Rhodium	103-2				91		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	1.48	1.49	1.39	1.45	3.64	ppb
Selenium	77-2	93.35	94.12	129.35	105.61	19.47	ppb
Selenium	78-2	19.87	13.03	24.95	19.28	31.02	ppb
Silicon	28-1	269.25	266.43	270.35	268.68	0.75	ppb
Silver	107-1	0.14	0.12	0.10	0.12	17.87	ppb
Silver	109-1	0.17	0.12	0.11	0.13	24.89	ppb
Sodium	23-2	68.21	67.99	70.07	68.76	1.66	ppb
Strontium	86-1	807.85	816.49	813.46	812.60	0.54	ppb
Strontium	88-1	804.82	819.43	815.61	813.28	0.93	ppb
Sulfur	34-1	-432.69	-440.56	-416.20	-429.81		ppb
Terbium	159-1				94		%
Terbium	159-2				94		%
Thallium	203-1	0.37	0.35	0.35	0.35	3.40	ppb
Thallium	205-1	0.35	0.35	0.35	0.35	0.82	ppb
Tin	118-1	1.39	1.53	1.41	1.44	5.15	ppb
Titanium	47-1	891.29	886.60	888.78	888.89	0.26	ppb
Uranium	238-1	1.80	1.80	1.79	1.80	0.30	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1135-02A	Instrumnet Name :	P8
Client Sample ID :	YE8F7A	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:30:15	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	145.58	145.77	147.76	146.37	0.82	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				109		%
Zinc	66-2	210.67	209.03	206.65	208.79	0.97	ppb
Zirconium	90-1	1.56	1.56	1.55	1.56	0.49	ppb
Zirconium	91-1	1.54	1.58	1.59	1.57	1.69	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-01	Instrumnet Name :	P8
Client Sample ID :	MH2GX0	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:33:34	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19591.58	19652.37	19366.99	19536.98	0.77	ppb
Antimony	121-1	5.02	4.94	4.91	4.96	1.19	ppb
Arsenic	75-2	76.80	78.81	79.33	78.31	1.71	ppb
Barium	135-1	809.32	820.21	812.55	814.03	0.69	ppb
Barium	137-1	878.28	882.44	873.92	878.21	0.48	ppb
Beryllium	9-1	3.30	3.34	3.31	3.32	0.61	ppb
Bismuth	209-1				91		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	25.80	25.31	24.62	25.24	2.34	ppb
Cadmium	106-1	26.02	25.42	25.89	25.78	1.23	ppb
Cadmium	111-1	27.59	28.25	27.89	27.91	1.19	ppb
Calcium	43-1	138123.77	141305.05	141292.68	140240.50	1.31	ppb
Calcium	44-1	138420.69	142194.98	139202.33	139939.33	1.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	42.81	43.77	42.50	43.02	1.54	ppb
Cobalt	59-2	36.51	37.51	36.47	36.83	1.60	ppb
Copper	63-2	650.96	661.64	638.69	650.43	1.77	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				94		%
Holmium	165-2				95		%
Indium	115-1				93		%
Indium	115-2				96		%
Iron	54-2	115276.43	115372.84	114169.47	114939.58	0.58	ppb
Iron	56-2	115586.67	115142.42	114538.36	115089.15	0.46	ppb
Iron	57-2	117704.72	117904.00	116412.84	117340.52	0.69	ppb
Krypton	83-1						cps
Lead	206-1	1916.40	1942.17	1891.32	1916.63	1.33	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-01	Instrumnet Name :	P8
Client Sample ID :	MH2GX0	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:33:34	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1828.96	1882.50	1864.50	1858.65	1.47	ppb
Lead	208-1	1860.24	1881.40	1863.74	1868.46	0.61	ppb
Lithium	6-1				93		%
Magnesium	24-2	13771.91	13875.66	13474.98	13707.52	1.52	ppb
Manganese	55-2	7272.13	7173.34	7181.31	7208.93	0.76	ppb
Molybdenum	94-1	10.73	11.42	11.08	11.08	3.10	ppb
Molybdenum	95-1	6.06	6.28	5.99	6.11	2.45	ppb
Molybdenum	96-1	6.91	7.24	6.94	7.03	2.62	ppb
Molybdenum	97-1	5.91	6.15	5.74	5.93	3.45	ppb
Molybdenum	98-1	5.86	6.07	5.89	5.94	1.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	155.84	161.00	154.32	157.05	2.23	ppb
Phosphorus	31-2	4239.14	4320.70	4101.61	4220.49	2.62	ppb
Potassium	39-2	7019.27	7175.38	7057.59	7084.08	1.15	ppb
Rhodium	103-1				92		%
Rhodium	103-2				94		%
Scandium	45-1				98		%
Scandium	45-2				101		%
Selenium	82-1	2.11	1.92	2.54	2.19	14.51	ppb
Selenium	77-2	52.01	55.62	75.84	61.16	21.01	ppb
Selenium	78-2	9.86	8.21	11.44	9.83	16.41	ppb
Silicon	28-1	166.79	168.03	168.78	167.87	0.60	ppb
Silver	107-1	9.13	9.33	9.23	9.23	1.09	ppb
Silver	109-1	9.24	9.33	9.29	9.29	0.49	ppb
Sodium	23-2	881.24	894.35	876.06	883.88	1.07	ppb
Strontium	86-1	11406.54	11698.76	11409.05	11504.78	1.46	ppb
Strontium	88-1	11921.63	12146.74	11913.05	11993.81	1.10	ppb
Sulfur	34-1	1108.65	1145.68	1093.16	1115.83	2.42	ppb
Terbium	159-1				95		%
Terbium	159-2				96		%
Thallium	203-1	1.30	1.36	1.36	1.34	2.64	ppb
Thallium	205-1	1.36	1.40	1.43	1.40	2.66	ppb
Tin	118-1	35.20	35.67	36.11	35.66	1.28	ppb
Titanium	47-1	306.91	315.87	310.82	311.20	1.44	ppb
Uranium	238-1	4.58	4.57	4.62	4.59	0.59	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-01	Instrumnet Name :	P8
Client Sample ID :	MH2GX0	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:33:34	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	112.03	114.37	111.72	112.71	1.28	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				108		%
Zinc	66-2	5712.73	5773.70	5644.63	5710.35	1.13	ppb
Zirconium	90-1	3.11	3.18	3.11	3.13	1.27	ppb
Zirconium	91-1	3.11	3.22	3.16	3.16	1.67	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-02	Instrumnet Name :	P8
Client Sample ID :	MH2GX0D	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:36:44	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19242.52	19728.33	19325.58	19432.14	1.34	ppb
Antimony	121-1	4.87	4.86	4.81	4.85	0.64	ppb
Arsenic	75-2	79.85	81.65	75.91	79.14	3.71	ppb
Barium	135-1	799.23	808.82	793.21	800.42	0.98	ppb
Barium	137-1	851.31	872.19	844.03	855.84	1.71	ppb
Beryllium	9-1	3.35	3.29	3.28	3.31	1.11	ppb
Bismuth	209-1				92		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	26.76	25.49	26.15	26.14	2.43	ppb
Cadmium	106-1	26.64	25.14	25.26	25.68	3.26	ppb
Cadmium	111-1	27.76	27.86	27.42	27.68	0.82	ppb
Calcium	43-1	134914.22	134403.62	137774.58	135697.47	1.34	ppb
Calcium	44-1	136755.73	135773.19	138047.59	136858.83	0.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	42.22	43.67	42.76	42.88	1.71	ppb
Cobalt	59-2	36.53	37.36	37.28	37.06	1.24	ppb
Copper	63-2	637.01	654.55	648.07	646.54	1.37	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				97		%
Holmium	165-2				96		%
Indium	115-1				96		%
Indium	115-2				97		%
Iron	54-2	115697.54	119289.18	115008.88	116665.20	1.97	ppb
Iron	56-2	115471.62	117937.60	114622.91	116010.71	1.48	ppb
Iron	57-2	116675.35	118921.41	116770.10	117455.62	1.08	ppb
Krypton	83-1						cps
Lead	206-1	1924.87	1904.33	1904.64	1911.28	0.62	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-02	Instrumnet Name :	P8
Client Sample ID :	MH2GX0D	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:36:44	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1848.04	1847.51	1840.84	1845.46	0.22	ppb
Lead	208-1	1871.89	1854.95	1858.82	1861.89	0.48	ppb
Lithium	6-1				95		%
Magnesium	24-2	13601.47	13939.26	13329.25	13623.33	2.24	ppb
Manganese	55-2	7062.46	7291.65	7173.26	7175.79	1.60	ppb
Molybdenum	94-1	10.58	10.94	10.74	10.76	1.67	ppb
Molybdenum	95-1	6.07	6.15	6.16	6.12	0.76	ppb
Molybdenum	96-1	6.94	7.04	6.91	6.97	0.93	ppb
Molybdenum	97-1	6.01	6.08	6.03	6.04	0.64	ppb
Molybdenum	98-1	6.07	6.09	5.96	6.04	1.16	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	156.73	162.11	158.98	159.27	1.70	ppb
Phosphorus	31-2	4194.39	4059.52	3931.60	4061.84	3.24	ppb
Potassium	39-2	7018.40	7115.28	7047.28	7060.32	0.70	ppb
Rhodium	103-1				93		%
Rhodium	103-2				94		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	82-1	2.17	1.60	2.04	1.94	15.30	ppb
Selenium	77-2	61.21	62.82	38.23	54.09	25.43	ppb
Selenium	78-2	7.67	6.55	10.16	8.13	22.75	ppb
Silicon	28-1	161.01	159.38	161.57	160.65	0.71	ppb
Silver	107-1	9.17	9.37	9.06	9.20	1.73	ppb
Silver	109-1	9.23	9.28	9.06	9.19	1.23	ppb
Sodium	23-2	866.04	893.99	862.77	874.27	1.96	ppb
Strontium	86-1	11273.97	11471.91	11326.21	11357.36	0.90	ppb
Strontium	88-1	11790.38	11992.72	11999.96	11927.69	1.00	ppb
Sulfur	34-1	1037.86	1008.05	1048.89	1031.60	2.05	ppb
Terbium	159-1				98		%
Terbium	159-2				96		%
Thallium	203-1	1.34	1.36	1.36	1.35	0.92	ppb
Thallium	205-1	1.38	1.39	1.38	1.38	0.60	ppb
Tin	118-1	34.07	34.09	33.25	33.80	1.42	ppb
Titanium	47-1	305.17	306.80	308.92	306.96	0.61	ppb
Uranium	238-1	4.67	4.68	4.69	4.68	0.22	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-02	Instrumnet Name :	P8
Client Sample ID :	MH2GX0D	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:36:44	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	112.33	114.66	113.03	113.34	1.06	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				109		%
Zinc	66-2	5586.07	5701.06	5673.64	5653.59	1.06	ppb
Zirconium	90-1	3.16	3.13	3.25	3.18	2.02	ppb
Zirconium	91-1	3.02	3.15	3.11	3.09	2.18	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-01LX5	Instrumnet Name :	P8
Client Sample ID :	MH2GX0L	Dilution Factor :	5
Date & Time Acquired :	2025-01-31 16:39:55	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4131.56	3988.71	3931.74	4017.34	2.56	ppb
Antimony	121-1	1.01	0.98	1.01	1.00	1.67	ppb
Arsenic	75-2	17.48	16.64	16.89	17.00	2.52	ppb
Barium	135-1	163.35	160.72	164.14	162.74	1.10	ppb
Barium	137-1	167.87	166.96	166.10	166.98	0.53	ppb
Beryllium	9-1	0.69	0.67	0.73	0.70	4.77	ppb
Bismuth	209-1				91		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	5.15	5.61	5.54	5.43	4.62	ppb
Cadmium	106-1	4.49	5.13	4.30	4.64	9.46	ppb
Cadmium	111-1	5.84	5.74	5.98	5.85	2.08	ppb
Calcium	43-1	27623.48	27530.59	27611.07	27588.38	0.18	ppb
Calcium	44-1	28269.88	28002.31	28479.61	28250.60	0.85	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9.22	8.85	8.86	8.98	2.35	ppb
Cobalt	59-2	7.79	7.66	7.90	7.78	1.53	ppb
Copper	63-2	140.32	138.97	135.93	138.40	1.62	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				94		%
Holmium	165-2				94		%
Indium	115-1				93		%
Indium	115-2				95		%
Iron	54-2	23794.26	23158.37	22777.31	23243.31	2.21	ppb
Iron	56-2	24754.63	24023.35	23932.74	24236.91	1.86	ppb
Iron	57-2	23494.93	23073.31	22857.19	23141.81	1.40	ppb
Krypton	83-1						cps
Lead	206-1	393.05	395.54	391.83	393.47	0.48	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-01LX5	Instrumnet Name :	P8
Client Sample ID :	MH2GX0L	Dilution Factor :	5
Date & Time Acquired :	2025-01-31 16:39:55	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	387.33	375.39	378.04	380.26	1.65	ppb
Lead	208-1	386.00	385.60	383.16	384.92	0.40	ppb
Lithium	6-1				89		%
Magnesium	24-2	2749.27	2711.17	2660.04	2706.83	1.65	ppb
Manganese	55-2	1447.72	1428.82	1410.10	1428.88	1.32	ppb
Molybdenum	94-1	2.19	2.30	2.24	2.24	2.51	ppb
Molybdenum	95-1	1.29	1.26	1.34	1.29	3.30	ppb
Molybdenum	96-1	1.40	1.42	1.45	1.42	1.82	ppb
Molybdenum	97-1	1.25	1.25	1.28	1.26	1.17	ppb
Molybdenum	98-1	1.28	1.25	1.18	1.24	4.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	34.78	34.38	33.75	34.30	1.52	ppb
Phosphorus	31-2	896.71	948.62	868.23	904.52	4.51	ppb
Potassium	39-2	1461.81	1445.73	1432.12	1446.55	1.03	ppb
Rhodium	103-1				94		%
Rhodium	103-2				93		%
Scandium	45-1				96		%
Scandium	45-2				94		%
Selenium	82-1	0.46	0.84	0.65	0.65	29.20	ppb
Selenium	77-2	16.57	6.14	2.03	8.25	90.92	ppb
Selenium	78-2	0.86	3.83	2.60	2.43	61.35	ppb
Silicon	28-1	34.47	33.51	34.40	34.13	1.57	ppb
Silver	107-1	1.91	1.95	1.93	1.93	1.15	ppb
Silver	109-1	1.93	1.90	1.92	1.92	0.84	ppb
Sodium	23-2	188.24	187.24	183.04	186.17	1.48	ppb
Strontium	86-1	2479.34	2444.89	2463.67	2462.63	0.70	ppb
Strontium	88-1	2621.12	2588.42	2590.07	2599.87	0.71	ppb
Sulfur	34-1	38.40	-20.46	22.81	13.58	224.49	ppb
Terbium	159-1				94		%
Terbium	159-2				94		%
Thallium	203-1	0.30	0.27	0.28	0.28	4.77	ppb
Thallium	205-1	0.29	0.29	0.28	0.29	1.26	ppb
Tin	118-1	7.60	7.37	7.48	7.48	1.57	ppb
Titanium	47-1	62.78	62.25	63.35	62.80	0.87	ppb
Uranium	238-1	0.93	0.90	0.92	0.92	2.11	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-01LX5	Instrumnet Name :	P8
Client Sample ID :	MH2GX0L	Dilution Factor :	5
Date & Time Acquired :	2025-01-31 16:39:55	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	23.96	23.53	22.96	23.48	2.13	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				98		%
Zinc	66-2	1230.98	1210.47	1194.90	1212.12	1.49	ppb
Zirconium	90-1	0.66	0.67	0.64	0.66	2.82	ppb
Zirconium	91-1	0.68	0.65	0.62	0.65	4.29	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-03	Instrumnet Name :	P8
Client Sample ID :	MH2GX0S	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:43:11	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20225.20	20141.68	20215.06	20193.98	0.23	ppb
Antimony	121-1	24.14	24.67	24.84	24.55	1.49	ppb
Arsenic	75-2	87.70	90.06	86.35	88.03	2.13	ppb
Barium	135-1	1286.21	1303.34	1312.68	1300.74	1.03	ppb
Barium	137-1	1309.48	1304.16	1324.15	1312.60	0.79	ppb
Beryllium	9-1	13.49	13.51	13.79	13.60	1.20	ppb
Bismuth	209-1				93		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	33.96	34.13	33.64	33.91	0.74	ppb
Cadmium	106-1	33.77	33.96	34.24	33.99	0.69	ppb
Cadmium	111-1	38.01	39.03	38.87	38.64	1.42	ppb
Calcium	43-1	140598.93	142440.70	141373.69	141471.11	0.65	ppb
Calcium	44-1	140062.90	142432.72	142652.06	141715.89	1.01	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	84.55	83.31	82.58	83.48	1.20	ppb
Cobalt	59-2	139.39	139.56	139.24	139.40	0.12	ppb
Copper	63-2	717.49	717.07	718.41	717.65	0.10	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				96		%
Holmium	165-2				96		%
Indium	115-1				95		%
Indium	115-2				97		%
Iron	54-2	118731.34	117821.17	117978.25	118176.92	0.41	ppb
Iron	56-2	118235.78	118482.46	118923.17	118547.14	0.29	ppb
Iron	57-2	119955.48	117999.19	121315.27	119756.64	1.39	ppb
Krypton	83-1						cps
Lead	206-1	1921.71	1948.70	1917.18	1929.20	0.88	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-03	Instrumnet Name :	P8
Client Sample ID :	MH2GX0S	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:43:11	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1878.06	1920.57	1874.59	1891.07	1.35	ppb
Lead	208-1	1890.52	1913.28	1894.10	1899.30	0.64	ppb
Lithium	6-1				96		%
Magnesium	24-2	14146.05	14007.84	13885.61	14013.17	0.93	ppb
Manganese	55-2	7491.85	7438.89	7443.44	7458.06	0.39	ppb
Molybdenum	94-1	11.02	10.93	10.98	10.98	0.43	ppb
Molybdenum	95-1	6.02	6.19	6.16	6.12	1.44	ppb
Molybdenum	96-1	6.98	6.90	7.08	6.99	1.32	ppb
Molybdenum	97-1	6.07	6.09	6.19	6.12	1.02	ppb
Molybdenum	98-1	5.88	5.94	6.00	5.94	1.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	268.93	265.67	265.85	266.81	0.69	ppb
Phosphorus	31-2	4230.97	4507.48	4241.61	4326.69	3.62	ppb
Potassium	39-2	7195.15	7223.49	7168.95	7195.86	0.38	ppb
Rhodium	103-1				93		%
Rhodium	103-2				94		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	82-1	4.98	5.28	5.53	5.26	5.28	ppb
Selenium	77-2	69.44	51.45	69.62	63.50	16.44	ppb
Selenium	78-2	10.74	11.89	9.70	10.78	10.14	ppb
Silicon	28-1	176.70	175.93	176.23	176.29	0.22	ppb
Silver	107-1	18.71	19.13	19.22	19.02	1.45	ppb
Silver	109-1	18.85	19.16	19.51	19.17	1.73	ppb
Sodium	23-2	887.25	897.40	891.13	891.93	0.57	ppb
Strontium	86-1	11469.86	11605.82	11719.63	11598.44	1.08	ppb
Strontium	88-1	11954.54	12215.74	12161.69	12110.66	1.14	ppb
Sulfur	34-1	1149.87	1203.93	1246.25	1200.02	4.03	ppb
Terbium	159-1				97		%
Terbium	159-2				96		%
Thallium	203-1	10.74	10.78	10.73	10.75	0.22	ppb
Thallium	205-1	10.66	10.81	10.59	10.69	1.04	ppb
Tin	118-1	35.38	36.30	36.72	36.13	1.90	ppb
Titanium	47-1	312.32	317.15	320.94	316.80	1.36	ppb
Uranium	238-1	4.70	4.67	4.67	4.68	0.33	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-03	Instrumnet Name :	P8
Client Sample ID :	MH2GX0S	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:43:11	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	218.97	219.86	217.00	218.61	0.67	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				110		%
Yttrium	89-2				109		%
Zinc	66-2	5960.09	5935.10	5957.83	5951.01	0.23	ppb
Zirconium	90-1	3.14	3.17	3.15	3.15	0.43	ppb
Zirconium	91-1	3.18	3.27	3.17	3.21	1.77	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-01	Instrumnet Name :	P8
Client Sample ID :	MH2GW9	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:46:21	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12021.18	11935.39	11689.90	11882.15	1.45	ppb
Antimony	121-1	2.62	2.67	2.63	2.64	0.81	ppb
Arsenic	75-2	45.76	46.52	46.43	46.24	0.90	ppb
Barium	135-1	499.49	514.81	515.63	509.98	1.78	ppb
Barium	137-1	529.43	545.18	541.21	538.61	1.52	ppb
Beryllium	9-1	3.37	3.42	3.47	3.42	1.55	ppb
Bismuth	209-1				94		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Cadmium	108-1	18.01	17.81	17.86	17.89	0.56	ppb
Cadmium	106-1	17.44	17.51	19.51	18.15	6.47	ppb
Cadmium	111-1	18.59	19.17	19.47	19.08	2.35	ppb
Calcium	43-1	159507.58	162401.60	162425.22	161444.80	1.04	ppb
Calcium	44-1	160053.60	160858.56	160504.41	160472.19	0.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	56.16	57.09	56.30	56.51	0.88	ppb
Cobalt	59-2	17.72	17.67	17.95	17.78	0.85	ppb
Copper	63-2	376.33	376.66	374.14	375.71	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				98		%
Holmium	165-2				96		%
Indium	115-1				97		%
Indium	115-2				97		%
Iron	54-2	33808.45	34253.98	33444.78	33835.73	1.20	ppb
Iron	56-2	33318.30	33349.88	32971.21	33213.13	0.63	ppb
Iron	57-2	31868.03	32040.60	31846.38	31918.34	0.33	ppb
Krypton	83-1						cps
Lead	206-1	1552.11	1577.72	1560.71	1563.51	0.83	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-01	Instrumnet Name :	P8
Client Sample ID :	MH2GW9	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:46:21	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1507.95	1531.08	1530.11	1523.05	0.86	ppb
Lead	208-1	1511.82	1538.34	1538.61	1529.59	1.01	ppb
Lithium	6-1				96		%
Magnesium	24-2	10046.82	10016.96	9833.31	9965.70	1.16	ppb
Manganese	55-2	6478.25	6368.93	6358.61	6401.93	1.04	ppb
Molybdenum	94-1	9.22	9.30	9.44	9.32	1.23	ppb
Molybdenum	95-1	2.40	2.54	2.51	2.48	2.99	ppb
Molybdenum	96-1	3.23	3.27	3.32	3.27	1.38	ppb
Molybdenum	97-1	2.37	2.52	2.41	2.43	3.28	ppb
Molybdenum	98-1	2.41	2.40	2.51	2.44	2.30	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	69.59	70.27	69.87	69.91	0.49	ppb
Phosphorus	31-2	3126.61	3119.19	3073.24	3106.35	0.93	ppb
Potassium	39-2	4598.81	4642.50	4562.62	4601.31	0.87	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	1.71	1.42	1.59	1.57	9.29	ppb
Selenium	77-2	42.97	67.41	56.29	55.56	22.03	ppb
Selenium	78-2	9.92	5.02	10.66	8.53	35.96	ppb
Silicon	28-1	556.90	571.61	567.52	565.34	1.34	ppb
Silver	107-1	7.21	7.48	7.48	7.39	2.11	ppb
Silver	109-1	7.28	7.46	7.47	7.40	1.46	ppb
Sodium	23-2	487.55	481.30	476.28	481.71	1.17	ppb
Strontium	86-1	12228.62	12360.42	12289.14	12292.72	0.54	ppb
Strontium	88-1	12712.61	12771.73	12801.30	12761.88	0.35	ppb
Sulfur	34-1	903.26	959.01	953.07	938.45	3.26	ppb
Terbium	159-1				98		%
Terbium	159-2				97		%
Thallium	203-1	0.57	0.58	0.59	0.58	1.75	ppb
Thallium	205-1	0.59	0.60	0.60	0.60	0.63	ppb
Tin	118-1	15.08	15.44	15.66	15.39	1.88	ppb
Titanium	47-1	226.65	230.12	228.01	228.26	0.77	ppb
Uranium	238-1	3.53	3.71	3.62	3.62	2.53	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-01	Instrumnet Name :	P8
Client Sample ID :	MH2GW9	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:46:21	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	63.09	63.74	63.09	63.31	0.60	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				108		%
Zinc	66-2	4094.28	4110.10	4077.61	4094.00	0.40	ppb
Zirconium	90-1	3.86	3.94	3.93	3.91	1.09	ppb
Zirconium	91-1	3.89	3.81	3.91	3.87	1.33	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-02	Instrumnet Name :	P8
Client Sample ID :	MH2GW9D	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:49:33	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12878.38	13037.41	12941.04	12952.27	0.62	ppb
Antimony	121-1	2.85	2.64	2.89	2.79	4.72	ppb
Arsenic	75-2	49.56	48.20	52.68	50.15	4.58	ppb
Barium	135-1	555.49	532.75	570.85	553.03	3.47	ppb
Barium	137-1	607.63	583.02	615.68	602.11	2.83	ppb
Beryllium	9-1	3.64	3.45	3.65	3.58	3.13	ppb
Bismuth	209-1				96		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	20.20	18.89	20.10	19.73	3.70	ppb
Cadmium	106-1	18.58	15.86	20.12	18.19	11.86	ppb
Cadmium	111-1	20.79	19.45	21.06	20.43	4.23	ppb
Calcium	43-1	168476.81	160193.29	173033.66	167234.59	3.89	ppb
Calcium	44-1	169857.25	158232.26	171268.71	166452.74	4.30	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	59.58	60.65	60.32	60.19	0.91	ppb
Cobalt	59-2	19.29	19.30	18.73	19.11	1.71	ppb
Copper	63-2	407.40	407.24	404.17	406.27	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				102		%
Holmium	165-2				96		%
Indium	115-1				100		%
Indium	115-2				97		%
Iron	54-2	37441.51	37187.22	37711.21	37446.65	0.70	ppb
Iron	56-2	36579.18	36669.74	36333.11	36527.34	0.48	ppb
Iron	57-2	34918.95	35245.70	34924.70	35029.78	0.53	ppb
Krypton	83-1						cps
Lead	206-1	1691.63	1551.75	1698.15	1647.17	5.02	ppb

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-02	Instrumnet Name :	P8
Client Sample ID :	MH2GW9D	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:49:33	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1614.01	1500.20	1642.13	1585.45	4.74	ppb
Lead	208-1	1631.62	1503.64	1649.14	1594.80	4.98	ppb
Lithium	6-1				99		%
Magnesium	24-2	10781.60	10852.36	10805.81	10813.26	0.33	ppb
Manganese	55-2	6950.82	7032.37	6916.36	6966.52	0.86	ppb
Molybdenum	94-1	10.10	9.55	10.00	9.88	2.94	ppb
Molybdenum	95-1	2.68	2.47	2.63	2.59	4.15	ppb
Molybdenum	96-1	3.51	3.31	3.55	3.46	3.80	ppb
Molybdenum	97-1	2.56	2.42	2.57	2.52	3.47	ppb
Molybdenum	98-1	2.51	2.36	2.60	2.49	4.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	75.92	76.44	75.06	75.81	0.92	ppb
Phosphorus	31-2	3339.32	3368.80	3314.16	3340.76	0.82	ppb
Potassium	39-2	4970.80	5078.03	5017.08	5021.97	1.07	ppb
Rhodium	103-1				99		%
Rhodium	103-2				95		%
Scandium	45-1				106		%
Scandium	45-2				102		%
Selenium	82-1	2.12	1.08	1.43	1.54	34.25	ppb
Selenium	77-2	44.15	42.21	51.71	46.03	10.91	ppb
Selenium	78-2	7.60	11.33	4.93	7.95	40.46	ppb
Silicon	28-1	619.71	584.08	641.95	615.24	4.74	ppb
Silver	107-1	7.97	7.56	8.25	7.93	4.36	ppb
Silver	109-1	8.05	7.60	8.14	7.93	3.66	ppb
Sodium	23-2	515.45	525.21	526.55	522.40	1.16	ppb
Strontium	86-1	13783.28	13122.78	14038.92	13648.33	3.46	ppb
Strontium	88-1	13708.92	12966.92	13796.74	13490.86	3.38	ppb
Sulfur	34-1	807.52	436.30	973.18	739.00	37.20	ppb
Terbium	159-1				100		%
Terbium	159-2				97		%
Thallium	203-1	0.60	0.57	0.65	0.61	6.01	ppb
Thallium	205-1	0.62	0.59	0.64	0.62	4.21	ppb
Tin	118-1	15.51	15.09	16.15	15.58	3.42	ppb
Titanium	47-1	239.12	226.50	246.13	237.25	4.19	ppb
Uranium	238-1	3.94	3.64	3.87	3.82	4.12	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-02	Instrumnet Name :	P8
Client Sample ID :	MH2GW9D	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:49:33	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	69.64	69.82	67.80	69.08	1.62	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				111		%
Yttrium	89-2				109		%
Zinc	66-2	4414.98	4437.76	4400.13	4417.62	0.43	ppb
Zirconium	90-1	4.27	4.11	4.35	4.24	2.87	ppb
Zirconium	91-1	4.33	4.08	4.31	4.24	3.30	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-01LX5	Instrumnet Name :	P8
Client Sample ID :	MH2GW9L	Dilution Factor :	5
Date & Time Acquired :	2025-01-31 16:52:47	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2270.43	2292.80	2328.79	2297.34	1.28	ppb
Antimony	121-1	0.52	0.52	0.49	0.51	3.00	ppb
Arsenic	75-2	8.98	9.28	9.48	9.25	2.72	ppb
Barium	135-1	96.90	96.48	99.63	97.67	1.75	ppb
Barium	137-1	99.93	99.08	101.01	100.00	0.97	ppb
Beryllium	9-1	0.65	0.72	0.66	0.68	5.79	ppb
Bismuth	209-1				90		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	2.76	3.57	3.47	3.27	13.64	ppb
Cadmium	106-1	2.90	2.71	2.71	2.77	3.99	ppb
Cadmium	111-1	3.66	3.60	3.66	3.64	1.01	ppb
Calcium	43-1	30580.08	30427.80	29700.23	30236.04	1.56	ppb
Calcium	44-1	31583.80	31081.19	30772.15	31145.71	1.32	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	10.56	11.18	11.05	10.93	2.98	ppb
Cobalt	59-2	3.26	3.52	3.37	3.38	3.81	ppb
Copper	63-2	74.06	75.28	74.06	74.47	0.95	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				93		%
Holmium	165-2				93		%
Indium	115-1				93		%
Indium	115-2				95		%
Iron	54-2	6226.08	6336.17	6251.69	6271.31	0.92	ppb
Iron	56-2	6442.89	6513.56	6568.89	6508.45	0.97	ppb
Iron	57-2	6169.18	6311.07	6204.59	6228.28	1.19	ppb
Krypton	83-1						cps
Lead	206-1	288.08	283.25	283.77	285.03	0.93	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-01LX5	Instrumnet Name :	P8
Client Sample ID :	MH2GW9L	Dilution Factor :	5
Date & Time Acquired :	2025-01-31 16:52:47	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	282.13	277.05	279.07	279.41	0.92	ppb
Lead	208-1	293.96	289.97	288.29	290.74	1.00	ppb
Lithium	6-1				88		%
Magnesium	24-2	1883.69	1937.71	1914.59	1912.00	1.42	ppb
Manganese	55-2	1171.80	1183.54	1179.52	1178.29	0.51	ppb
Molybdenum	94-1	1.79	1.85	1.85	1.83	1.92	ppb
Molybdenum	95-1	0.53	0.53	0.51	0.52	2.51	ppb
Molybdenum	96-1	0.67	0.67	0.64	0.66	3.35	ppb
Molybdenum	97-1	0.52	0.48	0.48	0.50	4.93	ppb
Molybdenum	98-1	0.51	0.47	0.48	0.49	3.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	13.93	14.46	13.89	14.09	2.27	ppb
Phosphorus	31-2	613.16	567.75	547.31	576.07	5.85	ppb
Potassium	39-2	882.95	900.12	887.17	890.08	1.01	ppb
Rhodium	103-1				93		%
Rhodium	103-2				95		%
Scandium	45-1				94		%
Scandium	45-2				95		%
Selenium	82-1	1.22	0.49	0.59	0.77	51.46	ppb
Selenium	77-2	6.21	6.19	2.05	4.81	49.80	ppb
Selenium	78-2	0.26	0.25	2.63	1.05	131.40	ppb
Silicon	28-1	109.97	113.26	105.77	109.67	3.43	ppb
Silver	107-1	1.48	1.44	1.45	1.45	1.51	ppb
Silver	109-1	1.51	1.45	1.47	1.48	1.81	ppb
Sodium	23-2	97.20	98.05	100.97	98.74	2.00	ppb
Strontium	86-1	2486.41	2498.86	2482.42	2489.23	0.34	ppb
Strontium	88-1	2680.78	2613.07	2645.52	2646.46	1.28	ppb
Sulfur	34-1	-23.00	-44.34	-130.50	-65.94		ppb
Terbium	159-1				94		%
Terbium	159-2				94		%
Thallium	203-1	0.14	0.13	0.13	0.13	3.51	ppb
Thallium	205-1	0.14	0.12	0.12	0.13	9.25	ppb
Tin	118-1	3.15	3.04	3.17	3.12	2.25	ppb
Titanium	47-1	44.70	45.01	42.93	44.22	2.54	ppb
Uranium	238-1	0.70	0.67	0.68	0.69	2.13	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-01LX5	Instrumnet Name :	P8
Client Sample ID :	MH2GW9L	Dilution Factor :	5
Date & Time Acquired :	2025-01-31 16:52:47	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	11.83	11.83	11.71	11.79	0.61	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				97		%
Zinc	66-2	793.76	807.33	800.01	800.37	0.85	ppb
Zirconium	90-1	0.74	0.71	0.72	0.73	2.16	ppb
Zirconium	91-1	0.67	0.76	0.68	0.71	7.14	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-03	Instrumnet Name :	P8
Client Sample ID :	MH2GW9S	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:56:04	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11106.81	11947.50	11987.47	11680.60	4.26	ppb
Antimony	121-1	20.41	19.27	27.67	22.45	20.28	ppb
Arsenic	75-2	51.44	53.27	51.17	51.96	2.20	ppb
Barium	135-1	855.93	865.28	1236.95	986.06	22.04	ppb
Barium	137-1	922.53	853.45	1246.14	1007.37	20.81	ppb
Beryllium	9-1	12.61	12.06	16.14	13.61	16.27	ppb
Bismuth	209-1				91		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	24.95	23.48	33.34	27.25	19.53	ppb
Cadmium	106-1	23.97	22.01	34.47	26.82	24.98	ppb
Cadmium	111-1	26.76	25.48	36.97	29.74	21.18	ppb
Calcium	43-1	154209.30	142093.90	202994.02	166432.41	19.37	ppb
Calcium	44-1	152607.70	140259.49	204029.54	165632.24	20.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	88.39	94.26	93.39	92.01	3.44	ppb
Cobalt	59-2	108.82	117.01	115.56	113.80	3.84	ppb
Copper	63-2	390.42	417.05	416.66	408.04	3.74	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				95		%
Holmium	165-2				100		%
Indium	115-1				94		%
Indium	115-2				101		%
Iron	54-2	31059.71	33361.59	32866.36	32429.22	3.74	ppb
Iron	56-2	30623.54	32477.27	32732.11	31944.31	3.60	ppb
Iron	57-2	29117.65	31255.66	31259.51	30544.27	4.04	ppb
Krypton	83-1						cps
Lead	206-1	1488.98	1391.76	1995.82	1625.52	19.95	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-03	Instrumnet Name :	P8
Client Sample ID :	MH2GW9S	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:56:04	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1439.15	1331.15	1923.62	1564.64	20.17	ppb
Lead	208-1	1451.28	1346.37	1930.53	1576.06	19.76	ppb
Lithium	6-1				93		%
Magnesium	24-2	8993.45	9684.69	9702.44	9460.20	4.27	ppb
Manganese	55-2	5890.25	6313.23	6358.90	6187.46	4.18	ppb
Molybdenum	94-1	8.80	8.34	11.77	9.64	19.34	ppb
Molybdenum	95-1	2.33	2.31	3.15	2.60	18.48	ppb
Molybdenum	96-1	3.10	3.02	4.27	3.47	20.20	ppb
Molybdenum	97-1	2.30	2.18	3.17	2.55	21.32	ppb
Molybdenum	98-1	2.29	2.22	3.17	2.56	20.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	160.57	172.74	172.57	168.63	4.14	ppb
Phosphorus	31-2	2792.03	3156.28	3216.36	3054.89	7.52	ppb
Potassium	39-2	4244.92	4536.16	4544.14	4441.74	3.84	ppb
Rhodium	103-1				93		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				105		%
Selenium	82-1	4.85	4.49	5.22	4.85	7.55	ppb
Selenium	77-2	47.16	76.99	70.73	64.96	24.22	ppb
Selenium	78-2	9.18	12.39	7.46	9.68	25.85	ppb
Silicon	28-1	535.18	494.72	716.76	582.22	20.31	ppb
Silver	107-1	15.51	14.78	21.44	17.24	21.17	ppb
Silver	109-1	15.94	15.07	21.53	17.51	20.02	ppb
Sodium	23-2	429.06	470.21	467.43	455.56	5.05	ppb
Strontium	86-1	11593.65	10981.57	15751.58	12775.60	20.32	ppb
Strontium	88-1	12234.25	11563.41	16263.20	13353.62	19.04	ppb
Sulfur	34-1	568.10	171.61	2313.20	1017.64	111.96	ppb
Terbium	159-1				96		%
Terbium	159-2				100		%
Thallium	203-1	9.20	8.65	12.45	10.10	20.34	ppb
Thallium	205-1	9.28	8.70	12.38	10.12	19.56	ppb
Tin	118-1	14.40	13.41	19.06	15.62	19.31	ppb
Titanium	47-1	216.61	198.53	287.09	234.08	19.99	ppb
Uranium	238-1	3.45	3.16	4.56	3.72	19.79	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-03	Instrumnet Name :	P8
Client Sample ID :	MH2GW9S	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:56:04	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	150.71	162.59	163.04	158.78	4.40	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				111		%
Zinc	66-2	3795.09	4123.33	4082.02	4000.15	4.47	ppb
Zirconium	90-1	3.70	3.53	4.99	4.07	19.64	ppb
Zirconium	91-1	3.69	3.58	5.11	4.13	20.74	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-01	Instrumnet Name :	P8
Client Sample ID :	YE8C9	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:59:17	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18853.38	18641.25	18740.56	18745.06	0.57	ppb
Antimony	121-1	1.62	1.82	1.63	1.69	6.68	ppb
Arsenic	75-2	60.74	60.46	61.31	60.84	0.71	ppb
Barium	135-1	226.66	255.06	220.52	234.08	7.87	ppb
Barium	137-1	227.03	258.35	223.34	236.24	8.14	ppb
Beryllium	9-1	0.98	1.11	0.89	0.99	11.34	ppb
Bismuth	209-1				95		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Cadmium	108-1	0.61	0.82	0.44	0.62	30.72	ppb
Cadmium	106-1	-0.79	-0.50	-0.41	-0.57		ppb
Cadmium	111-1	0.09	0.12	0.09	0.10	18.22	ppb
Calcium	43-1	5475.41	5980.93	5278.69	5578.34	6.49	ppb
Calcium	44-1	5653.07	6285.19	5495.22	5811.16	7.19	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	46.69	46.08	46.16	46.31	0.72	ppb
Cobalt	59-2	26.37	25.90	25.74	26.01	1.26	ppb
Copper	63-2	95.97	95.87	96.03	95.96	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				100		%
Holmium	165-2				99		%
Indium	115-1				99		%
Indium	115-2				100		%
Iron	54-2	59377.71	58188.60	58990.19	58852.17	1.03	ppb
Iron	56-2	58841.77	57483.92	58389.37	58238.35	1.19	ppb
Iron	57-2	59660.70	59441.20	59190.96	59430.95	0.40	ppb
Krypton	83-1						cps
Lead	206-1	24.46	27.94	23.85	25.42	8.68	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-01	Instrumnet Name :	P8
Client Sample ID :	YE8C9	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:59:17	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	23.13	25.84	22.49	23.82	7.46	ppb
Lead	208-1	23.52	26.46	22.70	24.23	8.16	ppb
Lithium	6-1				99		%
Magnesium	24-2	10104.26	10013.47	10040.09	10052.60	0.46	ppb
Manganese	55-2	475.72	470.17	480.24	475.38	1.06	ppb
Molybdenum	94-1	3.37	3.63	3.19	3.40	6.40	ppb
Molybdenum	95-1	1.79	1.96	1.79	1.85	5.22	ppb
Molybdenum	96-1	2.24	2.53	2.24	2.33	7.20	ppb
Molybdenum	97-1	1.84	1.93	1.68	1.82	7.01	ppb
Molybdenum	98-1	1.75	1.95	1.68	1.79	7.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	72.33	73.17	72.53	72.68	0.60	ppb
Phosphorus	31-2	572.52	559.39	661.68	597.86	9.31	ppb
Potassium	39-2	524.72	530.32	532.67	529.24	0.77	ppb
Rhodium	103-1				100		%
Rhodium	103-2				102		%
Scandium	45-1				105		%
Scandium	45-2				105		%
Selenium	82-1	0.97	1.76	1.39	1.37	28.70	ppb
Selenium	77-2	22.62	34.09	20.60	25.77	28.23	ppb
Selenium	78-2	3.40	1.76	5.56	3.58	53.27	ppb
Silicon	28-1	79.24	82.24	72.37	77.95	6.49	ppb
Silver	107-1	0.39	0.40	0.33	0.37	11.33	ppb
Silver	109-1	0.39	0.40	0.33	0.38	10.02	ppb
Sodium	23-2	91.20	95.25	96.14	94.20	2.79	ppb
Strontium	86-1	1175.07	1323.42	1139.84	1212.77	8.03	ppb
Strontium	88-1	1176.19	1322.74	1145.37	1214.76	7.80	ppb
Sulfur	34-1	-407.36	-34.72	-513.11	-318.40		ppb
Terbium	159-1				101		%
Terbium	159-2				99		%
Thallium	203-1	0.14	0.17	0.14	0.15	11.33	ppb
Thallium	205-1	0.15	0.16	0.14	0.15	9.04	ppb
Tin	118-1	0.49	0.63	0.51	0.54	13.57	ppb
Titanium	47-1	31.53	37.72	31.96	33.74	10.26	ppb
Uranium	238-1	0.43	0.50	0.43	0.45	8.91	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-01	Instrumnet Name :	P8
Client Sample ID :	YE8C9	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:59:17	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	61.04	60.43	60.25	60.57	0.69	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				107		%
Yttrium	89-2				106		%
Zinc	66-2	127.20	124.07	130.52	127.26	2.54	ppb
Zirconium	90-1	1.00	1.11	0.95	1.02	8.03	ppb
Zirconium	91-1	1.08	1.19	0.96	1.08	10.43	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-02	Instrumnet Name :	P8
Client Sample ID :	YE8C9D	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:02:35	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18870.89	19217.32	18857.13	18981.78	1.08	ppb
Antimony	121-1	1.63	1.76	1.72	1.70	4.14	ppb
Arsenic	75-2	62.24	60.42	59.32	60.66	2.43	ppb
Barium	135-1	226.10	234.56	232.45	231.04	1.91	ppb
Barium	137-1	230.88	238.86	236.13	235.29	1.72	ppb
Beryllium	9-1	0.93	0.95	0.94	0.94	0.76	ppb
Bismuth	209-1				96		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Cadmium	108-1	0.64	0.32	0.63	0.53	34.53	ppb
Cadmium	106-1	-1.33	0.30	-1.27	-0.77		ppb
Cadmium	111-1	0.04	0.17	0.07	0.09	71.87	ppb
Calcium	43-1	6374.79	6177.19	5768.43	6106.80	5.06	ppb
Calcium	44-1	6673.78	6417.29	6056.21	6382.43	4.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	46.23	47.46	47.53	47.07	1.55	ppb
Cobalt	59-2	27.77	28.06	28.07	27.96	0.61	ppb
Copper	63-2	94.08	95.62	94.64	94.78	0.83	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				98		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	54-2	58694.53	59431.10	59057.65	59061.09	0.62	ppb
Iron	56-2	58258.42	59014.25	58674.02	58648.89	0.65	ppb
Iron	57-2	59304.43	59433.89	60337.74	59692.02	0.94	ppb
Krypton	83-1						cps
Lead	206-1	25.67	25.31	25.37	25.45	0.76	ppb

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-02	Instrumnet Name :	P8
Client Sample ID :	YE8C9D	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:02:35	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	23.88	23.52	24.10	23.83	1.23	ppb
Lead	208-1	24.36	24.15	24.57	24.36	0.87	ppb
Lithium	6-1				100		%
Magnesium	24-2	10231.19	10289.64	10169.04	10229.96	0.59	ppb
Manganese	55-2	494.95	503.30	495.44	497.90	0.94	ppb
Molybdenum	94-1	3.48	3.44	3.47	3.47	0.57	ppb
Molybdenum	95-1	1.81	1.84	1.76	1.80	2.12	ppb
Molybdenum	96-1	2.16	2.34	2.37	2.29	5.08	ppb
Molybdenum	97-1	1.78	1.91	1.93	1.87	4.22	ppb
Molybdenum	98-1	1.76	1.85	1.77	1.80	2.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	73.65	74.82	73.16	73.87	1.15	ppb
Phosphorus	31-2	687.19	614.75	681.41	661.12	6.09	ppb
Potassium	39-2	563.44	554.57	549.96	555.99	1.23	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				106		%
Scandium	45-2				105		%
Selenium	82-1	1.44	0.81	1.08	1.11	28.47	ppb
Selenium	77-2	17.19	15.07	28.28	20.18	35.15	ppb
Selenium	78-2	0.67	1.75	2.86	1.76	61.97	ppb
Silicon	28-1	74.29	76.56	74.64	75.17	1.63	ppb
Silver	107-1	0.31	0.32	0.30	0.31	2.59	ppb
Silver	109-1	0.31	0.30	0.30	0.30	1.08	ppb
Sodium	23-2	88.61	89.93	95.27	91.27	3.87	ppb
Strontium	86-1	1181.39	1220.42	1200.12	1200.64	1.63	ppb
Strontium	88-1	1177.29	1229.66	1193.25	1200.07	2.24	ppb
Sulfur	34-1	-276.76	-212.82	-231.07	-240.22		ppb
Terbium	159-1				102		%
Terbium	159-2				99		%
Thallium	203-1	0.14	0.15	0.15	0.15	2.87	ppb
Thallium	205-1	0.13	0.14	0.15	0.14	5.00	ppb
Tin	118-1	0.56	0.59	0.59	0.58	3.07	ppb
Titanium	47-1	32.71	38.07	32.45	34.41	9.21	ppb
Uranium	238-1	0.46	0.45	0.46	0.45	1.55	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-02	Instrumnet Name :	P8
Client Sample ID :	YE8C9D	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:02:35	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	61.18	62.42	62.43	62.01	1.16	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				106		%
Zinc	66-2	127.55	130.17	124.23	127.32	2.34	ppb
Zirconium	90-1	1.03	1.04	1.03	1.03	0.82	ppb
Zirconium	91-1	0.98	1.11	1.21	1.10	10.68	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-01LX5	Instrumnet Name :	P8
Client Sample ID :	YE8C9L	Dilution Factor :	5
Date & Time Acquired :	2025-01-31 17:05:55	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3397.05	3748.52	3776.00	3640.52	5.80	ppb
Antimony	121-1	0.33	0.33	0.33	0.33	1.24	ppb
Arsenic	75-2	11.47	12.46	11.94	11.96	4.11	ppb
Barium	135-1	45.06	45.38	45.04	45.16	0.42	ppb
Barium	137-1	45.95	46.45	45.65	46.02	0.88	ppb
Beryllium	9-1	0.19	0.20	0.18	0.19	5.96	ppb
Bismuth	209-1				92		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	0.07	0.15	0.10	0.11	37.61	ppb
Cadmium	106-1	-0.89	-0.75	-1.22	-0.95		ppb
Cadmium	111-1	-0.02	-0.02	-0.05	-0.03		ppb
Calcium	43-1	1111.58	1137.71	1097.81	1115.70	1.82	ppb
Calcium	44-1	1108.47	1116.59	1110.34	1111.80	0.38	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8.38	9.35	9.55	9.09	6.91	ppb
Cobalt	59-2	4.91	5.26	5.41	5.19	4.90	ppb
Copper	63-2	17.79	19.51	20.28	19.19	6.65	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				96		%
Holmium	165-2				98		%
Indium	115-1				96		%
Indium	115-2				99		%
Iron	54-2	10112.64	11244.90	11517.74	10958.43	6.80	ppb
Iron	56-2	10499.18	11533.02	11891.80	11308.00	6.39	ppb
Iron	57-2	9900.93	11123.57	11363.11	10795.87	7.26	ppb
Krypton	83-1						cps
Lead	206-1	4.84	4.84	5.02	4.90	2.07	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-01LX5	Instrumnet Name :	P8
Client Sample ID :	YE8C9L	Dilution Factor :	5
Date & Time Acquired :	2025-01-31 17:05:55	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	4.62	4.58	4.57	4.59	0.57	ppb
Lead	208-1	4.70	4.65	4.71	4.69	0.75	ppb
Lithium	6-1				92		%
Magnesium	24-2	1786.67	1999.44	2012.63	1932.91	6.56	ppb
Manganese	55-2	85.29	96.00	97.18	92.82	7.06	ppb
Molybdenum	94-1	0.69	0.72	0.65	0.69	5.06	ppb
Molybdenum	95-1	0.36	0.34	0.36	0.35	2.54	ppb
Molybdenum	96-1	0.42	0.48	0.47	0.46	7.02	ppb
Molybdenum	97-1	0.36	0.44	0.42	0.41	10.16	ppb
Molybdenum	98-1	0.34	0.39	0.36	0.36	6.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	13.34	14.82	15.88	14.68	8.69	ppb
Phosphorus	31-2	98.11	104.15	110.11	104.12	5.76	ppb
Potassium	39-2	92.41	112.28	113.34	106.01	11.12	ppb
Rhodium	103-1				97		%
Rhodium	103-2				101		%
Scandium	45-1				98		%
Scandium	45-2				100		%
Selenium	82-1	0.73	0.92	0.32	0.66	46.83	ppb
Selenium	77-2	16.58	0.00	2.04	6.21	145.69	ppb
Selenium	78-2	-0.48	0.24	-0.37	-0.20		ppb
Silicon	28-1	15.07	15.46	17.14	15.89	6.91	ppb
Silver	107-1	0.07	0.07	0.06	0.07	8.30	ppb
Silver	109-1	0.07	0.06	0.08	0.07	10.76	ppb
Sodium	23-2	21.96	29.23	30.64	27.28	17.07	ppb
Strontium	86-1	242.36	241.25	244.92	242.85	0.77	ppb
Strontium	88-1	240.47	245.38	243.02	242.95	1.01	ppb
Sulfur	34-1	-220.95	-248.53	-326.99	-265.49		ppb
Terbium	159-1				97		%
Terbium	159-2				99		%
Thallium	203-1	0.04	0.04	0.03	0.04	10.36	ppb
Thallium	205-1	0.04	0.04	0.04	0.04	10.04	ppb
Tin	118-1	0.31	0.30	0.30	0.30	3.16	ppb
Titanium	47-1	6.49	6.28	6.29	6.35	1.86	ppb
Uranium	238-1	0.08	0.09	0.08	0.08	7.43	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-01LX5	Instrumnet Name :	P8
Client Sample ID :	YE8C9L	Dilution Factor :	5
Date & Time Acquired :	2025-01-31 17:05:55	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	10.92	11.97	12.41	11.77	6.50	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				101		%
Zinc	66-2	23.27	26.46	25.27	25.00	6.44	ppb
Zirconium	90-1	0.19	0.20	0.21	0.20	6.46	ppb
Zirconium	91-1	0.23	0.23	0.21	0.22	7.20	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-03	Instrumnet Name :	P8
Client Sample ID :	YE8C9S	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:09:15	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17925.38	17932.87	18098.24	17985.50	0.54	ppb
Antimony	121-1	1.04	1.00	0.96	1.00	3.63	ppb
Arsenic	75-2	46.67	46.08	46.99	46.58	0.99	ppb
Barium	135-1	234.81	234.31	226.27	231.80	2.07	ppb
Barium	137-1	237.94	237.55	229.83	235.11	1.95	ppb
Beryllium	9-1	0.84	0.84	0.81	0.83	2.02	ppb
Bismuth	209-1				97		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Cadmium	108-1	2.09	1.29	1.35	1.58	28.29	ppb
Cadmium	106-1	-0.84	-1.05	0.04	-0.62		ppb
Cadmium	111-1	0.20	0.16	0.28	0.21	29.30	ppb
Calcium	43-1	6599.85	6598.64	6442.22	6546.91	1.38	ppb
Calcium	44-1	6531.34	6454.87	6292.23	6426.14	1.90	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	42.40	41.80	42.29	42.16	0.76	ppb
Cobalt	59-2	48.73	48.64	48.94	48.77	0.32	ppb
Copper	63-2	82.76	83.48	83.86	83.37	0.67	ppb
Dysprosium	156-1						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				99		%
Indium	115-2				100		%
Iron	54-2	52027.63	51900.70	52428.36	52118.90	0.53	ppb
Iron	56-2	51440.42	51508.06	52047.60	51665.36	0.64	ppb
Iron	57-2	49056.94	49312.63	49828.08	49399.22	0.80	ppb
Krypton	83-1						cps
Lead	206-1	25.91	26.09	24.88	25.63	2.55	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-03	Instrumnet Name :	P8
Client Sample ID :	YE8C9S	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:09:15	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	24.94	24.71	24.07	24.57	1.83	ppb
Lead	208-1	25.04	25.15	24.15	24.78	2.22	ppb
Lithium	6-1				98		%
Magnesium	24-2	9863.64	9872.68	10020.47	9918.93	0.89	ppb
Manganese	55-2	851.54	861.19	867.13	859.95	0.91	ppb
Molybdenum	94-1	107.37	106.94	102.89	105.74	2.34	ppb
Molybdenum	95-1	128.71	128.27	123.10	126.69	2.47	ppb
Molybdenum	96-1	125.22	124.99	121.05	123.75	1.89	ppb
Molybdenum	97-1	129.38	129.99	123.04	127.47	3.02	ppb
Molybdenum	98-1	127.59	127.61	121.93	125.71	2.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	79.11	80.31	81.48	80.30	1.47	ppb
Phosphorus	31-2	568.90	545.69	470.74	528.44	9.71	ppb
Potassium	39-2	571.97	589.93	587.38	583.09	1.67	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				105		%
Scandium	45-2				105		%
Selenium	82-1	0.51	0.57	1.19	0.76	49.38	ppb
Selenium	77-2	18.96	24.73	13.30	19.00	30.09	ppb
Selenium	78-2	3.99	1.78	7.34	4.37	64.05	ppb
Silicon	28-1	224.65	222.84	217.35	221.61	1.72	ppb
Silver	107-1	0.32	0.29	0.30	0.30	4.71	ppb
Silver	109-1	0.29	0.32	0.31	0.31	3.45	ppb
Sodium	23-2	136.81	140.81	145.06	140.89	2.93	ppb
Strontium	86-1	95464.31	95375.02	91606.85	94148.73	2.34	ppb
Strontium	88-1	95295.36	95450.67	90281.60	93675.88	3.14	ppb
Sulfur	34-1	-238.21	-292.71	-310.77	-280.56		ppb
Terbium	159-1				100		%
Terbium	159-2				98		%
Thallium	203-1	0.16	0.14	0.12	0.14	16.12	ppb
Thallium	205-1	0.14	0.14	0.15	0.14	2.70	ppb
Tin	118-1	0.50	0.47	0.45	0.47	6.07	ppb
Titanium	47-1	27.36	32.83	29.62	29.94	9.17	ppb
Uranium	238-1	0.41	0.42	0.40	0.41	2.42	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-03	Instrumnet Name :	P8
Client Sample ID :	YE8C9S	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:09:15	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	53.66	53.28	54.87	53.94	1.54	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				106		%
Yttrium	89-2				105		%
Zinc	66-2	126.46	123.77	125.07	125.10	1.08	ppb
Zirconium	90-1	0.76	0.76	0.72	0.75	3.19	ppb
Zirconium	91-1	0.75	1.03	0.75	0.84	18.86	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-04	Instrumnet Name :	P8
Client Sample ID :	MH2GZ1	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:12:33	DataFile Name :	043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18305.51	17784.55	17372.42	17820.83	2.62	ppb
Antimony	121-1	1.52	1.45	1.50	1.49	2.53	ppb
Arsenic	75-2	20.73	20.14	21.37	20.75	2.96	ppb
Barium	135-1	607.19	594.99	612.30	604.83	1.47	ppb
Barium	137-1	646.62	640.52	655.95	647.70	1.20	ppb
Beryllium	9-1	1.76	1.79	1.73	1.76	1.80	ppb
Bismuth	209-1				93		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	4.01	3.66	3.40	3.69	8.26	ppb
Cadmium	106-1	2.84	2.48	5.05	3.46	40.17	ppb
Cadmium	111-1	3.66	3.30	3.72	3.56	6.32	ppb
Calcium	43-1	169835.41	172013.44	171714.62	171187.83	0.69	ppb
Calcium	44-1	170148.98	169704.68	171433.35	170429.00	0.53	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	27.28	26.54	25.90	26.57	2.60	ppb
Cobalt	59-2	20.19	19.50	18.90	19.53	3.31	ppb
Copper	63-2	93.95	90.71	89.66	91.44	2.44	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	54-2	47424.57	45856.57	45313.76	46198.30	2.37	ppb
Iron	56-2	46515.92	44828.99	44008.21	45117.71	2.83	ppb
Iron	57-2	44554.14	43235.63	42303.89	43364.55	2.61	ppb
Krypton	83-1						cps
Lead	206-1	208.21	205.96	209.36	207.84	0.83	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-04	Instrumnet Name :	P8
Client Sample ID :	MH2GZ1	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:12:33	DataFile Name :	043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	200.88	199.28	202.19	200.78	0.73	ppb
Lead	208-1	209.70	207.04	212.20	209.65	1.23	ppb
Lithium	6-1				101		%
Magnesium	24-2	13342.42	13121.17	12587.26	13016.95	2.98	ppb
Manganese	55-2	1208.98	1171.00	1143.95	1174.64	2.78	ppb
Molybdenum	94-1	6.92	6.95	6.73	6.87	1.71	ppb
Molybdenum	95-1	4.61	4.62	4.52	4.58	1.22	ppb
Molybdenum	96-1	5.00	5.02	4.99	5.00	0.35	ppb
Molybdenum	97-1	4.55	4.63	4.41	4.53	2.47	ppb
Molybdenum	98-1	4.48	4.54	4.45	4.49	1.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	94.51	92.40	90.87	92.59	1.98	ppb
Phosphorus	31-2	4072.95	3943.84	3904.68	3973.82	2.22	ppb
Potassium	39-2	4932.02	4799.47	4687.52	4806.33	2.55	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				107		%
Scandium	45-2				106		%
Selenium	82-1	1.84	1.58	2.22	1.88	17.25	ppb
Selenium	77-2	72.98	57.80	60.88	63.89	12.56	ppb
Selenium	78-2	9.90	8.69	9.13	9.24	6.62	ppb
Silicon	28-1	87.75	84.90	83.43	85.36	2.57	ppb
Silver	107-1	0.91	0.87	0.87	0.88	2.53	ppb
Silver	109-1	0.87	0.92	0.90	0.90	2.89	ppb
Sodium	23-2	697.78	684.32	659.33	680.48	2.87	ppb
Strontium	86-1	8821.19	8968.28	8801.72	8863.73	1.03	ppb
Strontium	88-1	9272.74	9294.17	9138.48	9235.13	0.91	ppb
Sulfur	34-1	1354.09	1391.00	1436.65	1393.91	2.97	ppb
Terbium	159-1				102		%
Terbium	159-2				100		%
Thallium	203-1	0.69	0.70	0.72	0.70	2.18	ppb
Thallium	205-1	0.70	0.69	0.68	0.69	1.26	ppb
Tin	118-1	6.40	6.38	6.51	6.43	1.11	ppb
Titanium	47-1	204.29	207.41	206.79	206.16	0.80	ppb
Uranium	238-1	4.03	3.96	3.92	3.97	1.45	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-04	Instrumnet Name :	P8
Client Sample ID :	MH2GZ1	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:12:33	DataFile Name :	043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	109.78	106.96	104.12	106.95	2.65	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				115		%
Yttrium	89-2				114		%
Zinc	66-2	576.96	564.10	553.05	564.70	2.12	ppb
Zirconium	90-1	1.66	1.67	1.68	1.67	0.56	ppb
Zirconium	91-1	1.59	1.77	1.54	1.63	7.29	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-05	Instrumnet Name :	P8
Client Sample ID :	MH2GZ2	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:15:48	DataFile Name :	044AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19154.15	19233.97	19369.11	19252.41	0.56	ppb
Antimony	121-1	3.96	4.10	3.94	4.00	2.11	ppb
Arsenic	75-2	41.03	39.13	38.26	39.47	3.59	ppb
Barium	135-1	690.56	700.57	695.62	695.58	0.72	ppb
Barium	137-1	739.87	752.25	754.26	748.79	1.04	ppb
Beryllium	9-1	3.65	3.68	3.62	3.65	0.79	ppb
Bismuth	209-1				94		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	16.89	17.43	16.29	16.87	3.40	ppb
Cadmium	106-1	14.32	17.11	15.84	15.75	8.88	ppb
Cadmium	111-1	11.07	11.24	11.19	11.17	0.77	ppb
Calcium	43-1	176981.25	177855.76	180593.85	178476.96	1.06	ppb
Calcium	44-1	176625.07	179172.56	178501.90	178099.84	0.74	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	202.42	205.17	203.72	203.77	0.68	ppb
Cobalt	59-2	25.09	25.00	25.20	25.10	0.39	ppb
Copper	63-2	311.90	315.30	316.49	314.56	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				103		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	54-2	104527.90	102002.42	103256.46	103262.26	1.22	ppb
Iron	56-2	101671.26	102660.54	102048.78	102126.86	0.49	ppb
Iron	57-2	102790.51	103939.14	105737.56	104155.74	1.43	ppb
Krypton	83-1						cps
Lead	206-1	1069.35	1042.66	1070.37	1060.79	1.48	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-05	Instrumnet Name :	P8
Client Sample ID :	MH2GZ2	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:15:48	DataFile Name :	044AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1048.24	1018.10	1021.83	1029.39	1.60	ppb
Lead	208-1	1029.04	1009.38	1027.44	1021.95	1.07	ppb
Lithium	6-1				100		%
Magnesium	24-2	39043.45	39382.73	40200.69	39542.29	1.50	ppb
Manganese	55-2	5765.10	5849.73	5922.37	5845.73	1.35	ppb
Molybdenum	94-1	16.99	17.62	17.52	17.38	1.95	ppb
Molybdenum	95-1	7.46	7.66	7.68	7.60	1.63	ppb
Molybdenum	96-1	8.90	9.22	9.08	9.06	1.76	ppb
Molybdenum	97-1	7.45	7.85	7.76	7.69	2.76	ppb
Molybdenum	98-1	7.38	7.62	7.62	7.54	1.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	106.52	106.89	107.97	107.13	0.71	ppb
Phosphorus	31-2	4190.87	3888.61	4290.12	4123.20	5.07	ppb
Potassium	39-2	5569.55	5607.37	5613.60	5596.84	0.43	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				109		%
Scandium	45-2				107		%
Selenium	82-1	1.23	2.21	2.48	1.98	33.31	ppb
Selenium	77-2	60.02	31.98	59.61	50.54	31.81	ppb
Selenium	78-2	8.77	5.20	5.11	6.36	32.86	ppb
Silicon	28-1	715.91	715.34	724.09	718.45	0.68	ppb
Silver	107-1	3.07	3.04	3.08	3.06	0.65	ppb
Silver	109-1	3.00	3.09	3.15	3.08	2.55	ppb
Sodium	23-2	730.17	727.61	743.86	733.88	1.19	ppb
Strontium	86-1	11430.82	11678.91	11615.36	11575.03	1.11	ppb
Strontium	88-1	11973.92	12231.56	12243.19	12149.56	1.25	ppb
Sulfur	34-1	1191.71	1213.06	1288.04	1230.94	4.11	ppb
Terbium	159-1				103		%
Terbium	159-2				100		%
Thallium	203-1	0.57	0.56	0.53	0.55	4.51	ppb
Thallium	205-1	0.55	0.55	0.55	0.55	0.69	ppb
Tin	118-1	24.53	24.43	24.89	24.61	0.98	ppb
Titanium	47-1	458.95	460.85	465.40	461.73	0.72	ppb
Uranium	238-1	5.03	5.01	4.96	5.00	0.68	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-05	Instrumnet Name :	P8
Client Sample ID :	MH2GZ2	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:15:48	DataFile Name :	044AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	112.18	113.84	114.33	113.45	0.99	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				115		%
Yttrium	89-2				113		%
Zinc	66-2	3678.92	3695.29	3698.97	3691.06	0.29	ppb
Zirconium	90-1	5.84	6.04	5.86	5.91	1.91	ppb
Zirconium	91-1	6.03	6.09	6.09	6.07	0.55	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-06	Instrumnet Name :	P8
Client Sample ID :	MH2GZ3	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:18:59	DataFile Name :	045AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19272.94	18101.27	18514.15	18629.45	3.19	ppb
Antimony	121-1	4.31	4.60	4.50	4.47	3.39	ppb
Arsenic	75-2	62.22	61.06	62.35	61.88	1.14	ppb
Barium	135-1	1036.81	1091.31	1091.26	1073.13	2.93	ppb
Barium	137-1	1050.69	1097.57	1081.54	1076.60	2.21	ppb
Beryllium	9-1	3.50	3.65	3.60	3.58	2.15	ppb
Bismuth	209-1				97		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Cadmium	108-1	24.62	25.52	24.59	24.91	2.12	ppb
Cadmium	106-1	24.36	24.42	25.39	24.72	2.35	ppb
Cadmium	111-1	25.45	26.80	26.78	26.34	2.93	ppb
Calcium	43-1	234939.83	243132.11	245016.47	241029.47	2.22	ppb
Calcium	44-1	235306.95	244269.79	244875.70	241484.15	2.22	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	55.43	51.84	52.99	53.42	3.43	ppb
Cobalt	59-2	35.80	32.89	34.63	34.44	4.25	ppb
Copper	63-2	707.75	653.43	679.07	680.08	4.00	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				102		%
Indium	115-1				103		%
Indium	115-2				103		%
Iron	54-2	107888.32	100590.66	104527.90	104335.63	3.50	ppb
Iron	56-2	107598.82	98137.62	102592.74	102776.39	4.61	ppb
Iron	57-2	110005.19	100197.82	105041.42	105081.48	4.67	ppb
Krypton	83-1						cps
Lead	206-1	1696.52	1716.01	1744.86	1719.13	1.41	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-06	Instrumnet Name :	P8
Client Sample ID :	MH2GZ3	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:18:59	DataFile Name :	045AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1621.82	1687.93	1681.75	1663.83	2.19	ppb
Lead	208-1	1633.32	1697.26	1690.59	1673.72	2.10	ppb
Lithium	6-1				101		%
Magnesium	24-2	19321.04	18188.29	18394.71	18634.68	3.24	ppb
Manganese	55-2	6893.62	6292.42	6540.50	6575.52	4.59	ppb
Molybdenum	94-1	12.28	12.65	12.81	12.58	2.16	ppb
Molybdenum	95-1	5.32	5.60	5.69	5.54	3.55	ppb
Molybdenum	96-1	6.39	6.62	6.77	6.59	2.93	ppb
Molybdenum	97-1	5.24	5.60	5.72	5.52	4.49	ppb
Molybdenum	98-1	5.20	5.46	5.51	5.39	3.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	128.21	118.75	122.79	123.25	3.85	ppb
Phosphorus	31-2	3930.12	3533.17	3788.13	3750.48	5.36	ppb
Potassium	39-2	5534.37	5148.43	5330.41	5337.73	3.62	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				112		%
Scandium	45-2				111		%
Selenium	82-1	2.67	2.05	1.72	2.15	22.29	ppb
Selenium	77-2	66.58	61.36	52.74	60.22	11.61	ppb
Selenium	78-2	9.21	14.95	7.40	10.52	37.44	ppb
Silicon	28-1	164.07	171.80	172.17	169.35	2.70	ppb
Silver	107-1	9.25	9.76	9.60	9.54	2.73	ppb
Silver	109-1	9.39	9.82	9.83	9.68	2.59	ppb
Sodium	23-2	580.28	536.81	561.45	559.52	3.90	ppb
Strontium	86-1	17476.35	18393.42	18167.94	18012.57	2.65	ppb
Strontium	88-1	17253.77	18079.01	18196.84	17843.21	2.88	ppb
Sulfur	34-1	645.77	811.21	867.64	774.87	14.88	ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	1.18	1.22	1.22	1.21	1.72	ppb
Thallium	205-1	1.20	1.21	1.22	1.21	0.95	ppb
Tin	118-1	34.23	35.75	35.86	35.28	2.58	ppb
Titanium	47-1	300.47	314.89	313.79	309.72	2.59	ppb
Uranium	238-1	4.42	4.51	4.58	4.50	1.78	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-06	Instrumnet Name :	P8
Client Sample ID :	MH2GZ3	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:18:59	DataFile Name :	045AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	113.15	104.63	109.09	108.96	3.91	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				118		%
Yttrium	89-2				118		%
Zinc	66-2	5311.33	4897.03	5042.97	5083.77	4.13	ppb
Zirconium	90-1	4.08	4.42	4.37	4.29	4.26	ppb
Zirconium	91-1	4.12	4.33	4.33	4.26	2.85	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-07	Instrumnet Name :	P8
Client Sample ID :	MH2GZ4	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:22:06	DataFile Name :	046AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20653.17	21302.01	21023.82	20993.00	1.55	ppb
Antimony	121-1	4.52	4.68	4.67	4.62	1.93	ppb
Arsenic	75-2	75.34	74.56	76.96	75.62	1.62	ppb
Barium	135-1	1150.51	1213.87	1208.86	1191.08	2.96	ppb
Barium	137-1	1154.18	1229.10	1202.29	1195.19	3.18	ppb
Beryllium	9-1	4.17	4.39	4.39	4.32	2.95	ppb
Bismuth	209-1				98		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Cadmium	108-1	32.81	34.36	33.11	33.43	2.46	ppb
Cadmium	106-1	31.38	34.50	33.33	33.07	4.76	ppb
Cadmium	111-1	34.28	35.88	35.91	35.36	2.64	ppb
Calcium	43-1	202382.08	212578.07	209367.50	208109.21	2.51	ppb
Calcium	44-1	204090.89	212726.85	209930.13	208915.96	2.11	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	43.44	44.74	44.52	44.23	1.57	ppb
Cobalt	59-2	42.48	43.35	42.63	42.82	1.09	ppb
Copper	63-2	852.10	884.48	858.05	864.88	1.99	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				102		%
Holmium	165-2				98		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	54-2	123146.49	127287.99	125449.77	125294.75	1.66	ppb
Iron	56-2	124365.28	126843.15	124383.15	125197.20	1.14	ppb
Iron	57-2	125470.43	126891.60	126474.20	126278.74	0.58	ppb
Krypton	83-1						cps
Lead	206-1	1933.01	2052.30	2026.71	2004.00	3.13	ppb

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-07	Instrumnet Name :	P8
Client Sample ID :	MH2GZ4	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:22:06	DataFile Name :	046AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1913.74	1960.99	1987.04	1953.92	1.90	ppb
Lead	208-1	1920.13	1998.52	1992.53	1970.39	2.21	ppb
Lithium	6-1				99		%
Magnesium	24-2	13264.50	13649.68	13579.44	13497.87	1.52	ppb
Manganese	55-2	6402.53	6612.95	6471.50	6495.66	1.65	ppb
Molybdenum	94-1	10.86	11.70	11.65	11.40	4.15	ppb
Molybdenum	95-1	4.07	4.40	4.31	4.26	4.01	ppb
Molybdenum	96-1	5.37	5.52	5.47	5.45	1.32	ppb
Molybdenum	97-1	4.23	4.29	4.55	4.35	3.96	ppb
Molybdenum	98-1	4.03	4.21	4.26	4.17	2.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	157.68	161.96	160.31	159.98	1.35	ppb
Phosphorus	31-2	3562.19	3484.72	3436.87	3494.59	1.81	ppb
Potassium	39-2	5588.14	5748.58	5678.99	5671.90	1.42	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				108		%
Scandium	45-2				106		%
Selenium	82-1	1.69	1.79	1.64	1.71	4.58	ppb
Selenium	77-2	70.87	60.89	74.66	68.81	10.34	ppb
Selenium	78-2	7.26	12.59	9.37	9.74	27.60	ppb
Silicon	28-1	110.46	114.95	114.80	113.40	2.25	ppb
Silver	107-1	13.90	14.65	14.65	14.40	2.99	ppb
Silver	109-1	14.15	14.77	14.78	14.57	2.48	ppb
Sodium	23-2	556.22	566.75	569.36	564.11	1.23	ppb
Strontium	86-1	16546.78	17163.94	17461.28	17057.34	2.73	ppb
Strontium	88-1	16587.03	17341.84	17381.12	17103.33	2.62	ppb
Sulfur	34-1	747.24	918.94	881.12	849.10	10.63	ppb
Terbium	159-1				102		%
Terbium	159-2				99		%
Thallium	203-1	1.71	1.80	1.82	1.77	3.34	ppb
Thallium	205-1	1.67	1.78	1.78	1.75	3.55	ppb
Tin	118-1	28.56	29.88	29.71	29.38	2.44	ppb
Titanium	47-1	299.21	313.03	310.63	307.62	2.40	ppb
Uranium	238-1	4.35	4.57	4.52	4.48	2.60	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-07	Instrumnet Name :	P8
Client Sample ID :	MH2GZ4	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:22:06	DataFile Name :	046AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	114.36	115.79	114.97	115.04	0.62	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				116		%
Yttrium	89-2				113		%
Zinc	66-2	6522.77	6651.64	6661.57	6611.99	1.17	ppb
Zirconium	90-1	4.20	4.28	4.37	4.28	2.01	ppb
Zirconium	91-1	4.14	4.35	4.34	4.28	2.78	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-08	Instrumnet Name :	P8
Client Sample ID :	MH2GZ5	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:25:15	DataFile Name :	047AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22200.11	22023.91	21773.81	21999.28	0.97	ppb
Antimony	121-1	3.46	3.73	3.66	3.61	3.89	ppb
Arsenic	75-2	71.33	74.62	73.91	73.29	2.36	ppb
Barium	135-1	949.27	985.71	980.45	971.81	2.03	ppb
Barium	137-1	923.92	1007.17	997.98	976.36	4.67	ppb
Beryllium	9-1	3.49	3.56	3.58	3.54	1.36	ppb
Bismuth	209-1				98		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Cadmium	108-1	19.93	21.55	22.45	21.31	6.00	ppb
Cadmium	106-1	21.29	21.21	20.09	20.87	3.22	ppb
Cadmium	111-1	22.09	23.41	23.45	22.98	3.37	ppb
Calcium	43-1	149456.69	154150.25	152531.35	152046.10	1.57	ppb
Calcium	44-1	148799.00	155227.26	153929.96	152652.07	2.23	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	39.23	38.70	39.12	39.02	0.72	ppb
Cobalt	59-2	35.54	35.49	35.44	35.49	0.15	ppb
Copper	63-2	633.91	635.43	629.16	632.83	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				103		%
Holmium	165-2				98		%
Indium	115-1				102		%
Indium	115-2				99		%
Iron	54-2	100173.64	99792.14	99629.81	99865.20	0.28	ppb
Iron	56-2	100246.11	99244.81	98443.13	99311.35	0.91	ppb
Iron	57-2	101241.88	100357.70	102700.59	101433.39	1.17	ppb
Krypton	83-1						cps
Lead	206-1	1301.71	1337.82	1345.98	1328.50	1.77	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-08	Instrumnet Name :	P8
Client Sample ID :	MH2GZ5	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:25:15	DataFile Name :	047AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1272.48	1314.62	1315.29	1300.80	1.89	ppb
Lead	208-1	1275.75	1318.18	1311.04	1301.66	1.75	ppb
Lithium	6-1				99		%
Magnesium	24-2	14619.44	14633.90	14346.67	14533.34	1.11	ppb
Manganese	55-2	4676.61	4634.50	4712.10	4674.40	0.83	ppb
Molybdenum	94-1	9.39	9.68	9.37	9.48	1.87	ppb
Molybdenum	95-1	4.78	4.91	5.03	4.90	2.54	ppb
Molybdenum	96-1	5.44	5.67	5.82	5.65	3.42	ppb
Molybdenum	97-1	4.78	4.85	5.00	4.87	2.32	ppb
Molybdenum	98-1	4.75	4.86	4.92	4.84	1.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	125.11	125.59	124.30	125.00	0.52	ppb
Phosphorus	31-2	3466.72	3371.16	3462.96	3433.62	1.58	ppb
Potassium	39-2	6013.91	6083.61	6035.86	6044.46	0.59	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				108		%
Scandium	45-2				105		%
Selenium	82-1	1.74	1.91	1.34	1.66	17.44	ppb
Selenium	77-2	77.80	64.25	72.36	71.47	9.54	ppb
Selenium	78-2	10.86	18.29	9.29	12.81	37.53	ppb
Silicon	28-1	92.58	96.44	95.01	94.68	2.06	ppb
Silver	107-1	7.96	8.34	8.34	8.21	2.68	ppb
Silver	109-1	7.90	8.37	8.44	8.24	3.55	ppb
Sodium	23-2	425.39	433.40	425.51	428.10	1.07	ppb
Strontium	86-1	11173.67	11414.46	11581.56	11389.89	1.80	ppb
Strontium	88-1	12022.69	12059.24	12313.37	12131.77	1.31	ppb
Sulfur	34-1	474.53	647.13	586.89	569.52	15.38	ppb
Terbium	159-1				104		%
Terbium	159-2				98		%
Thallium	203-1	1.44	1.47	1.50	1.47	2.22	ppb
Thallium	205-1	1.46	1.50	1.51	1.49	1.53	ppb
Tin	118-1	20.80	22.31	22.21	21.77	3.88	ppb
Titanium	47-1	237.16	244.81	244.60	242.19	1.80	ppb
Uranium	238-1	4.22	4.27	4.35	4.28	1.51	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-08	Instrumnet Name :	P8
Client Sample ID :	MH2GZ5	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:25:15	DataFile Name :	047AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	118.56	117.72	117.47	117.92	0.49	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				117		%
Yttrium	89-2				113		%
Zinc	66-2	3724.27	3730.14	3723.84	3726.08	0.09	ppb
Zirconium	90-1	2.85	2.97	2.96	2.93	2.31	ppb
Zirconium	91-1	2.81	2.88	2.91	2.86	1.83	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-09	Instrumnet Name :	P8
Client Sample ID :	MH2H00	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:28:24	DataFile Name :	048AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	24004.42	23527.90	23619.52	23717.28	1.07	ppb
Antimony	121-1	24.96	25.70	25.16	25.27	1.50	ppb
Arsenic	75-2	302.63	297.40	300.41	300.14	0.87	ppb
Barium	135-1	2450.24	2488.87	2543.35	2494.15	1.88	ppb
Barium	137-1	2425.34	2539.26	2482.32	2482.31	2.29	ppb
Beryllium	9-1	3.75	3.71	3.79	3.75	0.98	ppb
Bismuth	209-1				96		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Cadmium	108-1	22.02	20.77	23.70	22.17	6.63	ppb
Cadmium	106-1	22.84	21.57	22.53	22.31	2.97	ppb
Cadmium	111-1	17.21	17.82	17.87	17.64	2.07	ppb
Calcium	43-1	154759.36	157079.14	159909.85	157249.45	1.64	ppb
Calcium	44-1	154401.55	156695.94	157045.39	156047.63	0.92	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	363.47	360.99	358.06	360.84	0.75	ppb
Cobalt	59-2	29.60	29.25	28.82	29.23	1.33	ppb
Copper	63-2	2085.02	2080.37	2020.58	2061.99	1.74	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				104		%
Holmium	165-2				100		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	54-2	137192.25	133608.57	133677.65	134826.15	1.52	ppb
Iron	56-2	136600.47	133862.07	131810.09	134090.88	1.79	ppb
Iron	57-2	137499.62	135212.12	136318.61	136343.45	0.84	ppb
Krypton	83-1						cps
Lead	206-1	6581.66	6686.58	6667.64	6645.29	0.84	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-09	Instrumnet Name :	P8
Client Sample ID :	MH2H00	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:28:24	DataFile Name :	048AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	6329.38	6334.30	6269.22	6310.96	0.57	ppb
Lead	208-1	6354.96	6416.71	6367.75	6379.81	0.51	ppb
Lithium	6-1				99		%
Magnesium	24-2	25593.71	25101.22	24976.56	25223.83	1.29	ppb
Manganese	55-2	11647.59	11688.10	11417.56	11584.42	1.26	ppb
Molybdenum	94-1	36.27	36.12	36.11	36.17	0.26	ppb
Molybdenum	95-1	19.34	19.37	19.53	19.42	0.53	ppb
Molybdenum	96-1	21.32	21.55	21.84	21.57	1.22	ppb
Molybdenum	97-1	19.76	19.12	19.75	19.55	1.87	ppb
Molybdenum	98-1	19.11	19.29	19.56	19.32	1.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	128.65	126.95	125.72	127.11	1.16	ppb
Phosphorus	31-2	4248.54	4237.20	4404.96	4296.90	2.18	ppb
Potassium	39-2	6715.90	6595.27	6596.35	6635.84	1.04	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				108		%
Scandium	45-2				106		%
Selenium	82-1	3.26	3.63	2.65	3.18	15.51	ppb
Selenium	77-2	64.40	68.96	56.80	63.38	9.69	ppb
Selenium	78-2	11.01	15.00	8.83	11.61	26.95	ppb
Silicon	28-1	765.90	779.64	780.15	775.23	1.04	ppb
Silver	107-1	32.40	32.87	32.61	32.63	0.72	ppb
Silver	109-1	32.26	32.78	33.15	32.73	1.36	ppb
Sodium	23-2	822.90	811.00	808.27	814.06	0.96	ppb
Strontium	86-1	13016.97	12995.99	13031.90	13014.95	0.14	ppb
Strontium	88-1	12919.52	13000.38	12839.96	12919.95	0.62	ppb
Sulfur	34-1	2095.04	2207.35	2255.61	2186.00	3.77	ppb
Terbium	159-1				103		%
Terbium	159-2				100		%
Thallium	203-1	0.65	0.63	0.62	0.63	2.13	ppb
Thallium	205-1	0.65	0.66	0.65	0.65	0.94	ppb
Tin	118-1	38.08	39.63	38.63	38.78	2.03	ppb
Titanium	47-1	642.87	656.59	653.72	651.06	1.11	ppb
Uranium	238-1	8.74	8.78	8.70	8.74	0.45	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-09	Instrumnet Name :	P8
Client Sample ID :	MH2H00	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:28:24	DataFile Name :	048AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	128.72	127.93	126.46	127.70	0.90	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				116		%
Yttrium	89-2				113		%
Zinc	66-2	13760.57	13570.91	13412.15	13581.21	1.28	ppb
Zirconium	90-1	10.96	11.01	10.99	10.98	0.20	ppb
Zirconium	91-1	10.78	11.31	11.03	11.04	2.43	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-10	Instrumnet Name :	P8
Client Sample ID :	MH2H01	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:31:34	DataFile Name :	049AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	53361.47	51996.69	53277.28	52878.48	1.45	ppb
Antimony	121-1	19.49	19.84	20.17	19.83	1.73	ppb
Arsenic	75-2	283.23	281.11	283.05	282.46	0.42	ppb
Barium	135-1	3645.21	3688.79	3747.43	3693.81	1.39	ppb
Barium	137-1	3685.72	3743.06	3729.01	3719.26	0.80	ppb
Beryllium	9-1	8.59	8.71	8.62	8.64	0.77	ppb
Bismuth	209-1				94		%
Bismuth	209-2				88		%
Bromine	81-1						cps
Cadmium	108-1	21.81	21.27	21.53	21.54	1.27	ppb
Cadmium	106-1	21.25	21.66	21.56	21.49	1.00	ppb
Cadmium	111-1	18.02	18.41	18.83	18.42	2.19	ppb
Calcium	43-1	192404.45	197182.23	196647.07	195411.25	1.34	ppb
Calcium	44-1	192818.41	197073.44	196187.99	195359.95	1.15	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	84.22	80.45	81.41	82.03	2.39	ppb
Cobalt	59-2	44.40	42.47	43.26	43.38	2.24	ppb
Copper	63-2	2241.83	2182.73	2213.16	2212.58	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				100		%
Holmium	165-2				95		%
Indium	115-1				98		%
Indium	115-2				95		%
Iron	54-2	125758.89	119458.53	122227.32	122481.58	2.58	ppb
Iron	56-2	124079.84	119509.63	120872.17	121487.21	1.93	ppb
Iron	57-2	125943.93	120974.09	123906.83	123608.28	2.02	ppb
Krypton	83-1						cps
Lead	206-1	9039.15	9181.79	9282.90	9167.94	1.34	ppb

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-10	Instrumnet Name :	P8
Client Sample ID :	MH2H01	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:31:34	DataFile Name :	049AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	8672.16	8706.10	8916.07	8764.78	1.51	ppb
Lead	208-1	8716.64	8843.73	9022.41	8860.93	1.73	ppb
Lithium	6-1				96		%
Magnesium	24-2	15330.95	14987.42	14943.66	15087.34	1.41	ppb
Manganese	55-2	9644.01	9058.81	9385.54	9362.79	3.13	ppb
Molybdenum	94-1	36.79	37.44	37.35	37.19	0.94	ppb
Molybdenum	95-1	17.58	18.13	17.99	17.90	1.59	ppb
Molybdenum	96-1	19.92	20.12	20.65	20.23	1.87	ppb
Molybdenum	97-1	18.03	17.65	18.45	18.04	2.23	ppb
Molybdenum	98-1	17.69	17.86	17.97	17.84	0.78	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	138.05	134.34	133.91	135.43	1.68	ppb
Phosphorus	31-2	5047.82	4973.35	4971.93	4997.70	0.87	ppb
Potassium	39-2	6564.46	6416.59	6441.34	6474.13	1.22	ppb
Rhodium	103-1				95		%
Rhodium	103-2				94		%
Scandium	45-1				106		%
Scandium	45-2				103		%
Selenium	82-1	3.20	3.99	3.15	3.45	13.76	ppb
Selenium	77-2	109.03	74.58	58.70	80.77	31.86	ppb
Selenium	78-2	15.67	15.19	12.59	14.48	11.44	ppb
Silicon	28-1	544.79	556.86	555.88	552.51	1.21	ppb
Silver	107-1	34.34	35.35	35.08	34.92	1.50	ppb
Silver	109-1	34.44	35.50	35.61	35.18	1.83	ppb
Sodium	23-2	2421.25	2353.76	2365.03	2380.01	1.52	ppb
Strontium	86-1	24570.78	25441.98	25185.86	25066.21	1.79	ppb
Strontium	88-1	24399.91	24850.41	24990.91	24747.07	1.25	ppb
Sulfur	34-1	1745.49	1838.96	1835.53	1806.66	2.93	ppb
Terbium	159-1				99		%
Terbium	159-2				97		%
Thallium	203-1	1.21	1.23	1.23	1.22	1.15	ppb
Thallium	205-1	1.22	1.21	1.23	1.22	1.04	ppb
Tin	118-1	54.14	55.65	55.94	55.24	1.75	ppb
Titanium	47-1	1244.90	1279.10	1273.48	1265.83	1.45	ppb
Uranium	238-1	16.38	16.82	16.87	16.69	1.59	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-10	Instrumnet Name :	P8
Client Sample ID :	MH2H01	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:31:34	DataFile Name :	049AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	168.55	163.26	163.80	165.20	1.76	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				119		%
Yttrium	89-2				116		%
Zinc	66-2	12974.51	12996.75	13141.00	13037.42	0.69	ppb
Zirconium	90-1	11.96	12.38	12.29	12.21	1.79	ppb
Zirconium	91-1	11.97	12.37	12.23	12.19	1.68	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCV012	Instrumnet Name :	P8
Client Sample ID :	CCV012	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:34:39	DataFile Name :	050CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	45510.19	44981.15	45321.14	45270.83	0.59	ppb
Antimony	121-1	500.77	494.88	481.50	492.39	2.01	ppb
Arsenic	75-2	513.44	512.81	505.17	510.47	0.90	ppb
Barium	135-1	2531.28	2461.57	2449.76	2480.87	1.78	ppb
Barium	137-1	2509.08	2451.47	2385.51	2448.69	2.53	ppb
Beryllium	9-1	514.15	503.75	504.80	507.57	1.13	ppb
Bismuth	209-1				76		%
Bismuth	209-2				70		%
Bromine	81-1						cps
Cadmium	108-1	511.82	504.33	491.04	502.40	2.09	ppb
Cadmium	106-1	511.04	508.65	495.67	505.12	1.64	ppb
Cadmium	111-1	487.92	487.51	476.22	483.89	1.37	ppb
Calcium	43-1	253310.42	250694.81	243443.32	249149.52	2.05	ppb
Calcium	44-1	251684.39	252543.19	246916.19	250381.26	1.21	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	468.55	463.86	467.27	466.56	0.52	ppb
Cobalt	59-2	503.79	501.70	506.94	504.14	0.52	ppb
Copper	63-2	4794.83	4687.91	4767.47	4750.07	1.17	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				87		%
Holmium	165-2				86		%
Indium	115-1				81		%
Indium	115-2				81		%
Iron	54-2	124132.01	123092.03	122765.97	123330.00	0.58	ppb
Iron	56-2	123404.50	120491.58	122592.52	122162.86	1.23	ppb
Iron	57-2	125181.96	124651.74	125677.91	125170.54	0.41	ppb
Krypton	83-1						cps
Lead	206-1	2522.75	2590.01	2543.91	2552.22	1.35	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCV012	Instrumnet Name :	P8
Client Sample ID :	CCV012	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:34:39	DataFile Name :	050CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2529.17	2591.16	2516.74	2545.69	1.57	ppb
Lead	208-1	2522.59	2552.14	2512.05	2528.93	0.82	ppb
Lithium	6-1				78		%
Magnesium	24-2	238838.04	234309.21	236637.08	236594.78	0.96	ppb
Manganese	55-2	4930.23	4921.00	4875.72	4908.98	0.59	ppb
Molybdenum	94-1	5167.80	5109.71	4951.58	5076.36	2.20	ppb
Molybdenum	95-1	5071.61	5068.71	4976.53	5038.95	1.07	ppb
Molybdenum	96-1	5090.74	5052.44	4950.25	5031.14	1.44	ppb
Molybdenum	97-1	5074.75	5053.02	4933.88	5020.55	1.51	ppb
Molybdenum	98-1	5172.85	5132.95	4962.74	5089.51	2.19	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	516.09	513.79	518.25	516.05	0.43	ppb
Phosphorus	31-2	9387.11	9684.39	9462.41	9511.30	1.62	ppb
Potassium	39-2	119302.90	117649.22	118716.68	118556.27	0.71	ppb
Rhodium	103-1				79		%
Rhodium	103-2				77		%
Scandium	45-1				86		%
Scandium	45-2				86		%
Selenium	82-1	516.00	519.84	506.57	514.14	1.33	ppb
Selenium	77-2	515.93	514.74	475.59	502.08	4.57	ppb
Selenium	78-2	494.07	452.55	484.10	476.91	4.55	ppb
Silicon	28-1	253.32	252.00	247.25	250.86	1.27	ppb
Silver	107-1	513.17	508.24	498.59	506.67	1.46	ppb
Silver	109-1	516.32	511.78	510.25	512.78	0.62	ppb
Sodium	23-2	237574.90	237593.41	242023.91	239064.08	1.07	ppb
Strontium	86-1	11839.84	12069.61	11663.84	11857.76	1.72	ppb
Strontium	88-1	12495.72	12515.51	12351.07	12454.10	0.72	ppb
Sulfur	34-1	10019.94	9971.08	9792.13	9927.72	1.21	ppb
Terbium	159-1				86		%
Terbium	159-2				86		%
Thallium	203-1	500.61	520.62	514.24	511.82	2.00	ppb
Thallium	205-1	508.53	518.79	504.50	510.61	1.44	ppb
Tin	118-1	507.77	489.61	482.32	493.23	2.66	ppb
Titanium	47-1	5024.71	5049.09	4867.53	4980.44	1.98	ppb
Uranium	238-1	514.19	513.39	509.15	512.24	0.53	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCV012	Instrumnet Name :	P8
Client Sample ID :	CCV012	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:34:39	DataFile Name :	050CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	495.36	487.83	490.45	491.22	0.78	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				86		%
Yttrium	89-2				87		%
Zinc	66-2	4799.56	4718.74	4788.49	4768.93	0.92	ppb
Zirconium	90-1	507.38	504.80	493.86	502.01	1.43	ppb
Zirconium	91-1	478.66	479.88	469.22	475.92	1.23	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCB012	Instrumnet Name :	P8
Client Sample ID :	CCB012	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:46:37	DataFile Name :	051CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.37	-0.09	-0.23	-0.23		ppb
Antimony	121-1	0.02	0.02	0.01	0.02	23.93	ppb
Arsenic	75-2	-0.04	-0.04	-0.01	-0.03		ppb
Barium	135-1	0.15	0.16	0.17	0.16	7.36	ppb
Barium	137-1	0.18	0.16	0.18	0.17	7.91	ppb
Beryllium	9-1	0.03	0.02	0.02	0.02	24.40	ppb
Bismuth	209-1				88		%
Bismuth	209-2				88		%
Bromine	81-1						cps
Cadmium	108-1	0.00	-0.08	0.03	-0.02		ppb
Cadmium	106-1	-1.94	-1.81	-1.83	-1.86		ppb
Cadmium	111-1	-0.14	-0.13	-0.12	-0.13		ppb
Calcium	43-1	0.07	1.59	0.10	0.59	148.26	ppb
Calcium	44-1	0.18	-0.56	-0.43	-0.27		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	-0.01		ppb
Cobalt	59-2	-0.01	0.00	-0.01	0.00		ppb
Copper	63-2	-0.13	-0.10	-0.19	-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				89		%
Holmium	165-2				89		%
Indium	115-1				88		%
Indium	115-2				89		%
Iron	54-2	3.88	2.68	1.57	2.71	42.70	ppb
Iron	56-2	1.73	2.22	2.16	2.04	13.17	ppb
Iron	57-2	0.86	1.81	2.14	1.60	41.69	ppb
Krypton	83-1						cps
Lead	206-1	0.17	0.15	0.14	0.15	10.17	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCB012	Instrumnet Name :	P8
Client Sample ID :	CCB012	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:46:37	DataFile Name :	051CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.14	0.16	0.16	0.16	6.67	ppb
Lead	208-1	0.15	0.15	0.15	0.15	2.65	ppb
Lithium	6-1				78		%
Magnesium	24-2	-1.64	-0.93	-1.13	-1.24		ppb
Manganese	55-2	0.40	0.32	0.28	0.33	18.13	ppb
Molybdenum	94-1	0.06	0.02	0.01	0.03	78.90	ppb
Molybdenum	95-1	0.04	0.04	0.04	0.04	9.02	ppb
Molybdenum	96-1	0.03	0.02	0.03	0.03	7.95	ppb
Molybdenum	97-1	0.01	0.02	0.04	0.02	48.75	ppb
Molybdenum	98-1	0.01	0.03	0.02	0.02	36.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.07	0.22	0.24	0.18	52.58	ppb
Phosphorus	31-2	-9.68	0.16	-26.10	-11.87		ppb
Potassium	39-2	3.39	2.87	1.08	2.44	49.55	ppb
Rhodium	103-1				89		%
Rhodium	103-2				90		%
Scandium	45-1				86		%
Scandium	45-2				85		%
Selenium	82-1	0.18	0.25	0.42	0.28	44.46	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.90	0.43	-1.56	-0.68		ppb
Silicon	28-1	0.03	0.02	0.02	0.02	27.25	ppb
Silver	107-1	0.01	0.00	0.00	0.00	60.34	ppb
Silver	109-1	0.01	0.01	0.01	0.01	15.40	ppb
Sodium	23-2	-5.36	-4.16	-4.22	-4.58		ppb
Strontium	86-1	-0.17	0.07	-0.15	-0.08		ppb
Strontium	88-1	-0.09	-0.14	-0.17	-0.13		ppb
Sulfur	34-1	-108.57	-117.96	-18.49	-81.68		ppb
Terbium	159-1				90		%
Terbium	159-2				89		%
Thallium	203-1	0.03	0.02	0.03	0.03	13.18	ppb
Thallium	205-1	0.03	0.02	0.03	0.03	7.74	ppb
Tin	118-1	-0.02	0.08	-0.02	0.01	425.26	ppb
Titanium	47-1	0.03	0.03	0.04	0.04	13.42	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	391.18	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCB012	Instrumnet Name :	P8
Client Sample ID :	CCB012	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:46:37	DataFile Name :	051CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.01	0.00	1137.50	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				89		%
Yttrium	89-2				89		%
Zinc	66-2	0.03	0.40	0.09	0.18	112.58	ppb
Zirconium	90-1	0.00	0.01	0.00	0.00	233.63	ppb
Zirconium	91-1	0.00	0.02	-0.01	0.01	215.01	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:42:59	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	23	20	47	30	48.44	cps
Antimony	121-1	33	43	47	41	16.89	cps
Arsenic	75-2	7	3	3	4	43.40	cps
Barium	135-1	147	130	170	149	13.49	cps
Barium	137-1	193	213	213	207	5.59	cps
Beryllium	9-1	186	199	206	197	5.13	cps
Bismuth	209-1	5232464	5284785	5107398	5208215	1.75	cps
Bismuth	209-2	2073726	2087356	2052703	2071261	0.84	cps
Bromine	81-1	4171	4311	4137	4206	2.19	cps
Cadmium	108-1	10	7	17	11	45.82	cps
Cadmium	106-1	3737	3651	3564	3651	2.37	cps
Cadmium	111-1	2616	2567	2506	2563	2.14	cps
Calcium	43-1	240	230	247	239	3.51	cps
Calcium	44-1	3804	3677	3694	3725	1.85	cps
Carbon	12-1	1315874	1302412	1299389	1305892	0.67	cps
Carbon	12-2	8399	8479	8776	8551	2.32	cps
Chlorine	35-1	43281	41964	42195	42480	1.66	cps
Chlorine	35-2	123	140	167	143	15.25	cps
Chromium	52-2	297	280	317	298	6.16	cps
Cobalt	59-2	73	107	83	88	19.49	cps
Copper	63-2	1537	1677	1563	1592	4.67	cps
Dysprosium	156-1	130	130	113	124	7.73	cps
Dysprosium	156-2	0	7	3	3	100.05	cps
Erbium	164-1	27	33	50	37	32.78	cps
Erbium	164-2	17	17	20	18	10.81	cps
Gadolinium	160-1	27	7	20	18	57.27	cps
Gadolinium	160-2	17	0	3	7	132.33	cps
Holmium	165-1	8044566	8109251	8012664	8055493	0.61	cps
Holmium	165-2	2881128	2831975	2793092	2835398	1.56	cps
Indium	115-1	6423073	6458710	6302837	6394873	1.28	cps
Indium	115-2	590015	597962	594880	594286	0.67	cps
Iron	54-2	183	213	193	197	7.77	cps
Iron	56-2	2947	2944	3310	3067	6.87	cps
Iron	57-2	67	103	73	81	24.08	cps
Krypton	83-1	117	93	117	109	12.37	cps
Lead	206-1	640	647	597	628	4.32	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:42:59	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	550	617	460	542	14.50	cps
Lead	208-1	2413	2480	2217	2370	5.78	cps
Lithium	6-1	3808075	3786415	3722949	3772480	1.17	cps
Magnesium	24-2	660	523	583	589	11.63	cps
Manganese	55-2	143	120	117	127	11.47	cps
Molybdenum	94-1	207	217	197	207	4.84	cps
Molybdenum	95-1	107	97	103	102	4.98	cps
Molybdenum	96-1	167	170	193	177	8.23	cps
Molybdenum	97-1	77	70	53	67	18.03	cps
Molybdenum	98-1	203	237	227	222	7.70	cps
Neodymium	150-1	7	3	17	9	78.08	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	457	507	577	513	11.74	cps
Phosphorus	31-2	30	47	37	38	22.21	cps
Potassium	39-2	2850	2710	2747	2769	2.62	cps
Rhodium	103-1	5875981	5795638	5699149	5790256	1.53	cps
Rhodium	103-2	2176141	2183565	2185828	2181845	0.23	cps
Scandium	45-1	4364107	4381903	4310523	4352178	0.85	cps
Scandium	45-2	73118	73118	72753	72996	0.29	cps
Selenium	82-1	-3	-33	-53	-30	-84.11	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	7	13	7	9	43.25	cps
Silicon	28-1	212586	213527	210542	212218	0.72	cps
Silver	107-1	103	100	127	110	13.21	cps
Silver	109-1	43	67	47	52	24.17	cps
Sodium	23-2	7729	7409	8076	7738	4.31	cps
Strontium	86-1	150	243	183	192	24.61	cps
Strontium	88-1	483	363	480	442	15.45	cps
Sulfur	34-1	176566	178340	177280	177395	0.50	cps
Terbium	159-1	8246047	8170888	8150544	8189160	0.61	cps
Terbium	159-2	2781574	2714109	2727047	2740910	1.31	cps
Thallium	203-1	177	133	150	153	14.25	cps
Thallium	205-1	347	397	367	370	6.80	cps
Tin	118-1	713	930	853	832	13.20	cps
Titanium	47-1	73	70	80	74	6.84	cps
Uranium	238-1	90	53	60	68	28.82	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:42:59	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	3	3	3	3	0.00	cps
Ytterbium	172-1	47	67	27	47	42.85	cps
Ytterbium	172-2	27	3	23	18	71.00	cps
Ytterbium	176-1	1090	1050	1177	1106	5.86	cps
Ytterbium	176-2	207	167	187	187	10.71	cps
Yttrium	89-1	11277159	11359905	11055750	11230938	1.40	cps
Yttrium	89-2	733609	741639	738608	737952	0.55	cps
Zinc	66-2	160	187	153	167	10.58	cps
Zirconium	90-1	397	310	410	372	14.59	cps
Zirconium	91-1	97	77	47	73	34.32	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:46:22	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	700	497	627	608	16.94	cps
Antimony	121-1	14044	13460	13533	13679	2.33	cps
Arsenic	75-2	150	120	160	143	14.52	cps
Barium	135-1	18423	17642	17431	17832	2.93	cps
Barium	137-1	30859	31146	31042	31016	0.47	cps
Beryllium	9-1	3050	3035	2947	3011	1.84	cps
Bismuth	209-1	5236138	5187511	5077553	5167067	1.57	cps
Bismuth	209-2	2118093	2012150	2111449	2080564	2.85	cps
Bromine	81-1	4107	4271	4227	4202	2.01	cps
Cadmium	108-1	97	140	190	142	32.84	cps
Cadmium	106-1	3977	3834	3911	3907	1.84	cps
Cadmium	111-1	4727	4299	4375	4467	5.11	cps
Calcium	43-1	13159	13310	13153	13207	0.67	cps
Calcium	44-1	207126	211803	211593	210174	1.26	cps
Carbon	12-1	1397940	1403813	1380587	1394113	0.87	cps
Carbon	12-2	9076	8976	9203	9085	1.25	cps
Chlorine	35-1	42810	43582	42893	43095	0.98	cps
Chlorine	35-2	163	160	170	164	3.10	cps
Chromium	52-2	2794	3100	2974	2956	5.21	cps
Cobalt	59-2	2734	2800	2934	2823	3.61	cps
Copper	63-2	5564	5184	5328	5359	3.58	cps
Dysprosium	156-1	90	100	133	108	21.06	cps
Dysprosium	156-2	7	3	3	4	43.40	cps
Erbium	164-1	30	37	30	32	11.95	cps
Erbium	164-2	10	47	20	26	74.17	cps
Gadolinium	160-1	33	27	30	30	11.10	cps
Gadolinium	160-2	10	3	10	8	49.52	cps
Holmium	165-1	8090518	7913065	7949944	7984509	1.17	cps
Holmium	165-2	2933291	2840232	2918625	2897383	1.73	cps
Indium	115-1	6258010	6308532	6204073	6256872	0.83	cps
Indium	115-2	617215	584148	609021	603461	2.85	cps
Iron	54-2	3157	3117	2870	3048	5.09	cps
Iron	56-2	56384	55755	55567	55902	0.77	cps
Iron	57-2	1390	1327	1413	1377	3.26	cps
Krypton	83-1	87	80	70	79	10.64	cps
Lead	206-1	6392	6282	6448	6374	1.33	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:46:22	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	5701	5738	5871	5770	1.55	cps
Lead	208-1	26087	25170	25703	25653	1.80	cps
Lithium	6-1	3708572	3673588	3683385	3688515	0.49	cps
Magnesium	24-2	50955	49256	49728	49980	1.75	cps
Manganese	55-2	673	713	663	683	3.87	cps
Molybdenum	94-1	14881	14841	14561	14761	1.18	cps
Molybdenum	95-1	18012	17968	17942	17974	0.20	cps
Molybdenum	96-1	19761	19223	19744	19576	1.56	cps
Molybdenum	97-1	10714	10958	10884	10852	1.15	cps
Molybdenum	98-1	28352	27898	28660	28303	1.35	cps
Neodymium	150-1	13	17	23	18	28.64	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	1290	1163	1300	1251	6.09	cps
Phosphorus	31-2	50	67	77	64	20.91	cps
Potassium	39-2	30512	30235	29834	30194	1.13	cps
Rhodium	103-1	5784602	5716876	5617555	5706344	1.47	cps
Rhodium	103-2	2305119	2150920	2231468	2229169	3.46	cps
Scandium	45-1	4310130	4336206	4294636	4313657	0.49	cps
Scandium	45-2	76020	71141	74525	73895	3.38	cps
Selenium	82-1	592	673	676	647	7.30	cps
Selenium	77-2	7	13	0	7	99.98	cps
Selenium	78-2	53	33	30	39	32.45	cps
Silicon	28-1	248504	247180	250146	248610	0.60	cps
Silver	107-1	9323	8910	9123	9119	2.27	cps
Silver	109-1	8720	8183	8793	8565	3.89	cps
Sodium	23-2	102916	101231	102174	102107	0.83	cps
Strontium	86-1	2494	2704	2677	2625	4.36	cps
Strontium	88-1	20672	20922	21173	20922	1.20	cps
Sulfur	34-1	180861	179703	181069	180544	0.41	cps
Terbium	159-1	8228441	8212901	8186917	8209420	0.26	cps
Terbium	159-2	2826246	2733927	2839622	2799932	2.06	cps
Thallium	203-1	7472	7235	7516	7408	2.04	cps
Thallium	205-1	17625	17929	17879	17811	0.91	cps
Tin	118-1	29779	30501	30868	30383	1.82	cps
Titanium	47-1	5634	5608	5588	5610	0.42	cps
Uranium	238-1	23839	23308	23542	23563	1.13	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:46:22	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	5311	4974	5024	5103	3.56	cps
Ytterbium	172-1	40	33	53	42	24.12	cps
Ytterbium	172-2	3	23	27	18	71.00	cps
Ytterbium	176-1	1150	1120	1103	1125	2.10	cps
Ytterbium	176-2	183	200	210	198	6.81	cps
Yttrium	89-1	11130321	10981376	11032577	11048091	0.68	cps
Yttrium	89-2	769686	732319	760671	754225	2.59	cps
Zinc	66-2	1170	1203	1083	1152	5.38	cps
Zirconium	90-1	12349	12783	12416	12516	1.87	cps
Zirconium	91-1	2710	2820	2894	2808	3.29	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:49:47	DataFile Name :	006CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	27803	27413	27486	27567	0.75	cps
Antimony	121-1	327067	330224	330585	329292	0.59	cps
Arsenic	75-2	5918	5701	5655	5758	2.44	cps
Barium	135-1	418446	423771	425921	422713	0.91	cps
Barium	137-1	730189	737391	736996	734859	0.55	cps
Beryllium	9-1	133665	135084	134211	134320	0.53	cps
Bismuth	209-1	5123346	5174905	5201583	5166611	0.77	cps
Bismuth	209-2	2046786	2072534	2074035	2064451	0.74	cps
Bromine	81-1	4141	3941	4097	4060	2.59	cps
Cadmium	108-1	7012	6995	7402	7136	3.23	cps
Cadmium	106-1	13467	13550	13597	13538	0.49	cps
Cadmium	111-1	89971	89871	90501	90114	0.38	cps
Calcium	43-1	120889	121806	122643	121779	0.72	cps
Calcium	44-1	1993552	2029503	2022381	2015145	0.94	cps
Carbon	12-1	1536178	1576145	1602072	1571465	2.11	cps
Carbon	12-2	10737	10464	10290	10497	2.15	cps
Chlorine	35-1	44849	44588	44595	44678	0.33	cps
Chlorine	35-2	213	163	127	168	25.93	cps
Chromium	52-2	65600	65372	66253	65741	0.70	cps
Cobalt	59-2	126149	125399	125376	125641	0.35	cps
Copper	63-2	943594	939877	942352	941941	0.20	cps
Dysprosium	156-1	107	80	120	102	19.92	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	50	37	57	48	21.31	cps
Erbium	164-2	10	7	23	13	66.12	cps
Gadolinium	160-1	27	33	27	29	13.31	cps
Gadolinium	160-2	3	7	17	9	78.08	cps
Holmium	165-1	7978411	8077900	8039736	8032016	0.62	cps
Holmium	165-2	2854307	2863875	2825971	2848051	0.69	cps
Indium	115-1	6153478	6265783	6227391	6215551	0.92	cps
Indium	115-2	595506	594862	596866	595745	0.17	cps
Iron	54-2	134953	135367	136629	135650	0.64	cps
Iron	56-2	2552423	2562030	2572912	2562455	0.40	cps
Iron	57-2	62432	62248	62031	62237	0.32	cps
Krypton	83-1	100	123	37	87	51.74	cps
Lead	206-1	1385242	1407581	1408635	1400486	0.94	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:49:47	DataFile Name :	006CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1213872	1222007	1221984	1219288	0.38	cps
Lead	208-1	5751092	5805755	5801494	5786114	0.53	cps
Lithium	6-1	3692400	3768209	3767468	3742692	1.16	cps
Magnesium	24-2	477872	471804	474303	474660	0.64	cps
Manganese	55-2	283212	283813	281631	282885	0.40	cps
Molybdenum	94-1	1161566	1176499	1178230	1172098	0.78	cps
Molybdenum	95-1	1779805	1796389	1783883	1786692	0.48	cps
Molybdenum	96-1	1922983	1919378	1894674	1912345	0.81	cps
Molybdenum	97-1	1042011	1051644	1045055	1046236	0.47	cps
Molybdenum	98-1	2878699	2853315	2839774	2857263	0.69	cps
Neodymium	150-1	60	73	93	76	22.21	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	34645	34833	35354	34944	1.05	cps
Phosphorus	31-2	1270	1163	1327	1253	6.62	cps
Potassium	39-2	134021	134109	134213	134115	0.07	cps
Rhodium	103-1	5672594	5725496	5653251	5683780	0.66	cps
Rhodium	103-2	2176019	2130590	2159740	2155450	1.07	cps
Scandium	45-1	4305849	4337175	4403461	4348828	1.15	cps
Scandium	45-2	73396	73017	73604	73339	0.41	cps
Selenium	82-1	5317	5556	5699	5524	3.49	cps
Selenium	77-2	70	90	77	79	12.91	cps
Selenium	78-2	253	290	313	286	10.59	cps
Silicon	28-1	4009030	4032017	4033974	4025007	0.34	cps
Silver	107-1	442877	446223	454454	447851	1.33	cps
Silver	109-1	423330	426257	431554	427047	0.98	cps
Sodium	23-2	940086	938994	935844	938308	0.23	cps
Strontium	86-1	119018	118214	119613	118948	0.59	cps
Strontium	88-1	1025251	1033459	1036193	1031634	0.55	cps
Sulfur	34-1	214907	215557	216328	215597	0.33	cps
Terbium	159-1	8157779	8307734	8253899	8239804	0.92	cps
Terbium	159-2	2740861	2757431	2742139	2746810	0.34	cps
Thallium	203-1	351283	356189	356314	354595	0.81	cps
Thallium	205-1	847398	857186	865244	856609	1.04	cps
Tin	118-1	282993	286093	287411	285499	0.79	cps
Titanium	47-1	508057	514729	519344	514043	1.10	cps
Uranium	238-1	1107111	1110912	1114468	1110830	0.33	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:49:47	DataFile Name :	006CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	49719	49997	50288	50001	0.57	cps
Ytterbium	172-1	40	60	40	47	24.74	cps
Ytterbium	172-2	13	30	20	21	39.75	cps
Ytterbium	176-1	2667	2817	2820	2768	3.16	cps
Ytterbium	176-2	680	720	640	680	5.88	cps
Yttrium	89-1	11032231	11183379	11287407	11167672	1.15	cps
Yttrium	89-2	747451	751905	742705	747354	0.62	cps
Zinc	66-2	99295	99956	100530	99927	0.62	cps
Zirconium	90-1	581587	590141	586725	586151	0.73	cps
Zirconium	91-1	130184	131103	129551	130279	0.60	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:53:03	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	70131	69843	70141	70039	0.24	cps
Antimony	121-1	820623	826286	826454	824454	0.40	cps
Arsenic	75-2	15001	14614	14838	14818	1.31	cps
Barium	135-1	1059153	1057552	1067910	1061538	0.53	cps
Barium	137-1	1900342	1913095	1925711	1913049	0.66	cps
Beryllium	9-1	335787	336244	334363	335464	0.29	cps
Bismuth	209-1	4656992	4912968	5152057	4907339	5.05	cps
Bismuth	209-2	2053217	2047811	2020254	2040427	0.87	cps
Bromine	81-1	4017	4377	4411	4268	5.11	cps
Cadmium	108-1	17588	17638	17501	17576	0.39	cps
Cadmium	106-1	27501	27902	28172	27858	1.21	cps
Cadmium	111-1	221272	222994	221397	221888	0.43	cps
Calcium	43-1	303102	305527	305874	304834	0.50	cps
Calcium	44-1	5002906	4981115	4995022	4993014	0.22	cps
Carbon	12-1	1599833	1584933	1595258	1593341	0.48	cps
Carbon	12-2	10574	10901	10691	10722	1.54	cps
Chlorine	35-1	44842	45582	46136	45520	1.43	cps
Chlorine	35-2	180	167	183	177	4.99	cps
Chromium	52-2	164399	166405	166742	165848	0.76	cps
Cobalt	59-2	314570	314263	316165	314999	0.32	cps
Copper	63-2	2457740	2502847	2455794	2472127	1.08	cps
Dysprosium	156-1	97	123	110	110	12.12	cps
Dysprosium	156-2	10	3	20	11	75.52	cps
Erbium	164-1	47	43	57	49	14.20	cps
Erbium	164-2	30	13	7	17	72.11	cps
Gadolinium	160-1	43	33	60	46	29.58	cps
Gadolinium	160-2	23	13	7	14	58.06	cps
Holmium	165-1	7292566	7914313	7968053	7724977	4.86	cps
Holmium	165-2	2831753	2882679	2856671	2857035	0.89	cps
Indium	115-1	5650863	6089289	6153268	5964473	4.59	cps
Indium	115-2	597597	603623	600441	600553	0.50	cps
Iron	54-2	342794	339530	342779	341701	0.55	cps
Iron	56-2	6509926	6387567	6420849	6439447	0.98	cps
Iron	57-2	156788	155046	157128	156321	0.71	cps
Krypton	83-1	117	100	110	109	7.71	cps
Lead	206-1	3675165	3678391	3655295	3669617	0.34	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:53:03	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3195303	3167273	3203920	3188832	0.60	cps
Lead	208-1	14562424	14440231	14658089	14553581	0.75	cps
Lithium	6-1	3450448	3669717	3766915	3629027	4.47	cps
Magnesium	24-2	1240814	1240081	1259537	1246811	0.88	cps
Manganese	55-2	717472	715888	715583	716314	0.14	cps
Molybdenum	94-1	3008160	3057980	3063577	3043239	1.00	cps
Molybdenum	95-1	4436758	4467659	4494928	4466448	0.65	cps
Molybdenum	96-1	4808332	4795600	4798709	4800880	0.14	cps
Molybdenum	97-1	2784599	2722582	2755281	2754154	1.13	cps
Molybdenum	98-1	7107862	7086469	7127441	7107257	0.29	cps
Neodymium	150-1	123	123	120	122	1.58	cps
Neodymium	150-2	7	7	7	7	0.00	cps
Nickel	60-2	86585	86584	85360	86177	0.82	cps
Phosphorus	31-2	3084	3080	3230	3131	2.74	cps
Potassium	39-2	337156	334897	337657	336570	0.44	cps
Rhodium	103-1	5172494	5496214	5632049	5433586	4.35	cps
Rhodium	103-2	2138673	2166527	2158551	2154584	0.67	cps
Scandium	45-1	4015569	4249696	4353469	4206245	4.12	cps
Scandium	45-2	74780	74860	74750	74796	0.08	cps
Selenium	82-1	14034	13634	14352	14007	2.57	cps
Selenium	77-2	247	217	237	233	6.55	cps
Selenium	78-2	727	700	730	719	2.29	cps
Silicon	28-1	9790550	9777865	9831159	9799858	0.28	cps
Silver	107-1	1111658	1117207	1123002	1117289	0.51	cps
Silver	109-1	1050792	1070825	1070418	1064012	1.08	cps
Sodium	23-2	2415756	2454997	2432425	2434393	0.81	cps
Strontium	86-1	297685	299816	302509	300003	0.81	cps
Strontium	88-1	2728078	2669254	2703814	2700382	1.09	cps
Sulfur	34-1	274893	274927	275827	275216	0.19	cps
Terbium	159-1	7719843	7989709	8306664	8005406	3.67	cps
Terbium	159-2	2778818	2732467	2745679	2752321	0.87	cps
Thallium	203-1	894716	898386	895349	896150	0.22	cps
Thallium	205-1	2259535	2234684	2228083	2240767	0.74	cps
Tin	118-1	717315	721312	723247	720625	0.42	cps
Titanium	47-1	1358402	1347791	1339201	1348465	0.71	cps
Uranium	238-1	2936172	2996823	2986774	2973256	1.09	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:53:03	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	128009	127549	128689	128082	0.45	cps
Ytterbium	172-1	77	67	63	69	10.08	cps
Ytterbium	172-2	20	33	13	22	45.83	cps
Ytterbium	176-1	4881	4994	5138	5004	2.57	cps
Ytterbium	176-2	1543	1593	1557	1565	1.66	cps
Yttrium	89-1	10282017	10779555	11250417	10770663	4.50	cps
Yttrium	89-2	754936	761520	757536	757997	0.44	cps
Zinc	66-2	251245	252321	252863	252143	0.33	cps
Zirconium	90-1	1533687	1521486	1555949	1537040	1.14	cps
Zirconium	91-1	328060	326438	329374	327957	0.45	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:56:10	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	142978	140386	141207	141524	0.94	cps
Antimony	121-1	1747790	1733787	1758867	1746815	0.72	cps
Arsenic	75-2	29908	30009	29544	29820	0.82	cps
Barium	135-1	2259147	2269562	2286628	2271779	0.61	cps
Barium	137-1	3799167	3909882	3901835	3870295	1.59	cps
Beryllium	9-1	660968	674204	673073	669415	1.10	cps
Bismuth	209-1	5182605	5133196	5110251	5142018	0.72	cps
Bismuth	209-2	2003836	2058640	2039804	2034094	1.37	cps
Bromine	81-1	4297	4541	4474	4437	2.83	cps
Cadmium	108-1	34403	35054	35546	35001	1.64	cps
Cadmium	106-1	51924	52710	54420	53018	2.41	cps
Cadmium	111-1	435954	446034	448692	443560	1.51	cps
Calcium	43-1	608336	621379	618984	616233	1.13	cps
Calcium	44-1	9958704	10195554	10243395	10132551	1.50	cps
Carbon	12-1	1611017	1670774	1657881	1646557	1.91	cps
Carbon	12-2	11228	11098	10964	11096	1.19	cps
Chlorine	35-1	47752	47170	47548	47490	0.62	cps
Chlorine	35-2	220	250	153	208	23.81	cps
Chromium	52-2	338815	338436	338135	338462	0.10	cps
Cobalt	59-2	637297	647945	642618	642620	0.83	cps
Copper	63-2	4973201	5027761	4963332	4988098	0.70	cps
Dysprosium	156-1	143	110	100	118	19.27	cps
Dysprosium	156-2	3	20	7	10	88.20	cps
Erbium	164-1	113	67	83	88	26.94	cps
Erbium	164-2	30	27	47	34	31.11	cps
Gadolinium	160-1	33	67	43	48	35.81	cps
Gadolinium	160-2	17	20	3	13	66.16	cps
Holmium	165-1	8249678	8237024	8180475	8222392	0.45	cps
Holmium	165-2	2899932	2900006	2906508	2902148	0.13	cps
Indium	115-1	6495427	6272813	6319235	6362492	1.85	cps
Indium	115-2	599364	599596	603775	600911	0.41	cps
Iron	54-2	688966	689779	696532	691759	0.60	cps
Iron	56-2	13105329	12870631	13091244	13022401	1.01	cps
Iron	57-2	316126	315925	316999	316350	0.18	cps
Krypton	83-1	90	100	80	90	11.11	cps
Lead	206-1	7235598	7390698	7377222	7334506	1.17	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:56:10	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	6223031	6342016	6331727	6298924	1.05	cps
Lead	208-1	28608182	29299292	28964890	28957455	1.19	cps
Lithium	6-1	3914622	3863007	3824633	3867421	1.17	cps
Magnesium	24-2	2536638	2525104	2537861	2533201	0.28	cps
Manganese	55-2	1539097	1562631	1508307	1536678	1.77	cps
Molybdenum	94-1	6156690	6216863	6237276	6203610	0.68	cps
Molybdenum	95-1	8912203	9048551	9059773	9006842	0.91	cps
Molybdenum	96-1	9627060	9823483	9742272	9730938	1.01	cps
Molybdenum	97-1	5464633	5606091	5588880	5553201	1.39	cps
Molybdenum	98-1	14336461	14443160	14642886	14474169	1.07	cps
Neodymium	150-1	210	233	273	239	13.41	cps
Neodymium	150-2	13	3	10	9	57.30	cps
Nickel	60-2	173716	173857	173810	173794	0.04	cps
Phosphorus	31-2	6408	6455	6418	6427	0.38	cps
Potassium	39-2	688603	682514	688446	686521	0.51	cps
Rhodium	103-1	5826033	5727790	5711714	5755179	1.08	cps
Rhodium	103-2	2130565	2149016	2158708	2146096	0.67	cps
Scandium	45-1	4517142	4461242	4497381	4491921	0.63	cps
Scandium	45-2	75688	75135	76154	75659	0.67	cps
Selenium	82-1	27401	28077	28535	28004	2.04	cps
Selenium	77-2	457	463	427	449	4.35	cps
Selenium	78-2	1567	1413	1610	1530	6.75	cps
Silicon	28-1	19387990	19677934	19490268	19518731	0.75	cps
Silver	107-1	2317028	2381545	2420020	2372865	2.19	cps
Silver	109-1	2226447	2243855	2246035	2238779	0.48	cps
Sodium	23-2	4967448	4959711	5001559	4976239	0.45	cps
Strontium	86-1	601404	608745	614034	608061	1.04	cps
Strontium	88-1	5404392	5457492	5451584	5437822	0.54	cps
Sulfur	34-1	377096	380543	382054	379897	0.67	cps
Terbium	159-1	8499267	8437708	8322712	8419895	1.06	cps
Terbium	159-2	2780260	2806264	2826994	2804506	0.83	cps
Thallium	203-1	1881264	1912843	1881945	1892018	0.95	cps
Thallium	205-1	4453324	4487816	4479140	4473427	0.40	cps
Tin	118-1	1434336	1445165	1463674	1447725	1.02	cps
Titanium	47-1	2724247	2746876	2754512	2741879	0.57	cps
Uranium	238-1	5727090	5942777	5883589	5851152	1.90	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:56:10	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	263038	264343	261868	263083	0.47	cps
Ytterbium	172-1	107	63	117	96	29.67	cps
Ytterbium	172-2	30	43	50	41	24.77	cps
Ytterbium	176-1	8993	8986	9383	9121	2.49	cps
Ytterbium	176-2	3150	2947	2930	3009	4.07	cps
Yttrium	89-1	11708663	11586873	11559654	11618397	0.68	cps
Yttrium	89-2	768167	762760	772421	767783	0.63	cps
Zinc	66-2	506792	511722	507649	508721	0.52	cps
Zirconium	90-1	3090345	3167857	3182474	3146892	1.57	cps
Zirconium	91-1	660494	669492	675400	668462	1.12	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:59:09	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	285298	282619	288060	285326	0.95	cps
Antimony	121-1	3445018	3492838	3559654	3499170	1.65	cps
Arsenic	75-2	61212	61236	60318	60922	0.86	cps
Barium	135-1	4499953	4521376	4480377	4500568	0.46	cps
Barium	137-1	7616257	7612846	7706118	7645074	0.69	cps
Beryllium	9-1	1342965	1396205	1428954	1389375	3.12	cps
Bismuth	209-1	5119652	5079371	5067526	5088850	0.54	cps
Bismuth	209-2	2019224	1994399	1999383	2004336	0.66	cps
Bromine	81-1	4524	4521	4641	4562	1.50	cps
Cadmium	108-1	68820	70251	69876	69649	1.07	cps
Cadmium	106-1	99058	102762	103229	101683	2.25	cps
Cadmium	111-1	855270	869149	887986	870801	1.89	cps
Calcium	43-1	1252307	1284889	1294038	1277078	1.72	cps
Calcium	44-1	20206881	20711876	20410797	20443185	1.24	cps
Carbon	12-1	1734280	1770002	1808194	1770825	2.09	cps
Carbon	12-2	12369	12572	13386	12776	4.21	cps
Chlorine	35-1	52793	54519	55101	54137	2.22	cps
Chlorine	35-2	223	273	203	233	15.45	cps
Chromium	52-2	680105	683584	685497	683062	0.40	cps
Cobalt	59-2	1280298	1280378	1291642	1284106	0.51	cps
Copper	63-2	9734907	9753586	9796226	9761573	0.32	cps
Dysprosium	156-1	173	143	140	152	12.06	cps
Dysprosium	156-2	7	17	3	9	78.08	cps
Erbium	164-1	117	110	163	130	22.36	cps
Erbium	164-2	33	27	23	28	18.33	cps
Gadolinium	160-1	113	67	80	87	27.74	cps
Gadolinium	160-2	17	43	20	27	54.47	cps
Holmium	165-1	8421217	8348726	8288724	8352889	0.79	cps
Holmium	165-2	2938039	2965580	2965931	2956516	0.54	cps
Indium	115-1	6460042	6296073	6335999	6364038	1.34	cps
Indium	115-2	604956	605031	606561	605516	0.15	cps
Iron	54-2	1453737	1448374	1474075	1458729	0.93	cps
Iron	56-2	26027708	26074626	26317323	26139886	0.59	cps
Iron	57-2	636327	635789	640103	637406	0.37	cps
Krypton	83-1	107	87	110	101	12.48	cps
Lead	206-1	14109236	14465411	14488566	14354405	1.48	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:59:09	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	12212350	12464618	12454309	12377092	1.15	cps
Lead	208-1	56487038	57449126	57580650	57172271	1.04	cps
Lithium	6-1	3937002	3892138	3850894	3893345	1.11	cps
Magnesium	24-2	4966885	4994221	5067234	5009447	1.04	cps
Manganese	55-2	3032888	3090585	3087946	3070473	1.06	cps
Molybdenum	94-1	12155784	12365919	12594995	12372232	1.78	cps
Molybdenum	95-1	17780075	18087810	18367801	18078562	1.63	cps
Molybdenum	96-1	19352521	19810902	19929519	19697647	1.55	cps
Molybdenum	97-1	11019546	11205030	11333031	11185869	1.41	cps
Molybdenum	98-1	28683361	29033710	29441177	29052749	1.31	cps
Neodymium	150-1	440	443	430	438	1.59	cps
Neodymium	150-2	27	13	37	26	45.82	cps
Nickel	60-2	346157	345239	344443	345279	0.25	cps
Phosphorus	31-2	13163	12966	12809	12979	1.37	cps
Potassium	39-2	1462041	1434941	1451293	1449425	0.94	cps
Rhodium	103-1	5733595	5690286	5712827	5712236	0.38	cps
Rhodium	103-2	2185925	2202343	2189616	2192628	0.39	cps
Scandium	45-1	4665643	4631048	4594361	4630351	0.77	cps
Scandium	45-2	79398	79887	79541	79609	0.32	cps
Selenium	82-1	56793	56752	56953	56833	0.19	cps
Selenium	77-2	953	920	907	927	2.59	cps
Selenium	78-2	3137	2994	3144	3091	2.74	cps
Silicon	28-1	38888431	39071583	38970412	38976809	0.24	cps
Silver	107-1	4546917	4651832	4642657	4613802	1.26	cps
Silver	109-1	4363556	4339648	4433059	4378754	1.11	cps
Sodium	23-2	9933919	9965627	9941801	9947116	0.17	cps
Strontium	86-1	1204345	1216184	1230061	1216863	1.06	cps
Strontium	88-1	10957987	10867941	10947374	10924434	0.45	cps
Sulfur	34-1	585780	597026	598313	593706	1.16	cps
Terbium	159-1	8535351	8521425	8442241	8499672	0.59	cps
Terbium	159-2	2807268	2817031	2828837	2817712	0.38	cps
Thallium	203-1	3628565	3768416	3717128	3704703	1.91	cps
Thallium	205-1	8624878	8782066	8887058	8764668	1.51	cps
Tin	118-1	2958463	2954239	3059923	2990875	2.00	cps
Titanium	47-1	5434088	5502966	5562868	5499974	1.17	cps
Uranium	238-1	11550029	11426486	11693117	11556544	1.15	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 14:59:09	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	539466	533470	536806	536581	0.56	cps
Ytterbium	172-1	120	107	97	108	10.86	cps
Ytterbium	172-2	63	43	40	49	25.81	cps
Ytterbium	176-1	16831	17508	17281	17207	2.00	cps
Ytterbium	176-2	5678	5768	5601	5682	1.47	cps
Yttrium	89-1	11981815	11849746	11630096	11820553	1.50	cps
Yttrium	89-2	786514	791677	785900	788030	0.40	cps
Zinc	66-2	1010027	1011490	1016703	1012740	0.35	cps
Zirconium	90-1	6233952	6311913	6398832	6314899	1.31	cps
Zirconium	91-1	1324030	1336995	1364369	1341798	1.53	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:17:19	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	573543	581204	579438	578062	0.69	cps
Antimony	121-1	6680933	6798199	6938673	6805935	1.90	cps
Arsenic	75-2	121508	122870	123667	122681	0.89	cps
Barium	135-1	8579126	9048165	9055425	8894239	3.07	cps
Barium	137-1	14930725	15249565	15509024	15229772	1.90	cps
Beryllium	9-1	2631263	2687991	2662209	2660487	1.07	cps
Bismuth	209-1	4917522	4971133	4983876	4957510	0.71	cps
Bismuth	209-2	1933647	1956194	1931318	1940386	0.71	cps
Bromine	81-1	4397	4307	4611	4439	3.51	cps
Cadmium	108-1	130806	135104	135195	133702	1.88	cps
Cadmium	106-1	188336	192327	195565	192076	1.89	cps
Cadmium	111-1	1772624	1797133	1763020	1777592	0.99	cps
Calcium	43-1	2512206	2570468	2588976	2557217	1.57	cps
Calcium	44-1	40557720	41358605	41137609	41017978	1.01	cps
Carbon	12-1	1917202	2011846	2072437	2000495	3.91	cps
Carbon	12-2	14938	15328	15271	15179	1.39	cps
Chlorine	35-1	61256	64811	66040	64035	3.88	cps
Chlorine	35-2	280	237	260	259	8.38	cps
Chromium	52-2	1437085	1476886	1434401	1449457	1.64	cps
Cobalt	59-2	2652222	2684052	2696276	2677517	0.85	cps
Copper	63-2	19151025	19585953	19492160	19409712	1.18	cps
Dysprosium	156-1	270	230	317	272	15.93	cps
Dysprosium	156-2	63	30	43	46	36.83	cps
Erbium	164-1	170	177	190	179	5.69	cps
Erbium	164-2	40	77	63	60	30.93	cps
Gadolinium	160-1	163	147	137	149	9.05	cps
Gadolinium	160-2	43	40	27	37	24.04	cps
Holmium	165-1	8295740	8461494	8409573	8388936	1.01	cps
Holmium	165-2	2950636	2930392	2951560	2944196	0.41	cps
Indium	115-1	6016083	6279687	6213363	6169711	2.22	cps
Indium	115-2	583830	590994	595929	590251	1.03	cps
Iron	54-2	2877454	2861337	2907929	2882240	0.82	cps
Iron	56-2	52301793	52806031	52245249	52451024	0.59	cps
Iron	57-2	1257789	1268674	1274416	1266960	0.67	cps
Krypton	83-1	117	90	110	106	13.15	cps
Lead	206-1	27247859	27880948	28284987	27804598	1.88	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:17:19	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	23607418	24330554	24359809	24099260	1.77	cps
Lead	208-1	109393329	112957549	112987635	111779504	1.85	cps
Lithium	6-1	3776900	3809484	3816537	3800974	0.56	cps
Magnesium	24-2	9968804	10093189	10040058	10034017	0.62	cps
Manganese	55-2	6145607	6127944	6130772	6134774	0.15	cps
Molybdenum	94-1	24521864	25215611	25029595	24922357	1.44	cps
Molybdenum	95-1	35464189	36385269	36382309	36077256	1.47	cps
Molybdenum	96-1	38439549	39621144	39454677	39171790	1.63	cps
Molybdenum	97-1	21656163	22397580	22361581	22138441	1.89	cps
Molybdenum	98-1	56690716	58619459	58372761	57894312	1.81	cps
Neodymium	150-1	857	883	850	863	2.04	cps
Neodymium	150-2	37	47	50	44	15.61	cps
Nickel	60-2	671190	682490	687083	680255	1.20	cps
Phosphorus	31-2	25626	26795	26351	26257	2.25	cps
Potassium	39-2	2941612	2948745	2952333	2947563	0.19	cps
Rhodium	103-1	5435179	5697585	5537176	5556647	2.38	cps
Rhodium	103-2	2124017	2165150	2139181	2142783	0.97	cps
Scandium	45-1	4520945	4679074	4628114	4609378	1.75	cps
Scandium	45-2	79988	80497	79763	80082	0.47	cps
Selenium	82-1	109510	111846	112134	111163	1.29	cps
Selenium	77-2	1703	1793	1770	1756	2.66	cps
Selenium	78-2	6095	6085	6005	6061	0.81	cps
Silicon	28-1	75637401	76256181	76387912	76093831	0.53	cps
Silver	107-1	8726977	8859236	9091567	8892593	2.08	cps
Silver	109-1	8270051	8537812	8526468	8444777	1.79	cps
Sodium	23-2	19895840	20138271	20020418	20018176	0.61	cps
Strontium	86-1	2527477	2558251	2607726	2564485	1.58	cps
Strontium	88-1	21506009	22146497	22096835	21916447	1.63	cps
Sulfur	34-1	979072	996818	1006096	993995	1.38	cps
Terbium	159-1	8247970	8588117	8457907	8431331	2.04	cps
Terbium	159-2	2824421	2830370	2883857	2846216	1.15	cps
Thallium	203-1	7098730	7282325	7213191	7198082	1.29	cps
Thallium	205-1	16920091	17124474	17104747	17049771	0.66	cps
Tin	118-1	5714218	5935205	5978916	5876113	2.41	cps
Titanium	47-1	10781525	10957156	11140660	10959780	1.64	cps
Uranium	238-1	22463311	23166197	23327578	22985695	2.00	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:17:19	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1072696	1084742	1090820	1082753	0.85	cps
Ytterbium	172-1	173	173	180	176	2.19	cps
Ytterbium	172-2	107	80	53	80	33.34	cps
Ytterbium	176-1	32580	32958	33111	32883	0.83	cps
Ytterbium	176-2	11929	11515	11572	11672	1.92	cps
Yttrium	89-1	11619488	11990072	11852230	11820596	1.58	cps
Yttrium	89-2	780892	791721	796138	789583	0.99	cps
Zinc	66-2	2078185	2079450	2109546	2089060	0.85	cps
Zirconium	90-1	12408211	12735526	12848978	12664238	1.81	cps
Zirconium	91-1	2769378	2874610	2873463	2839150	2.13	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:20:05	DataFile Name :	013CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2429201	2352009	2335128	2372113	2.11	cps
Antimony	121-1	2437	2207	1994	2212	10.02	cps
Arsenic	75-2	57	47	47	50	11.55	cps
Barium	135-1	6031	5761	5618	5804	3.62	cps
Barium	137-1	10928	9890	9413	10077	7.68	cps
Beryllium	9-1	866	706	717	763	11.70	cps
Bismuth	209-1	4027323	3937399	3901769	3955497	1.64	cps
Bismuth	209-2	1404346	1419170	1374932	1399482	1.61	cps
Bromine	81-1	4794	4657	4504	4652	3.12	cps
Cadmium	108-1	83	107	63	84	25.69	cps
Cadmium	106-1	3167	3240	3324	3244	2.42	cps
Cadmium	111-1	2575	2524	2622	2574	1.92	cps
Calcium	43-1	11144852	10805798	10599360	10850003	2.54	cps
Calcium	44-1	179699391	174621011	170657871	174992757	2.59	cps
Carbon	12-1	1718876	1689010	1661350	1689745	1.70	cps
Carbon	12-2	13663	13566	13266	13498	1.53	cps
Chlorine	35-1	44665	42215	42218	43033	3.29	cps
Chlorine	35-2	160	180	197	179	10.26	cps
Chromium	52-2	1994	1794	1587	1791	11.35	cps
Cobalt	59-2	4241	4347	4247	4278	1.40	cps
Copper	63-2	3434	3437	3250	3374	3.17	cps
Dysprosium	156-1	293	273	310	292	6.28	cps
Dysprosium	156-2	127	53	60	80	50.69	cps
Erbium	164-1	280	277	280	279	0.69	cps
Erbium	164-2	77	110	97	94	17.76	cps
Gadolinium	160-1	220	237	257	238	7.72	cps
Gadolinium	160-2	73	93	57	74	24.66	cps
Holmium	165-1	7375324	7138695	6953694	7155904	2.95	cps
Holmium	165-2	2461970	2480571	2370388	2437643	2.42	cps
Indium	115-1	5397697	5155199	5116590	5223162	2.92	cps
Indium	115-2	480308	483021	470759	478029	1.35	cps
Iron	54-2	11223070	11006656	10960128	11063284	1.27	cps
Iron	56-2	209249977	204731517	203022664	205668052	1.56	cps
Iron	57-2	5200241	5175233	5181107	5185527	0.25	cps
Krypton	83-1	167	130	197	164	20.30	cps
Lead	206-1	4741	3957	3541	4080	14.94	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:20:05	DataFile Name :	013CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3854	3527	2950	3444	13.29	cps
Lead	208-1	18555	16011	13800	16122	14.76	cps
Lithium	6-1	3316221	3194369	3154837	3221809	2.61	cps
Magnesium	24-2	40047622	39287722	38764639	39366661	1.64	cps
Manganese	55-2	2257	2117	2104	2159	3.93	cps
Molybdenum	94-1	6702	6131	5018	5950	14.39	cps
Molybdenum	95-1	6902	5688	4948	5846	16.88	cps
Molybdenum	96-1	10587	8679	8369	9212	13.04	cps
Molybdenum	97-1	3787	3140	2774	3234	15.87	cps
Molybdenum	98-1	9190	7662	6315	7722	18.63	cps
Neodymium	150-1	217	200	167	194	13.09	cps
Neodymium	150-2	30	70	30	43	53.29	cps
Nickel	60-2	1737	1627	1750	1705	3.97	cps
Phosphorus	31-2	40	20	30	30	33.33	cps
Potassium	39-2	11904558	11543674	11479353	11642528	1.97	cps
Rhodium	103-1	4599924	4413307	4375665	4462965	2.69	cps
Rhodium	103-2	1575205	1593184	1544563	1570984	1.56	cps
Scandium	45-1	4032130	3896625	3845806	3924854	2.45	cps
Scandium	45-2	62602	61892	60433	61643	1.79	cps
Selenium	82-1	45	35	8	29	65.43	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	7	7	3	6	34.70	cps
Silicon	28-1	312108	287048	273399	290852	6.75	cps
Silver	107-1	1403	1213	973	1197	18.01	cps
Silver	109-1	1287	1070	893	1083	18.19	cps
Sodium	23-2	79755207	77967409	76563402	78095339	2.05	cps
Strontium	86-1	6888	7105	6662	6885	3.22	cps
Strontium	88-1	59168	57725	56731	57875	2.12	cps
Sulfur	34-1	168073	162915	158975	163321	2.79	cps
Terbium	159-1	7375598	7239442	7221291	7278777	1.16	cps
Terbium	159-2	2312166	2363876	2259613	2311885	2.25	cps
Thallium	203-1	1097	700	653	817	29.83	cps
Thallium	205-1	2317	1767	1300	1795	28.36	cps
Tin	118-1	1703	1640	1400	1581	10.12	cps
Titanium	47-1	3927	3604	3594	3708	5.11	cps
Uranium	238-1	2094	1517	1187	1599	28.70	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:20:05	DataFile Name :	013CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	223	267	230	240	9.72	cps
Ytterbium	172-1	373	273	340	329	15.48	cps
Ytterbium	172-2	153	97	120	123	23.09	cps
Ytterbium	176-1	1210	1213	1140	1188	3.49	cps
Ytterbium	176-2	190	230	223	214	9.99	cps
Yttrium	89-1	10366340	10006595	9856368	10076434	2.60	cps
Yttrium	89-2	646520	645408	623341	638423	2.05	cps
Zinc	66-2	850	810	793	818	3.56	cps
Zirconium	90-1	6588	6375	6068	6344	4.12	cps
Zirconium	91-1	1603	1410	1413	1476	7.50	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P8
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:33:20	DataFile Name :	015ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13273	13640	12989	13301	2.45	cps
Antimony	121-1	1274973	1269653	1291654	1278760	0.90	cps
Arsenic	75-2	23787	23904	23523	23738	0.82	cps
Barium	135-1	171696	173431	173583	172903	0.61	cps
Barium	137-1	300029	301213	301098	300780	0.22	cps
Beryllium	9-1	256655	256049	257778	256827	0.34	cps
Bismuth	209-1	4970155	4954031	5196736	5040307	2.69	cps
Bismuth	209-2	2038432	2024963	2103129	2055508	2.03	cps
Bromine	81-1	4317	4154	4287	4253	2.05	cps
Cadmium	108-1	16113	16136	16170	16140	0.18	cps
Cadmium	106-1	19070	19190	19561	19274	1.33	cps
Cadmium	111-1	176167	177986	179623	177925	0.97	cps
Calcium	43-1	46829	47501	48124	47485	1.36	cps
Calcium	44-1	758966	765416	776851	767078	1.18	cps
Carbon	12-1	1796441	1861459	1888640	1848847	2.56	cps
Carbon	12-2	12896	12342	12572	12603	2.21	cps
Chlorine	35-1	39270	40035	40062	39789	1.13	cps
Chlorine	35-2	190	100	197	162	33.28	cps
Chromium	52-2	132170	134128	131309	132536	1.09	cps
Cobalt	59-2	255666	256355	256284	256101	0.15	cps
Copper	63-2	197612	199713	198973	198766	0.54	cps
Dysprosium	156-1	37	53	40	43	20.34	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	37	40	23	33	26.47	cps
Erbium	164-2	13	10	7	10	33.30	cps
Gadolinium	160-1	40	30	47	39	21.57	cps
Gadolinium	160-2	10	7	7	8	24.71	cps
Holmium	165-1	7721800	7878848	8261396	7954015	3.49	cps
Holmium	165-2	2845090	2863801	2913841	2874244	1.24	cps
Indium	115-1	6075318	6208438	6396036	6226597	2.59	cps
Indium	115-2	602637	601604	620789	608343	1.77	cps
Iron	54-2	113493	114114	114537	114048	0.46	cps
Iron	56-2	2151409	2102019	2123193	2125540	1.17	cps
Iron	57-2	50472	51014	50844	50777	0.55	cps
Krypton	83-1	103	70	80	84	20.25	cps
Lead	206-1	1132837	1162156	1143823	1146272	1.29	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P8
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:33:20	DataFile Name :	015ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	948139	964259	959663	957354	0.87	cps
Lead	208-1	4587433	4668212	4627370	4627671	0.87	cps
Lithium	6-1	3530660	3538819	3690010	3586497	2.50	cps
Magnesium	24-2	107610	108644	107724	107993	0.53	cps
Manganese	55-2	58138	58325	58573	58345	0.37	cps
Molybdenum	94-1	9441159	9524883	9525174	9497072	0.51	cps
Molybdenum	95-1	16893135	16849654	16775501	16839430	0.35	cps
Molybdenum	96-1	17739698	17938687	17914063	17864149	0.61	cps
Molybdenum	97-1	10270411	10368540	10316469	10318473	0.48	cps
Molybdenum	98-1	27046794	27167050	27288858	27167567	0.45	cps
Neodymium	150-1	40	37	27	34	20.14	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	70506	69890	70782	70393	0.65	cps
Phosphorus	31-2	17	33	30	27	33.06	cps
Potassium	39-2	108017	109888	109363	109089	0.88	cps
Rhodium	103-1	5601392	5645639	5929839	5725623	3.11	cps
Rhodium	103-2	2162874	2163417	2238854	2188382	2.00	cps
Scandium	45-1	4248139	4228406	4426716	4301087	2.54	cps
Scandium	45-2	72693	72944	75790	73809	2.33	cps
Selenium	82-1	22205	22171	22104	22160	0.23	cps
Selenium	77-2	337	357	380	358	6.06	cps
Selenium	78-2	1147	1137	1130	1138	0.74	cps
Silicon	28-1	220438	221799	223828	222022	0.77	cps
Silver	107-1	414502	421740	420052	418765	0.90	cps
Silver	109-1	397102	402408	404296	401269	0.93	cps
Sodium	23-2	368903	372285	369577	370255	0.48	cps
Strontium	86-1	707	753	717	726	3.39	cps
Strontium	88-1	5131	5541	5418	5363	3.92	cps
Sulfur	34-1	163401	163791	164391	163861	0.30	cps
Terbium	159-1	7942764	7918992	8267752	8043169	2.42	cps
Terbium	159-2	2725094	2717521	2805607	2749408	1.78	cps
Thallium	203-1	1390515	1410387	1412574	1404492	0.87	cps
Thallium	205-1	3565760	3538603	3543272	3549212	0.41	cps
Tin	118-1	1180	1080	1427	1229	14.52	cps
Titanium	47-1	413	343	317	358	13.95	cps
Uranium	238-1	70	47	30	49	41.10	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P8
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:33:20	DataFile Name :	015ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	100650	100771	99892	100438	0.47	cps
Ytterbium	172-1	57	33	40	43	27.74	cps
Ytterbium	172-2	27	17	17	20	28.86	cps
Ytterbium	176-1	953	980	1180	1038	11.94	cps
Ytterbium	176-2	167	173	210	183	12.73	cps
Yttrium	89-1	11002001	11106670	11458718	11189130	2.14	cps
Yttrium	89-2	747832	748765	775863	757487	2.10	cps
Zinc	66-2	40411	40722	40742	40625	0.46	cps
Zirconium	90-1	323	463	460	416	19.22	cps
Zirconium	91-1	403	307	343	351	13.90	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P8
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:36:39	DataFile Name :	016CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	20	37	27	28	30.20	cps
Antimony	121-1	583	523	553	553	5.42	cps
Arsenic	75-2	7	0	0	2	173.21	cps
Barium	135-1	257	223	250	243	7.25	cps
Barium	137-1	500	393	373	422	16.13	cps
Beryllium	9-1	372	365	335	357	5.55	cps
Bismuth	209-1	4894518	5051461	5012430	4986136	1.64	cps
Bismuth	209-2	2035882	2037818	2057602	2043767	0.59	cps
Bromine	81-1	4304	4397	4177	4293	2.57	cps
Cadmium	108-1	10	30	20	20	50.00	cps
Cadmium	106-1	3480	3350	3304	3378	2.71	cps
Cadmium	111-1	2443	2358	2305	2369	2.93	cps
Calcium	43-1	220	233	263	239	9.29	cps
Calcium	44-1	3764	3457	3854	3692	5.63	cps
Carbon	12-1	1422545	1438543	1419035	1426708	0.73	cps
Carbon	12-2	9356	9040	9396	9264	2.11	cps
Chlorine	35-1	39758	39437	38561	39252	1.58	cps
Chlorine	35-2	127	183	150	153	18.57	cps
Chromium	52-2	317	333	327	326	2.58	cps
Cobalt	59-2	107	93	103	101	6.87	cps
Copper	63-2	1833	1660	1710	1735	5.14	cps
Dysprosium	156-1	40	67	43	50	29.06	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	53	57	53	54	3.54	cps
Erbium	164-2	17	13	17	16	12.40	cps
Gadolinium	160-1	13	23	27	21	32.88	cps
Gadolinium	160-2	3	7	7	6	34.70	cps
Holmium	165-1	7687786	7777137	7903110	7789344	1.39	cps
Holmium	165-2	2800444	2845145	2788345	2811311	1.06	cps
Indium	115-1	6038279	6225007	6243370	6168885	1.84	cps
Indium	115-2	593344	594106	592749	593400	0.11	cps
Iron	54-2	217	257	267	247	10.73	cps
Iron	56-2	3641	3764	3527	3644	3.25	cps
Iron	57-2	87	67	73	76	13.48	cps
Krypton	83-1	70	57	90	72	23.23	cps
Lead	206-1	823	843	670	779	12.17	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P8
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:36:39	DataFile Name :	016CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	570	680	727	659	12.21	cps
Lead	208-1	3087	3287	2960	3111	5.29	cps
Lithium	6-1	3440244	3584236	3618823	3547768	2.67	cps
Magnesium	24-2	350	367	390	369	5.45	cps
Manganese	55-2	150	123	123	132	11.64	cps
Molybdenum	94-1	1180	963	940	1028	12.88	cps
Molybdenum	95-1	1640	1407	1443	1497	8.38	cps
Molybdenum	96-1	2164	1560	1497	1740	21.15	cps
Molybdenum	97-1	1053	933	920	969	7.58	cps
Molybdenum	98-1	2614	2507	2200	2440	8.80	cps
Neodymium	150-1	13	20	7	13	49.99	cps
Neodymium	150-2	0	3	7	3	100.05	cps
Nickel	60-2	590	553	603	582	4.45	cps
Phosphorus	31-2	20	23	23	22	8.65	cps
Potassium	39-2	2914	3240	2924	3026	6.14	cps
Rhodium	103-1	5557406	5761557	5797271	5705411	2.27	cps
Rhodium	103-2	2183632	2188879	2176089	2182867	0.29	cps
Scandium	45-1	4173095	4275941	4361132	4270056	2.21	cps
Scandium	45-2	71399	72160	70502	71354	1.16	cps
Selenium	82-1	27	23	-20	10	258.79	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	0	0	7	2	173.21	cps
Silicon	28-1	208131	207657	208262	208016	0.15	cps
Silver	107-1	410	280	220	303	32.02	cps
Silver	109-1	330	250	250	277	16.69	cps
Sodium	23-2	9253	8966	9153	9124	1.60	cps
Strontium	86-1	160	227	190	192	17.37	cps
Strontium	88-1	383	350	350	361	5.33	cps
Sulfur	34-1	166313	165796	166582	166230	0.24	cps
Terbium	159-1	7863543	7932247	8155149	7983647	1.91	cps
Terbium	159-2	2718653	2748854	2671079	2712862	1.45	cps
Thallium	203-1	400	330	353	361	9.87	cps
Thallium	205-1	957	850	793	867	9.57	cps
Tin	118-1	857	823	833	838	2.04	cps
Titanium	47-1	70	73	63	69	7.39	cps
Uranium	238-1	33	13	33	27	43.31	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P8
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:36:39	DataFile Name :	016CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	13	7	7	9	43.25	cps
Ytterbium	172-1	37	37	50	41	18.72	cps
Ytterbium	172-2	10	7	27	14	74.18	cps
Ytterbium	176-1	1103	1020	1090	1071	4.18	cps
Ytterbium	176-2	187	140	187	171	15.75	cps
Yttrium	89-1	10960785	11259183	11235779	11151916	1.49	cps
Yttrium	89-2	740400	740266	729310	736659	0.86	cps
Zinc	66-2	140	160	100	133	22.91	cps
Zirconium	90-1	290	323	280	298	7.62	cps
Zirconium	91-1	70	80	83	78	8.92	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P8
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:40:01	DataFile Name :	017ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2689605	2680082	2664183	2677956	0.48	cps
Antimony	121-1	7269	7369	7569	7402	2.06	cps
Arsenic	75-2	63	33	50	49	30.75	cps
Barium	135-1	2747	2774	2657	2726	2.24	cps
Barium	137-1	4394	4611	4631	4545	2.89	cps
Beryllium	9-1	954	1025	915	965	5.78	cps
Bismuth	209-1	4324675	4563100	4593316	4493697	3.27	cps
Bismuth	209-2	1834927	1875200	1856377	1855501	1.09	cps
Bromine	81-1	5218	5484	5358	5353	2.49	cps
Cadmium	108-1	1857	1780	1807	1815	2.15	cps
Cadmium	106-1	3300	3174	3247	3240	1.96	cps
Cadmium	111-1	3221	3056	3122	3133	2.65	cps
Calcium	43-1	2471112	2548077	2546094	2521761	1.74	cps
Calcium	44-1	39489042	40265653	40906247	40220314	1.76	cps
Carbon	12-1	20500451	21283643	21750441	21178178	2.98	cps
Carbon	12-2	143620	142644	144707	143657	0.72	cps
Chlorine	35-1	30430750	32958195	34260053	32549666	5.98	cps
Chlorine	35-2	128535	127909	131807	129417	1.62	cps
Chromium	52-2	26197	26849	26378	26475	1.27	cps
Cobalt	59-2	2900	2827	2844	2857	1.35	cps
Copper	63-2	15886	16293	16590	16256	2.17	cps
Dysprosium	156-1	50	60	73	61	19.15	cps
Dysprosium	156-2	13	13	7	11	34.61	cps
Erbium	164-1	63	67	47	59	18.19	cps
Erbium	164-2	10	20	20	17	34.64	cps
Gadolinium	160-1	40	60	33	44	31.23	cps
Gadolinium	160-2	10	17	13	13	25.01	cps
Holmium	165-1	7343918	7780645	8087689	7737417	4.83	cps
Holmium	165-2	2839733	2867496	2855692	2854307	0.49	cps
Indium	115-1	5563068	5936636	6208372	5902692	5.49	cps
Indium	115-2	580325	582979	580987	581430	0.24	cps
Iron	54-2	5643626	5536528	5623627	5601260	1.02	cps
Iron	56-2	103513172	103224278	103747662	103495037	0.25	cps
Iron	57-2	2636369	2662712	2703201	2667427	1.26	cps
Krypton	83-1	83	83	103	90	12.83	cps
Lead	206-1	25205	25225	25445	25291	0.53	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P8
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:40:01	DataFile Name :	017ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	20426	19772	19979	20059	1.67	cps
Lead	208-1	94777	94491	94637	94635	0.15	cps
Lithium	6-1	3431042	3605906	3645167	3560705	3.20	cps
Magnesium	24-2	9116189	9148433	9200978	9155200	0.47	cps
Manganese	55-2	4367	4511	4414	4431	1.65	cps
Molybdenum	94-1	3956185	3963853	4040670	3986903	1.17	cps
Molybdenum	95-1	6905593	7030015	7169209	7034939	1.87	cps
Molybdenum	96-1	7317371	7459232	7561087	7445897	1.64	cps
Molybdenum	97-1	4268357	4376888	4406726	4350657	1.67	cps
Molybdenum	98-1	11129481	11352100	11346575	11276052	1.13	cps
Neodymium	150-1	63	47	33	48	31.46	cps
Neodymium	150-2	13	7	7	9	43.25	cps
Nickel	60-2	4151	4051	4244	4148	2.33	cps
Phosphorus	31-2	130375	130870	131186	130811	0.31	cps
Potassium	39-2	5564097	5560653	5610739	5578497	0.50	cps
Rhodium	103-1	4905361	5268861	5330122	5168115	4.44	cps
Rhodium	103-2	2047566	2057253	2028341	2044386	0.72	cps
Scandium	45-1	4055863	4382353	4491978	4310064	5.26	cps
Scandium	45-2	74384	75805	76194	75461	1.26	cps
Selenium	82-1	63	37	3	35	86.95	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	3	0	0	1	173.21	cps
Silicon	28-1	347424	356857	356772	353684	1.53	cps
Silver	107-1	1137	1103	960	1067	8.80	cps
Silver	109-1	1040	980	877	966	8.56	cps
Sodium	23-2	19324241	19272085	19313715	19303347	0.14	cps
Strontium	86-1	76870	77657	79497	78008	1.73	cps
Strontium	88-1	663251	681042	679287	674527	1.45	cps
Sulfur	34-1	3325254	3443945	3402761	3390653	1.78	cps
Terbium	159-1	7455454	7959355	8248876	7887895	5.09	cps
Terbium	159-2	2739876	2771628	2773398	2761634	0.68	cps
Thallium	203-1	1053	977	963	998	4.87	cps
Thallium	205-1	2547	2390	2560	2499	3.78	cps
Tin	118-1	2317	2690	2474	2494	7.52	cps
Titanium	47-1	2185853	2287579	2317021	2263484	3.04	cps
Uranium	238-1	397	377	330	368	9.30	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P8
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:40:01	DataFile Name :	017ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	163	157	177	166	6.15	cps
Ytterbium	172-1	63	47	53	54	15.40	cps
Ytterbium	172-2	30	23	33	29	17.63	cps
Ytterbium	176-1	1010	1033	997	1013	1.83	cps
Ytterbium	176-2	107	163	167	146	23.17	cps
Yttrium	89-1	10361439	11190287	11496974	11016233	5.33	cps
Yttrium	89-2	760845	762753	759506	761035	0.21	cps
Zinc	66-2	2274	2327	2244	2281	1.85	cps
Zirconium	90-1	563	610	623	599	5.26	cps
Zirconium	91-1	170	163	150	161	6.32	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P8
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:43:10	DataFile Name :	018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2757893	2739600	2763260	2753585	0.45	cps
Antimony	121-1	134547	136981	139554	137027	1.83	cps
Arsenic	75-2	2597	2650	2404	2550	5.09	cps
Barium	135-1	36633	37071	37943	37215	1.79	cps
Barium	137-1	63391	66204	65367	64987	2.22	cps
Beryllium	9-1	52856	54073	54396	53775	1.51	cps
Bismuth	209-1	5080348	4745627	4776234	4867403	3.80	cps
Bismuth	209-2	1852970	1912913	1880807	1882230	1.59	cps
Bromine	81-1	5198	5491	5591	5427	3.77	cps
Cadmium	108-1	4154	4031	3954	4046	2.49	cps
Cadmium	106-1	6638	6765	6328	6577	3.42	cps
Cadmium	111-1	35504	36183	36292	35993	1.19	cps
Calcium	43-1	2566473	2599215	2579939	2581876	0.64	cps
Calcium	44-1	41319822	41597090	41798187	41571700	0.58	cps
Carbon	12-1	21593887	22545431	22958156	22365825	3.13	cps
Carbon	12-2	150440	151804	153168	151804	0.90	cps
Chlorine	35-1	32356016	35009509	36112861	34492796	5.60	cps
Chlorine	35-2	135113	134736	137196	135682	0.98	cps
Chromium	52-2	53088	53807	53550	53482	0.68	cps
Cobalt	59-2	54129	52316	52945	53130	1.73	cps
Copper	63-2	54256	54317	55344	54639	1.12	cps
Dysprosium	156-1	63	70	40	58	27.26	cps
Dysprosium	156-2	17	7	10	11	45.82	cps
Erbium	164-1	70	100	83	84	17.80	cps
Erbium	164-2	20	27	27	24	15.75	cps
Gadolinium	160-1	77	60	57	64	16.63	cps
Gadolinium	160-2	13	10	20	14	35.26	cps
Holmium	165-1	8747785	8283508	8235775	8422356	3.36	cps
Holmium	165-2	2864651	2809735	2846069	2840151	0.98	cps
Indium	115-1	6663688	6326638	6280038	6423455	3.26	cps
Indium	115-2	587290	591123	591337	589916	0.39	cps
Iron	54-2	5744607	5799598	5761072	5768426	0.49	cps
Iron	56-2	106393918	106577618	106403912	106458483	0.10	cps
Iron	57-2	2735563	2747278	2720870	2734570	0.48	cps
Krypton	83-1	87	73	117	92	24.07	cps
Lead	206-1	132825	132906	135870	133867	1.30	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P8
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:43:10	DataFile Name :	018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	110957	111612	113424	111998	1.14	cps
Lead	208-1	510959	516630	524124	517238	1.28	cps
Lithium	6-1	4014919	3762116	3769138	3848724	3.74	cps
Magnesium	24-2	9592397	9477137	9500242	9523259	0.64	cps
Manganese	55-2	16440	16373	16163	16325	0.89	cps
Molybdenum	94-1	4078019	4138822	4084748	4100530	0.81	cps
Molybdenum	95-1	7203218	7297394	7190655	7230423	0.81	cps
Molybdenum	96-1	7537202	7711583	7807665	7685483	1.78	cps
Molybdenum	97-1	4420134	4465851	4482412	4456132	0.72	cps
Molybdenum	98-1	11621546	11738588	11641850	11667328	0.54	cps
Neodymium	150-1	50	53	50	51	3.76	cps
Neodymium	150-2	7	10	0	6	91.64	cps
Nickel	60-2	17514	17454	17477	17482	0.17	cps
Phosphorus	31-2	133995	134964	134506	134488	0.36	cps
Potassium	39-2	5796339	5744525	5803788	5781551	0.56	cps
Rhodium	103-1	6021166	5571431	5561316	5717971	4.59	cps
Rhodium	103-2	2098579	2076708	2098656	2091315	0.60	cps
Scandium	45-1	5060341	4613743	4657503	4777196	5.15	cps
Scandium	45-2	77129	76512	77943	77195	0.93	cps
Selenium	82-1	2350	2314	2317	2327	0.87	cps
Selenium	77-2	37	47	33	39	17.85	cps
Selenium	78-2	130	103	137	123	14.30	cps
Silicon	28-1	371197	378796	379823	376606	1.25	cps
Silver	107-1	158020	162605	160512	160379	1.43	cps
Silver	109-1	150755	154094	155105	153318	1.48	cps
Sodium	23-2	20017545	19717008	20035565	19923373	0.90	cps
Strontium	86-1	78680	81472	81315	80489	1.95	cps
Strontium	88-1	682905	695330	699520	692585	1.25	cps
Sulfur	34-1	3516467	3537204	3568139	3540603	0.73	cps
Terbium	159-1	8972525	8253953	8180027	8468835	5.17	cps
Terbium	159-2	2756245	2773727	2765716	2765229	0.32	cps
Thallium	203-1	134758	135131	137944	135944	1.28	cps
Thallium	205-1	320946	325085	330159	325397	1.42	cps
Tin	118-1	2117	2544	1984	2215	13.21	cps
Titanium	47-1	2330576	2324824	2343224	2332875	0.40	cps
Uranium	238-1	393	437	397	409	5.90	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P8
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:43:10	DataFile Name :	018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	20842	20565	20952	20786	0.96	cps
Ytterbium	172-1	73	57	43	58	26.01	cps
Ytterbium	172-2	27	27	17	23	24.74	cps
Ytterbium	176-1	1107	1007	913	1009	9.58	cps
Ytterbium	176-2	147	110	170	142	21.27	cps
Yttrium	89-1	12758822	11710539	11831112	12100157	4.74	cps
Yttrium	89-2	777981	776390	778120	777497	0.12	cps
Zinc	66-2	6445	6448	6305	6399	1.28	cps
Zirconium	90-1	573	557	663	598	9.60	cps
Zirconium	91-1	153	157	153	154	1.24	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCV011	Instrumnet Name :	P8
Client Sample ID :	CCV011	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:57:37	DataFile Name :	021CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1254755	1233207	1240573	1242845	0.88	cps
Antimony	121-1	2943079	2915872	2899755	2919569	0.75	cps
Arsenic	75-2	50503	50246	51303	50684	1.09	cps
Barium	135-1	3868747	3887015	3772247	3842670	1.60	cps
Barium	137-1	6525203	6612257	6438699	6525386	1.33	cps
Beryllium	9-1	1127733	1143521	1141592	1137615	0.76	cps
Bismuth	209-1	4348989	4209616	4195270	4251292	2.00	cps
Bismuth	209-2	1576804	1566913	1562699	1568805	0.46	cps
Bromine	81-1	4394	4828	4724	4649	4.87	cps
Cadmium	108-1	62718	62039	62524	62427	0.56	cps
Cadmium	106-1	90528	91548	91530	91202	0.64	cps
Cadmium	111-1	774941	788488	799776	787735	1.58	cps
Calcium	43-1	5459806	5519828	5519549	5499728	0.63	cps
Calcium	44-1	87893839	88828199	89734792	88818943	1.04	cps
Carbon	12-1	1594490	1623678	1675721	1631296	2.52	cps
Carbon	12-2	12689	12756	12572	12672	0.73	cps
Chlorine	35-1	230757	226471	228965	228731	0.94	cps
Chlorine	35-2	777	903	727	802	11.35	cps
Chromium	52-2	571110	567286	564016	567471	0.63	cps
Cobalt	59-2	1041567	1044272	1039287	1041709	0.24	cps
Copper	63-2	7791606	7715014	7691888	7732836	0.67	cps
Dysprosium	156-1	197	207	237	213	9.76	cps
Dysprosium	156-2	47	60	17	41	53.98	cps
Erbium	164-1	173	197	137	169	17.91	cps
Erbium	164-2	73	67	33	58	37.09	cps
Gadolinium	160-1	170	153	157	160	5.51	cps
Gadolinium	160-2	53	50	60	54	9.35	cps
Holmium	165-1	7480029	7401569	7352991	7411529	0.86	cps
Holmium	165-2	2600581	2594627	2564875	2586694	0.74	cps
Indium	115-1	5656008	5542395	5451966	5550123	1.84	cps
Indium	115-2	522792	523492	517773	521352	0.60	cps
Iron	54-2	6006852	5907123	5964032	5959336	0.84	cps
Iron	56-2	110168342	110216682	109371122	109918715	0.43	cps
Iron	57-2	2790390	2823219	2754970	2789526	1.22	cps
Krypton	83-1	123	100	107	110	10.93	cps
Lead	206-1	11727535	11914997	11779865	11807466	0.82	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCV011	Instrumnet Name :	P8
Client Sample ID :	CCV011	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:57:37	DataFile Name :	021CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	10170996	10227892	10185410	10194766	0.29	cps
Lead	208-1	46620991	47071851	46837092	46843311	0.48	cps
Lithium	6-1	3386950	3238784	3264398	3296711	2.40	cps
Magnesium	24-2	20919144	20607454	20698476	20741691	0.77	cps
Manganese	55-2	2602577	2582639	2558704	2581307	0.85	cps
Molybdenum	94-1	10835351	10809891	10878831	10841357	0.32	cps
Molybdenum	95-1	15605201	15808079	15481204	15631494	1.06	cps
Molybdenum	96-1	16912240	17049017	16986246	16982501	0.40	cps
Molybdenum	97-1	9524640	9451717	9628132	9534830	0.93	cps
Molybdenum	98-1	25128341	25073762	25334863	25178989	0.55	cps
Neodymium	150-1	433	403	447	428	5.19	cps
Neodymium	150-2	10	27	27	21	45.58	cps
Nickel	60-2	276114	275522	275151	275596	0.18	cps
Phosphorus	31-2	10844	10897	10754	10832	0.67	cps
Potassium	39-2	6189816	6047255	6055151	6097408	1.31	cps
Rhodium	103-1	4947713	4731257	4808438	4829136	2.27	cps
Rhodium	103-2	1790403	1817718	1745711	1784611	2.04	cps
Scandium	45-1	4185249	4095708	4062501	4114486	1.54	cps
Scandium	45-2	69567	68760	68958	69095	0.61	cps
Selenium	82-1	45545	46105	46129	45926	0.72	cps
Selenium	77-2	630	690	677	666	4.73	cps
Selenium	78-2	2277	2460	2477	2405	4.62	cps
Silicon	28-1	16826292	16764836	16767453	16786194	0.21	cps
Silver	107-1	3733840	3779699	3716110	3743217	0.88	cps
Silver	109-1	3474289	3525747	3511290	3503775	0.76	cps
Sodium	23-2	41432125	41200994	40971449	41201523	0.56	cps
Strontium	86-1	1025735	1044002	1043988	1037908	1.02	cps
Strontium	88-1	9400630	9373029	9324935	9366198	0.41	cps
Sulfur	34-1	506555	511520	507584	508553	0.52	cps
Terbium	159-1	7744630	7486932	7509307	7580290	1.88	cps
Terbium	159-2	2500528	2535620	2444851	2493666	1.84	cps
Thallium	203-1	3079950	3063179	3108116	3083748	0.74	cps
Thallium	205-1	7300283	7171634	7214881	7228933	0.91	cps
Tin	118-1	2493115	2558673	2513152	2521647	1.33	cps
Titanium	47-1	4684325	4838290	4750635	4757750	1.62	cps
Uranium	238-1	9818930	9835949	9785784	9813554	0.26	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCV011	Instrumnet Name :	P8
Client Sample ID :	CCV011	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 15:57:37	DataFile Name :	021CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	453776	456788	453026	454530	0.44	cps
Ytterbium	172-1	207	193	163	188	11.82	cps
Ytterbium	172-2	53	73	93	73	27.27	cps
Ytterbium	176-1	14708	14602	14902	14737	1.03	cps
Ytterbium	176-2	4951	5038	5141	5043	1.89	cps
Yttrium	89-1	10714327	10608391	10232297	10518338	2.41	cps
Yttrium	89-2	695049	694558	695058	694888	0.04	cps
Zinc	66-2	884685	879788	883525	882666	0.29	cps
Zirconium	90-1	5340918	5481419	5466624	5429653	1.42	cps
Zirconium	91-1	1140887	1158357	1153165	1150803	0.78	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCB011	Instrumnet Name :	P8
Client Sample ID :	CCB011	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:01:38	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	47	47	37	43	13.32	cps
Antimony	121-1	580	577	530	562	4.97	cps
Arsenic	75-2	0	3	7	3	100.05	cps
Barium	135-1	497	540	457	498	8.37	cps
Barium	137-1	880	833	777	830	6.23	cps
Beryllium	9-1	531	539	502	524	3.65	cps
Bismuth	209-1	4887169	4983367	4929874	4933470	0.98	cps
Bismuth	209-2	1994322	2018557	1988489	2000456	0.80	cps
Bromine	81-1	4391	4267	4451	4370	2.14	cps
Cadmium	108-1	3	13	13	10	57.75	cps
Cadmium	106-1	3737	3514	3404	3552	4.78	cps
Cadmium	111-1	2684	2507	2397	2529	5.73	cps
Calcium	43-1	333	397	330	353	10.63	cps
Calcium	44-1	5561	5081	4961	5201	6.11	cps
Carbon	12-1	1419679	1401962	1418803	1413482	0.71	cps
Carbon	12-2	9763	9543	8926	9411	4.61	cps
Chlorine	35-1	161796	159369	155468	158878	2.01	cps
Chlorine	35-2	537	560	623	573	7.82	cps
Chromium	52-2	230	337	233	267	22.74	cps
Cobalt	59-2	87	70	120	92	27.61	cps
Copper	63-2	1747	1633	1607	1662	4.47	cps
Dysprosium	156-1	27	23	17	22	22.91	cps
Dysprosium	156-2	7	0	3	3	100.05	cps
Erbium	164-1	37	33	67	46	40.30	cps
Erbium	164-2	13	3	17	11	62.48	cps
Gadolinium	160-1	10	20	20	17	34.64	cps
Gadolinium	160-2	13	0	3	6	124.93	cps
Holmium	165-1	7588334	7737301	7729404	7685013	1.09	cps
Holmium	165-2	2768063	2752196	2750275	2756844	0.35	cps
Indium	115-1	6253077	6212043	6183790	6216304	0.56	cps
Indium	115-2	578510	585657	580234	581467	0.64	cps
Iron	54-2	300	350	367	339	10.24	cps
Iron	56-2	5238	5174	4881	5098	3.73	cps
Iron	57-2	150	117	103	123	19.49	cps
Krypton	83-1	87	60	50	66	28.92	cps
Lead	206-1	1353	1330	1313	1332	1.51	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCB011	Instrumnet Name :	P8
Client Sample ID :	CCB011	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:01:38	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1210	1047	1073	1110	7.89	cps
Lead	208-1	5754	5337	5154	5415	5.68	cps
Lithium	6-1	3458054	3485243	3483063	3475453	0.43	cps
Magnesium	24-2	607	580	577	588	2.80	cps
Manganese	55-2	253	170	187	203	21.69	cps
Molybdenum	94-1	643	440	400	494	26.39	cps
Molybdenum	95-1	680	570	500	583	15.56	cps
Molybdenum	96-1	717	660	617	664	7.55	cps
Molybdenum	97-1	383	350	320	351	9.02	cps
Molybdenum	98-1	1087	763	710	853	23.89	cps
Neodymium	150-1	13	23	10	16	44.60	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	607	550	590	582	5.00	cps
Phosphorus	31-2	27	23	23	24	7.89	cps
Potassium	39-2	3324	3217	3300	3280	1.71	cps
Rhodium	103-1	5638583	5689173	5654190	5660649	0.46	cps
Rhodium	103-2	2118986	2162627	2124823	2135479	1.11	cps
Scandium	45-1	4271829	4266524	4241655	4260003	0.38	cps
Scandium	45-2	71259	71092	70492	70947	0.57	cps
Selenium	82-1	-30	3	37	3	963.44	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	0	3	1	173.21	cps
Silicon	28-1	212583	211301	209003	210962	0.86	cps
Silver	107-1	410	413	293	372	18.36	cps
Silver	109-1	370	277	277	308	17.51	cps
Sodium	23-2	10928	10914	10764	10869	0.84	cps
Strontium	86-1	167	173	157	166	5.07	cps
Strontium	88-1	603	457	380	480	23.64	cps
Sulfur	34-1	167428	167580	165787	166932	0.60	cps
Terbium	159-1	7997071	7853226	7889998	7913432	0.94	cps
Terbium	159-2	2720970	2717977	2675513	2704820	0.94	cps
Thallium	203-1	533	560	497	530	6.00	cps
Thallium	205-1	1313	1263	1140	1239	7.20	cps
Tin	118-1	1003	1040	953	999	4.36	cps
Titanium	47-1	233	170	137	180	27.28	cps
Uranium	238-1	297	177	190	221	29.75	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCB011	Instrumnet Name :	P8
Client Sample ID :	CCB011	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:01:38	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	3	0	10	4	114.60	cps
Ytterbium	172-1	43	33	47	41	16.89	cps
Ytterbium	172-2	20	13	17	17	20.01	cps
Ytterbium	176-1	1183	1090	1030	1101	7.02	cps
Ytterbium	176-2	160	137	120	139	14.47	cps
Yttrium	89-1	11139022	11065322	11114564	11106303	0.34	cps
Yttrium	89-2	727478	729552	728993	728674	0.15	cps
Zinc	66-2	163	193	133	163	18.37	cps
Zirconium	90-1	673	600	653	642	5.90	cps
Zirconium	91-1	133	150	153	146	7.36	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166280BL	Instrumnet Name :	P8
Client Sample ID :	PBS280	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:08:17	DataFile Name :	024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	103	33	53	63	56.93	cps
Antimony	121-1	147	113	167	142	18.95	cps
Arsenic	75-2	3	3	7	4	43.40	cps
Barium	135-1	277	203	200	227	19.12	cps
Barium	137-1	437	460	457	451	2.80	cps
Beryllium	9-1	306	289	312	302	4.07	cps
Bismuth	209-1	4829395	4794195	3860647	4494746	12.22	cps
Bismuth	209-2	1900187	1952957	1928617	1927254	1.37	cps
Bromine	81-1	4561	4461	4224	4415	3.92	cps
Cadmium	108-1	17	13	10	13	25.01	cps
Cadmium	106-1	3214	3110	2580	2968	11.45	cps
Cadmium	111-1	2258	2185	1823	2088	11.16	cps
Calcium	43-1	227	210	233	223	5.38	cps
Calcium	44-1	3304	3190	3117	3204	2.94	cps
Carbon	12-1	1239491	1231405	1227656	1232851	0.49	cps
Carbon	12-2	8092	8166	7719	7992	3.00	cps
Chlorine	35-1	1856498	1646727	1438763	1647329	12.68	cps
Chlorine	35-2	4474	4027	3924	4142	7.06	cps
Chromium	52-2	307	220	267	264	16.40	cps
Cobalt	59-2	93	67	77	79	17.07	cps
Copper	63-2	1690	1697	1613	1667	2.78	cps
Dysprosium	156-1	120	113	93	109	12.74	cps
Dysprosium	156-2	3	7	0	3	100.05	cps
Erbium	164-1	63	53	33	50	30.55	cps
Erbium	164-2	10	10	13	11	17.30	cps
Gadolinium	160-1	37	40	30	36	14.32	cps
Gadolinium	160-2	13	7	3	8	65.47	cps
Holmium	165-1	7539425	7348528	6060220	6982724	11.52	cps
Holmium	165-2	2668113	2690464	2688155	2682244	0.46	cps
Indium	115-1	5950055	5913547	4869699	5577767	11.00	cps
Indium	115-2	565793	566817	570489	567700	0.43	cps
Iron	54-2	383	413	357	384	7.37	cps
Iron	56-2	6472	6369	6028	6289	3.69	cps
Iron	57-2	203	137	163	168	20.00	cps
Krypton	83-1	77	93	93	88	10.96	cps
Lead	206-1	1833	1683	1503	1673	9.87	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166280BL	Instrumnet Name :	P8
Client Sample ID :	PBS280	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:08:17	DataFile Name :	024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1303	1447	1230	1327	8.31	cps
Lead	208-1	6647	6251	5691	6196	7.76	cps
Lithium	6-1	3344402	3346155	2673823	3121460	12.42	cps
Magnesium	24-2	427	347	470	414	15.10	cps
Manganese	55-2	253	217	243	238	7.97	cps
Molybdenum	94-1	210	180	227	206	11.51	cps
Molybdenum	95-1	200	143	153	166	18.27	cps
Molybdenum	96-1	243	213	223	227	6.74	cps
Molybdenum	97-1	97	113	87	99	13.62	cps
Molybdenum	98-1	213	240	260	238	9.84	cps
Neodymium	150-1	30	7	33	23	62.26	cps
Neodymium	150-2	10	7	7	8	24.71	cps
Nickel	60-2	503	533	543	527	3.95	cps
Phosphorus	31-2	27	33	20	27	24.99	cps
Potassium	39-2	3024	3034	3177	3078	2.79	cps
Rhodium	103-1	5494233	5463107	4393930	5117090	12.24	cps
Rhodium	103-2	2081702	2109443	2079934	2090360	0.79	cps
Scandium	45-1	4067231	4099876	3311420	3826176	11.66	cps
Scandium	45-2	68037	69691	68482	68737	1.25	cps
Selenium	82-1	47	-30	7	8	487.96	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	7	0	0	2	173.21	cps
Silicon	28-1	205541	204138	209428	206369	1.33	cps
Silver	107-1	230	207	160	199	17.92	cps
Silver	109-1	137	143	107	129	15.15	cps
Sodium	23-2	8833	8913	9350	9032	3.08	cps
Strontium	86-1	180	163	203	182	11.03	cps
Strontium	88-1	357	280	247	294	19.16	cps
Sulfur	34-1	156427	157819	156505	156917	0.50	cps
Terbium	159-1	7692499	7609326	6225927	7175918	11.48	cps
Terbium	159-2	2598121	2599636	2604836	2600864	0.14	cps
Thallium	203-1	560	583	490	544	8.92	cps
Thallium	205-1	1320	1240	1280	1280	3.13	cps
Tin	118-1	747	703	663	704	5.92	cps
Titanium	47-1	150	150	153	151	1.28	cps
Uranium	238-1	30	30	37	32	11.95	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166280BL	Instrumnet Name :	P8
Client Sample ID :	PBS280	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:08:17	DataFile Name :	024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	10	13	10	11	17.30	cps
Ytterbium	172-1	57	53	27	46	36.09	cps
Ytterbium	172-2	3	20	7	10	88.20	cps
Ytterbium	176-1	973	1050	747	923	17.08	cps
Ytterbium	176-2	103	120	140	121	15.16	cps
Yttrium	89-1	10615875	10666417	8687889	9990060	11.29	cps
Yttrium	89-2	707095	706600	709431	707709	0.21	cps
Zinc	66-2	173	140	140	151	12.74	cps
Zirconium	90-1	357	440	347	381	13.45	cps
Zirconium	91-1	43	73	53	57	26.96	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166280BS	Instrumnet Name :	P8
Client Sample ID :	LCS280	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:11:41	DataFile Name :	025LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1043	1070	1027	1047	2.09	cps
Antimony	121-1	24071	24552	24829	24484	1.57	cps
Arsenic	75-2	270	247	193	237	16.61	cps
Barium	135-1	32375	32910	32933	32740	0.96	cps
Barium	137-1	55473	55717	56487	55893	0.95	cps
Beryllium	9-1	5205	5285	5283	5258	0.87	cps
Bismuth	209-1	4829845	4800176	4529835	4719952	3.50	cps
Bismuth	209-2	1824673	1829348	2332514	1995512	14.63	cps
Bromine	81-1	4124	4357	4271	4251	2.78	cps
Cadmium	108-1	280	247	297	274	9.28	cps
Cadmium	106-1	3487	3500	3524	3504	0.53	cps
Cadmium	111-1	5325	5411	5476	5404	1.40	cps
Calcium	43-1	22965	23553	23129	23215	1.31	cps
Calcium	44-1	371945	378674	373418	374679	0.94	cps
Carbon	12-1	1284893	1273776	1283341	1280670	0.47	cps
Carbon	12-2	8566	8573	8299	8479	1.84	cps
Chlorine	35-1	1290019	1307967	1292838	1296942	0.74	cps
Chlorine	35-2	4714	4511	4587	4604	2.23	cps
Chromium	52-2	5154	5038	5168	5120	1.40	cps
Cobalt	59-2	4921	4854	4958	4911	1.07	cps
Copper	63-2	9813	9720	9683	9739	0.69	cps
Dysprosium	156-1	100	90	63	84	22.45	cps
Dysprosium	156-2	7	3	0	3	100.05	cps
Erbium	164-1	30	17	50	32	52.06	cps
Erbium	164-2	20	0	13	11	91.66	cps
Gadolinium	160-1	10	13	17	13	25.01	cps
Gadolinium	160-2	3	10	7	7	50.03	cps
Holmium	165-1	7508019	7487504	7268452	7421325	1.79	cps
Holmium	165-2	2519638	2547309	3200280	2755742	13.98	cps
Indium	115-1	6017003	5979123	5756764	5917630	2.38	cps
Indium	115-2	533380	545395	677466	585414	13.66	cps
Iron	54-2	20718	20712	21162	20864	1.24	cps
Iron	56-2	390726	390346	384098	388390	0.96	cps
Iron	57-2	9920	9887	9520	9776	2.27	cps
Krypton	83-1	73	90	83	82	10.20	cps
Lead	206-1	11365	11879	11715	11653	2.25	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166280BS	Instrumnet Name :	P8
Client Sample ID :	LCS280	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:11:41	DataFile Name :	025LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	9744	10624	9880	10083	4.70	cps
Lead	208-1	45936	47451	46400	46595	1.67	cps
Lithium	6-1	3361878	3339478	3199993	3300449	2.66	cps
Magnesium	24-2	84433	84399	84436	84423	0.02	cps
Manganese	55-2	1367	1310	1440	1372	4.75	cps
Molybdenum	94-1	26545	27290	26929	26922	1.38	cps
Molybdenum	95-1	33286	32829	32779	32965	0.85	cps
Molybdenum	96-1	35549	36424	35495	35823	1.46	cps
Molybdenum	97-1	19918	20659	20058	20211	1.95	cps
Molybdenum	98-1	52515	51713	52726	52318	1.02	cps
Neodymium	150-1	7	23	7	12	78.69	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	1703	1787	1840	1777	3.88	cps
Phosphorus	31-2	103	80	70	84	20.25	cps
Potassium	39-2	53218	53559	53967	53581	0.70	cps
Rhodium	103-1	5492668	5471935	5224110	5396238	2.77	cps
Rhodium	103-2	1954043	2004973	2518426	2159148	14.46	cps
Scandium	45-1	4115286	4082290	3941438	4046338	2.28	cps
Scandium	45-2	63985	66396	81199	70527	13.22	cps
Selenium	82-1	991	1141	1098	1077	7.17	cps
Selenium	77-2	13	17	30	20	44.10	cps
Selenium	78-2	60	63	60	61	3.15	cps
Silicon	28-1	327740	326983	327219	327314	0.12	cps
Silver	107-1	16116	16346	16423	16295	0.98	cps
Silver	109-1	15425	15829	15702	15652	1.32	cps
Sodium	23-2	181450	179478	179746	180224	0.59	cps
Strontium	86-1	4581	4584	4457	4541	1.59	cps
Strontium	88-1	38490	38175	38182	38282	0.47	cps
Sulfur	34-1	159898	159693	159635	159742	0.09	cps
Terbium	159-1	7678955	7666062	7453840	7599619	1.66	cps
Terbium	159-2	2434614	2480407	3090431	2668484	13.72	cps
Thallium	203-1	13314	13400	13364	13359	0.33	cps
Thallium	205-1	32504	31986	32935	32475	1.46	cps
Tin	118-1	54735	54257	54408	54467	0.45	cps
Titanium	47-1	2570	2647	2530	2582	2.30	cps
Uranium	238-1	41561	41829	41344	41578	0.58	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166280BS	Instrumnet Name :	P8
Client Sample ID :	LCS280	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:11:41	DataFile Name :	025LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	9944	9493	9757	9731	2.32	cps
Ytterbium	172-1	47	43	43	44	4.34	cps
Ytterbium	172-2	17	10	20	16	32.73	cps
Ytterbium	176-1	973	1040	840	951	10.71	cps
Ytterbium	176-2	93	120	217	143	45.28	cps
Yttrium	89-1	10852383	10696054	10278875	10609104	2.79	cps
Yttrium	89-2	664137	678430	846759	729775	13.92	cps
Zinc	66-2	1907	2120	2007	2011	5.31	cps
Zirconium	90-1	22812	22395	23480	22896	2.39	cps
Zirconium	91-1	5061	5018	5121	5067	1.02	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166279BL	Instrumnet Name :	P8
Client Sample ID :	PBS279	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:15:03	DataFile Name :	026CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	30	27	23	27	12.51	cps
Antimony	121-1	100	87	67	84	19.87	cps
Arsenic	75-2	0	3	0	1	173.21	cps
Barium	135-1	227	160	220	202	18.16	cps
Barium	137-1	360	350	350	353	1.63	cps
Beryllium	9-1	240	234	259	244	5.33	cps
Bismuth	209-1	4856171	4773576	4843448	4824398	0.92	cps
Bismuth	209-2	1983217	1925770	1945721	1951569	1.49	cps
Bromine	81-1	4321	4281	4301	4301	0.47	cps
Cadmium	108-1	20	0	17	12	87.67	cps
Cadmium	106-1	3087	3097	3090	3091	0.16	cps
Cadmium	111-1	2164	2178	2178	2173	0.39	cps
Calcium	43-1	187	223	160	190	16.74	cps
Calcium	44-1	3034	3247	3087	3123	3.56	cps
Carbon	12-1	1220825	1220371	1224294	1221830	0.18	cps
Carbon	12-2	8019	8092	8136	8082	0.73	cps
Chlorine	35-1	427309	404958	386112	406126	5.08	cps
Chlorine	35-2	1307	1307	1197	1270	5.00	cps
Chromium	52-2	253	330	297	293	13.11	cps
Cobalt	59-2	80	120	107	102	19.92	cps
Copper	63-2	1580	1483	1667	1577	5.82	cps
Dysprosium	156-1	47	47	70	54	24.74	cps
Dysprosium	156-2	3	3	7	4	43.40	cps
Erbium	164-1	30	23	23	26	15.07	cps
Erbium	164-2	3	7	10	7	50.03	cps
Gadolinium	160-1	30	33	23	29	17.63	cps
Gadolinium	160-2	3	13	13	10	57.75	cps
Holmium	165-1	7574927	7574118	7475897	7541647	0.76	cps
Holmium	165-2	2686751	2657510	2676388	2673550	0.55	cps
Indium	115-1	5983266	5974850	6046719	6001612	0.65	cps
Indium	115-2	568974	560381	565644	565000	0.77	cps
Iron	54-2	253	213	237	234	8.57	cps
Iron	56-2	3617	3711	3567	3632	2.00	cps
Iron	57-2	83	90	100	91	9.21	cps
Krypton	83-1	90	100	87	92	7.52	cps
Lead	206-1	860	827	967	884	8.27	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166279BL	Instrumnet Name :	P8
Client Sample ID :	PBS279	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:15:03	DataFile Name :	026CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	710	683	760	718	5.42	cps
Lead	208-1	3560	3274	3424	3419	4.19	cps
Lithium	6-1	3309085	3358320	3250021	3305809	1.64	cps
Magnesium	24-2	403	427	463	431	7.02	cps
Manganese	55-2	173	107	157	146	23.84	cps
Molybdenum	94-1	193	170	167	177	8.23	cps
Molybdenum	95-1	160	150	150	153	3.77	cps
Molybdenum	96-1	187	153	223	188	18.65	cps
Molybdenum	97-1	73	80	77	77	4.35	cps
Molybdenum	98-1	197	197	177	190	6.08	cps
Neodymium	150-1	23	20	3	16	68.90	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	590	517	593	567	7.65	cps
Phosphorus	31-2	17	30	27	24	28.38	cps
Potassium	39-2	2977	2894	3020	2964	2.17	cps
Rhodium	103-1	5557232	5564531	5470285	5530682	0.95	cps
Rhodium	103-2	2131231	2037961	2086992	2085395	2.24	cps
Scandium	45-1	4086782	4178372	4119258	4128137	1.12	cps
Scandium	45-2	68415	67802	68331	68183	0.49	cps
Selenium	82-1	-3	-20	-23	-15	-69.21	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	3	3	2	86.60	cps
Silicon	28-1	198447	200775	201596	200273	0.82	cps
Silver	107-1	233	213	240	229	6.06	cps
Silver	109-1	177	160	150	162	8.31	cps
Sodium	23-2	8196	8252	8186	8211	0.44	cps
Strontium	86-1	157	147	143	149	4.66	cps
Strontium	88-1	287	263	280	277	4.34	cps
Sulfur	34-1	155346	154292	154578	154739	0.35	cps
Terbium	159-1	7678229	7760968	7748583	7729260	0.58	cps
Terbium	159-2	2683469	2555182	2607701	2615451	2.47	cps
Thallium	203-1	397	423	350	390	9.52	cps
Thallium	205-1	967	977	787	910	11.75	cps
Tin	118-1	763	763	663	730	7.91	cps
Titanium	47-1	97	67	90	84	18.65	cps
Uranium	238-1	37	33	33	34	5.60	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166279BL	Instrumnet Name :	P8
Client Sample ID :	PBS279	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:15:03	DataFile Name :	026CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	0	3	0	1	173.21	cps
Ytterbium	172-1	43	50	37	43	15.38	cps
Ytterbium	172-2	23	3	13	13	75.02	cps
Ytterbium	176-1	830	987	923	913	8.63	cps
Ytterbium	176-2	123	147	137	136	8.63	cps
Yttrium	89-1	10785460	10707830	10630858	10708049	0.72	cps
Yttrium	89-2	707881	699745	704991	704206	0.59	cps
Zinc	66-2	133	180	97	137	30.56	cps
Zirconium	90-1	337	353	387	359	7.10	cps
Zirconium	91-1	87	77	53	72	23.69	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166279BS	Instrumnet Name :	P8
Client Sample ID :	LCS279	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:18:28	DataFile Name :	027LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1123	1120	1093	1112	1.48	cps
Antimony	121-1	25016	24262	24839	24706	1.60	cps
Arsenic	75-2	303	253	257	271	10.31	cps
Barium	135-1	32165	32900	32392	32486	1.16	cps
Barium	137-1	56052	56005	55851	55970	0.19	cps
Beryllium	9-1	5014	5052	4951	5006	1.01	cps
Bismuth	209-1	4738474	4758937	4727372	4741594	0.34	cps
Bismuth	209-2	1944325	1935817	1899709	1926617	1.23	cps
Bromine	81-1	4314	4344	4327	4328	0.35	cps
Cadmium	108-1	267	247	293	269	8.71	cps
Cadmium	106-1	3510	3494	3344	3449	2.66	cps
Cadmium	111-1	5468	5557	5372	5466	1.69	cps
Calcium	43-1	23189	22928	23339	23152	0.90	cps
Calcium	44-1	368482	370124	370680	369762	0.31	cps
Carbon	12-1	1270472	1245025	1245917	1253805	1.15	cps
Carbon	12-2	8086	8266	8219	8190	1.14	cps
Chlorine	35-1	835975	889448	912031	879151	4.44	cps
Chlorine	35-2	3464	3701	3714	3626	3.88	cps
Chromium	52-2	4674	4994	5114	4928	4.62	cps
Cobalt	59-2	5131	4721	5048	4966	4.36	cps
Copper	63-2	9403	9490	9733	9542	1.79	cps
Dysprosium	156-1	40	43	67	50	29.06	cps
Dysprosium	156-2	0	7	0	2	173.21	cps
Erbium	164-1	47	30	47	41	23.41	cps
Erbium	164-2	23	7	13	14	58.06	cps
Gadolinium	160-1	20	33	33	29	26.64	cps
Gadolinium	160-2	0	3	0	1	173.21	cps
Holmium	165-1	7375397	7491379	7392533	7419770	0.84	cps
Holmium	165-2	2677811	2613917	2601098	2630942	1.56	cps
Indium	115-1	5872894	5932581	5950804	5918760	0.69	cps
Indium	115-2	557975	558242	554310	556842	0.39	cps
Iron	54-2	21409	21232	20735	21126	1.65	cps
Iron	56-2	389461	386108	383597	386389	0.76	cps
Iron	57-2	9637	9763	9670	9690	0.68	cps
Krypton	83-1	117	90	83	97	18.25	cps
Lead	206-1	11372	11398	11145	11305	1.23	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166279BS	Instrumnet Name :	P8
Client Sample ID :	LCS279	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:18:28	DataFile Name :	027LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	9834	10071	9790	9898	1.52	cps
Lead	208-1	45565	45896	45118	45526	0.86	cps
Lithium	6-1	3277680	3337756	3267289	3294242	1.15	cps
Magnesium	24-2	84694	83980	83862	84179	0.53	cps
Manganese	55-2	1340	1123	1220	1228	8.84	cps
Molybdenum	94-1	26064	27070	26509	26548	1.90	cps
Molybdenum	95-1	32468	32568	32748	32595	0.44	cps
Molybdenum	96-1	35809	35933	36017	35920	0.29	cps
Molybdenum	97-1	20251	20472	20345	20356	0.54	cps
Molybdenum	98-1	52168	51856	52070	52031	0.31	cps
Neodymium	150-1	13	7	13	11	34.61	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	1817	1987	1753	1852	6.51	cps
Phosphorus	31-2	97	83	87	89	7.81	cps
Potassium	39-2	52906	53940	52906	53251	1.12	cps
Rhodium	103-1	5460622	5452592	5431216	5448143	0.28	cps
Rhodium	103-2	2051662	2066407	2015877	2044649	1.27	cps
Scandium	45-1	4038516	4023036	4035920	4032491	0.21	cps
Scandium	45-2	68154	68790	67072	68005	1.28	cps
Selenium	82-1	955	1091	1121	1056	8.42	cps
Selenium	77-2	20	10	17	16	32.73	cps
Selenium	78-2	63	70	77	70	9.53	cps
Silicon	28-1	322127	323955	322769	322951	0.29	cps
Silver	107-1	16627	16517	16126	16423	1.60	cps
Silver	109-1	15472	15495	15943	15637	1.70	cps
Sodium	23-2	178952	177046	177080	177693	0.61	cps
Strontium	86-1	4371	4607	4384	4454	2.99	cps
Strontium	88-1	38085	38329	38075	38163	0.38	cps
Sulfur	34-1	160755	161014	159987	160585	0.33	cps
Terbium	159-1	7478482	7727368	7421709	7542520	2.16	cps
Terbium	159-2	2538101	2540601	2545583	2541429	0.15	cps
Thallium	203-1	13287	13447	13120	13285	1.23	cps
Thallium	205-1	31749	32257	31953	31986	0.80	cps
Tin	118-1	53681	53557	55044	54094	1.52	cps
Titanium	47-1	2560	2504	2490	2518	1.48	cps
Uranium	238-1	40588	41304	41096	40996	0.90	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166279BS	Instrumnet Name :	P8
Client Sample ID :	LCS279	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:18:28	DataFile Name :	027LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	9670	9780	9770	9740	0.63	cps
Ytterbium	172-1	50	53	50	51	3.76	cps
Ytterbium	172-2	7	27	17	17	59.99	cps
Ytterbium	176-1	907	900	963	923	3.77	cps
Ytterbium	176-2	160	200	180	180	11.11	cps
Yttrium	89-1	10549314	10667370	10581484	10599389	0.58	cps
Yttrium	89-2	696035	695176	697229	696147	0.15	cps
Zinc	66-2	2034	2100	1970	2035	3.20	cps
Zirconium	90-1	22488	22759	22502	22583	0.67	cps
Zirconium	91-1	5168	5008	5108	5094	1.59	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166302BL	Instrumnet Name :	P8
Client Sample ID :	PBS302	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:21:50	DataFile Name :	028CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	30	23	33	29	17.63	cps
Antimony	121-1	50	73	50	58	23.31	cps
Arsenic	75-2	0	3	0	1	173.21	cps
Barium	135-1	170	147	130	149	13.49	cps
Barium	137-1	297	260	250	269	9.14	cps
Beryllium	9-1	244	215	219	226	6.92	cps
Bismuth	209-1	4687658	4724225	4770312	4727398	0.88	cps
Bismuth	209-2	1882411	1939755	1914461	1912209	1.50	cps
Bromine	81-1	4387	4284	4307	4326	1.25	cps
Cadmium	108-1	10	3	33	16	101.28	cps
Cadmium	106-1	3197	3204	2957	3119	4.51	cps
Cadmium	111-1	2241	2250	2053	2181	5.10	cps
Calcium	43-1	243	217	183	214	14.02	cps
Calcium	44-1	3254	2884	3040	3059	6.07	cps
Carbon	12-1	1245182	1224410	1227086	1232226	0.92	cps
Carbon	12-2	8072	8049	8156	8092	0.69	cps
Chlorine	35-1	269591	257328	246959	257960	4.39	cps
Chlorine	35-2	793	880	800	824	5.85	cps
Chromium	52-2	303	260	273	279	7.96	cps
Cobalt	59-2	73	63	50	62	18.81	cps
Copper	63-2	1570	1520	1517	1536	1.95	cps
Dysprosium	156-1	67	87	83	79	13.58	cps
Dysprosium	156-2	0	0	7	2	173.21	cps
Erbium	164-1	3	27	40	23	79.55	cps
Erbium	164-2	13	3	7	8	65.47	cps
Gadolinium	160-1	23	37	47	36	32.93	cps
Gadolinium	160-2	7	3	3	4	43.40	cps
Holmium	165-1	7464657	7533823	7426547	7475009	0.73	cps
Holmium	165-2	2631502	2643638	2685790	2653644	1.07	cps
Indium	115-1	5889454	5893128	6045742	5942775	1.50	cps
Indium	115-2	543007	556922	553071	551000	1.30	cps
Iron	54-2	170	233	223	209	16.30	cps
Iron	56-2	3220	3340	3277	3279	1.83	cps
Iron	57-2	97	103	73	91	17.29	cps
Krypton	83-1	107	100	73	93	18.90	cps
Lead	206-1	753	820	830	801	5.20	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166302BL	Instrumnet Name :	P8
Client Sample ID :	PBS302	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:21:50	DataFile Name :	028CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	580	667	617	621	7.00	cps
Lead	208-1	2863	2994	3004	2953	2.64	cps
Lithium	6-1	3344788	3330338	3302887	3326005	0.64	cps
Magnesium	24-2	457	430	457	448	3.44	cps
Manganese	55-2	140	170	140	150	11.55	cps
Molybdenum	94-1	197	207	163	189	12.01	cps
Molybdenum	95-1	140	93	100	111	22.72	cps
Molybdenum	96-1	183	190	167	180	6.68	cps
Molybdenum	97-1	47	80	83	70	28.96	cps
Molybdenum	98-1	143	163	163	157	7.37	cps
Neodymium	150-1	7	13	7	9	43.25	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	503	533	540	526	3.72	cps
Phosphorus	31-2	17	30	23	23	28.56	cps
Potassium	39-2	2907	2790	2960	2886	3.01	cps
Rhodium	103-1	5402054	5473030	5474629	5449905	0.76	cps
Rhodium	103-2	2028229	2062766	2050607	2047201	0.86	cps
Scandium	45-1	4045646	4054810	4010938	4037131	0.57	cps
Scandium	45-2	64919	67829	67042	66597	2.26	cps
Selenium	82-1	-27	-17	40	-1	-3469.52	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	0	7	2	173.21	cps
Silicon	28-1	197731	198778	197070	197860	0.44	cps
Silver	107-1	253	200	170	208	20.32	cps
Silver	109-1	127	143	163	144	12.71	cps
Sodium	23-2	8086	8006	8209	8100	1.27	cps
Strontium	86-1	160	137	153	150	8.01	cps
Strontium	88-1	263	307	250	273	10.84	cps
Sulfur	34-1	161209	161570	161542	161440	0.12	cps
Terbium	159-1	7638048	7764105	7542598	7648250	1.45	cps
Terbium	159-2	2504580	2551678	2547664	2534641	1.03	cps
Thallium	203-1	307	300	363	323	10.76	cps
Thallium	205-1	823	760	743	776	5.44	cps
Tin	118-1	713	757	783	751	4.70	cps
Titanium	47-1	40	60	50	50	20.00	cps
Uranium	238-1	40	20	27	29	35.25	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166302BL	Instrumnet Name :	P8
Client Sample ID :	PBS302	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:21:50	DataFile Name :	028CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	3	3	7	4	43.40	cps
Ytterbium	172-1	40	47	27	38	26.95	cps
Ytterbium	172-2	17	27	0	14	93.26	cps
Ytterbium	176-1	903	950	1017	957	5.95	cps
Ytterbium	176-2	133	113	187	144	26.24	cps
Yttrium	89-1	10573129	10669179	10596944	10613084	0.47	cps
Yttrium	89-2	675969	693049	693253	687424	1.44	cps
Zinc	66-2	147	157	97	133	24.11	cps
Zirconium	90-1	310	393	377	360	12.25	cps
Zirconium	91-1	73	53	73	67	17.32	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166302BS	Instrumnet Name :	P8
Client Sample ID :	LCS302	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:26:54	DataFile Name :	029LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1040	983	1020	1014	2.83	cps
Antimony	121-1	24235	23904	24208	24116	0.76	cps
Arsenic	75-2	207	237	247	230	9.05	cps
Barium	135-1	31573	31797	31082	31484	1.16	cps
Barium	137-1	54379	55269	55654	55100	1.19	cps
Beryllium	9-1	5031	4964	4999	4998	0.68	cps
Bismuth	209-1	4788703	4671866	4638171	4699580	1.68	cps
Bismuth	209-2	1881363	1867954	1848082	1865799	0.90	cps
Bromine	81-1	4164	4091	4074	4110	1.17	cps
Cadmium	108-1	250	230	230	237	4.88	cps
Cadmium	106-1	3537	3430	3681	3549	3.54	cps
Cadmium	111-1	5351	5457	5616	5475	2.43	cps
Calcium	43-1	25049	25663	25713	25475	1.45	cps
Calcium	44-1	386370	389783	388759	388304	0.45	cps
Carbon	12-1	1289783	1279616	1268234	1279211	0.84	cps
Carbon	12-2	8523	8279	8476	8426	1.53	cps
Chlorine	35-1	642981	711532	751869	702127	7.84	cps
Chlorine	35-2	2914	3050	3007	2990	2.34	cps
Chromium	52-2	4864	4851	4844	4853	0.21	cps
Cobalt	59-2	4677	4377	4804	4620	4.74	cps
Copper	63-2	9040	9320	9153	9171	1.54	cps
Dysprosium	156-1	70	53	67	63	13.93	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	40	47	47	44	8.66	cps
Erbium	164-2	10	23	17	17	39.99	cps
Gadolinium	160-1	33	30	43	36	19.51	cps
Gadolinium	160-2	10	0	13	8	89.21	cps
Holmium	165-1	7334000	7355048	7486421	7391823	1.12	cps
Holmium	165-2	2565300	2578009	2522483	2555264	1.14	cps
Indium	115-1	5835715	5887421	5824315	5849150	0.57	cps
Indium	115-2	547758	549730	545501	547663	0.39	cps
Iron	54-2	20368	20408	19644	20140	2.14	cps
Iron	56-2	373042	376128	371072	373414	0.68	cps
Iron	57-2	9233	9513	9463	9403	1.59	cps
Krypton	83-1	50	117	103	90	39.20	cps
Lead	206-1	11288	11125	10998	11137	1.31	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166302BS	Instrumnet Name :	P8
Client Sample ID :	LCS302	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:26:54	DataFile Name :	029LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	9864	9564	9864	9764	1.78	cps
Lead	208-1	44764	44774	44881	44806	0.14	cps
Lithium	6-1	3280216	3247747	3280216	3269393	0.57	cps
Magnesium	24-2	82213	82458	82257	82309	0.16	cps
Manganese	55-2	1277	1157	1323	1252	6.87	cps
Molybdenum	94-1	25784	26398	26104	26096	1.18	cps
Molybdenum	95-1	31837	31586	31392	31605	0.71	cps
Molybdenum	96-1	34603	34747	35168	34839	0.84	cps
Molybdenum	97-1	19497	19584	19948	19676	1.22	cps
Molybdenum	98-1	49776	50729	51083	50529	1.34	cps
Neodymium	150-1	17	10	17	14	26.66	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	1617	1850	1627	1698	7.77	cps
Phosphorus	31-2	70	87	87	81	11.87	cps
Potassium	39-2	51719	52140	51428	51762	0.69	cps
Rhodium	103-1	5364168	5334954	5307564	5335562	0.53	cps
Rhodium	103-2	2025791	2009632	1988693	2008038	0.93	cps
Scandium	45-1	4020117	4001857	3958125	3993366	0.80	cps
Scandium	45-2	64966	65866	64420	65084	1.12	cps
Selenium	82-1	1071	978	1025	1025	4.55	cps
Selenium	77-2	10	17	20	16	32.73	cps
Selenium	78-2	57	63	30	50	35.28	cps
Silicon	28-1	317306	319825	319216	318782	0.41	cps
Silver	107-1	15746	16076	15943	15922	1.04	cps
Silver	109-1	15085	15269	15596	15316	1.69	cps
Sodium	23-2	174445	172298	171869	172871	0.80	cps
Strontium	86-1	840281	840456	840019	840252	0.03	cps
Strontium	88-1	7595462	7624348	7627385	7615732	0.23	cps
Sulfur	34-1	163389	163771	162918	163359	0.26	cps
Terbium	159-1	7530414	7469271	7551103	7516929	0.57	cps
Terbium	159-2	2499013	2487480	2475144	2487212	0.48	cps
Thallium	203-1	13417	13234	13584	13411	1.31	cps
Thallium	205-1	31806	32050	31512	31789	0.85	cps
Tin	118-1	52704	53604	52497	52935	1.11	cps
Titanium	47-1	2384	2564	2567	2505	4.19	cps
Uranium	238-1	40645	40812	41642	41033	1.30	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	PB166302BS	Instrumnet Name :	P8
Client Sample ID :	LCS302	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:26:54	DataFile Name :	029LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	9330	9737	9080	9382	3.53	cps
Ytterbium	172-1	47	47	37	43	13.32	cps
Ytterbium	172-2	3	27	10	13	90.16	cps
Ytterbium	176-1	1017	1080	1103	1067	4.20	cps
Ytterbium	176-2	130	120	120	123	4.68	cps
Yttrium	89-1	10421586	10257395	10329466	10336149	0.80	cps
Yttrium	89-2	678976	687605	681639	682740	0.65	cps
Zinc	66-2	1947	2040	1897	1961	3.71	cps
Zirconium	90-1	21897	22258	22765	22307	1.96	cps
Zirconium	91-1	4801	5091	5004	4965	3.00	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1135-02A	Instrumnet Name :	P8
Client Sample ID :	YE8F7A	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:30:15	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	906875	899825	893928	900209	0.72	cps
Antimony	121-1	3691	3704	3751	3715	0.85	cps
Arsenic	75-2	3577	3390	3494	3487	2.68	cps
Barium	135-1	599943	603361	600695	601333	0.30	cps
Barium	137-1	1048072	1048948	1050087	1049036	0.10	cps
Beryllium	9-1	3397	3386	3420	3401	0.51	cps
Bismuth	209-1	4636685	4616887	4631095	4628222	0.22	cps
Bismuth	209-2	1848515	1836742	1823018	1836092	0.70	cps
Bromine	81-1	4714	4928	5201	4948	4.93	cps
Cadmium	108-1	147	133	120	133	10.00	cps
Cadmium	106-1	3814	3837	3587	3746	3.69	cps
Cadmium	111-1	3257	3276	2987	3173	5.09	cps
Calcium	43-1	110289	111746	113140	111725	1.28	cps
Calcium	44-1	1854401	1878195	1837064	1856553	1.11	cps
Carbon	12-1	1410428	1460381	1428962	1433257	1.76	cps
Carbon	12-2	9450	9837	9453	9580	2.32	cps
Chlorine	35-1	42606358	45976264	46769449	45117357	4.90	cps
Chlorine	35-2	176069	176808	177133	176670	0.31	cps
Chromium	52-2	86083	84739	84142	84988	1.17	cps
Cobalt	59-2	127753	128305	125964	127341	0.96	cps
Copper	63-2	206343	209279	208433	208018	0.73	cps
Dysprosium	156-1	124311	124688	125482	124827	0.48	cps
Dysprosium	156-2	43484	43564	43664	43571	0.21	cps
Erbium	164-1	122541	124338	122800	123226	0.79	cps
Erbium	164-2	41367	40508	40157	40678	1.53	cps
Gadolinium	160-1	126994	128747	128703	128148	0.78	cps
Gadolinium	160-2	52740	52861	52121	52574	0.75	cps
Holmium	165-1	7597480	7571988	7612210	7593893	0.27	cps
Holmium	165-2	2629895	2647887	2704872	2660884	1.47	cps
Indium	115-1	5756421	5779789	5665903	5734038	1.05	cps
Indium	115-2	546766	546816	545683	546422	0.12	cps
Iron	54-2	5548319	5475801	5481664	5501928	0.73	cps
Iron	56-2	102392548	102093635	101171635	101885940	0.62	cps
Iron	57-2	2610572	2611313	2622079	2614655	0.25	cps
Krypton	83-1	263	267	243	258	4.90	cps
Lead	206-1	129031	127496	128513	128347	0.61	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1135-02A	Instrumnet Name :	P8
Client Sample ID :	YE8F7A	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:30:15	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	103774	103542	105697	104338	1.13	cps
Lead	208-1	491762	491802	496799	493454	0.59	cps
Lithium	6-1	3402715	3531349	3471127	3468397	1.86	cps
Magnesium	24-2	1742278	1759138	1713271	1738229	1.33	cps
Manganese	55-2	2520645	2504988	2453168	2492934	1.42	cps
Molybdenum	94-1	30042	31188	30300	30510	1.97	cps
Molybdenum	95-1	40462	40365	41131	40653	1.03	cps
Molybdenum	96-1	45718	45765	45748	45744	0.05	cps
Molybdenum	97-1	24862	24959	25196	25006	0.69	cps
Molybdenum	98-1	65279	64542	65041	64954	0.58	cps
Neodymium	150-1	161265	162473	163701	162480	0.75	cps
Neodymium	150-2	39752	39334	39264	39450	0.67	cps
Nickel	60-2	77938	77452	76561	77317	0.90	cps
Phosphorus	31-2	1660	1710	1530	1633	5.69	cps
Potassium	39-2	206875	203990	204227	205031	0.78	cps
Rhodium	103-1	5269626	5233703	5200144	5234491	0.66	cps
Rhodium	103-2	1986164	1976061	1991704	1984643	0.40	cps
Scandium	45-1	4451740	4518040	4503584	4491122	0.78	cps
Scandium	45-2	75430	74900	74130	74820	0.87	cps
Selenium	82-1	137	137	127	134	4.31	cps
Selenium	77-2	170	170	233	191	19.13	cps
Selenium	78-2	133	90	163	129	28.61	cps
Silicon	28-1	20078925	20166784	20394686	20213465	0.81	cps
Silver	107-1	1290	1070	927	1096	16.71	cps
Silver	109-1	1387	993	883	1088	24.33	cps
Sodium	23-2	21025	20835	21012	20957	0.51	cps
Strontium	86-1	84362	84751	84996	84703	0.38	cps
Strontium	88-1	725517	734249	735659	731808	0.75	cps
Sulfur	34-1	167097	169276	169691	168688	0.83	cps
Terbium	159-1	7754549	7689562	7680478	7708196	0.52	cps
Terbium	159-2	2567774	2604928	2585456	2586052	0.72	cps
Thallium	203-1	2607	2460	2460	2509	3.38	cps
Thallium	205-1	5908	5971	5925	5935	0.55	cps
Tin	118-1	8306	8980	8349	8545	4.41	cps
Titanium	47-1	945478	954514	953799	951264	0.53	cps
Uranium	238-1	38662	38528	38431	38541	0.30	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1135-02A	Instrumnet Name :	P8
Client Sample ID :	YE8F7A	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:30:15	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	148622	147763	148241	148209	0.29	cps
Ytterbium	172-1	40335	40686	40425	40482	0.45	cps
Ytterbium	172-2	16153	16147	16137	16145	0.05	cps
Ytterbium	176-1	25558	26500	25899	25986	1.84	cps
Ytterbium	176-2	10087	10201	10121	10136	0.58	cps
Yttrium	89-1	12130957	12058229	12137964	12109050	0.36	cps
Yttrium	89-2	807368	800757	799795	802640	0.51	cps
Zinc	66-2	41511	40899	40020	40810	1.84	cps
Zirconium	90-1	20715	20579	20549	20614	0.43	cps
Zirconium	91-1	4514	4607	4658	4593	1.58	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-01	Instrumnet Name :	P8
Client Sample ID :	MH2GX0	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:33:34	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	551630	546167	554268	550688	0.75	cps
Antimony	121-1	31423	31276	31593	31431	0.51	cps
Arsenic	75-2	9490	9757	9844	9697	1.90	cps
Barium	135-1	1316652	1349858	1360110	1342207	1.69	cps
Barium	137-1	2444317	2484393	2502457	2477055	1.20	cps
Beryllium	9-1	8176	8374	8551	8367	2.24	cps
Bismuth	209-1	4697703	4726805	4799570	4741360	1.11	cps
Bismuth	209-2	1879599	1881367	1881760	1880908	0.06	cps
Bromine	81-1	8696	9470	9470	9212	4.85	cps
Cadmium	108-1	3190	3167	3134	3164	0.90	cps
Cadmium	106-1	7946	7932	8152	8010	1.54	cps
Cadmium	111-1	46884	48513	48731	48043	2.10	cps
Calcium	43-1	3218446	3335556	3418822	3324275	3.03	cps
Calcium	44-1	52008083	54123621	54312008	53481237	2.39	cps
Carbon	12-1	2387336	2487093	2530868	2468433	2.98	cps
Carbon	12-2	17037	16810	17147	16998	1.01	cps
Chlorine	35-1	60192701	64299071	66386047	63625940	4.95	cps
Chlorine	35-2	252322	248938	255194	252151	1.24	cps
Chromium	52-2	56545	57057	57060	56887	0.52	cps
Cobalt	59-2	89167	90418	90529	90038	0.84	cps
Copper	63-2	1168126	1171871	1164981	1168326	0.30	cps
Dysprosium	156-1	81721	83844	83136	82900	1.30	cps
Dysprosium	156-2	26012	25374	25698	25695	1.24	cps
Erbium	164-1	66384	66635	67765	66928	1.10	cps
Erbium	164-2	22526	22900	22355	22594	1.23	cps
Gadolinium	160-1	71849	74024	74825	73566	2.09	cps
Gadolinium	160-2	29920	30117	30101	30046	0.36	cps
Holmium	165-1	7441589	7555844	7721451	7572961	1.86	cps
Holmium	165-2	2672288	2712999	2736476	2707254	1.20	cps
Indium	115-1	5859993	5884393	6052400	5932262	1.77	cps
Indium	115-2	564882	571968	571821	569557	0.71	cps
Iron	54-2	6076502	6002732	6117056	6065430	0.96	cps
Iron	56-2	113136428	111240348	113952785	112776521	1.23	cps
Iron	57-2	2899433	2866684	2914737	2893618	0.85	cps
Krypton	83-1	167	190	170	176	7.19	cps
Lead	206-1	10125328	10325006	10209488	10219940	0.98	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-01	Instrumnet Name :	P8
Client Sample ID :	MH2GX0	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:33:34	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	8364093	8662229	8711480	8579267	2.19	cps
Lead	208-1	39405050	40100114	40335172	39946779	1.21	cps
Lithium	6-1	3450667	3493371	3595661	3513233	2.12	cps
Magnesium	24-2	1290670	1283528	1283609	1285936	0.32	cps
Manganese	55-2	4105702	3997418	4121059	4074726	1.65	cps
Molybdenum	94-1	26565	28416	28469	27817	3.90	cps
Molybdenum	95-1	21700	22605	22271	22192	2.06	cps
Molybdenum	96-1	26916	28376	28082	27791	2.78	cps
Molybdenum	97-1	13013	13617	13130	13253	2.42	cps
Molybdenum	98-1	33761	35161	35238	34720	2.39	cps
Neodymium	150-1	121204	123420	125372	123332	1.69	cps
Neodymium	150-2	30321	30418	31233	30657	1.63	cps
Nickel	60-2	98434	100357	99081	99291	0.99	cps
Phosphorus	31-2	5141	5171	5058	5123	1.15	cps
Potassium	39-2	391327	394782	399914	395341	1.09	cps
Rhodium	103-1	5247467	5291471	5391801	5310246	1.39	cps
Rhodium	103-2	2073855	2019630	2046005	2046497	1.33	cps
Scandium	45-1	4213782	4268798	4375742	4286107	1.92	cps
Scandium	45-2	73393	72441	74599	73477	1.47	cps
Selenium	82-1	201	181	258	214	18.66	cps
Selenium	77-2	93	100	137	110	21.21	cps
Selenium	78-2	70	60	80	70	14.29	cps
Silicon	28-1	11851441	12093566	12451424	12132144	2.49	cps
Silver	107-1	74898	77429	77965	76764	2.13	cps
Silver	109-1	71946	73501	74379	73276	1.68	cps
Sodium	23-2	171549	171731	173390	172223	0.59	cps
Strontium	86-1	1140833	1176906	1184858	1167532	2.01	cps
Strontium	88-1	10310039	10566228	10697844	10524704	1.87	cps
Sulfur	34-1	214803	218986	222468	218753	1.75	cps
Terbium	159-1	7696743	7786136	7919156	7800678	1.43	cps
Terbium	159-2	2625293	2629545	2617884	2624241	0.22	cps
Thallium	203-1	9010	9500	9617	9376	3.44	cps
Thallium	205-1	22273	23177	23966	23139	3.66	cps
Tin	118-1	189845	194608	200360	194938	2.70	cps
Titanium	47-1	308216	321350	324142	317903	2.68	cps
Uranium	238-1	99476	99744	102452	100557	1.64	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-01	Instrumnet Name :	P8
Client Sample ID :	MH2GX0	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:33:34	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	111281	112128	112796	112068	0.68	cps
Ytterbium	172-1	20252	20650	20626	20509	1.09	cps
Ytterbium	172-2	8489	8019	8109	8206	3.04	cps
Ytterbium	176-1	13023	13647	13627	13432	2.64	cps
Ytterbium	176-2	5184	5328	5411	5308	2.16	cps
Yttrium	89-1	11644948	11713137	12091666	11816584	2.04	cps
Yttrium	89-2	795584	797168	798907	797220	0.21	cps
Zinc	66-2	1090842	1088188	1095554	1091528	0.34	cps
Zirconium	90-1	39205	40321	40760	40095	2.00	cps
Zirconium	91-1	8676	9020	9146	8947	2.72	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-02	Instrumnet Name :	P8
Client Sample ID :	MH2GX0D	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:36:44	DataFile Name :	032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	554269	557991	553927	555396	0.41	cps
Antimony	121-1	31329	31339	31907	31525	1.05	cps
Arsenic	75-2	9880	10144	9570	9865	2.91	cps
Barium	135-1	1336049	1357963	1367397	1353803	1.19	cps
Barium	137-1	2434515	2505086	2489064	2476222	1.49	cps
Beryllium	9-1	8440	8594	8598	8544	1.05	cps
Bismuth	209-1	4746956	4838229	4841786	4808991	1.12	cps
Bismuth	209-2	1919622	1891647	1912140	1907803	0.76	cps
Bromine	81-1	9003	9707	9924	9544	5.04	cps
Cadmium	108-1	3400	3254	3427	3360	2.78	cps
Cadmium	106-1	8276	8042	8279	8199	1.66	cps
Cadmium	111-1	48460	48827	49393	48893	0.96	cps
Calcium	43-1	3261971	3325918	3387463	3325117	1.89	cps
Calcium	44-1	53316249	54175933	54730109	54074097	1.32	cps
Carbon	12-1	2458408	2569754	2568754	2532305	2.53	cps
Carbon	12-2	16716	17020	17304	17013	1.73	cps
Chlorine	35-1	64766951	68583806	69301716	67550824	3.61	cps
Chlorine	35-2	258673	260122	259198	259331	0.28	cps
Chromium	52-2	57056	57937	57505	57499	0.77	cps
Cobalt	59-2	91266	91662	92679	91869	0.79	cps
Copper	63-2	1169436	1179878	1183867	1177727	0.63	cps
Dysprosium	156-1	82848	85219	84816	84294	1.51	cps
Dysprosium	156-2	25331	25438	26466	25745	2.44	cps
Erbium	164-1	67684	68341	69671	68565	1.48	cps
Erbium	164-2	22750	22803	22302	22618	1.22	cps
Gadolinium	160-1	73411	74657	74835	74301	1.04	cps
Gadolinium	160-2	29987	30331	29533	29950	1.34	cps
Holmium	165-1	7748707	7760351	7898188	7802415	1.07	cps
Holmium	165-2	2729587	2684146	2735073	2716269	1.03	cps
Indium	115-1	5964635	6163980	6215004	6114540	2.16	cps
Indium	115-2	571149	571882	584043	575691	1.26	cps
Iron	54-2	6239034	6316434	6171429	6242299	1.16	cps
Iron	56-2	115624575	115959135	114210868	115264859	0.81	cps
Iron	57-2	2940211	2942641	2928142	2936998	0.26	cps
Krypton	83-1	173	193	190	186	5.77	cps
Lead	206-1	10276709	10362502	10371807	10337006	0.51	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-02	Instrumnet Name :	P8
Client Sample ID :	MH2GX0D	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:36:44	DataFile Name :	032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	8539956	8701657	8676584	8639399	1.01	cps
Lead	208-1	40067474	40468385	40582647	40372836	0.67	cps
Lithium	6-1	3509699	3637071	3646691	3597820	2.13	cps
Magnesium	24-2	1304037	1312251	1271671	1295986	1.66	cps
Manganese	55-2	4079082	4135325	4122718	4112375	0.72	cps
Molybdenum	94-1	27083	28199	28219	27833	2.33	cps
Molybdenum	95-1	22465	22909	23380	22918	2.00	cps
Molybdenum	96-1	27962	28549	28576	28362	1.22	cps
Molybdenum	97-1	13680	13947	14074	13900	1.45	cps
Molybdenum	98-1	36134	36525	36421	36360	0.56	cps
Neodymium	150-1	123501	125944	125217	124887	1.00	cps
Neodymium	150-2	30876	30354	30999	30743	1.11	cps
Nickel	60-2	101270	102838	102214	102107	0.77	cps
Phosphorus	31-2	5204	4948	4858	5003	3.60	cps
Potassium	39-2	400282	398434	399943	399553	0.25	cps
Rhodium	103-1	5403618	5368078	5457320	5409672	0.83	cps
Rhodium	103-2	2039816	2035145	2098034	2057665	1.70	cps
Scandium	45-1	4372360	4475010	4446309	4431226	1.20	cps
Scandium	45-2	75081	73724	74713	74506	0.94	cps
Selenium	82-1	215	152	205	191	17.93	cps
Selenium	77-2	110	113	70	98	24.66	cps
Selenium	78-2	57	50	73	60	20.03	cps
Silicon	28-1	11878372	12036611	12120354	12011779	1.02	cps
Silver	107-1	77335	79366	78759	78487	1.33	cps
Silver	109-1	73827	74523	74741	74364	0.64	cps
Sodium	23-2	172607	174706	171140	172818	1.04	cps
Strontium	86-1	1165526	1194718	1201789	1187344	1.62	cps
Strontium	88-1	10539712	10799521	11009802	10783012	2.18	cps
Sulfur	34-1	220188	224194	224340	222907	1.06	cps
Terbium	159-1	7908783	7943163	8155730	8002559	1.67	cps
Terbium	159-2	2616096	2624691	2665878	2635555	1.01	cps
Thallium	203-1	9380	9724	9704	9603	2.01	cps
Thallium	205-1	22867	23525	23288	23226	1.43	cps
Tin	118-1	188862	189799	190099	189587	0.34	cps
Titanium	47-1	318000	327205	327356	324187	1.65	cps
Uranium	238-1	102449	104663	104963	104025	1.32	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-02	Instrumnet Name :	P8
Client Sample ID :	MH2GX0D	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:36:44	DataFile Name :	032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	114147	114409	114288	114281	0.11	cps
Ytterbium	172-1	20312	20706	20716	20578	1.12	cps
Ytterbium	172-2	8176	8443	8223	8280	1.72	cps
Ytterbium	176-1	13333	13694	13520	13516	1.33	cps
Ytterbium	176-2	5545	5341	5231	5372	2.96	cps
Yttrium	89-1	12036864	12125497	12354143	12172168	1.34	cps
Yttrium	89-2	796678	799891	811716	802761	0.99	cps
Zinc	66-2	1091204	1093533	1102862	1095866	0.56	cps
Zirconium	90-1	41184	41074	43488	41915	3.25	cps
Zirconium	91-1	8693	9130	9206	9010	3.08	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-01LX5	Instrumnet Name :	P8
Client Sample ID :	MH2GX0L	Dilution Factor :	5
Date & Time Acquired :	2025-01-31 16:39:55	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	107306	105723	105311	106113	0.99	cps
Antimony	121-1	6282	6208	6358	6283	1.19	cps
Arsenic	75-2	1940	1870	1913	1908	1.85	cps
Barium	135-1	262565	263348	268281	264732	1.17	cps
Barium	137-1	461558	467971	464416	464648	0.69	cps
Beryllium	9-1	1772	1776	1904	1817	4.11	cps
Bismuth	209-1	4637780	4762924	4769549	4723418	1.57	cps
Bismuth	209-2	1855885	1918515	1881584	1885328	1.67	cps
Bromine	81-1	5318	5258	5645	5407	3.85	cps
Cadmium	108-1	637	707	697	680	5.57	cps
Cadmium	106-1	4157	4351	4194	4234	2.43	cps
Cadmium	111-1	11678	11737	12102	11839	1.94	cps
Calcium	43-1	631426	637923	633597	634315	0.52	cps
Calcium	44-1	10419639	10462417	10537732	10473263	0.57	cps
Carbon	12-1	1705422	1755780	1743911	1735037	1.52	cps
Carbon	12-2	11855	11765	11988	11869	0.95	cps
Chlorine	35-1	14281519	14741381	14678461	14567120	1.71	cps
Chlorine	35-2	53605	53301	52813	53240	0.75	cps
Chromium	52-2	11448	11228	11355	11343	0.97	cps
Cobalt	59-2	17614	17678	18415	17902	2.49	cps
Copper	63-2	233373	235883	233187	234148	0.64	cps
Dysprosium	156-1	16250	16230	16587	16356	1.23	cps
Dysprosium	156-2	4948	4898	5334	5060	4.72	cps
Erbium	164-1	13110	13514	13507	13377	1.73	cps
Erbium	164-2	4601	4531	4457	4530	1.58	cps
Gadolinium	160-1	14138	14441	14271	14283	1.07	cps
Gadolinium	160-2	6068	5958	5848	5958	1.85	cps
Holmium	165-1	7404599	7596617	7634543	7545253	1.63	cps
Holmium	165-2	2636878	2690390	2627014	2651427	1.29	cps
Indium	115-1	5852274	5974360	5970343	5932326	1.17	cps
Indium	115-2	557923	561592	565978	561831	0.72	cps
Iron	54-2	1156859	1149063	1142056	1149326	0.64	cps
Iron	56-2	22347840	22132978	22281626	22254148	0.49	cps
Iron	57-2	533806	534990	535559	534785	0.17	cps
Krypton	83-1	110	77	80	89	20.65	cps
Lead	206-1	2050649	2119297	2102342	2090762	1.71	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-01LX5	Instrumnet Name :	P8
Client Sample ID :	MH2GX0L	Dilution Factor :	5
Date & Time Acquired :	2025-01-31 16:39:55	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1749100	1740943	1755680	1748574	0.42	cps
Lead	208-1	8073826	8283108	8242173	8199703	1.35	cps
Lithium	6-1	3317046	3395881	3352154	3355027	1.18	cps
Magnesium	24-2	238055	239583	237550	238396	0.44	cps
Manganese	55-2	753885	759319	757263	756822	0.36	cps
Molybdenum	94-1	5201	5565	5428	5398	3.40	cps
Molybdenum	95-1	4367	4351	4637	4452	3.62	cps
Molybdenum	96-1	5201	5401	5494	5366	2.79	cps
Molybdenum	97-1	2610	2674	2720	2668	2.07	cps
Molybdenum	98-1	7045	6988	6628	6887	3.28	cps
Neodymium	150-1	24175	24553	24155	24294	0.92	cps
Neodymium	150-2	6088	5981	6108	6059	1.12	cps
Nickel	60-2	20632	20819	20658	20703	0.49	cps
Phosphorus	31-2	1040	1120	1040	1067	4.33	cps
Potassium	39-2	77191	77939	78043	77724	0.60	cps
Rhodium	103-1	5271033	5495206	5506276	5424172	2.45	cps
Rhodium	103-2	2022153	2059184	2026207	2035848	1.00	cps
Scandium	45-1	4132507	4189109	4148576	4156730	0.70	cps
Scandium	45-2	67685	69075	69802	68854	1.56	cps
Selenium	82-1	18	58	38	38	52.33	cps
Selenium	77-2	27	10	3	13	90.16	cps
Selenium	78-2	13	30	23	22	37.76	cps
Silicon	28-1	2562165	2530630	2567174	2553323	0.78	cps
Silver	107-1	15539	16206	16003	15916	2.15	cps
Silver	109-1	14905	14945	15072	14974	0.58	cps
Sodium	23-2	39436	40072	39751	39753	0.80	cps
Strontium	86-1	231018	232258	234131	232469	0.67	cps
Strontium	88-1	2110807	2125174	2127357	2121112	0.42	cps
Sulfur	34-1	172092	172298	172197	172196	0.06	cps
Terbium	159-1	7601203	7748855	7729743	7693267	1.04	cps
Terbium	159-2	2550106	2592318	2604271	2582232	1.10	cps
Thallium	203-1	2147	2024	2077	2082	2.97	cps
Thallium	205-1	4911	5071	4964	4982	1.64	cps
Tin	118-1	41102	40627	41118	40949	0.68	cps
Titanium	47-1	61889	62211	62693	62264	0.65	cps
Uranium	238-1	20046	19749	20330	20041	1.45	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-01LX5	Instrumnet Name :	P8
Client Sample ID :	MH2GX0L	Dilution Factor :	5
Date & Time Acquired :	2025-01-31 16:39:55	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	21947	22004	21693	21881	0.76	cps
Ytterbium	172-1	3977	4111	4164	4084	2.36	cps
Ytterbium	172-2	1640	1550	1583	1591	2.86	cps
Ytterbium	176-1	3317	3367	3357	3347	0.79	cps
Ytterbium	176-2	1160	1130	1113	1135	2.09	cps
Yttrium	89-1	10841906	11053562	11057872	10984447	1.12	cps
Yttrium	89-2	713561	722105	728343	721336	1.03	cps
Zinc	66-2	216896	217665	217129	217230	0.18	cps
Zirconium	90-1	8012	8333	7902	8083	2.77	cps
Zirconium	91-1	1810	1780	1700	1763	3.23	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-03	Instrumnet Name :	P8
Client Sample ID :	MH2GX0S	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:43:11	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	575371	572786	574019	574059	0.23	cps
Antimony	121-1	157492	159519	160111	159041	0.86	cps
Arsenic	75-2	11014	11248	10818	11027	1.95	cps
Barium	135-1	2184479	2193811	2202525	2193605	0.41	cps
Barium	137-1	3804638	3755364	3800837	3786946	0.72	cps
Beryllium	9-1	34185	34592	35122	34633	1.36	cps
Bismuth	209-1	4797459	4837877	4912264	4849200	1.20	cps
Bismuth	209-2	1918267	1909884	1884473	1904208	0.92	cps
Bromine	81-1	9420	9703	9984	9702	2.91	cps
Cadmium	108-1	4381	4364	4287	4344	1.15	cps
Cadmium	106-1	9700	9647	9667	9671	0.28	cps
Cadmium	111-1	66482	67595	67104	67061	0.83	cps
Calcium	43-1	3441395	3473228	3464833	3459819	0.48	cps
Calcium	44-1	55279974	56001694	56374629	55885433	1.00	cps
Carbon	12-1	2470261	2548337	2598488	2539029	2.55	cps
Carbon	12-2	17157	17674	17230	17354	1.61	cps
Chlorine	35-1	64581449	67418521	69690204	67230058	3.81	cps
Chlorine	35-2	260443	260553	261364	260787	0.19	cps
Chromium	52-2	112551	110865	109723	111046	1.28	cps
Cobalt	59-2	343686	343991	342679	343452	0.20	cps
Copper	63-2	1300688	1299461	1299949	1300033	0.05	cps
Dysprosium	156-1	85544	86457	88430	86810	1.70	cps
Dysprosium	156-2	26890	26814	26182	26629	1.46	cps
Erbium	164-1	68100	70140	69972	69404	1.63	cps
Erbium	164-2	23020	22896	23244	23053	0.76	cps
Gadolinium	160-1	75230	75542	75928	75567	0.46	cps
Gadolinium	160-2	30171	30461	30729	30454	0.92	cps
Holmium	165-1	7635424	7774731	7849353	7753169	1.40	cps
Holmium	165-2	2723842	2719095	2738638	2727191	0.37	cps
Indium	115-1	6074008	6083050	6115050	6090703	0.35	cps
Indium	115-2	575269	574106	575971	575115	0.16	cps
Iron	54-2	6323470	6272710	6271743	6289308	0.47	cps
Iron	56-2	116928608	117129838	117390885	117149777	0.20	cps
Iron	57-2	2985495	2935737	3013754	2978329	1.33	cps
Krypton	83-1	177	183	230	197	14.78	cps
Lead	206-1	10368955	10603179	10592103	10521412	1.26	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-03	Instrumnet Name :	P8
Client Sample ID :	MH2GX0S	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:43:11	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	8770983	9045057	8964293	8926778	1.58	cps
Lead	208-1	40896848	41737758	41954692	41529766	1.35	cps
Lithium	6-1	3585394	3623894	3606282	3605190	0.53	cps
Magnesium	24-2	1339456	1325891	1312375	1325907	1.02	cps
Manganese	55-2	4273580	4241825	4238112	4251172	0.46	cps
Molybdenum	94-1	28706	28566	28883	28719	0.55	cps
Molybdenum	95-1	22699	23410	23410	23173	1.77	cps
Molybdenum	96-1	28603	28379	29304	28762	1.68	cps
Molybdenum	97-1	14061	14167	14468	14232	1.48	cps
Molybdenum	98-1	35632	36114	36712	36153	1.50	cps
Neodymium	150-1	128020	128457	128437	128305	0.19	cps
Neodymium	150-2	30769	31039	31042	30950	0.51	cps
Nickel	60-2	171247	169118	168980	169782	0.75	cps
Phosphorus	31-2	5184	5518	5188	5297	3.62	cps
Potassium	39-2	405218	406655	403006	404960	0.45	cps
Rhodium	103-1	5409353	5426906	5373379	5403213	0.51	cps
Rhodium	103-2	2053882	2067450	2049747	2057026	0.45	cps
Scandium	45-1	4426365	4409552	4432092	4422670	0.26	cps
Scandium	45-2	74153	74126	74016	74098	0.10	cps
Selenium	82-1	545	582	615	581	6.04	cps
Selenium	77-2	127	93	127	116	16.66	cps
Selenium	78-2	77	83	70	77	8.69	cps
Silicon	28-1	13176246	13069627	13158796	13134890	0.44	cps
Silver	107-1	160171	162322	162608	161701	0.82	cps
Silver	109-1	153109	154266	156571	154649	1.14	cps
Sodium	23-2	174455	176298	174860	175204	0.55	cps
Strontium	86-1	1207407	1225959	1245268	1226211	1.54	cps
Strontium	88-1	10881407	11157772	11173808	11070996	1.48	cps
Sulfur	34-1	227231	228447	231250	228976	0.90	cps
Terbium	159-1	8035439	7963743	7938485	7979222	0.63	cps
Terbium	159-2	2626917	2694638	2607847	2643134	1.73	cps
Thallium	203-1	75032	75920	76765	75906	1.14	cps
Thallium	205-1	176436	180440	179548	178808	1.18	cps
Tin	118-1	199240	202544	204273	202019	1.27	cps
Titanium	47-1	329475	333295	338994	333921	1.43	cps
Uranium	238-1	104109	104473	105927	104836	0.92	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-03	Instrumnet Name :	P8
Client Sample ID :	MH2GX0S	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:43:11	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	219754	220565	217374	219231	0.76	cps
Ytterbium	172-1	20910	21080	21521	21170	1.49	cps
Ytterbium	172-2	8419	8236	8266	8307	1.18	cps
Ytterbium	176-1	13751	13764	13844	13786	0.37	cps
Ytterbium	176-2	5331	5525	5471	5442	1.84	cps
Yttrium	89-1	12256464	12299029	12371445	12308980	0.47	cps
Yttrium	89-2	808697	804217	806675	806530	0.28	cps
Zinc	66-2	1149861	1144624	1147299	1147261	0.23	cps
Zirconium	90-1	41652	42154	42217	42008	0.74	cps
Zirconium	91-1	9337	9630	9377	9448	1.69	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-01	Instrumnet Name :	P8
Client Sample ID :	MH2GW9	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:46:21	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	338964	336744	332630	336113	0.96	cps
Antimony	121-1	17391	17324	17228	17314	0.47	cps
Arsenic	75-2	5625	5705	5871	5733	2.20	cps
Barium	135-1	860162	869502	876152	868605	0.92	cps
Barium	137-1	1559651	1575179	1573171	1569334	0.54	cps
Beryllium	9-1	8717	8795	9123	8878	2.43	cps
Bismuth	209-1	4949008	4863090	4930089	4914062	0.92	cps
Bismuth	209-2	1913544	1920495	1969638	1934559	1.58	cps
Bromine	81-1	8222	8266	8396	8295	1.09	cps
Cadmium	108-1	2360	2290	2310	2320	1.55	cps
Cadmium	106-1	6835	6715	7119	6890	3.01	cps
Cadmium	111-1	34264	34583	35296	34715	1.52	cps
Calcium	43-1	3891371	3964830	3995155	3950452	1.35	cps
Calcium	44-1	62962054	63324382	63658994	63315144	0.55	cps
Carbon	12-1	1961224	2065615	2071463	2032767	3.05	cps
Carbon	12-2	14067	13720	13813	13867	1.29	cps
Chlorine	35-1	59454362	63506986	65022177	62661175	4.59	cps
Chlorine	35-2	239784	243777	243007	242190	0.87	cps
Chromium	52-2	74194	75457	75052	74901	0.86	cps
Cobalt	59-2	43382	43276	44345	43668	1.35	cps
Copper	63-2	676940	677933	679159	678011	0.16	cps
Dysprosium	156-1	59210	60225	60888	60108	1.41	cps
Dysprosium	156-2	19174	18770	18960	18968	1.07	cps
Erbium	164-1	50515	51171	51636	51108	1.10	cps
Erbium	164-2	16784	17144	17195	17041	1.31	cps
Gadolinium	160-1	54504	55689	55378	55190	1.11	cps
Gadolinium	160-2	22325	22105	22349	22260	0.60	cps
Holmium	165-1	7955656	7786981	7921127	7887921	1.13	cps
Holmium	165-2	2739635	2740319	2725615	2735190	0.30	cps
Indium	115-1	6237300	6096244	6195422	6176322	1.17	cps
Indium	115-2	574917	573719	588596	579077	1.43	cps
Iron	54-2	1784785	1809371	1781689	1791949	0.85	cps
Iron	56-2	32660311	32710592	32614838	32661914	0.15	cps
Iron	57-2	786178	790902	792808	789963	0.43	cps
Krypton	83-1	160	167	140	156	8.92	cps
Lead	206-1	8639386	8629471	8654062	8640973	0.14	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-01	Instrumnet Name :	P8
Client Sample ID :	MH2GW9	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:46:21	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	7265075	7248444	7343621	7285713	0.70	cps
Lead	208-1	33738097	33733880	34204627	33892201	0.80	cps
Lithium	6-1	3605802	3585133	3661089	3617341	1.09	cps
Magnesium	24-2	943055	940810	931443	938436	0.66	cps
Manganese	55-2	3662674	3603002	3627822	3631166	0.83	cps
Molybdenum	94-1	23800	24068	24455	24108	1.37	cps
Molybdenum	95-1	9013	9557	9443	9338	3.07	cps
Molybdenum	96-1	13200	13387	13603	13397	1.51	cps
Molybdenum	97-1	5474	5838	5591	5635	3.29	cps
Molybdenum	98-1	14618	14584	15212	14805	2.38	cps
Neodymium	150-1	86634	86603	87882	87039	0.84	cps
Neodymium	150-2	21657	21170	21644	21491	1.29	cps
Nickel	60-2	44305	44760	44887	44651	0.69	cps
Phosphorus	31-2	3811	3804	3781	3798	0.41	cps
Potassium	39-2	257709	260284	258035	258676	0.54	cps
Rhodium	103-1	5548438	5512550	5621621	5560870	1.00	cps
Rhodium	103-2	2068836	2091235	2109216	2089762	0.97	cps
Scandium	45-1	4411840	4415025	4448147	4425004	0.45	cps
Scandium	45-2	73496	73540	74167	73734	0.51	cps
Selenium	82-1	163	130	150	148	11.26	cps
Selenium	77-2	77	120	103	100	21.86	cps
Selenium	78-2	70	40	77	62	31.39	cps
Silicon	28-1	40927561	42032888	42046762	41669070	1.54	cps
Silver	107-1	62668	63763	64138	63523	1.20	cps
Silver	109-1	59976	60274	60760	60337	0.66	cps
Sodium	23-2	98526	97419	97308	97751	0.69	cps
Strontium	86-1	1274179	1290080	1284298	1282852	0.63	cps
Strontium	88-1	11453760	11526418	11568020	11516066	0.50	cps
Sulfur	34-1	216998	219301	220716	219005	0.86	cps
Terbium	159-1	8146627	7990126	8038413	8058388	0.99	cps
Terbium	159-2	2661498	2649582	2687630	2666237	0.73	cps
Thallium	203-1	4244	4264	4371	4293	1.59	cps
Thallium	205-1	10431	10321	10518	10423	0.95	cps
Tin	118-1	86595	86903	88671	87390	1.28	cps
Titanium	47-1	238330	242150	241737	240739	0.87	cps
Uranium	238-1	80752	83462	82496	82236	1.67	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-01	Instrumnet Name :	P8
Client Sample ID :	MH2GW9	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:46:21	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	62760	63446	63326	63177	0.58	cps
Ytterbium	172-1	15589	15502	15903	15665	1.35	cps
Ytterbium	172-2	6458	6171	5908	6179	4.45	cps
Ytterbium	176-1	10671	10744	10938	10784	1.28	cps
Ytterbium	176-2	4144	4167	4224	4178	0.98	cps
Yttrium	89-1	12131861	12152305	12167996	12150721	0.15	cps
Yttrium	89-2	791114	789228	813914	798085	1.72	cps
Zinc	66-2	782953	786442	786875	785424	0.27	cps
Zirconium	90-1	50675	51782	51705	51387	1.20	cps
Zirconium	91-1	11278	11071	11365	11238	1.34	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-02	Instrumnet Name :	P8
Client Sample ID :	MH2GW9D	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:49:33	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	367686	371103	371038	369942	0.53	cps
Antimony	121-1	18656	18339	18896	18631	1.50	cps
Arsenic	75-2	6185	6031	6548	6255	4.24	cps
Barium	135-1	945918	960060	969420	958466	1.23	cps
Barium	137-1	1770063	1797325	1788584	1785324	0.78	cps
Beryllium	9-1	9448	9647	9684	9593	1.32	cps
Bismuth	209-1	4851168	5271299	4887970	5003479	4.65	cps
Bismuth	209-2	1896129	1919243	1883562	1899645	0.95	cps
Bromine	81-1	8139	8666	8689	8498	3.66	cps
Cadmium	108-1	2617	2590	2597	2601	0.53	cps
Cadmium	106-1	6965	6848	7225	7013	2.75	cps
Cadmium	111-1	37601	37390	37954	37648	0.76	cps
Calcium	43-1	4187262	4314123	4326736	4276040	1.80	cps
Calcium	44-1	68071642	68712507	69055839	68613330	0.73	cps
Carbon	12-1	2025962	2082142	2104476	2070860	1.95	cps
Carbon	12-2	14013	14107	14487	14203	1.77	cps
Chlorine	35-1	64162592	67336757	69628449	67042600	4.09	cps
Chlorine	35-2	258449	260043	261201	259898	0.53	cps
Chromium	52-2	79687	80867	81004	80519	0.90	cps
Cobalt	59-2	47813	47696	46623	47377	1.39	cps
Copper	63-2	741881	739364	739142	740129	0.21	cps
Dysprosium	156-1	65020	65556	65399	65325	0.42	cps
Dysprosium	156-2	20412	21310	20396	20706	2.53	cps
Erbium	164-1	54889	55251	56496	55545	1.52	cps
Erbium	164-2	18032	18743	18349	18375	1.94	cps
Gadolinium	160-1	59408	59860	61233	60167	1.58	cps
Gadolinium	160-2	23865	24242	23798	23968	1.00	cps
Holmium	165-1	7992057	8517878	8031838	8180591	3.58	cps
Holmium	165-2	2722604	2722401	2758772	2734592	0.77	cps
Indium	115-1	6155295	6624439	6401088	6393607	3.67	cps
Indium	115-2	579297	577946	573872	577039	0.49	cps
Iron	54-2	2001341	1981751	2024286	2002459	1.06	cps
Iron	56-2	36306083	36286122	36214475	36268893	0.13	cps
Iron	57-2	872237	877741	876072	875350	0.32	cps
Krypton	83-1	147	227	190	188	21.33	cps
Lead	206-1	9229765	9199863	9335624	9255084	0.77	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-02	Instrumnet Name :	P8
Client Sample ID :	MH2GW9D	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:49:33	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	7622285	7698399	7813884	7711523	1.25	cps
Lead	208-1	35691598	35740731	36348465	35926931	1.02	cps
Lithium	6-1	3618739	3892993	3699588	3737107	3.77	cps
Magnesium	24-2	1024672	1028280	1031317	1028090	0.32	cps
Manganese	55-2	3979123	4013659	3976153	3989645	0.52	cps
Molybdenum	94-1	26091	26469	26379	26313	0.75	cps
Molybdenum	95-1	10074	9970	10080	10041	0.61	cps
Molybdenum	96-1	14351	14511	14841	14568	1.72	cps
Molybdenum	97-1	5928	5991	6068	5996	1.17	cps
Molybdenum	98-1	15228	15319	16056	15534	2.92	cps
Neodymium	150-1	92808	93714	94929	93817	1.13	cps
Neodymium	150-2	22953	23020	23274	23082	0.73	cps
Nickel	60-2	48891	49078	48552	48840	0.55	cps
Phosphorus	31-2	4117	4141	4104	4121	0.45	cps
Potassium	39-2	281819	286969	285620	284803	0.94	cps
Rhodium	103-1	5580520	5950763	5725061	5752115	3.24	cps
Rhodium	103-2	2074310	2090167	2055400	2073292	0.84	cps
Scandium	45-1	4494588	4870199	4521998	4628928	4.52	cps
Scandium	45-2	74418	74193	74733	74448	0.36	cps
Selenium	82-1	211	98	135	148	38.90	cps
Selenium	77-2	80	77	93	83	10.58	cps
Selenium	78-2	57	80	40	59	34.12	cps
Silicon	28-1	46372901	47372628	48321991	47355840	2.06	cps
Silver	107-1	68469	68757	70666	69297	1.72	cps
Silver	109-1	65635	65548	66154	65779	0.50	cps
Sodium	23-2	105018	106535	107562	106372	1.20	cps
Strontium	86-1	1437703	1467275	1495478	1466819	1.97	cps
Strontium	88-1	12364789	12536821	12708404	12536671	1.37	cps
Sulfur	34-1	217315	219710	225173	220733	1.82	cps
Terbium	159-1	8055947	8525287	8033861	8205032	3.38	cps
Terbium	159-2	2640877	2683378	2635001	2653086	0.99	cps
Thallium	203-1	4391	4554	4738	4561	3.80	cps
Thallium	205-1	10788	11061	11105	10985	1.56	cps
Tin	118-1	88030	90647	91355	90011	1.95	cps
Titanium	47-1	256155	262922	265270	261449	1.81	cps
Uranium	238-1	88385	88676	87347	88136	0.79	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-02	Instrumnet Name :	P8
Client Sample ID :	MH2GW9D	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:49:33	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	70141	70107	68573	69607	1.29	cps
Ytterbium	172-1	16414	17255	17348	17005	3.03	cps
Ytterbium	172-2	6565	6635	7172	6791	4.89	cps
Ytterbium	176-1	11568	11732	11262	11521	2.07	cps
Ytterbium	176-2	4371	4581	4277	4410	3.52	cps
Yttrium	89-1	12145036	13018619	12403090	12522248	3.58	cps
Yttrium	89-2	803262	805372	800113	802916	0.33	cps
Zinc	66-2	854852	856670	855584	855702	0.11	cps
Zirconium	90-1	55975	57810	58268	57351	2.12	cps
Zirconium	91-1	12569	12693	12773	12678	0.81	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-01LX5	Instrumnet Name :	P8
Client Sample ID :	MH2GW9L	Dilution Factor :	5
Date & Time Acquired :	2025-01-31 16:52:47	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	60927	60522	61750	61066	1.02	cps
Antimony	121-1	3230	3290	3090	3204	3.20	cps
Arsenic	75-2	1000	1037	1067	1034	3.23	cps
Barium	135-1	156161	157904	161496	158521	1.72	cps
Barium	137-1	275438	277341	280060	277613	0.84	cps
Beryllium	9-1	1671	1844	1762	1759	4.91	cps
Bismuth	209-1	4582156	4757236	4735718	4691703	2.04	cps
Bismuth	209-2	1910917	1910376	1873324	1898206	1.14	cps
Bromine	81-1	5284	5224	5101	5203	1.80	cps
Cadmium	108-1	347	453	437	412	13.92	cps
Cadmium	106-1	3894	3921	3884	3899	0.49	cps
Cadmium	111-1	8231	8252	8271	8251	0.24	cps
Calcium	43-1	676960	689699	689832	685497	1.08	cps
Calcium	44-1	11273866	11359844	11524565	11386092	1.12	cps
Carbon	12-1	1630030	1659359	1647143	1645511	0.90	cps
Carbon	12-2	11051	11174	11298	11174	1.10	cps
Chlorine	35-1	13682101	13992327	13926034	13866821	1.18	cps
Chlorine	35-2	51515	50826	50223	50855	1.27	cps
Chromium	52-2	13506	14047	13947	13833	2.08	cps
Cobalt	59-2	7672	8132	7812	7872	3.00	cps
Copper	63-2	127967	127920	126433	127440	0.68	cps
Dysprosium	156-1	11188	10828	11412	11143	2.64	cps
Dysprosium	156-2	3357	3377	3434	3389	1.17	cps
Erbium	164-1	9066	8970	9607	9214	3.73	cps
Erbium	164-2	3060	3130	3117	3103	1.20	cps
Gadolinium	160-1	9967	10384	10231	10194	2.07	cps
Gadolinium	160-2	4227	4347	4087	4221	3.08	cps
Holmium	165-1	7398263	7550702	7590483	7513149	1.35	cps
Holmium	165-2	2668298	2636582	2634125	2646335	0.72	cps
Indium	115-1	5814602	5963642	6039976	5939407	1.93	cps
Indium	115-2	559146	561690	564227	561688	0.45	cps
Iron	54-2	312836	313163	310391	312130	0.49	cps
Iron	56-2	6010594	5977216	6055284	6014365	0.65	cps
Iron	57-2	144847	145756	143947	144850	0.62	cps
Krypton	83-1	67	103	107	92	24.06	cps
Lead	206-1	1485110	1516010	1511919	1504346	1.12	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-01LX5	Instrumnet Name :	P8
Client Sample ID :	MH2GW9L	Dilution Factor :	5
Date & Time Acquired :	2025-01-31 16:52:47	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1258880	1283455	1286956	1276430	1.20	cps
Lead	208-1	6075476	6221989	6158100	6151855	1.19	cps
Lithium	6-1	3280716	3286632	3402997	3323448	2.07	cps
Magnesium	24-2	168666	170652	169387	169569	0.59	cps
Manganese	55-2	630365	626273	626979	627872	0.35	cps
Molybdenum	94-1	4237	4464	4471	4391	3.03	cps
Molybdenum	95-1	1843	1867	1800	1837	1.84	cps
Molybdenum	96-1	2570	2620	2484	2558	2.70	cps
Molybdenum	97-1	1120	1053	1060	1078	3.41	cps
Molybdenum	98-1	2890	2754	2820	2821	2.42	cps
Neodymium	150-1	15653	15786	15996	15812	1.10	cps
Neodymium	150-2	4061	3807	3954	3941	3.23	cps
Nickel	60-2	8829	9000	8703	8844	1.68	cps
Phosphorus	31-2	750	687	667	701	6.21	cps
Potassium	39-2	49214	49300	48849	49121	0.49	cps
Rhodium	103-1	5280331	5380886	5492199	5384472	1.97	cps
Rhodium	103-2	2073459	2056656	2076745	2068954	0.52	cps
Scandium	45-1	4002293	4098009	4199171	4099824	2.40	cps
Scandium	45-2	69919	68776	69088	69261	0.85	cps
Selenium	82-1	95	22	32	50	80.28	cps
Selenium	77-2	10	10	3	8	49.52	cps
Selenium	78-2	10	10	23	14	53.28	cps
Silicon	28-1	7488173	7890838	7564129	7647713	2.80	cps
Silver	107-1	12095	11932	11919	11982	0.82	cps
Silver	109-1	11638	11408	11435	11494	1.10	cps
Sodium	23-2	24621	24367	24988	24659	1.27	cps
Strontium	86-1	229083	235071	233603	232585	1.34	cps
Strontium	88-1	2134688	2124531	2151621	2136947	0.64	cps
Sulfur	34-1	164526	167698	168683	166969	1.30	cps
Terbium	159-1	7618410	7736743	7662871	7672675	0.78	cps
Terbium	159-2	2604928	2578485	2562500	2581971	0.83	cps
Thallium	203-1	1040	1017	1037	1031	1.22	cps
Thallium	205-1	2610	2380	2344	2445	5.91	cps
Tin	118-1	17521	17191	17718	17477	1.52	cps
Titanium	47-1	42697	44024	43028	43249	1.60	cps
Uranium	238-1	14875	14805	15009	14897	0.69	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-01LX5	Instrumnet Name :	P8
Client Sample ID :	MH2GW9L	Dilution Factor :	5
Date & Time Acquired :	2025-01-31 16:52:47	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	11201	11018	10951	11057	1.17	cps
Ytterbium	172-1	2907	2740	2960	2869	4.00	cps
Ytterbium	172-2	1230	1143	1187	1187	3.65	cps
Ytterbium	176-1	2614	2537	2757	2636	4.24	cps
Ytterbium	176-2	923	837	853	871	5.28	cps
Yttrium	89-1	10720592	10945999	10949617	10872069	1.21	cps
Yttrium	89-2	714075	716767	721701	717514	0.54	cps
Zinc	66-2	144531	144598	143939	144356	0.25	cps
Zirconium	90-1	8900	8729	8833	8821	0.97	cps
Zirconium	91-1	1787	2057	1837	1893	7.59	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-03	Instrumnet Name :	P8
Client Sample ID :	MH2GW9S	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:56:04	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	341573	343399	345674	343549	0.60	cps
Antimony	121-1	136668	140469	142796	139978	2.21	cps
Arsenic	75-2	6762	6672	6478	6637	2.18	cps
Barium	135-1	1492396	1641764	1662353	1598838	5.80	cps
Barium	137-1	2751667	2770194	2864940	2795600	2.17	cps
Beryllium	9-1	32489	33147	34175	33270	2.55	cps
Bismuth	209-1	4970019	5401466	3889768	4753751	16.38	cps
Bismuth	209-2	2074057	1933848	1940544	1982816	3.99	cps
Bromine	81-1	7572	8006	8349	7976	4.88	cps
Cadmium	108-1	3307	3387	3404	3366	1.54	cps
Cadmium	106-1	8136	8456	7776	8122	4.19	cps
Cadmium	111-1	48822	50715	51227	50255	2.52	cps
Calcium	43-1	3812924	3882082	3940819	3878608	1.65	cps
Calcium	44-1	60843837	61789409	63868777	62167341	2.49	cps
Carbon	12-1	1905845	1955434	2028126	1963135	3.13	cps
Carbon	12-2	13096	13526	13560	13394	1.93	cps
Chlorine	35-1	62313737	65933199	68292611	65513182	4.60	cps
Chlorine	35-2	254083	255361	257222	255555	0.62	cps
Chromium	52-2	127172	126722	125972	126622	0.48	cps
Cobalt	59-2	290071	291498	288838	290136	0.46	cps
Copper	63-2	765890	764518	766301	765570	0.12	cps
Dysprosium	156-1	58068	59699	61035	59601	2.49	cps
Dysprosium	156-2	18653	18920	18576	18716	0.96	cps
Erbium	164-1	50295	49458	50690	50148	1.25	cps
Erbium	164-2	16567	17365	16811	16914	2.42	cps
Gadolinium	160-1	52684	54069	55886	54213	2.96	cps
Gadolinium	160-2	21444	21517	21781	21581	0.82	cps
Holmium	165-1	8116230	8735865	6147166	7666420	17.63	cps
Holmium	165-2	2949547	2844831	2747947	2847442	3.54	cps
Indium	115-1	6278989	6905175	4793085	5992416	18.10	cps
Indium	115-2	620699	586320	586723	597914	3.30	cps
Iron	54-2	1788323	1795242	1774376	1785980	0.60	cps
Iron	56-2	32740118	32451359	32812865	32668114	0.59	cps
Iron	57-2	783447	785977	788643	786023	0.33	cps
Krypton	83-1	183	183	187	184	1.04	cps
Lead	206-1	8323225	8455131	8731356	8503237	2.45	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-03	Instrumnet Name :	P8
Client Sample ID :	MH2GW9S	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:56:04	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	6963030	6999677	7284001	7082236	2.48	cps
Lead	208-1	32524633	32792967	33860678	33059426	2.14	cps
Lithium	6-1	3644385	3886493	2999117	3509999	13.07	cps
Magnesium	24-2	920769	926658	931389	926272	0.57	cps
Manganese	55-2	3632119	3638375	3676671	3649055	0.66	cps
Molybdenum	94-1	23093	23503	24088	23561	2.12	cps
Molybdenum	95-1	8903	9460	9373	9245	3.24	cps
Molybdenum	96-1	12899	13483	13824	13402	3.49	cps
Molybdenum	97-1	5391	5504	5808	5568	3.87	cps
Molybdenum	98-1	14081	14664	15205	14650	3.84	cps
Neodymium	150-1	83904	84913	89335	86050	3.36	cps
Neodymium	150-2	20769	21711	21514	21331	2.33	cps
Nickel	60-2	110753	111321	111572	111215	0.38	cps
Phosphorus	31-2	3717	3921	4007	3882	3.84	cps
Potassium	39-2	259674	259150	260450	259758	0.25	cps
Rhodium	103-1	5664131	6152099	4369112	5395114	17.08	cps
Rhodium	103-2	2253731	2128053	2126503	2169429	3.37	cps
Scandium	45-1	4471417	4940653	3510811	4307627	16.92	cps
Scandium	45-2	80158	74917	75162	76746	3.85	cps
Selenium	82-1	533	527	450	503	9.15	cps
Selenium	77-2	90	140	130	120	22.05	cps
Selenium	78-2	70	87	57	71	21.14	cps
Silicon	28-1	39870829	40742688	41868814	40827444	2.45	cps
Silver	107-1	136363	141430	145241	141011	3.16	cps
Silver	109-1	132988	136754	138413	136052	2.04	cps
Sodium	23-2	95584	97140	96929	96551	0.87	cps
Strontium	86-1	1226714	1247949	1303097	1259253	3.13	cps
Strontium	88-1	11193300	11362462	11634054	11396605	1.95	cps
Sulfur	34-1	206859	211485	215847	211397	2.13	cps
Terbium	159-1	8249039	8976623	6358331	7861331	17.19	cps
Terbium	159-2	2842907	2701462	2639290	2727886	3.83	cps
Thallium	203-1	66620	68100	70530	68417	2.89	cps
Thallium	205-1	159173	162237	166156	162522	2.15	cps
Tin	118-1	83737	84915	85213	84621	0.92	cps
Titanium	47-1	230853	233795	240215	234954	2.04	cps
Uranium	238-1	79312	78830	81865	80002	2.04	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1177-03	Instrumnet Name :	P8
Client Sample ID :	MH2GW9S	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:56:04	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	163505	164850	165854	164737	0.72	cps
Ytterbium	172-1	15152	15563	15719	15478	1.89	cps
Ytterbium	172-2	6195	6222	6078	6165	1.24	cps
Ytterbium	176-1	10204	10084	10554	10281	2.38	cps
Ytterbium	176-2	3921	4114	4111	4048	2.73	cps
Yttrium	89-1	12319522	13231181	9632590	11727764	15.95	cps
Yttrium	89-2	846139	806232	814912	822427	2.55	cps
Zinc	66-2	791537	803748	798298	797861	0.77	cps
Zirconium	90-1	49323	50451	51866	50547	2.52	cps
Zirconium	91-1	10854	11335	11752	11314	3.97	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-01	Instrumnet Name :	P8
Client Sample ID :	YE8C9	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:59:17	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	555905	549531	553350	552928	0.58	cps
Antimony	121-1	11055	11251	11635	11314	2.61	cps
Arsenic	75-2	7399	7329	7515	7414	1.27	cps
Barium	135-1	402430	410102	409082	407205	1.02	cps
Barium	137-1	689512	710565	708717	702931	1.66	cps
Beryllium	9-1	2756	2930	2720	2802	4.01	cps
Bismuth	209-1	5030138	4565211	5255018	4950122	7.11	cps
Bismuth	209-2	1955278	1940628	1983753	1959886	1.12	cps
Bromine	81-1	5828	5938	5835	5867	1.05	cps
Cadmium	108-1	93	110	73	92	19.91	cps
Cadmium	106-1	3594	3304	3831	3576	7.38	cps
Cadmium	111-1	2787	2576	2913	2759	6.19	cps
Calcium	43-1	138506	142460	142228	141065	1.57	cps
Calcium	44-1	2305576	2413669	2387154	2368800	2.38	cps
Carbon	12-1	1851944	1897106	1927319	1892123	2.00	cps
Carbon	12-2	12822	12906	12776	12835	0.51	cps
Chlorine	35-1	74515582	80128372	80212534	78285496	4.17	cps
Chlorine	35-2	296757	296514	298889	297387	0.44	cps
Chromium	52-2	64561	63708	63912	64060	0.70	cps
Cobalt	59-2	67469	66263	65948	66560	1.21	cps
Copper	63-2	181776	181547	182142	181822	0.16	cps
Dysprosium	156-1	29432	29519	29436	29462	0.17	cps
Dysprosium	156-2	10444	10377	10341	10387	0.50	cps
Erbium	164-1	27786	29306	28988	28693	2.79	cps
Erbium	164-2	9360	9237	9477	9358	1.28	cps
Gadolinium	160-1	30645	31310	31063	31006	1.08	cps
Gadolinium	160-2	12793	12306	12950	12683	2.65	cps
Holmium	165-1	8212046	7427465	8514921	8051477	6.97	cps
Holmium	165-2	2811360	2800887	2814334	2808861	0.25	cps
Indium	115-1	6414393	5850288	6810291	6358324	7.59	cps
Indium	115-2	593744	590311	599232	594429	0.76	cps
Iron	54-2	3277794	3211457	3260948	3250066	1.06	cps
Iron	56-2	60314762	58910164	59934601	59719842	1.22	cps
Iron	57-2	1539045	1533048	1529058	1533717	0.33	cps
Krypton	83-1	127	120	90	112	17.41	cps
Lead	206-1	138996	143989	141574	141520	1.76	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-01	Instrumnet Name :	P8
Client Sample ID :	YE8C9	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:59:17	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	113788	115298	115580	114888	0.84	cps
Lead	208-1	535709	546751	540341	540934	1.03	cps
Lithium	6-1	3725067	3508583	4013072	3748907	6.75	cps
Magnesium	24-2	991813	982692	986893	987133	0.46	cps
Manganese	55-2	281387	278045	284452	281294	1.14	cps
Molybdenum	94-1	8846	8723	8786	8785	0.70	cps
Molybdenum	95-1	6755	6772	7069	6865	2.57	cps
Molybdenum	96-1	9210	9537	9643	9463	2.39	cps
Molybdenum	97-1	4264	4117	4091	4157	2.25	cps
Molybdenum	98-1	10681	10871	10724	10759	0.93	cps
Neodymium	150-1	29406	30251	30769	30142	2.28	cps
Neodymium	150-2	7222	7299	7385	7302	1.12	cps
Nickel	60-2	48131	48673	48335	48380	0.57	cps
Phosphorus	31-2	773	757	887	806	8.78	cps
Potassium	39-2	33332	33649	33840	33607	0.76	cps
Rhodium	103-1	5870785	5393782	6140143	5801570	6.51	cps
Rhodium	103-2	2234933	2216428	2215418	2222260	0.49	cps
Scandium	45-1	4566572	4300600	4863729	4576967	6.15	cps
Scandium	45-2	76857	76840	76964	76887	0.09	cps
Selenium	82-1	79	156	133	123	32.04	cps
Selenium	77-2	40	60	37	46	27.70	cps
Selenium	78-2	30	20	43	31	37.62	cps
Silicon	28-1	6218934	6070357	6069972	6119754	1.40	cps
Silver	107-1	3644	3364	3160	3389	7.16	cps
Silver	109-1	3377	3140	3004	3174	5.95	cps
Sodium	23-2	25896	26678	26895	26490	1.98	cps
Strontium	86-1	122605	126808	124538	124650	1.69	cps
Strontium	88-1	1059974	1094860	1080838	1078558	1.63	cps
Sulfur	34-1	172416	176349	179150	175972	1.92	cps
Terbium	159-1	8397454	7605065	8773811	8258776	7.22	cps
Terbium	159-2	2698342	2689218	2779877	2722479	1.83	cps
Thallium	203-1	1143	1247	1237	1209	4.71	cps
Thallium	205-1	2884	2917	2884	2895	0.67	cps
Tin	118-1	3734	4104	4017	3952	4.90	cps
Titanium	47-1	34381	38730	37122	36744	5.98	cps
Uranium	238-1	10131	10588	10411	10377	2.22	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-01	Instrumnet Name :	P8
Client Sample ID :	YE8C9	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 16:59:17	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	63500	62844	62760	63034	0.64	cps
Ytterbium	172-1	8363	8399	8366	8376	0.24	cps
Ytterbium	172-2	3364	3244	2970	3193	6.32	cps
Ytterbium	176-1	5945	5978	6048	5990	0.88	cps
Ytterbium	176-2	2034	2054	2194	2094	4.16	cps
Yttrium	89-1	12129789	11141488	12701274	11990851	6.58	cps
Yttrium	89-2	784122	780362	789150	784544	0.56	cps
Zinc	66-2	25606	24975	26308	25630	2.60	cps
Zirconium	90-1	13387	13613	13343	13448	1.08	cps
Zirconium	91-1	3187	3207	2980	3125	4.02	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-02	Instrumnet Name :	P8
Client Sample ID :	YE8C9D	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:02:35	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	555911	559940	553834	556562	0.56	cps
Antimony	121-1	11068	11852	11728	11549	3.65	cps
Arsenic	75-2	7479	7362	7222	7354	1.75	cps
Barium	135-1	399396	408905	412126	406809	1.63	cps
Barium	137-1	697666	712303	716134	708701	1.38	cps
Beryllium	9-1	2657	2711	2746	2705	1.65	cps
Bismuth	209-1	4974514	5079449	5014776	5022913	1.05	cps
Bismuth	209-2	1950258	1988372	1978146	1972259	1.00	cps
Bromine	81-1	5421	5721	6031	5725	5.33	cps
Cadmium	108-1	97	53	97	82	30.43	cps
Cadmium	106-1	3474	3731	3497	3567	3.98	cps
Cadmium	111-1	2691	2871	2740	2767	3.36	cps
Calcium	43-1	161036	156857	149584	155826	3.72	cps
Calcium	44-1	2718134	2627304	2532002	2625813	3.54	cps
Carbon	12-1	1827570	1935042	1929772	1897462	3.19	cps
Carbon	12-2	12465	13009	13069	12848	2.59	cps
Chlorine	35-1	73595991	77985509	79904315	77161938	4.19	cps
Chlorine	35-2	290570	292570	295080	292740	0.77	cps
Chromium	52-2	63865	64843	65455	64721	1.24	cps
Cobalt	59-2	70969	70925	71522	71138	0.47	cps
Copper	63-2	178057	178985	178583	178542	0.26	cps
Dysprosium	156-1	28841	29456	29833	29377	1.70	cps
Dysprosium	156-2	10764	10077	10451	10431	3.30	cps
Erbium	164-1	28093	28597	29159	28616	1.86	cps
Erbium	164-2	9287	9477	9440	9401	1.07	cps
Gadolinium	160-1	30044	31106	30542	30564	1.74	cps
Gadolinium	160-2	12639	12129	12236	12335	2.18	cps
Holmium	165-1	8076633	8069268	8007852	8051251	0.47	cps
Holmium	165-2	2764369	2757682	2799298	2773783	0.81	cps
Indium	115-1	6481579	6351035	6459984	6430866	1.09	cps
Indium	115-2	590219	592660	589323	590734	0.29	cps
Iron	54-2	3237114	3241979	3247335	3242143	0.16	cps
Iron	56-2	59662112	59776842	59906836	59781930	0.20	cps
Iron	57-2	1528452	1515079	1550401	1531311	1.16	cps
Krypton	83-1	100	140	140	127	18.23	cps
Lead	206-1	144232	145217	143700	144383	0.53	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-02	Instrumnet Name :	P8
Client Sample ID :	YE8C9D	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:02:35	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	116135	116835	118180	117050	0.89	cps
Lead	208-1	548565	555431	557906	553967	0.87	cps
Lithium	6-1	3749231	3773186	3835807	3786075	1.18	cps
Magnesium	24-2	1003344	998065	994251	998553	0.46	cps
Manganese	55-2	292487	294175	291891	292851	0.40	cps
Molybdenum	94-1	9120	8870	9180	9056	1.82	cps
Molybdenum	95-1	6798	6795	6702	6765	0.81	cps
Molybdenum	96-1	8870	9460	9837	9389	5.19	cps
Molybdenum	97-1	4131	4344	4511	4329	4.40	cps
Molybdenum	98-1	10734	11078	10864	10892	1.59	cps
Neodymium	150-1	29770	30992	30531	30431	2.03	cps
Neodymium	150-2	7259	7349	7209	7272	0.98	cps
Nickel	60-2	48954	49181	48489	48875	0.72	cps
Phosphorus	31-2	917	817	907	880	6.26	cps
Potassium	39-2	35544	34648	34658	34950	1.47	cps
Rhodium	103-1	5820820	5879161	5863225	5854402	0.52	cps
Rhodium	103-2	2187466	2210481	2179642	2192529	0.73	cps
Scandium	45-1	4561491	4585028	4681741	4609420	1.38	cps
Scandium	45-2	76787	75949	76556	76430	0.57	cps
Selenium	82-1	133	59	93	95	38.66	cps
Selenium	77-2	30	27	50	36	35.49	cps
Selenium	78-2	13	20	27	20	33.35	cps
Silicon	28-1	5837917	6040446	6018605	5965656	1.86	cps
Silver	107-1	2864	2907	2814	2861	1.63	cps
Silver	109-1	2630	2544	2627	2600	1.89	cps
Sodium	23-2	25369	25345	26584	25766	2.75	cps
Strontium	86-1	123065	125005	126382	124818	1.33	cps
Strontium	88-1	1059263	1087923	1085366	1077517	1.47	cps
Sulfur	34-1	177419	180891	183962	180757	1.81	cps
Terbium	159-1	8354915	8245540	8385758	8328737	0.88	cps
Terbium	159-2	2706682	2708780	2693981	2703147	0.30	cps
Thallium	203-1	1193	1237	1263	1231	2.87	cps
Thallium	205-1	2657	2874	2920	2817	4.99	cps
Tin	118-1	4087	4214	4277	4193	2.31	cps
Titanium	47-1	35628	41664	36283	37858	8.75	cps
Uranium	238-1	10531	10538	10725	10598	1.04	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-02	Instrumnet Name :	P8
Client Sample ID :	YE8C9D	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:02:35	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	63584	64159	64685	64143	0.86	cps
Ytterbium	172-1	8173	8036	7996	8068	1.15	cps
Ytterbium	172-2	3157	3207	3097	3154	1.75	cps
Ytterbium	176-1	6202	5811	5978	5997	3.26	cps
Ytterbium	176-2	2244	2204	2117	2188	2.96	cps
Yttrium	89-1	12110366	11908478	12242896	12087246	1.39	cps
Yttrium	89-2	773626	784383	783729	780579	0.77	cps
Zinc	66-2	25653	25890	24915	25486	2.00	cps
Zirconium	90-1	13760	13720	13914	13798	0.74	cps
Zirconium	91-1	2884	3210	3595	3230	11.02	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-01LX5	Instrumnet Name :	P8
Client Sample ID :	YE8C9L	Dilution Factor :	5
Date & Time Acquired :	2025-01-31 17:05:55	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	101970	101893	100567	101477	0.78	cps
Antimony	121-1	2184	2174	2150	2169	0.79	cps
Arsenic	75-2	1433	1397	1347	1392	3.13	cps
Barium	135-1	75314	75666	75804	75595	0.33	cps
Barium	137-1	131357	132464	131400	131740	0.48	cps
Beryllium	9-1	655	662	606	641	4.76	cps
Bismuth	209-1	4773752	4875794	4787531	4812359	1.15	cps
Bismuth	209-2	2169598	1944629	1920764	2011664	6.82	cps
Bromine	81-1	4811	4601	4554	4655	2.94	cps
Cadmium	108-1	20	30	23	24	20.83	cps
Cadmium	106-1	3360	3377	3324	3354	0.81	cps
Cadmium	111-1	2435	2433	2397	2422	0.88	cps
Calcium	43-1	26257	26899	26227	26461	1.43	cps
Calcium	44-1	422095	425626	427564	425095	0.65	cps
Carbon	12-1	1653511	1656311	1660185	1656669	0.20	cps
Carbon	12-2	10998	11088	10917	11001	0.77	cps
Chlorine	35-1	16637004	16821663	17013498	16824055	1.12	cps
Chlorine	35-2	61423	60750	60472	60882	0.80	cps
Chromium	52-2	12049	12142	12152	12114	0.47	cps
Cobalt	59-2	12866	12482	12556	12635	1.61	cps
Copper	63-2	35675	35297	35878	35617	0.83	cps
Dysprosium	156-1	5545	5304	5338	5396	2.41	cps
Dysprosium	156-2	1923	2064	1730	1906	8.78	cps
Erbium	164-1	5268	5445	5298	5337	1.77	cps
Erbium	164-2	1847	1860	1770	1826	2.66	cps
Gadolinium	160-1	5808	5821	5715	5781	1.01	cps
Gadolinium	160-2	2404	2207	2420	2344	5.06	cps
Holmium	165-1	7760681	7706703	7843090	7770158	0.88	cps
Holmium	165-2	2973449	2655220	2717728	2782132	6.06	cps
Indium	115-1	6101942	6125336	6097115	6108131	0.25	cps
Indium	115-2	630000	567099	572324	589808	5.92	cps
Iron	54-2	568335	572277	574322	571645	0.53	cps
Iron	56-2	10955911	10898125	11010145	10954727	0.51	cps
Iron	57-2	260021	264538	264776	263111	1.02	cps
Krypton	83-1	67	47	100	71	37.88	cps
Lead	206-1	26567	27145	27596	27103	1.90	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-01LX5	Instrumnet Name :	P8
Client Sample ID :	YE8C9L	Dilution Factor :	5
Date & Time Acquired :	2025-01-31 17:05:55	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	21962	22253	21792	22002	1.06	cps
Lead	208-1	103398	104421	103945	103921	0.49	cps
Lithium	6-1	3486579	3449603	3431177	3455786	0.82	cps
Magnesium	24-2	179011	181346	178853	179737	0.78	cps
Manganese	55-2	51456	52432	52004	51964	0.94	cps
Molybdenum	94-1	1810	1893	1730	1811	4.51	cps
Molybdenum	95-1	1317	1267	1320	1301	2.30	cps
Molybdenum	96-1	1723	1940	1920	1861	6.43	cps
Molybdenum	97-1	817	980	950	916	9.50	cps
Molybdenum	98-1	2074	2317	2174	2188	5.59	cps
Neodymium	150-1	5645	5728	5841	5738	1.72	cps
Neodymium	150-2	1510	1290	1380	1393	7.94	cps
Nickel	60-2	9487	9483	9927	9632	2.65	cps
Phosphorus	31-2	180	170	173	174	2.92	cps
Potassium	39-2	8419	8686	8566	8557	1.56	cps
Rhodium	103-1	5635246	5681510	5616790	5644515	0.59	cps
Rhodium	103-2	2373345	2125801	2129199	2209448	6.42	cps
Scandium	45-1	4234230	4238862	4281934	4251675	0.62	cps
Scandium	45-2	78223	70837	69406	72822	6.50	cps
Selenium	82-1	47	67	4	39	82.05	cps
Selenium	77-2	30	0	3	11	148.01	cps
Selenium	78-2	7	10	7	8	24.71	cps
Silicon	28-1	1263855	1292877	1424898	1327210	6.47	cps
Silver	107-1	657	733	653	681	6.64	cps
Silver	109-1	597	537	660	598	10.32	cps
Sodium	23-2	12642	12752	12742	12712	0.48	cps
Strontium	86-1	23199	23126	23466	23264	0.77	cps
Strontium	88-1	197872	202182	200171	200075	1.08	cps
Sulfur	34-1	166751	165914	164670	165779	0.63	cps
Terbium	159-1	7894042	7875239	7948186	7905822	0.48	cps
Terbium	159-2	2942836	2612993	2622446	2726092	6.89	cps
Thallium	203-1	433	410	380	408	6.56	cps
Thallium	205-1	990	940	1053	994	5.71	cps
Tin	118-1	2534	2430	2467	2477	2.12	cps
Titanium	47-1	6618	6415	6488	6507	1.58	cps
Uranium	238-1	1823	2134	1890	1949	8.37	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-01LX5	Instrumnet Name :	P8
Client Sample ID :	YE8C9L	Dilution Factor :	5
Date & Time Acquired :	2025-01-31 17:05:55	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	11568	11475	11665	11569	0.82	cps
Ytterbium	172-1	1487	1603	1477	1522	4.63	cps
Ytterbium	172-2	590	600	647	612	4.94	cps
Ytterbium	176-1	1893	2010	1887	1930	3.59	cps
Ytterbium	176-2	500	513	517	510	1.73	cps
Yttrium	89-1	11056096	11071292	11067461	11064950	0.07	cps
Yttrium	89-2	802000	720029	724047	748692	6.17	cps
Zinc	66-2	4914	5038	4721	4891	3.26	cps
Zirconium	90-1	2607	2740	2917	2755	5.65	cps
Zirconium	91-1	687	687	613	662	6.39	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-03	Instrumnet Name :	P8
Client Sample ID :	YE8C9S	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:09:15	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	527092	526666	529197	527652	0.26	cps
Antimony	121-1	6785	6665	6632	6694	1.21	cps
Arsenic	75-2	5651	5561	5678	5630	1.09	cps
Barium	135-1	398613	403518	403502	401878	0.70	cps
Barium	137-1	690972	699822	701084	697293	0.79	cps
Beryllium	9-1	2334	2357	2372	2354	0.83	cps
Bismuth	209-1	4921939	4989817	5179420	5030392	2.65	cps
Bismuth	209-2	1975771	1961032	1991886	1976230	0.78	cps
Bromine	81-1	5801	5938	5925	5888	1.28	cps
Cadmium	108-1	280	180	193	218	24.93	cps
Cadmium	106-1	3427	3437	3767	3544	5.46	cps
Cadmium	111-1	2843	2827	3142	2937	6.04	cps
Calcium	43-1	162395	167149	166650	165398	1.58	cps
Calcium	44-1	2591310	2636471	2624581	2617454	0.89	cps
Carbon	12-1	2022823	2054812	2143444	2073693	3.01	cps
Carbon	12-2	13947	13790	14027	13921	0.87	cps
Chlorine	35-1	65589406	69621852	71898466	69036575	4.63	cps
Chlorine	35-2	267257	267911	269709	268292	0.47	cps
Chromium	52-2	58492	57592	58017	58034	0.78	cps
Cobalt	59-2	124259	123859	124098	124072	0.16	cps
Copper	63-2	156552	157711	157724	157329	0.43	cps
Dysprosium	156-1	27208	27027	26329	26855	1.73	cps
Dysprosium	156-2	9217	9443	9480	9380	1.52	cps
Erbium	164-1	24933	25695	25942	25523	2.06	cps
Erbium	164-2	8223	8353	8446	8340	1.35	cps
Gadolinium	160-1	27418	27816	27598	27611	0.72	cps
Gadolinium	160-2	10988	11148	11055	11064	0.73	cps
Holmium	165-1	7974022	7965224	8293444	8077563	2.32	cps
Holmium	165-2	2816662	2861695	2758753	2812370	1.83	cps
Indium	115-1	6172580	6275157	6476139	6307959	2.45	cps
Indium	115-2	595435	590544	591719	592566	0.43	cps
Iron	54-2	2864189	2853698	2870101	2862663	0.29	cps
Iron	56-2	52583726	52588301	52906703	52692910	0.35	cps
Iron	57-2	1262043	1267065	1274708	1267938	0.50	cps
Krypton	83-1	123	130	100	118	13.38	cps
Lead	206-1	144007	147009	145546	145521	1.03	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-03	Instrumnet Name :	P8
Client Sample ID :	YE8C9S	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:09:15	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	119993	120541	121890	120808	0.81	cps
Lead	208-1	558027	568049	566282	564120	0.95	cps
Lithium	6-1	3625135	3668027	3809265	3700809	2.60	cps
Magnesium	24-2	965550	965249	975405	968734	0.60	cps
Manganese	55-2	502193	507260	508521	505991	0.66	cps
Molybdenum	94-1	262935	265984	267266	265395	0.84	cps
Molybdenum	95-1	456989	462580	463591	461054	0.77	cps
Molybdenum	96-1	482934	489582	495200	489239	1.26	cps
Molybdenum	97-1	282371	288147	284841	285120	1.02	cps
Molybdenum	98-1	727144	738692	737106	734314	0.85	cps
Neodymium	150-1	27418	27789	28280	27829	1.55	cps
Neodymium	150-2	6592	6408	6732	6577	2.47	cps
Nickel	60-2	52450	53169	53701	53106	1.18	cps
Phosphorus	31-2	767	737	640	714	9.27	cps
Potassium	39-2	35972	36964	36657	36531	1.39	cps
Rhodium	103-1	5691068	5735193	5922922	5783061	2.13	cps
Rhodium	103-2	2187163	2177016	2219700	2194626	1.02	cps
Scandium	45-1	4443361	4574277	4671173	4562937	2.51	cps
Scandium	45-2	76646	76552	76217	76472	0.29	cps
Selenium	82-1	25	32	105	54	81.88	cps
Selenium	77-2	33	43	23	33	30.00	cps
Selenium	78-2	33	20	53	36	47.19	cps
Silicon	28-1	16756776	17113598	17050834	16973736	1.12	cps
Silver	107-1	2830	2627	2810	2756	4.07	cps
Silver	109-1	2444	2650	2684	2592	5.02	cps
Sodium	23-2	34678	35410	36075	35387	1.97	cps
Strontium	86-1	9512148	9652101	9681829	9615359	0.94	cps
Strontium	88-1	82113722	83535799	82515380	82721634	0.89	cps
Sulfur	34-1	174318	177280	180300	177300	1.69	cps
Terbium	159-1	8029364	8145539	8434353	8203086	2.54	cps
Terbium	159-2	2691353	2699145	2703780	2698093	0.23	cps
Thallium	203-1	1313	1177	1040	1177	11.62	cps
Thallium	205-1	2744	2747	2984	2825	4.87	cps
Tin	118-1	3637	3500	3484	3541	2.38	cps
Titanium	47-1	29043	35855	33051	32650	10.49	cps
Uranium	238-1	9450	9710	9617	9593	1.37	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1159-03	Instrumnet Name :	P8
Client Sample ID :	YE8C9S	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:09:15	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	55668	55202	56605	55825	1.28	cps
Ytterbium	172-1	7065	7199	7269	7178	1.44	cps
Ytterbium	172-2	2720	2834	2740	2765	2.19	cps
Ytterbium	176-1	5124	5384	5154	5221	2.73	cps
Ytterbium	176-2	1923	1843	1893	1887	2.14	cps
Yttrium	89-1	11603090	11784830	12307368	11898429	3.07	cps
Yttrium	89-2	779408	776758	777770	777979	0.17	cps
Zinc	66-2	25389	24822	24972	25061	1.17	cps
Zirconium	90-1	9880	9994	9914	9929	0.59	cps
Zirconium	91-1	2144	2951	2280	2458	17.59	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-04	Instrumnet Name :	P8
Client Sample ID :	MH2GZ1	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:12:33	DataFile Name :	043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	527539	526334	525777	526550	0.17	cps
Antimony	121-1	10144	10037	10224	10135	0.92	cps
Arsenic	75-2	2677	2644	2824	2715	3.53	cps
Barium	135-1	1050745	1069817	1081973	1067512	1.47	cps
Barium	137-1	1914225	1970156	1982871	1955751	1.87	cps
Beryllium	9-1	4830	4966	4958	4918	1.55	cps
Bismuth	209-1	4781530	4908844	4894596	4861657	1.43	cps
Bismuth	209-2	1875469	1896041	1917301	1896270	1.10	cps
Bromine	81-1	11555	12089	12332	11992	3.32	cps
Cadmium	108-1	537	510	467	504	7.00	cps
Cadmium	106-1	4174	4267	4678	4373	6.12	cps
Cadmium	111-1	8831	8541	9122	8832	3.29	cps
Calcium	43-1	4315715	4446403	4495809	4419309	2.11	cps
Calcium	44-1	69718192	70734761	72374944	70942632	1.89	cps
Carbon	12-1	2261025	2347856	2409438	2339440	3.19	cps
Carbon	12-2	16262	15378	16179	15940	3.06	cps
Chlorine	35-1	70293574	74839437	77484507	74205839	4.90	cps
Chlorine	35-2	279888	286464	284340	283564	1.18	cps
Chromium	52-2	36988	36968	36894	36950	0.13	cps
Cobalt	59-2	50512	50104	49656	50091	0.85	cps
Copper	63-2	173952	172538	174433	173641	0.57	cps
Dysprosium	156-1	82801	85185	85334	84440	1.68	cps
Dysprosium	156-2	25514	25615	25812	25647	0.59	cps
Erbium	164-1	67416	68321	68254	67997	0.74	cps
Erbium	164-2	21714	21885	22366	21988	1.54	cps
Gadolinium	160-1	73132	74212	74952	74099	1.24	cps
Gadolinium	160-2	30107	29569	29777	29818	0.91	cps
Holmium	165-1	8112741	8282737	8236253	8210577	1.07	cps
Holmium	165-2	2802642	2876731	2865925	2848433	1.41	cps
Indium	115-1	6311542	6394948	6489245	6398578	1.39	cps
Indium	115-2	582413	596127	601098	593213	1.63	cps
Iron	54-2	2558760	2540820	2567587	2555722	0.53	cps
Iron	56-2	46602229	46122219	46302858	46342435	0.52	cps
Iron	57-2	1123363	1119489	1120163	1121005	0.18	cps
Krypton	83-1	197	213	193	201	5.33	cps
Lead	206-1	1120247	1137611	1153025	1136961	1.44	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-04	Instrumnet Name :	P8
Client Sample ID :	MH2GZ1	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:12:33	DataFile Name :	043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	935473	952757	963869	950700	1.51	cps
Lead	208-1	4523226	4584713	4685395	4597778	1.78	cps
Lithium	6-1	3751536	3782326	3907892	3813918	2.17	cps
Magnesium	24-2	1279838	1292532	1268035	1280135	0.96	cps
Manganese	55-2	698722	695007	694330	696019	0.34	cps
Molybdenum	94-1	18840	19097	18883	18940	0.73	cps
Molybdenum	95-1	18122	18295	18275	18231	0.52	cps
Molybdenum	96-1	21373	21680	21981	21678	1.40	cps
Molybdenum	97-1	10988	11288	10971	11082	1.61	cps
Molybdenum	98-1	28339	28964	28987	28763	1.28	cps
Neodymium	150-1	127145	130184	131857	129729	1.84	cps
Neodymium	150-2	30755	31343	30424	30841	1.51	cps
Nickel	60-2	61311	61566	61924	61600	0.50	cps
Phosphorus	31-2	5058	5031	5094	5061	0.63	cps
Potassium	39-2	282274	282166	281893	282111	0.07	cps
Rhodium	103-1	5688409	5740476	5747150	5725345	0.56	cps
Rhodium	103-2	2129059	2198296	2187518	2171624	1.72	cps
Scandium	45-1	4595413	4674625	4734792	4668277	1.50	cps
Scandium	45-2	75118	77142	78888	77049	2.45	cps
Selenium	82-1	188	158	241	196	21.59	cps
Selenium	77-2	137	110	117	121	11.46	cps
Selenium	78-2	73	67	70	70	4.76	cps
Silicon	28-1	6905732	6803920	6776827	6828826	1.00	cps
Silver	107-1	8019	7952	7882	7951	0.86	cps
Silver	109-1	7242	7962	7682	7629	4.76	cps
Sodium	23-2	140687	141848	140067	140867	0.64	cps
Strontium	86-1	966494	991371	992857	983574	1.51	cps
Strontium	88-1	8784556	8883397	8913184	8860379	0.76	cps
Sulfur	34-1	244093	249805	254905	249601	2.17	cps
Terbium	159-1	8186809	8506285	8359829	8350974	1.92	cps
Terbium	159-2	2665823	2773599	2764347	2734590	2.18	cps
Thallium	203-1	4904	5138	5238	5093	3.36	cps
Thallium	205-1	11879	12069	11866	11938	0.95	cps
Tin	118-1	37391	38748	38848	38329	2.12	cps
Titanium	47-1	223765	231098	233374	229412	2.19	cps
Uranium	238-1	89080	89845	88613	89179	0.70	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-04	Instrumnet Name :	P8
Client Sample ID :	MH2GZ1	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:12:33	DataFile Name :	043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	111614	111668	111164	111482	0.25	cps
Ytterbium	172-1	19414	19872	19277	19521	1.59	cps
Ytterbium	172-2	7499	7562	7782	7614	1.95	cps
Ytterbium	176-1	12519	13147	13197	12954	2.91	cps
Ytterbium	176-2	4941	4908	4968	4939	0.61	cps
Yttrium	89-1	12756124	12869921	13133057	12919701	1.50	cps
Yttrium	89-2	830266	843803	849593	841221	1.18	cps
Zinc	66-2	112915	113375	113675	113322	0.34	cps
Zirconium	90-1	23129	23496	24074	23567	2.02	cps
Zirconium	91-1	4888	5478	4888	5084	6.70	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-05	Instrumnet Name :	P8
Client Sample ID :	MH2GZ2	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:15:48	DataFile Name :	044AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	575537	576079	581247	577621	0.55	cps
Antimony	121-1	26960	28166	27257	27461	2.29	cps
Arsenic	75-2	5338	5058	5011	5135	3.44	cps
Barium	135-1	1222760	1252843	1250714	1242105	1.35	cps
Barium	137-1	2241119	2301348	2319964	2287477	1.80	cps
Beryllium	9-1	9907	9952	9837	9899	0.59	cps
Bismuth	209-1	4865240	4948265	4937770	4917092	0.92	cps
Bismuth	209-2	1874882	1873489	1883946	1877439	0.30	cps
Bromine	81-1	7635	7439	7829	7634	2.56	cps
Cadmium	108-1	2277	2374	2230	2294	3.19	cps
Cadmium	106-1	6438	7035	6828	6767	4.48	cps
Cadmium	111-1	22050	22567	22602	22406	1.38	cps
Calcium	43-1	4583572	4669547	4744794	4665971	1.73	cps
Calcium	44-1	73760106	75852604	75622304	75078338	1.53	cps
Carbon	12-1	3077865	3165324	3208075	3150421	2.11	cps
Carbon	12-2	21189	21676	21756	21540	1.43	cps
Chlorine	35-1	71280439	74950639	77000449	74410509	3.89	cps
Chlorine	35-2	279933	281268	283856	281686	0.71	cps
Chromium	52-2	284141	287074	285599	285605	0.51	cps
Cobalt	59-2	65409	64981	65614	65334	0.49	cps
Copper	63-2	598175	602732	606184	602364	0.67	cps
Dysprosium	156-1	79163	80654	80591	80136	1.05	cps
Dysprosium	156-2	22876	24058	23638	23524	2.55	cps
Erbium	164-1	61652	61612	62720	61995	1.01	cps
Erbium	164-2	20179	20222	19948	20116	0.73	cps
Gadolinium	160-1	66722	68937	69456	68372	2.12	cps
Gadolinium	160-2	27004	27188	28009	27400	1.95	cps
Holmium	165-1	8358552	8253884	8182550	8264996	1.07	cps
Holmium	165-2	2831550	2830035	2811323	2824303	0.40	cps
Indium	115-1	6325099	6403604	6451329	6393344	1.00	cps
Indium	115-2	590667	588801	592801	590756	0.34	cps
Iron	54-2	5880008	5719520	5801024	5800184	1.38	cps
Iron	56-2	106200278	106889215	106457622	106515705	0.33	cps
Iron	57-2	2702123	2723542	2776019	2733895	1.39	cps
Krypton	83-1	207	213	187	202	6.86	cps
Lead	206-1	5851659	5802989	5944593	5866414	1.23	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-05	Instrumnet Name :	P8
Client Sample ID :	MH2GZ2	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:15:48	DataFile Name :	044AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4964917	4904481	4911989	4927129	0.67	cps
Lead	208-1	22576206	22522989	22877174	22658790	0.84	cps
Lithium	6-1	3786499	3776420	3791121	3784680	0.20	cps
Magnesium	24-2	3903656	3924926	4014175	3947586	1.49	cps
Manganese	55-2	3473499	3513170	3563663	3516777	1.28	cps
Molybdenum	94-1	46544	47799	48002	47448	1.66	cps
Molybdenum	95-1	29595	30123	30477	30065	1.48	cps
Molybdenum	96-1	38410	39389	39188	38996	1.33	cps
Molybdenum	97-1	18179	18980	18936	18698	2.41	cps
Molybdenum	98-1	47056	48136	48632	47941	1.68	cps
Neodymium	150-1	118907	119368	120035	119437	0.47	cps
Neodymium	150-2	28617	29048	28647	28771	0.84	cps
Nickel	60-2	71974	71991	72855	72273	0.70	cps
Phosphorus	31-2	5424	5021	5544	5330	5.15	cps
Potassium	39-2	331972	333133	334144	333083	0.33	cps
Rhodium	103-1	5701756	5771481	5768683	5747306	0.69	cps
Rhodium	103-2	2138670	2177209	2156993	2157624	0.89	cps
Scandium	45-1	4683579	4747971	4751339	4727630	0.81	cps
Scandium	45-2	78322	78070	78221	78205	0.16	cps
Selenium	82-1	116	233	270	206	38.84	cps
Selenium	77-2	113	60	113	96	32.22	cps
Selenium	78-2	67	43	43	51	26.37	cps
Silicon	28-1	55789003	56511062	57239604	56513223	1.28	cps
Silver	107-1	27477	27524	28028	27677	1.10	cps
Silver	109-1	25417	26516	27144	26359	3.32	cps
Sodium	23-2	153110	152113	155626	153617	1.18	cps
Strontium	86-1	1268687	1283662	1289623	1280657	0.84	cps
Strontium	88-1	11491324	11624875	11753904	11623368	1.13	cps
Sulfur	34-1	242144	246357	249639	246047	1.53	cps
Terbium	159-1	8377037	8460536	8506248	8447940	0.78	cps
Terbium	159-2	2734492	2733762	2766628	2744961	0.68	cps
Thallium	203-1	4204	4184	3921	4103	3.86	cps
Thallium	205-1	9640	9680	9754	9691	0.59	cps
Tin	118-1	144260	145092	148606	145986	1.58	cps
Titanium	47-1	512250	521436	526958	520214	1.43	cps
Uranium	238-1	113018	114413	113182	113538	0.67	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-05	Instrumnet Name :	P8
Client Sample ID :	MH2GZ2	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:15:48	DataFile Name :	044AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	118918	120283	121040	120080	0.90	cps
Ytterbium	172-1	18727	18576	18700	18668	0.43	cps
Ytterbium	172-2	7362	7205	7239	7269	1.14	cps
Ytterbium	176-1	12373	12686	13006	12688	2.50	cps
Ytterbium	176-2	4844	4621	4948	4804	3.48	cps
Yttrium	89-1	12922503	12797341	12927091	12882312	0.57	cps
Yttrium	89-2	837167	831844	842819	837277	0.66	cps
Zinc	66-2	749732	750650	752849	751077	0.21	cps
Zirconium	90-1	81295	83320	81596	82071	1.33	cps
Zirconium	91-1	18586	18576	18773	18645	0.60	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-06	Instrumnet Name :	P8
Client Sample ID :	MH2GZ3	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:18:59	DataFile Name :	045AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	576901	581399	575112	577804	0.56	cps
Antimony	121-1	30217	31419	30975	30870	1.97	cps
Arsenic	75-2	8152	8453	8413	8339	1.95	cps
Barium	135-1	1892525	1936971	1955498	1928331	1.68	cps
Barium	137-1	3280888	3332631	3315507	3309675	0.80	cps
Beryllium	9-1	9648	9852	9823	9775	1.13	cps
Bismuth	209-1	5064888	5053044	5055800	5057911	0.12	cps
Bismuth	209-2	1925767	2024485	1978866	1976372	2.50	cps
Bromine	81-1	8716	8769	8810	8765	0.53	cps
Cadmium	108-1	3417	3444	3350	3404	1.41	cps
Cadmium	106-1	8593	8366	8633	8530	1.69	cps
Cadmium	111-1	48740	49756	50209	49569	1.52	cps
Calcium	43-1	6376716	6481981	6553038	6470579	1.37	cps
Calcium	44-1	102983512	105009285	105605298	104532698	1.31	cps
Carbon	12-1	2472408	2603427	2641024	2572287	3.44	cps
Carbon	12-2	17701	17247	17587	17512	1.35	cps
Chlorine	35-1	77690556	81456840	83002735	80716710	3.39	cps
Chlorine	35-2	305918	302174	307683	305258	0.92	cps
Chromium	52-2	77746	78044	77143	77644	0.59	cps
Cobalt	59-2	92941	91629	93296	92622	0.95	cps
Copper	63-2	1350033	1337569	1344295	1343966	0.46	cps
Dysprosium	156-1	82922	85967	86206	85031	2.15	cps
Dysprosium	156-2	26176	25648	26423	26082	1.52	cps
Erbium	164-1	68917	70489	70606	70004	1.35	cps
Erbium	164-2	23454	22559	23073	23029	1.95	cps
Gadolinium	160-1	74838	77007	77030	76292	1.65	cps
Gadolinium	160-2	29710	29954	30214	29959	0.84	cps
Holmium	165-1	8421254	8276456	8385991	8361234	0.90	cps
Holmium	165-2	2828724	2968018	2858057	2884933	2.55	cps
Indium	115-1	6684376	6512571	6533184	6576710	1.43	cps
Indium	115-2	592214	633513	612646	612791	3.37	cps
Iron	54-2	6045932	6048642	6078768	6057781	0.30	cps
Iron	56-2	111963852	109576485	110785168	110775168	1.08	cps
Iron	57-2	2880765	2815559	2854631	2850318	1.15	cps
Krypton	83-1	170	177	227	191	16.21	cps
Lead	206-1	9664277	9752411	9921793	9779494	1.34	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-06	Instrumnet Name :	P8
Client Sample ID :	MH2GZ3	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:18:59	DataFile Name :	045AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	7996574	8303074	8277183	8192277	2.07	cps
Lead	208-1	37302767	38672299	38541480	38172182	1.98	cps
Lithium	6-1	3843038	3766404	3799676	3803039	1.01	cps
Magnesium	24-2	1924727	1944238	1901659	1923542	1.11	cps
Manganese	55-2	4137600	4052571	4073868	4088013	1.08	cps
Molybdenum	94-1	34867	35171	35679	35239	1.16	cps
Molybdenum	95-1	21867	22562	22969	22466	2.48	cps
Molybdenum	96-1	28583	29024	29718	29108	1.97	cps
Molybdenum	97-1	13266	13860	14197	13775	3.42	cps
Molybdenum	98-1	34392	35338	35783	35171	2.02	cps
Neodymium	150-1	122039	123992	124696	123576	1.11	cps
Neodymium	150-2	30060	29793	29693	29849	0.64	cps
Nickel	60-2	86189	85703	85685	85859	0.33	cps
Phosphorus	31-2	5071	4898	5074	5014	2.02	cps
Potassium	39-2	328639	328268	328590	328499	0.06	cps
Rhodium	103-1	5912912	5772245	5798523	5827893	1.28	cps
Rhodium	103-2	2133644	2266171	2182337	2194051	3.06	cps
Scandium	45-1	4908486	4821400	4836768	4855552	0.96	cps
Scandium	45-2	78024	83722	80969	80905	3.52	cps
Selenium	82-1	302	219	179	233	26.82	cps
Selenium	77-2	127	123	103	118	10.72	cps
Selenium	78-2	70	113	60	81	34.96	cps
Silicon	28-1	13583565	13960699	14034749	13859671	1.75	cps
Silver	107-1	85171	87384	86747	86434	1.32	cps
Silver	109-1	81995	83373	84249	83206	1.37	cps
Sodium	23-2	122916	122676	123695	123096	0.43	cps
Strontium	86-1	2007182	2068212	2047621	2041005	1.52	cps
Strontium	88-1	17135500	17578674	17734470	17482881	1.78	cps
Sulfur	34-1	230403	233272	236395	233357	1.28	cps
Terbium	159-1	8635914	8397399	8478089	8503800	1.43	cps
Terbium	159-2	2702466	2899350	2835881	2812566	3.57	cps
Thallium	203-1	8870	9097	9133	9033	1.58	cps
Thallium	205-1	21248	21388	21608	21414	0.85	cps
Tin	118-1	207206	210357	213055	210206	1.39	cps
Titanium	47-1	351499	361823	361714	358345	1.65	cps
Uranium	238-1	103347	105161	106885	105131	1.68	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-06	Instrumnet Name :	P8
Client Sample ID :	MH2GZ3	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:18:59	DataFile Name :	045AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	119490	118559	119544	119197	0.46	cps
Ytterbium	172-1	20947	21354	21528	21276	1.40	cps
Ytterbium	172-2	8406	8429	8546	8461	0.89	cps
Ytterbium	176-1	14191	14408	14031	14210	1.33	cps
Ytterbium	176-2	5655	5578	5441	5558	1.95	cps
Yttrium	89-1	13373085	13092746	13123255	13196362	1.17	cps
Yttrium	89-2	843532	891148	868673	867785	2.74	cps
Zinc	66-2	1078204	1066710	1062385	1069100	0.76	cps
Zirconium	90-1	58967	62496	61907	61123	3.09	cps
Zirconium	91-1	13160	13543	13560	13421	1.69	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-07	Instrumnet Name :	P8
Client Sample ID :	MH2GZ4	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:22:06	DataFile Name :	046AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	620388	628430	620250	623023	0.75	cps
Antimony	121-1	31226	31403	31553	31394	0.52	cps
Arsenic	75-2	9760	9557	9937	9751	1.95	cps
Barium	135-1	2066564	2116662	2126519	2103248	1.53	cps
Barium	137-1	3546582	3666444	3618094	3610374	1.67	cps
Beryllium	9-1	11240	11599	11647	11496	1.93	cps
Bismuth	209-1	5191010	4999511	5048705	5079742	1.96	cps
Bismuth	209-2	1902900	1960281	1957144	1940108	1.66	cps
Bromine	81-1	8596	8723	8810	8709	1.23	cps
Cadmium	108-1	4477	4551	4424	4484	1.42	cps
Cadmium	106-1	9800	10094	9964	9953	1.48	cps
Cadmium	111-1	63676	64583	65204	64487	1.19	cps
Calcium	43-1	5278637	5477169	5469388	5408398	2.08	cps
Calcium	44-1	85835239	88379685	88429402	87548109	1.69	cps
Carbon	12-1	2425775	2501589	2554342	2493902	2.59	cps
Carbon	12-2	16706	16736	16696	16713	0.12	cps
Chlorine	35-1	73166166	76856802	79179487	76400818	3.97	cps
Chlorine	35-2	291221	293511	291949	292227	0.40	cps
Chromium	52-2	61207	61900	61605	61571	0.56	cps
Cobalt	59-2	110652	110900	109073	110208	0.90	cps
Copper	63-2	1630745	1662375	1612806	1635309	1.53	cps
Dysprosium	156-1	84166	86457	86940	85854	1.73	cps
Dysprosium	156-2	26376	26012	25999	26129	0.82	cps
Erbium	164-1	69611	70368	71685	70555	1.49	cps
Erbium	164-2	23174	23037	22900	23037	0.59	cps
Gadolinium	160-1	76477	78049	77128	77218	1.02	cps
Gadolinium	160-2	30401	30341	30251	30331	0.25	cps
Holmium	165-1	8383934	8034336	8187729	8202000	2.14	cps
Holmium	165-2	2795752	2777982	2724230	2765988	1.35	cps
Indium	115-1	6543524	6434574	6379990	6452696	1.29	cps
Indium	115-2	589811	589843	586901	588852	0.29	cps
Iron	54-2	6925217	7030064	6928830	6961371	0.85	cps
Iron	56-2	129865018	130083068	127565581	129171223	1.08	cps
Iron	57-2	3297303	3274999	3264362	3278888	0.51	cps
Krypton	83-1	233	180	217	210	12.99	cps
Lead	206-1	11285548	11539916	11508164	11444543	1.21	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-07	Instrumnet Name :	P8
Client Sample ID :	MH2GZ4	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:22:06	DataFile Name :	046AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	9670777	9543972	9765915	9660222	1.15	cps
Lead	208-1	44944813	45053773	45360643	45119743	0.48	cps
Lithium	6-1	3769826	3698034	3713611	3727157	1.01	cps
Magnesium	24-2	1326229	1340310	1333472	1333337	0.53	cps
Manganese	55-2	3856366	3911852	3828339	3865519	1.10	cps
Molybdenum	94-1	30336	32277	31963	31526	3.31	cps
Molybdenum	95-1	16476	17578	17161	17072	3.26	cps
Molybdenum	96-1	23677	23994	23664	23778	0.79	cps
Molybdenum	97-1	10521	10544	11128	10731	3.21	cps
Molybdenum	98-1	26251	27100	27287	26879	2.05	cps
Neodymium	150-1	122950	126704	126392	125349	1.66	cps
Neodymium	150-2	30211	29800	29994	30001	0.69	cps
Nickel	60-2	106246	107163	106085	106498	0.55	cps
Phosphorus	31-2	4617	4437	4377	4477	2.79	cps
Potassium	39-2	332969	336318	332296	333861	0.65	cps
Rhodium	103-1	5884132	5576661	5637158	5699317	2.86	cps
Rhodium	103-2	2134555	2127704	2090807	2117688	1.11	cps
Scandium	45-1	4716870	4659538	4724266	4700225	0.75	cps
Scandium	45-2	78298	76898	76901	77365	1.04	cps
Selenium	82-1	175	185	166	175	5.65	cps
Selenium	77-2	133	113	140	129	10.76	cps
Selenium	78-2	57	90	70	72	23.23	cps
Silicon	28-1	8863513	9102504	9217356	9061125	1.99	cps
Silver	107-1	125942	128851	129921	128238	1.61	cps
Silver	109-1	121577	123208	124371	123052	1.14	cps
Sodium	23-2	118577	118506	119020	118701	0.23	cps
Strontium	86-1	1867641	1913391	1936730	1905921	1.84	cps
Strontium	88-1	16189128	16716974	16670449	16525517	1.77	cps
Sulfur	34-1	225583	229818	231452	228951	1.32	cps
Terbium	159-1	8498234	8249982	8322712	8356976	1.53	cps
Terbium	159-2	2728817	2710477	2675988	2705094	0.99	cps
Thallium	203-1	13027	13210	13484	13240	1.74	cps
Thallium	205-1	30292	30980	31368	30880	1.76	cps
Tin	118-1	170233	172859	173402	172165	0.98	cps
Titanium	47-1	336354	347614	349739	344569	2.09	cps
Uranium	238-1	104247	105517	105413	105059	0.67	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-07	Instrumnet Name :	P8
Client Sample ID :	MH2GZ4	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:22:06	DataFile Name :	046AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	121187	120505	119658	120450	0.64	cps
Ytterbium	172-1	21634	22135	22616	22129	2.22	cps
Ytterbium	172-2	8269	8933	8393	8532	4.14	cps
Ytterbium	176-1	14088	15055	14758	14634	3.39	cps
Ytterbium	176-2	5364	5645	5655	5555	2.96	cps
Yttrium	89-1	13142350	12980199	12914822	13012457	0.90	cps
Yttrium	89-2	834146	825257	831352	830252	0.55	cps
Zinc	66-2	1328742	1330753	1332794	1330763	0.15	cps
Zirconium	90-1	59613	59938	60962	60171	1.17	cps
Zirconium	91-1	13006	13497	13397	13300	1.95	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-08	Instrumnet Name :	P8
Client Sample ID :	MH2GZ5	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:25:15	DataFile Name :	047AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	652840	650152	644392	649128	0.66	cps
Antimony	121-1	24646	25163	24879	24896	1.04	cps
Arsenic	75-2	9260	9597	9613	9490	2.10	cps
Barium	135-1	1759531	1730031	1734439	1741334	0.91	cps
Barium	137-1	2929667	3024004	3020185	2991286	1.79	cps
Beryllium	9-1	9348	9451	9563	9454	1.14	cps
Bismuth	209-1	5138259	5110681	5061780	5103573	0.76	cps
Bismuth	209-2	1918017	1963076	1923335	1934809	1.27	cps
Bromine	81-1	8519	8486	8539	8515	0.32	cps
Cadmium	108-1	2810	2877	3020	2903	3.70	cps
Cadmium	106-1	8119	7672	7522	7771	4.00	cps
Cadmium	111-1	43313	43311	43718	43447	0.54	cps
Calcium	43-1	3891943	3954438	3983380	3943254	1.19	cps
Calcium	44-1	62480357	64209684	64819812	63836618	1.90	cps
Carbon	12-1	2328323	2415782	2433151	2392418	2.35	cps
Carbon	12-2	16166	16319	16266	16250	0.48	cps
Chlorine	35-1	69869321	74122356	76258664	73416780	4.43	cps
Chlorine	35-2	281129	283966	283508	282868	0.54	cps
Chromium	52-2	54149	53623	54343	54038	0.69	cps
Cobalt	59-2	90656	90878	90968	90834	0.18	cps
Copper	63-2	1188108	1195544	1186740	1190131	0.40	cps
Dysprosium	156-1	94243	95568	96424	95412	1.15	cps
Dysprosium	156-2	28895	28437	29502	28945	1.85	cps
Erbium	164-1	75228	77809	76706	76581	1.69	cps
Erbium	164-2	25017	24863	24900	24927	0.32	cps
Gadolinium	160-1	82922	85230	85723	84625	1.77	cps
Gadolinium	160-2	33028	33609	33184	33274	0.90	cps
Holmium	165-1	8383953	8284941	8130005	8266299	1.55	cps
Holmium	165-2	2834154	2790691	2718651	2781165	2.10	cps
Indium	115-1	6570651	6537517	6449960	6519376	0.96	cps
Indium	115-2	591062	585463	592395	589640	0.62	cps
Iron	54-2	5514992	5515135	5520063	5516730	0.05	cps
Iron	56-2	102480258	101847165	101279498	101868974	0.59	cps
Iron	57-2	2604699	2591889	2659091	2618560	1.36	cps
Krypton	83-1	180	237	250	222	16.73	cps
Lead	206-1	7522800	7689940	7662811	7625184	1.18	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-08	Instrumnet Name :	P8
Client Sample ID :	MH2GZ5	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:25:15	DataFile Name :	047AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	6365125	6540579	6481310	6462338	1.38	cps
Lead	208-1	29559009	30378005	29924532	29953849	1.37	cps
Lithium	6-1	3731431	3701571	3720372	3717791	0.41	cps
Magnesium	24-2	1430923	1437851	1413200	1427325	0.89	cps
Manganese	55-2	2757658	2743344	2796317	2765773	0.99	cps
Molybdenum	94-1	26355	27003	26161	26506	1.66	cps
Molybdenum	95-1	19400	19811	20298	19836	2.27	cps
Molybdenum	96-1	24048	24919	25590	24852	3.11	cps
Molybdenum	97-1	11925	12025	12409	12120	2.11	cps
Molybdenum	98-1	31055	31509	31980	31515	1.47	cps
Neodymium	150-1	140499	144474	144182	143052	1.55	cps
Neodymium	150-2	33989	34220	34507	34239	0.76	cps
Nickel	60-2	82641	83278	82631	82850	0.45	cps
Phosphorus	31-2	4401	4297	4424	4374	1.54	cps
Potassium	39-2	350588	355982	354102	353557	0.77	cps
Rhodium	103-1	5804049	5802502	5662306	5756286	1.41	cps
Rhodium	103-2	2151760	2132942	2123965	2136222	0.66	cps
Scandium	45-1	4709207	4639146	4722694	4690349	0.96	cps
Scandium	45-2	76653	76948	77142	76914	0.32	cps
Selenium	82-1	181	202	132	172	20.99	cps
Selenium	77-2	147	120	137	134	10.02	cps
Selenium	78-2	80	127	70	92	32.80	cps
Silicon	28-1	7454002	7639984	7665221	7586402	1.52	cps
Silver	107-1	74443	73893	74419	74252	0.42	cps
Silver	109-1	70111	70281	71487	70626	1.06	cps
Sodium	23-2	90693	92602	91293	91529	1.07	cps
Strontium	86-1	1266086	1284927	1305424	1285479	1.53	cps
Strontium	88-1	11779419	11738151	12001031	11839534	1.19	cps
Sulfur	34-1	214017	217816	219258	217030	1.25	cps
Terbium	159-1	8769387	8303654	8369530	8480857	2.97	cps
Terbium	159-2	2722613	2666517	2684820	2691316	1.06	cps
Thallium	203-1	10871	11088	11188	11049	1.47	cps
Thallium	205-1	26237	26681	26604	26507	0.90	cps
Tin	118-1	128186	130144	130561	129630	0.98	cps
Titanium	47-1	266190	270684	275326	270733	1.69	cps
Uranium	238-1	100195	100716	101679	100863	0.75	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-08	Instrumnet Name :	P8
Client Sample ID :	MH2GZ5	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:25:15	DataFile Name :	047AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	122999	122596	122643	122746	0.18	cps
Ytterbium	172-1	22960	22643	23090	22898	1.01	cps
Ytterbium	172-2	8966	9310	8866	9048	2.57	cps
Ytterbium	176-1	14548	15553	15145	15082	3.35	cps
Ytterbium	176-2	5708	6021	5875	5868	2.67	cps
Yttrium	89-1	13192744	13106676	13123666	13141029	0.35	cps
Yttrium	89-2	835839	828072	837396	833769	0.60	cps
Zinc	66-2	742799	746831	747453	745695	0.34	cps
Zirconium	90-1	40743	42230	42033	41669	1.94	cps
Zirconium	91-1	8870	9046	9136	9017	1.51	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-09	Instrumnet Name :	P8
Client Sample ID :	MH2H00	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:28:24	DataFile Name :	048AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	704137	697149	705025	702104	0.61	cps
Antimony	121-1	172125	175081	173040	173415	0.87	cps
Arsenic	75-2	38813	38593	38833	38747	0.34	cps
Barium	135-1	4398684	4414872	4553465	4455674	1.91	cps
Barium	137-1	7448506	7705549	7602864	7585640	1.71	cps
Beryllium	9-1	9975	9955	10141	10023	1.02	cps
Bismuth	209-1	4972540	4990833	4998671	4987348	0.27	cps
Bismuth	209-2	1922060	1902741	1931150	1918651	0.76	cps
Bromine	81-1	7392	7582	7545	7507	1.34	cps
Cadmium	108-1	3007	2804	3227	3013	7.03	cps
Cadmium	106-1	8159	7822	8079	8020	2.19	cps
Cadmium	111-1	33282	33953	34355	33863	1.60	cps
Calcium	43-1	4010213	4093227	4182834	4095425	2.11	cps
Calcium	44-1	64514081	65841149	66238939	65531390	1.38	cps
Carbon	12-1	3601298	3780081	3817661	3733013	3.10	cps
Carbon	12-2	25686	25659	25395	25580	0.63	cps
Chlorine	35-1	72108187	77417597	78956494	76160759	4.72	cps
Chlorine	35-2	291383	289014	292003	290800	0.54	cps
Chromium	52-2	497856	499470	499064	498797	0.17	cps
Cobalt	59-2	75334	75197	74644	75058	0.49	cps
Copper	63-2	3894300	3924968	3840331	3886533	1.10	cps
Dysprosium	156-1	77539	78002	79109	78217	1.03	cps
Dysprosium	156-2	22666	22956	22786	22803	0.64	cps
Erbium	164-1	60932	62003	62024	61653	1.01	cps
Erbium	164-2	19855	20326	20656	20279	1.99	cps
Gadolinium	160-1	66384	67235	67322	66980	0.77	cps
Gadolinium	160-2	26613	26850	26316	26593	1.01	cps
Holmium	165-1	8448656	8273426	8304666	8342249	1.12	cps
Holmium	165-2	2798246	2814427	2851130	2821267	0.96	cps
Indium	115-1	6476950	6619473	6431576	6509333	1.51	cps
Indium	115-2	591584	602330	596632	596849	0.90	cps
Iron	54-2	7534111	7411626	7470151	7471962	0.82	cps
Iron	56-2	139295361	137885501	136773295	137984719	0.92	cps
Iron	57-2	3528665	3505106	3559852	3531208	0.78	cps
Krypton	83-1	223	183	250	219	15.33	cps
Lead	206-1	36807202	37531552	37483981	37274245	1.09	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-09	Instrumnet Name :	P8
Client Sample ID :	MH2H00	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:28:24	DataFile Name :	048AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	30637245	30773855	30505517	30638872	0.44	cps
Lead	208-1	142485715	144399510	143522594	143469273	0.67	cps
Lithium	6-1	3708259	3741510	3739381	3729717	0.50	cps
Magnesium	24-2	2498353	2475107	2480983	2484814	0.49	cps
Manganese	55-2	6850911	6944360	6833658	6876310	0.87	cps
Molybdenum	94-1	98922	100775	100207	99968	0.95	cps
Molybdenum	95-1	76465	78332	78580	77792	1.49	cps
Molybdenum	96-1	91569	94713	95471	93918	2.20	cps
Molybdenum	97-1	48026	47548	48845	48140	1.36	cps
Molybdenum	98-1	121291	125259	126329	124293	2.14	cps
Neodymium	150-1	115862	117609	118470	117314	1.13	cps
Neodymium	150-2	28370	27989	28367	28242	0.77	cps
Nickel	60-2	84753	84489	84291	84511	0.27	cps
Phosphorus	31-2	5368	5408	5661	5479	2.90	cps
Potassium	39-2	390196	387121	390039	389119	0.45	cps
Rhodium	103-1	5736601	5831995	5755700	5774765	0.87	cps
Rhodium	103-2	2177940	2161806	2191547	2177098	0.68	cps
Scandium	45-1	4686064	4712435	4730357	4709619	0.47	cps
Scandium	45-2	76462	77236	77806	77168	0.87	cps
Selenium	82-1	364	418	294	359	17.27	cps
Selenium	77-2	120	130	107	119	9.84	cps
Selenium	78-2	80	107	67	84	24.12	cps
Silicon	28-1	59700076	61108686	61381534	60730099	1.49	cps
Silver	107-1	293166	293897	294286	293783	0.19	cps
Silver	109-1	276997	278082	283864	279648	1.32	cps
Sodium	23-2	167428	166797	167488	167238	0.23	cps
Strontium	86-1	1442257	1473273	1469436	1461655	1.16	cps
Strontium	88-1	12377805	12743665	12519049	12546840	1.47	cps
Sulfur	34-1	279187	285373	288449	284336	1.66	cps
Terbium	159-1	8493809	8392739	8470818	8452455	0.63	cps
Terbium	159-2	2751427	2778891	2673998	2734772	1.99	cps
Thallium	203-1	4818	4731	4648	4732	1.80	cps
Thallium	205-1	11475	11675	11495	11549	0.95	cps
Tin	118-1	226608	233006	229245	229619	1.40	cps
Titanium	47-1	717871	737315	736888	730691	1.52	cps
Uranium	238-1	200749	202342	200859	201317	0.44	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-09	Instrumnet Name :	P8
Client Sample ID :	MH2H00	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:28:24	DataFile Name :	048AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	133199	133730	133166	133365	0.24	cps
Ytterbium	172-1	19511	19498	19374	19461	0.39	cps
Ytterbium	172-2	7459	7739	7666	7621	1.91	cps
Ytterbium	176-1	12836	13497	13440	13258	2.76	cps
Ytterbium	176-2	5048	4921	5178	5049	2.54	cps
Yttrium	89-1	12900645	13199355	13128699	13076233	1.19	cps
Yttrium	89-2	826102	835826	832637	831522	0.60	cps
Zinc	66-2	2737204	2726820	2714798	2726274	0.41	cps
Zirconium	90-1	152063	156217	155071	154450	1.39	cps
Zirconium	91-1	33066	35512	34456	34345	3.57	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-10	Instrumnet Name :	P8
Client Sample ID :	MH2H01	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:31:34	DataFile Name :	049AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1517027	1522875	1545862	1528588	1.00	cps
Antimony	121-1	129479	130138	131855	130491	0.94	cps
Arsenic	75-2	37550	37189	37620	37453	0.62	cps
Barium	135-1	6305154	6300386	6376969	6327503	0.68	cps
Barium	137-1	10906328	10936862	10855669	10899620	0.38	cps
Beryllium	9-1	22006	22359	22116	22160	0.81	cps
Bismuth	209-1	4919828	4906850	4830118	4885599	0.99	cps
Bismuth	209-2	1843001	1813340	1814399	1823580	0.92	cps
Bromine	81-1	9844	10411	10327	10194	3.00	cps
Cadmium	108-1	2870	2764	2787	2807	2.00	cps
Cadmium	106-1	7569	7549	7502	7540	0.45	cps
Cadmium	111-1	33452	33686	34272	33803	1.25	cps
Calcium	43-1	4944793	5033925	5015487	4998069	0.94	cps
Calcium	44-1	79904990	81125904	80684577	80571824	0.77	cps
Carbon	12-1	3019586	3079864	3105113	3068188	1.43	cps
Carbon	12-2	20618	20428	20825	20623	0.96	cps
Chlorine	35-1	67042424	71234992	72453691	70243702	4.04	cps
Chlorine	35-2	263101	266474	267402	265659	0.85	cps
Chromium	52-2	112037	110267	110536	110947	0.86	cps
Cobalt	59-2	109480	107878	108862	108740	0.74	cps
Copper	63-2	4058082	4070471	4088802	4072452	0.38	cps
Dysprosium	156-1	123608	127111	125542	125420	1.40	cps
Dysprosium	156-2	36587	36313	37105	36668	1.10	cps
Erbium	164-1	105272	105655	105793	105573	0.26	cps
Erbium	164-2	34485	34114	34622	34407	0.76	cps
Gadolinium	160-1	108167	108974	108594	108578	0.37	cps
Gadolinium	160-2	42196	42688	42247	42377	0.64	cps
Holmium	165-1	8127342	8019533	8038891	8061922	0.71	cps
Holmium	165-2	2685052	2715456	2708437	2702981	0.59	cps
Indium	115-1	6344672	6251927	6248846	6281815	0.87	cps
Indium	115-2	563590	568254	566840	566228	0.42	cps
Iron	54-2	6693494	6550201	6639660	6627785	1.09	cps
Iron	56-2	122630178	121680792	121923022	122077997	0.40	cps
Iron	57-2	3132548	3099816	3145423	3125929	0.75	cps
Krypton	83-1	283	230	283	266	11.60	cps
Lead	206-1	50014359	50669604	50426466	50370143	0.66	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-10	Instrumnet Name :	P8
Client Sample ID :	MH2H01	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:31:34	DataFile Name :	049AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	41532274	41584810	41921774	41679620	0.51	cps
Lead	208-1	193364605	195666563	196498052	195176407	0.83	cps
Lithium	6-1	3616507	3620377	3618343	3618409	0.05	cps
Magnesium	24-2	1450682	1461021	1443204	1451636	0.62	cps
Manganese	55-2	5497715	5320090	5460683	5426163	1.73	cps
Molybdenum	94-1	104458	106319	105281	105353	0.88	cps
Molybdenum	95-1	72367	74642	73539	73516	1.55	cps
Molybdenum	96-1	89106	90022	91727	90285	1.47	cps
Molybdenum	97-1	45608	44665	46347	45540	1.85	cps
Molybdenum	98-1	116951	118087	117929	117656	0.52	cps
Neodymium	150-1	182858	184608	183934	183800	0.48	cps
Neodymium	150-2	42922	43176	42327	42808	1.02	cps
Nickel	60-2	88103	88345	87242	87897	0.66	cps
Phosphorus	31-2	6171	6265	6205	6214	0.76	cps
Potassium	39-2	369711	372363	370310	370795	0.38	cps
Rhodium	103-1	5544180	5448786	5519537	5504168	0.90	cps
Rhodium	103-2	2065437	2054188	2056629	2058751	0.29	cps
Scandium	45-1	4647679	4616816	4612423	4625640	0.42	cps
Scandium	45-2	74106	76344	75634	75362	1.52	cps
Selenium	82-1	371	472	362	402	15.26	cps
Selenium	77-2	210	143	113	156	31.80	cps
Selenium	78-2	113	110	93	106	10.15	cps
Silicon	28-1	42182794	42826284	42710038	42573039	0.81	cps
Silver	107-1	299344	304323	300850	301506	0.85	cps
Silver	109-1	284971	290051	289819	288280	1.00	cps
Sodium	23-2	462194	463108	460957	462086	0.23	cps
Strontium	86-1	2834089	2935761	2884609	2884820	1.76	cps
Strontium	88-1	24337166	24796578	24751421	24628389	1.03	cps
Sulfur	34-1	262733	264751	264361	263948	0.41	cps
Terbium	159-1	8184016	8081223	8051450	8105563	0.86	cps
Terbium	159-2	2672247	2635841	2669126	2659071	0.76	cps
Thallium	203-1	8783	8903	8813	8833	0.71	cps
Thallium	205-1	20944	20770	20854	20856	0.42	cps
Tin	118-1	310087	314669	315187	313314	0.90	cps
Titanium	47-1	1378684	1407149	1399633	1395155	1.06	cps
Uranium	238-1	372197	381018	376223	376479	1.17	cps

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	Q1178-10	Instrumnet Name :	P8
Client Sample ID :	MH2H01	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:31:34	DataFile Name :	049AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	169048	168691	167672	168470	0.42	cps
Ytterbium	172-1	38937	39051	40124	39371	1.66	cps
Ytterbium	172-2	14878	14782	15192	14951	1.44	cps
Ytterbium	176-1	25271	25394	25257	25308	0.30	cps
Ytterbium	176-2	9767	9920	9620	9769	1.54	cps
Yttrium	89-1	13430880	13436341	13336474	13401232	0.42	cps
Yttrium	89-2	853944	852097	856078	854039	0.23	cps
Zinc	66-2	2501346	2581311	2585674	2556110	1.86	cps
Zirconium	90-1	172704	178747	176140	175863	1.72	cps
Zirconium	91-1	38229	39526	38801	38852	1.67	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCV012	Instrumnet Name :	P8
Client Sample ID :	CCV012	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:34:39	DataFile Name :	050CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1091746	1088763	1074869	1085126	0.83	cps
Antimony	121-1	2825759	2835657	2806674	2822697	0.52	cps
Arsenic	75-2	51146	51430	50447	51007	0.99	cps
Barium	135-1	3719667	3673075	3718663	3703802	0.72	cps
Barium	137-1	6307557	6257875	6194800	6253410	0.90	cps
Beryllium	9-1	1049322	1045469	1044719	1046503	0.24	cps
Bismuth	209-1	3943203	3924616	3965699	3944506	0.52	cps
Bismuth	209-2	1458349	1458717	1457683	1458250	0.04	cps
Bromine	81-1	4677	4584	4561	4607	1.34	cps
Cadmium	108-1	57000	57034	56492	56842	0.53	cps
Cadmium	106-1	83205	84110	83463	83593	0.56	cps
Cadmium	111-1	712681	723071	718600	718117	0.73	cps
Calcium	43-1	5204423	5162378	5057797	5141533	1.47	cps
Calcium	44-1	83381267	83855702	82719032	83318667	0.69	cps
Carbon	12-1	1557933	1580985	1604227	1581049	1.46	cps
Carbon	12-2	11651	11561	11795	11669	1.01	cps
Chlorine	35-1	3670198	3361848	3143013	3391686	7.81	cps
Chlorine	35-2	9967	9573	8889	9477	5.75	cps
Chromium	52-2	524783	524215	517411	522137	0.79	cps
Cobalt	59-2	1047320	1052351	1041899	1047190	0.50	cps
Copper	63-2	7322239	7223407	7197813	7247820	0.91	cps
Dysprosium	156-1	393	393	377	388	2.48	cps
Dysprosium	156-2	17	43	43	34	44.69	cps
Erbium	164-1	187	220	143	183	20.97	cps
Erbium	164-2	63	47	60	57	15.56	cps
Gadolinium	160-1	120	193	117	143	30.23	cps
Gadolinium	160-2	53	87	67	69	24.36	cps
Holmium	165-1	6852276	7028425	7069676	6983459	1.65	cps
Holmium	165-2	2433352	2447950	2407663	2429655	0.84	cps
Indium	115-1	5101750	5170299	5211065	5161038	1.07	cps
Indium	115-2	482351	482686	480685	481907	0.22	cps
Iron	54-2	5574991	5578017	5451047	5534685	1.31	cps
Iron	56-2	102913702	101388488	101075908	101792700	0.97	cps
Iron	57-2	2627292	2639700	2607756	2624916	0.61	cps
Krypton	83-1	87	107	113	102	13.57	cps
Lead	206-1	11188030	11432189	11346258	11322159	1.09	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCV012	Instrumnet Name :	P8
Client Sample ID :	CCV012	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:34:39	DataFile Name :	050CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	9708436	9899470	9715808	9774571	1.11	cps
Lead	208-1	44852549	45163888	44919857	44978765	0.36	cps
Lithium	6-1	2904121	2953158	2944905	2934061	0.89	cps
Magnesium	24-2	19062728	18869510	18672647	18868295	1.03	cps
Manganese	55-2	2371631	2388488	2318784	2359634	1.54	cps
Molybdenum	94-1	10502978	10382391	10306237	10397202	0.95	cps
Molybdenum	95-1	14953398	14941195	15026929	14973841	0.31	cps
Molybdenum	96-1	16301273	16174661	16233682	16236539	0.39	cps
Molybdenum	97-1	9197536	9155915	9157881	9170444	0.26	cps
Molybdenum	98-1	24479830	24285085	24051893	24272270	0.88	cps
Neodymium	150-1	447	467	470	461	2.74	cps
Neodymium	150-2	30	23	33	29	17.63	cps
Nickel	60-2	276729	277977	274731	276479	0.59	cps
Phosphorus	31-2	9647	10040	9613	9767	2.43	cps
Potassium	39-2	5628966	5600912	5537729	5589202	0.84	cps
Rhodium	103-1	4500724	4560300	4611967	4557664	1.22	cps
Rhodium	103-2	1708136	1689444	1669057	1688879	1.16	cps
Scandium	45-1	3715592	3724026	3757260	3732293	0.59	cps
Scandium	45-2	62532	63094	61822	62483	1.02	cps
Selenium	82-1	47081	47420	47335	47279	0.37	cps
Selenium	77-2	747	750	690	729	4.63	cps
Selenium	78-2	2450	2260	2407	2372	4.20	cps
Silicon	28-1	15777823	15732194	15576592	15695536	0.67	cps
Silver	107-1	3799367	3820953	3813166	3811162	0.29	cps
Silver	109-1	3628427	3652044	3704103	3661525	1.06	cps
Sodium	23-2	37623847	37965271	37893169	37827429	0.48	cps
Strontium	86-1	980038	998810	988756	989201	0.95	cps
Strontium	88-1	8943689	8955671	9053360	8984240	0.67	cps
Sulfur	34-1	478145	477644	476044	477278	0.23	cps
Terbium	159-1	6952695	7060021	7182107	7064941	1.62	cps
Terbium	159-2	2368390	2353395	2330576	2350787	0.81	cps
Thallium	203-1	2869499	2970160	2964492	2934717	1.93	cps
Thallium	205-1	6907237	7013358	6891615	6937403	0.95	cps
Tin	118-1	2464631	2413218	2418400	2432083	1.16	cps
Titanium	47-1	4448499	4480230	4357676	4428802	1.44	cps
Uranium	238-1	9360355	9301585	9321454	9327798	0.32	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCV012	Instrumnet Name :	P8
Client Sample ID :	CCV012	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:34:39	DataFile Name :	050CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	419223	416566	410355	415381	1.10	cps
Ytterbium	172-1	213	200	200	204	3.77	cps
Ytterbium	172-2	73	60	60	64	11.94	cps
Ytterbium	176-1	13801	13847	14271	13973	1.86	cps
Ytterbium	176-2	4624	4561	4708	4631	1.59	cps
Yttrium	89-1	9637606	9635254	9870035	9714298	1.39	cps
Yttrium	89-2	641658	646009	643243	643637	0.34	cps
Zinc	66-2	780873	774632	770228	775244	0.69	cps
Zirconium	90-1	5243321	5215453	5226726	5228500	0.27	cps
Zirconium	91-1	1094611	1097143	1098918	1096890	0.20	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCB012	Instrumnet Name :	P8
Client Sample ID :	CCB012	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:46:37	DataFile Name :	051CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17	23	20	20	16.65	cps
Antimony	121-1	157	143	110	137	17.59	cps
Arsenic	75-2	0	0	3	1	173.21	cps
Barium	135-1	360	387	393	380	4.64	cps
Barium	137-1	653	603	673	643	5.61	cps
Beryllium	9-1	205	185	192	194	5.20	cps
Bismuth	209-1	4554578	4558565	4558917	4557354	0.05	cps
Bismuth	209-2	1827547	1811209	1839937	1826231	0.79	cps
Bromine	81-1	4264	4001	4427	4231	5.09	cps
Cadmium	108-1	10	0	13	8	89.21	cps
Cadmium	106-1	2957	2974	2967	2966	0.28	cps
Cadmium	111-1	2086	2102	2104	2097	0.46	cps
Calcium	43-1	207	240	207	218	8.84	cps
Calcium	44-1	3257	3037	3047	3114	3.99	cps
Carbon	12-1	1238302	1233016	1213838	1228385	1.05	cps
Carbon	12-2	8222	8036	7916	8058	1.92	cps
Chlorine	35-1	598018	582471	569867	583452	2.42	cps
Chlorine	35-2	2064	1953	1970	1996	2.97	cps
Chromium	52-2	260	230	243	244	6.15	cps
Cobalt	59-2	63	83	47	64	28.48	cps
Copper	63-2	1153	1203	1057	1138	6.55	cps
Dysprosium	156-1	133	177	180	163	15.94	cps
Dysprosium	156-2	0	3	7	3	100.05	cps
Erbium	164-1	23	43	27	31	34.44	cps
Erbium	164-2	13	13	23	17	34.65	cps
Gadolinium	160-1	27	17	20	21	24.12	cps
Gadolinium	160-2	3	0	7	3	100.05	cps
Holmium	165-1	7127529	7165969	7184721	7159406	0.41	cps
Holmium	165-2	2520248	2540954	2488107	2516436	1.06	cps
Indium	115-1	5613744	5634901	5630520	5626388	0.20	cps
Indium	115-2	528731	523997	527894	526874	0.48	cps
Iron	54-2	340	287	237	288	17.96	cps
Iron	56-2	4034	4444	4384	4287	5.17	cps
Iron	57-2	87	107	113	102	13.58	cps
Krypton	83-1	67	83	63	71	15.07	cps
Lead	206-1	1407	1297	1257	1320	5.88	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCB012	Instrumnet Name :	P8
Client Sample ID :	CCB012	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:46:37	DataFile Name :	051CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1113	1180	1203	1166	4.01	cps
Lead	208-1	5094	5250	5124	5156	1.61	cps
Lithium	6-1	2932354	2924028	2945124	2933835	0.36	cps
Magnesium	24-2	370	427	410	402	7.24	cps
Manganese	55-2	297	260	240	266	10.82	cps
Molybdenum	94-1	303	230	210	248	19.83	cps
Molybdenum	95-1	203	223	223	217	5.33	cps
Molybdenum	96-1	243	237	253	244	3.43	cps
Molybdenum	97-1	87	93	127	102	20.97	cps
Molybdenum	98-1	263	340	313	306	12.74	cps
Neodymium	150-1	20	10	17	16	32.73	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	473	553	563	530	9.31	cps
Phosphorus	31-2	33	43	17	31	43.29	cps
Potassium	39-2	2510	2487	2400	2466	2.35	cps
Rhodium	103-1	5180384	5162710	5168375	5170490	0.17	cps
Rhodium	103-2	1953287	1955477	1956424	1955063	0.08	cps
Scandium	45-1	3736938	3766523	3727886	3743783	0.54	cps
Scandium	45-2	61996	62023	61943	61987	0.07	cps
Selenium	82-1	-10	-3	13	0	16383.83	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	3	10	0	4	114.60	cps
Silicon	28-1	184210	184845	183208	184088	0.45	cps
Silver	107-1	157	113	133	134	16.13	cps
Silver	109-1	110	107	93	103	8.54	cps
Sodium	23-2	5731	5921	5905	5852	1.80	cps
Strontium	86-1	157	177	160	164	6.52	cps
Strontium	88-1	327	287	273	296	9.39	cps
Sulfur	34-1	150829	151715	153392	151979	0.86	cps
Terbium	159-1	7356777	7344411	7336541	7345910	0.14	cps
Terbium	159-2	2440891	2465772	2442917	2449860	0.56	cps
Thallium	203-1	323	283	323	310	7.45	cps
Thallium	205-1	743	703	767	738	4.34	cps
Tin	118-1	640	1147	657	815	35.38	cps
Titanium	47-1	93	93	100	96	4.03	cps
Uranium	238-1	83	67	43	64	31.18	cps

Reviewed By:Mohan
On:2/7/2025 11:30:08 AM
Inst Id :P8

LB Number :	LB134543	Operator :	Jaswal
Lab Sample ID :	CCB012	Instrumnet Name :	P8
Client Sample ID :	CCB012	Dilution Factor :	1
Date & Time Acquired :	2025-01-31 17:46:37	DataFile Name :	051CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	0	0	10	3	173.21	cps
Ytterbium	172-1	50	43	30	41	24.77	cps
Ytterbium	172-2	27	27	13	22	34.66	cps
Ytterbium	176-1	920	817	903	880	6.30	cps
Ytterbium	176-2	133	103	123	120	12.73	cps
Yttrium	89-1	10023766	9990000	10112366	10042044	0.63	cps
Yttrium	89-2	651887	650471	662880	655079	1.04	cps
Zinc	66-2	147	207	157	170	18.91	cps
Zirconium	90-1	347	410	310	356	14.23	cps
Zirconium	91-1	73	110	53	79	36.43	cps

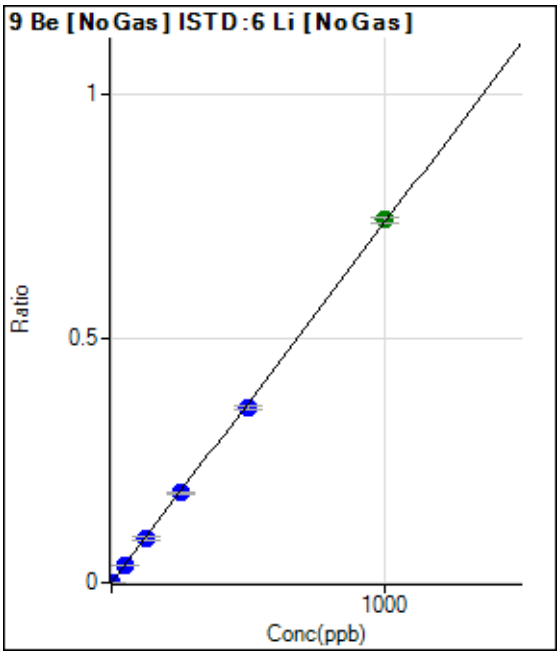
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

Calibration for 010CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P8020325MS.b\
Analysis File: P8020325MS.batch.bin
DA Date-Time: 2025-02-05 12:54:14
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2025-02-03 15:40:45
2	005CALS.d	S02	2025-02-03 15:44:12
3	006CALB.d	S03	2025-02-03 15:47:42
4	007CALS.d	S04	2025-02-03 15:51:07
5	008CALS.d	S05	2025-02-03 15:54:26
6	009CALS.d	S06	2025-02-03 15:57:36
7	010CALS.d	S07	2025-02-03 16:00:42
8	011CALS.d	S08	2025-02-03 16:03:43

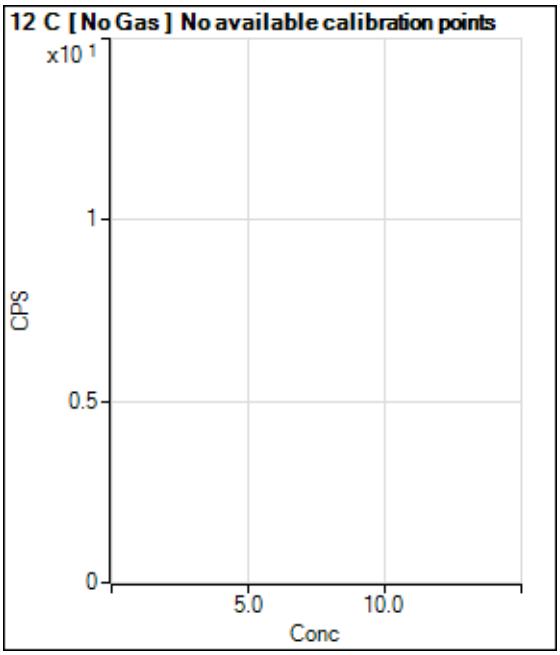
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	123.32	0.0001	P	16.3
2	☐	1.000	1.038	1215.32	0.0008	P	3.3
3	☐	50.000	48.224	51734.02	0.0356	P	1.5
4	☐	125.000	121.585	128831.57	0.0896	P	6.8
5	☐	250.000	249.539	252405.47	0.1839	P	2.0
6	☐	500.000	484.731	490050.92	0.3571	P	2.0
7	☐	1000.000	1008.266	1009872.19	0.7427	A	1.4
8	☐			478.70	0.0004	P	6.4

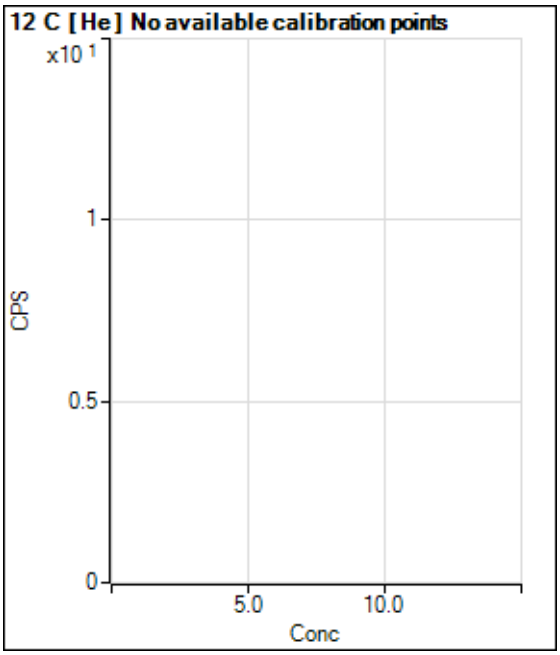
y = 7.3648E-004 * x + 8.5539E-005
R = 0.9998
DL = 0.05694
BEC = 0.1161

Weight: <None>
Min Conc: 0

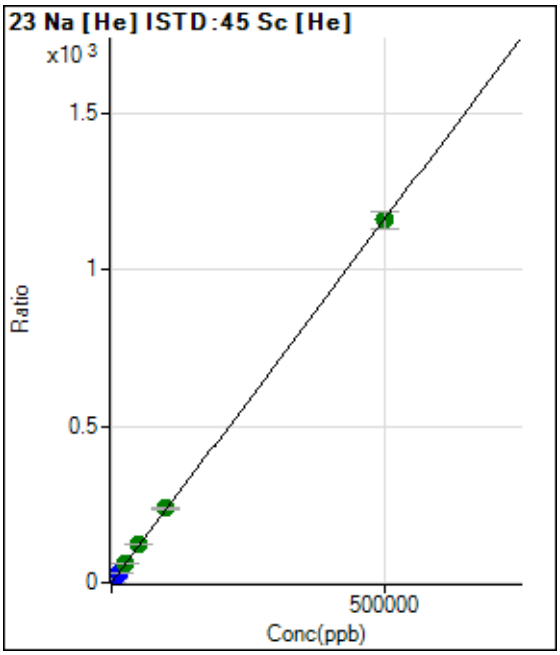


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			781624.23		P	0.4
2	☐			828056.89		P	0.5
3	☐			813525.89		P	0.2
4	☐			765060.57		M	7.7
5	☐			755597.29		A	0.6
6	☐			801656.74		A	2.2
7	☐			939198.71		A	3.6
8	☐			766852.85		M	6.2

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			4559.64		P	2.3
2	☐			4815.27		P	1.3
3	☐			4522.96		P	3.2
4	☐			5076.48		P	2.1
5	☐			5286.56		P	0.6
6	☐			5884.57		P	1.0
7	☐			7020.63		P	0.2
8	☐			6003.50		P	3.0

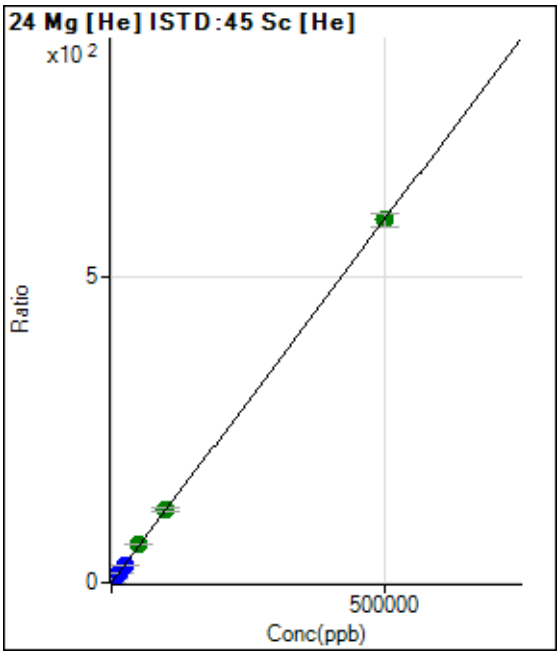


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	11195.48	0.3186	P	4.0
2	☐	500.000	513.001	52354.52	1.5109	P	3.4
3	☐	5000.000	5451.746	407222.92	12.9885	P	10.6
4	☐	12500.000	12435.313	997797.51	29.2183	P	1.4
5	☐	25000.000	25977.635	2098662.29	60.6907	A	1.2
6	☐	50000.000	53002.344	4097503.45	123.4962	A	1.0
7	☐	100000.00	101963.45	8161250.36	237.2819	A	4.7
8	☐	500000.00	499255.28	32095323.9	1,160.588	A	4.6

y = 0.0023 * x + 0.3186
R = 1.0000
DL = 16.4
BEC = 137.1

Weight: <None>
Min Conc: 0

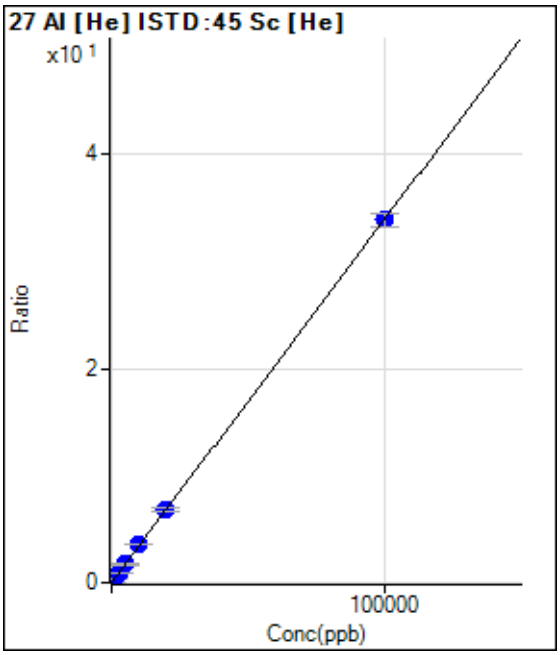
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	507.79	0.0145	P	6.3
2	☐	500.000	535.787	22565.31	0.6514	P	4.8
3	☐	5000.000	5466.593	204218.93	6.5132	P	10.6
4	☐	12500.000	12456.343	506159.93	14.8228	P	2.0
5	☐	25000.000	24246.217	997224.86	28.8388	P	1.4
6	☐	50000.000	52772.364	2081924.99	62.7513	A	1.6
7	☐	100000.00	100422.88	4106614.76	119.3991	A	4.8
8	☐	500000.00	499672.26	16429335.1	594.0344	A	3.9

y = 0.0012 * x + 0.0145
R = 1.0000
DL = 2.296
BEC = 12.16

Weight: <None>
Min Conc: 0

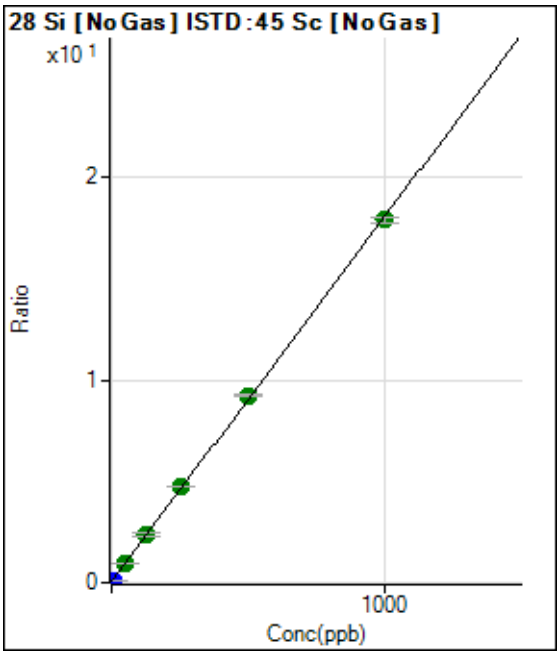


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5.56	0.0002	P	91.1
2	☐	20.000	22.327	267.78	0.0077	P	5.9
3	☐	1000.000	1121.252	11918.31	0.3800	P	10.2
4	☐	2500.000	2541.670	29408.63	0.8613	P	2.4
5	☐	5000.000	5046.366	59123.82	1.7099	P	2.2
6	☐	10000.000	10428.845	117232.74	3.5334	P	1.1
7	☐	20000.000	20160.051	234953.50	6.8303	P	4.3
8	☐	100000.00	99920.532	936301.87	33.8531	P	3.8

y = 3.3880E-004 * x + 1.5704E-004
R = 1.0000
DL = 1.266
BEC = 0.4635

Weight: <None>
Min Conc: 0

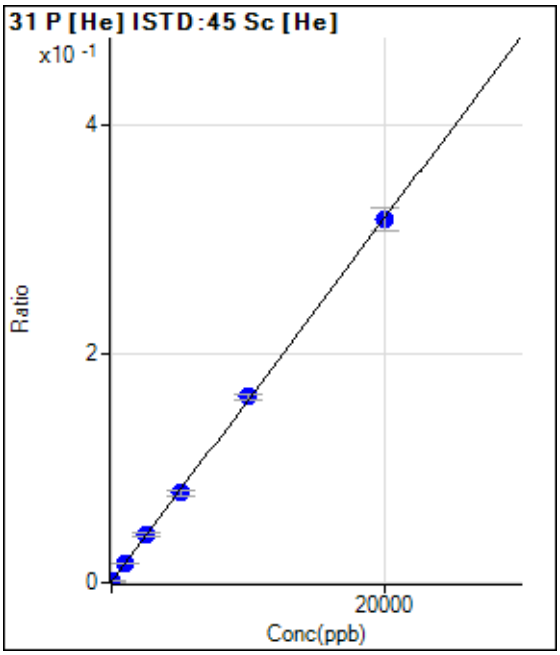
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	118842.56	0.0538	P	0.7
2	☐	10.000	0.391	133661.58	0.0609	P	1.9
3	☐	50.000	50.343	2150870.54	0.9595	A	3.4
4	☐	125.000	127.353	5238788.88	2.3450	A	7.1
5	☐	250.000	260.486	10144247.4	4.7401	A	1.3
6	☐	500.000	510.445	19902687.9	9.2370	A	1.2
7	☐	1000.000	991.941	39272683.5	17.8994	A	1.7
8	☐			160728.45	0.0866	P	5.1

y = 0.0180 * x + 0.0538
R = 0.9998
DL = 0.06209
BEC = 2.992

Weight: <None>
Min Conc: 0

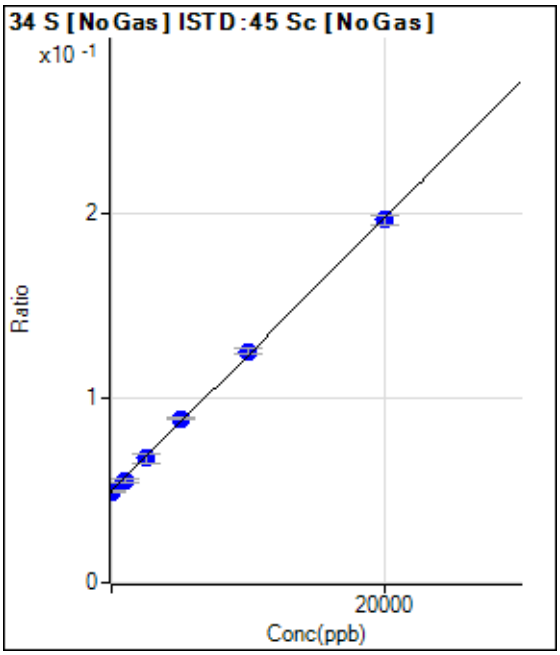


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-27.486	11.11	0.0003	P	92.3
2	☐	0.000	27.486	41.11	0.0012	P	27.1
3	☐	1000.000	1002.980	524.46	0.0167	P	8.6
4	☐	2500.000	2602.509	1436.75	0.0421	P	5.5
5	☐	5000.000	4912.318	2722.50	0.0788	P	6.2
6	☐	10000.000	10205.614	5402.17	0.1628	P	3.0
7	☐	20000.000	19906.151	10893.06	0.3169	P	6.3
8	☐			17.78	0.0006	P	8.1

y = 1.5880E-005 * x + 7.5214E-004
R = 0.9999
DL = 57.93
BEC = 47.36

Weight: <None>
Min Conc: 0

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	31.821	109509.89	0.0496	P	0.4
2	☐	0.000	-31.821	107876.62	0.0491	P	2.1
3	☐	1000.000	826.608	124357.92	0.0555	P	3.5
4	☐	2500.000	2401.815	149986.76	0.0671	P	7.1
5	☐	5000.000	5319.851	189893.49	0.0887	P	1.5
6	☐	10000.000	10233.983	269517.11	0.1251	P	2.0
7	☐	20000.000	19823.988	430157.10	0.1961	P	2.4
8	☐			94533.50	0.0510	P	0.5

y = 7.4003E-006 * x + 0.0494

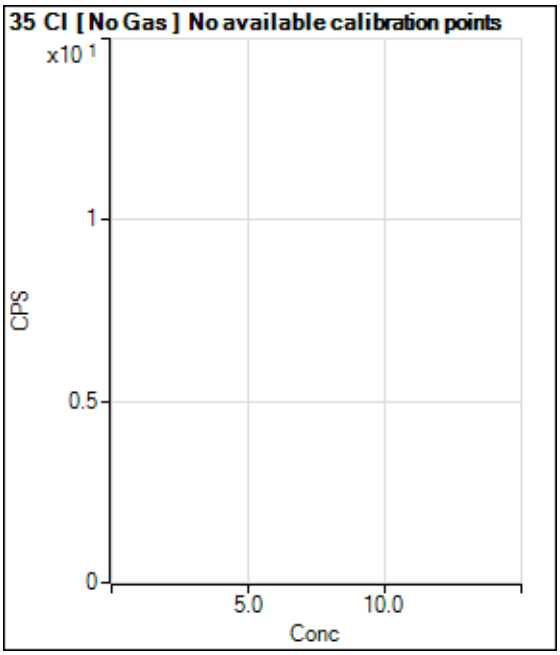
R = 0.9996

DL = 250.2

BEC = 6670

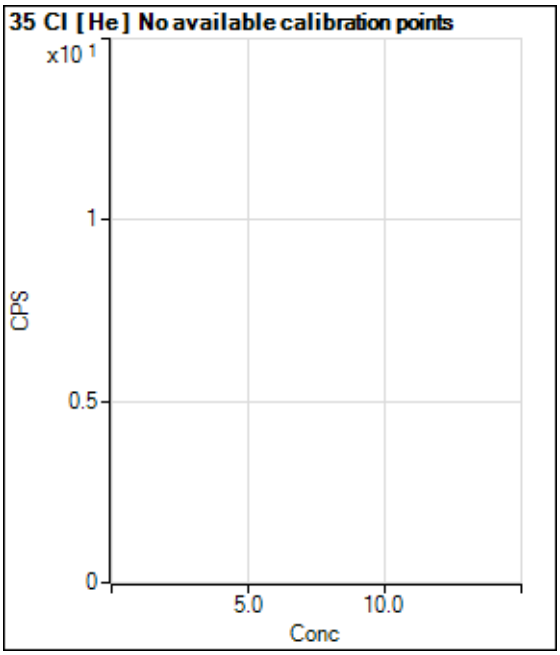
Weight: <None>

Min Conc: 0

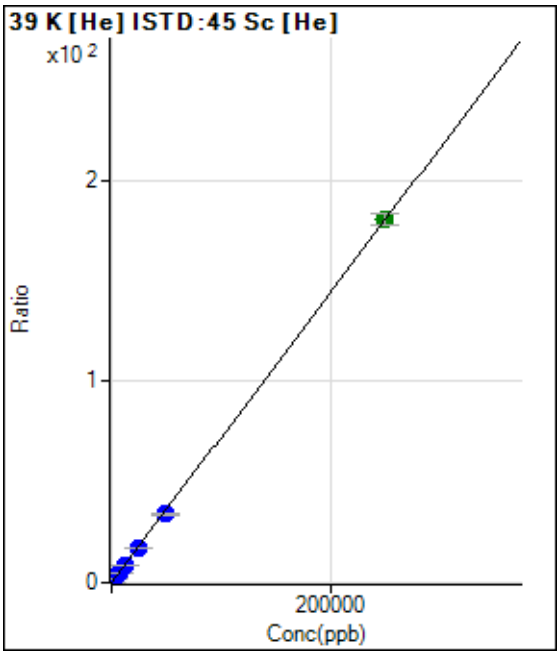


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			144995.15		P	0.6
2	☐			141578.18		P	0.1
3	☐			137511.36		P	0.8
4	☐			135089.87		P	0.7
5	☐			133037.74		P	0.1
6	☐			132927.88		P	1.0
7	☐			135734.80		P	1.2
8	☐			107580.35		P	3.9

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			517.79		P	6.7
2	☐			570.02		P	4.2
3	☐			513.35		P	3.6
4	☐			517.79		P	8.2
5	☐			523.35		P	8.6
6	☐			507.79		P	1.7
7	☐			515.57		P	4.9
8	☐			377.79		P	4.2

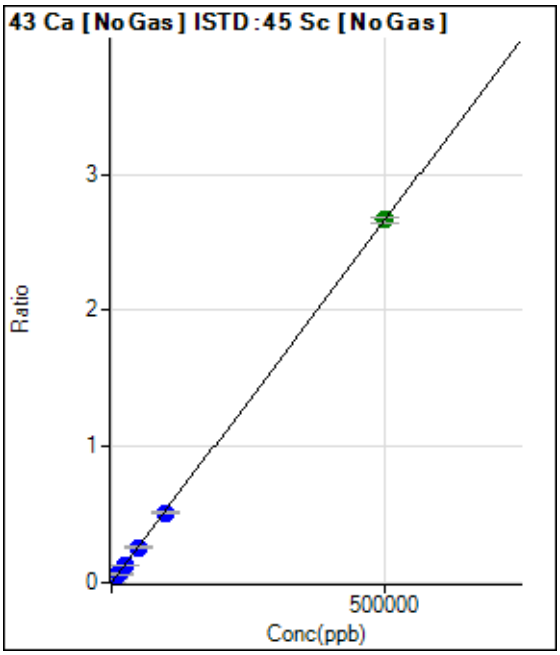


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3338.20	0.0950	P	4.5
2	☐	500.000	497.963	15701.97	0.4531	P	3.0
3	☐	2500.000	2648.906	62668.47	2.0001	P	11.6
4	☐	6250.000	6003.622	150684.58	4.4129	P	2.1
5	☐	12500.000	11675.998	293667.77	8.4925	P	1.2
6	☐	25000.000	24236.505	581493.71	17.5261	P	0.8
7	☐	50000.000	47200.428	1170878.48	34.0420	P	4.7
8	☐	250000.00	250682.13	4989548.64	180.3878	A	3.2

y = 7.1921E-004 * x + 0.0950
R = 0.9999
DL = 17.7
BEC = 132.1

Weight: <None>
Min Conc: 0

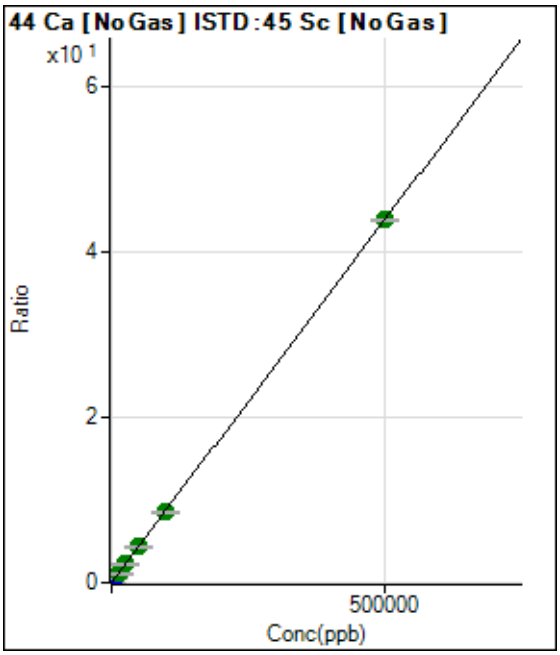
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	184.45	0.0001	P	15.4
2	☐	500.000	536.275	6450.39	0.0029	P	3.7
3	☐	5000.000	4722.461	56542.73	0.0252	P	2.5
4	☐	12500.000	11978.779	142594.66	0.0638	P	7.5
5	☐	25000.000	24853.222	283258.34	0.1324	P	1.8
6	☐	50000.000	48705.679	558694.78	0.2593	P	2.0
7	☐	100000.00	95910.320	1120120.23	0.5106	P	2.4
8	☐	500000.00	500970.47	4941841.25	2.6664	A	1.5

y = 5.3224E-006 * x + 8.3557E-005
R = 1.0000
DL = 7.258
BEC = 15.7

Weight: <None>
Min Conc: 0

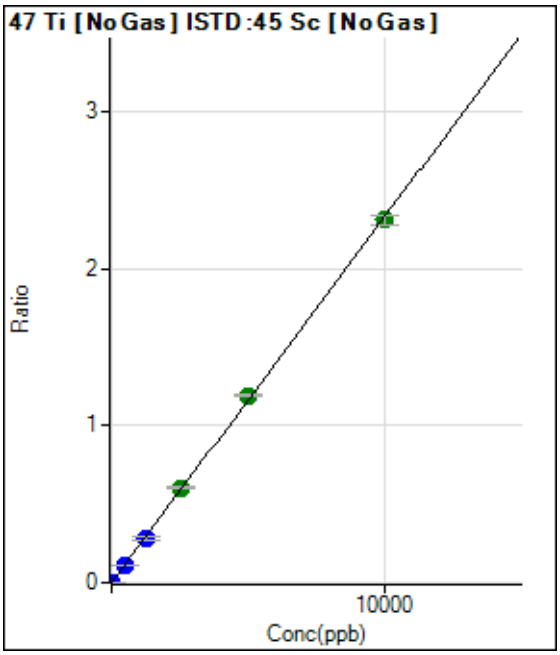


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2013.49	0.0009	P	5.2
2	☐	500.000	518.626	101780.01	0.0463	P	1.2
3	☐	5000.000	4686.865	922455.30	0.4115	P	2.8
4	☐	12500.000	12254.272	2398954.13	1.0743	A	8.4
5	☐	25000.000	25335.773	4751581.25	2.2202	A	1.6
6	☐	50000.000	49210.156	9289443.47	4.3115	A	1.9
7	☐	100000.00	97789.688	18793367.6	8.5669	A	3.3
8	☐	500000.00	500513.51	81257971.0	43.8437	A	0.6

y = 8.7596E-005 * x + 9.1200E-004
R = 1.0000
DL = 1.628
BEC = 10.41

Weight: <None>
Min Conc: 0

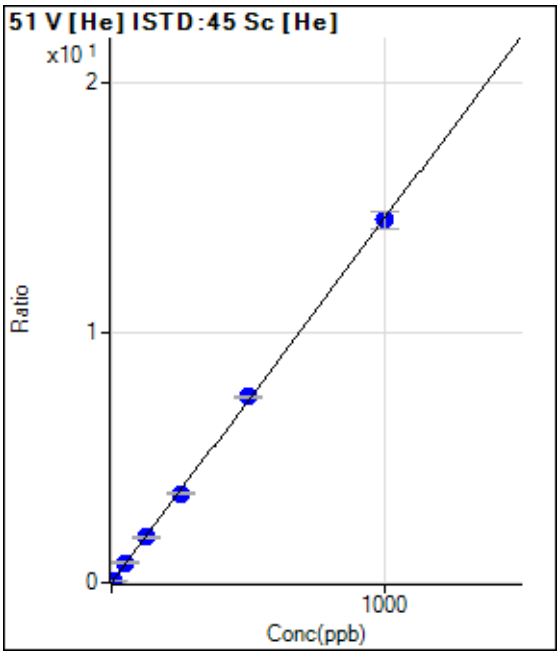
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	45.56	0.0000	P	41.7
2	☐	5.000	5.283	2745.85	0.0013	P	5.1
3	☐	500.000	473.682	247289.23	0.1103	P	3.2
4	☐	1250.000	1202.745	625623.90	0.2801	P	7.3
5	☐	2500.000	2592.323	1291792.27	0.6036	A	2.2
6	☐	5000.000	5120.384	2569040.12	1.1922	A	1.0
7	☐	10000.000	9923.950	5069355.31	2.3107	A	2.8
8	☐			906.71	0.0005	P	7.2

y = 2.3284E-004 * x + 2.0634E-005
R = 0.9998
DL = 0.1108
BEC = 0.08862

Weight: <None>
Min Conc: 0

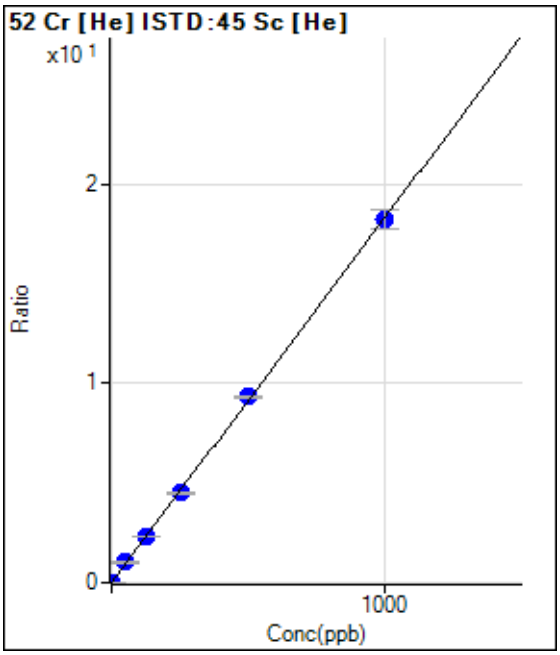


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3.33	0.0001	P	173.2
2	☐	5.000	5.174	2620.27	0.0756	P	4.3
3	☐	50.000	54.710	25036.46	0.7983	P	10.1
4	☐	125.000	124.284	61919.61	1.8134	P	2.3
5	☐	250.000	245.085	123655.06	3.5758	P	0.7
6	☐	500.000	510.181	246966.72	7.4435	P	0.6
7	☐	1000.000	995.992	499841.91	14.5314	P	4.5
8	☐			124.45	0.0045	P	7.6

y = 0.0146 * x + 9.5679E-005
R = 0.9999
DL = 0.03408
BEC = 0.006558

Weight: <None>
Min Conc: 0

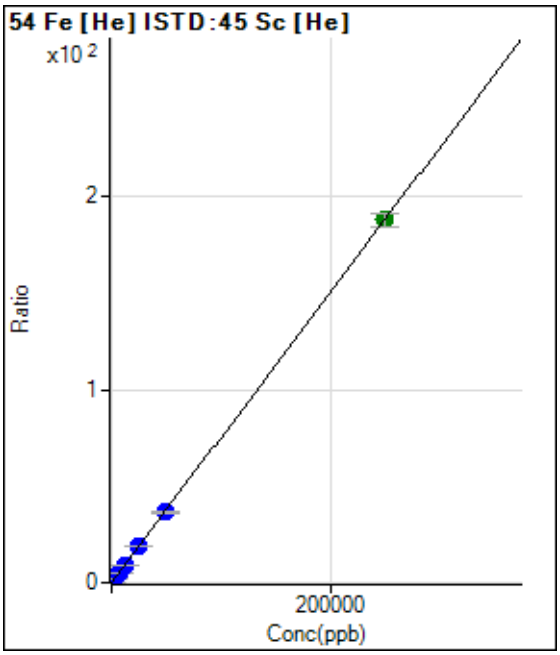
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	172.23	0.0049	P	29.2
2	☐	2.000	2.079	1485.65	0.0429	P	8.8
3	☐	50.000	55.391	31904.46	1.0178	P	10.9
4	☐	125.000	126.171	78948.36	2.3121	P	2.3
5	☐	250.000	246.366	155957.78	4.5100	P	1.1
6	☐	500.000	509.981	309564.97	9.3304	P	1.2
7	☐	1000.000	995.502	626199.38	18.2087	P	5.2
8	☐			1266.74	0.0458	P	1.2

y = 0.0183 * x + 0.0049
R = 0.9999
DL = 0.2352
BEC = 0.2685

Weight: <None>
Min Conc: 0

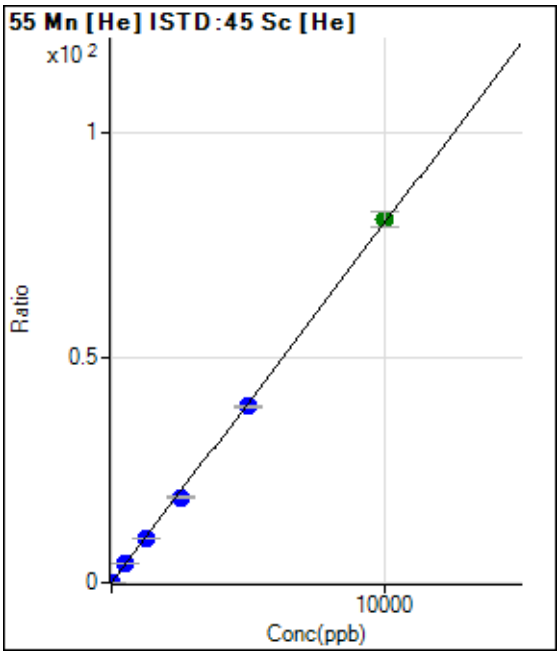


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	201.11	0.0057	P	6.2
2	☐	50.000	53.821	1599.00	0.0462	P	5.3
3	☐	2500.000	2754.058	65088.34	2.0756	P	10.3
4	☐	6250.000	6244.624	160464.84	4.6990	P	1.8
5	☐	12500.000	12185.292	316900.86	9.1639	P	0.5
6	☐	25000.000	25041.718	624635.48	18.8264	P	0.7
7	☐	50000.000	48504.083	1254028.04	36.4601	P	4.7
8	☐	250000.00	250308.34	5203180.86	188.1311	A	3.8

y = 7.5157E-004 * x + 0.0057
R = 1.0000
DL = 1.411
BEC = 7.61

Weight: <None>
Min Conc: 0

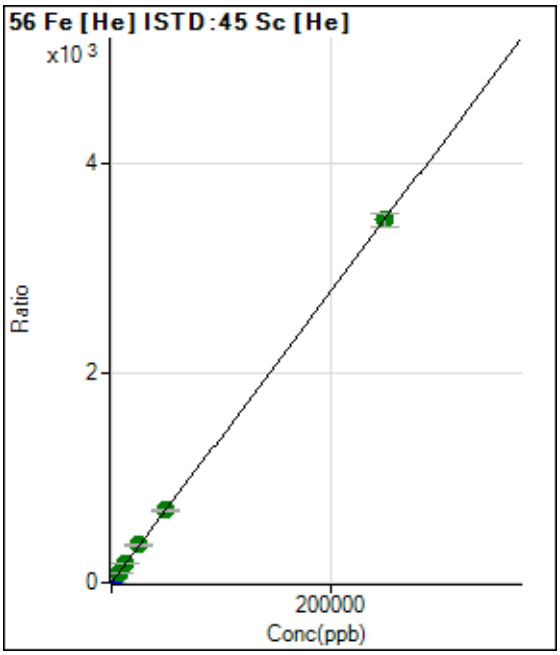
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	337.79	0.0096	P	5.2
2	☐	1.000	0.783	550.02	0.0159	P	7.9
3	☐	500.000	533.836	133899.27	4.2687	P	9.9
4	☐	1250.000	1217.373	331997.07	9.7222	P	1.8
5	☐	2500.000	2377.094	656151.20	18.9749	P	1.1
6	☐	5000.000	4891.606	1295185.33	39.0366	P	0.8
7	☐	10000.000	10087.310	2768743.01	80.4897	A	4.4
8	☐			1048.94	0.0379	P	6.7

y = 0.0080 * x + 0.0096
R = 0.9998
DL = 0.1865
BEC = 1.205

Weight: <None>
Min Conc: 0

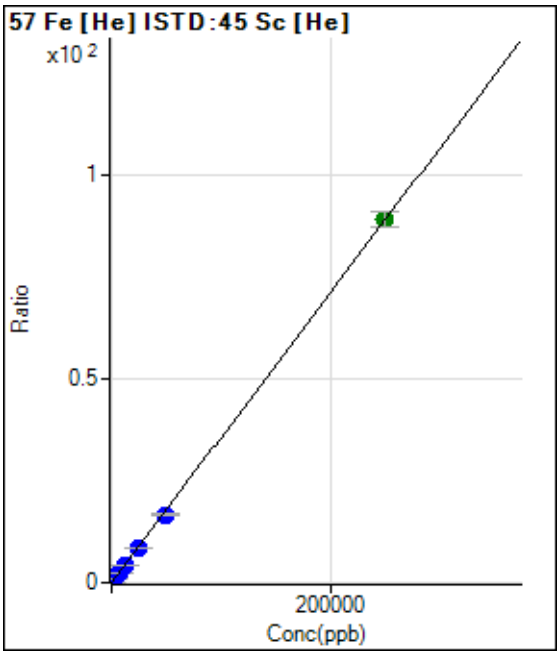


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3381.54	0.0962	P	3.3
2	☐	50.000	52.385	28486.24	0.8223	P	4.1
3	☐	2500.000	2718.132	1184248.66	37.7700	P	10.5
4	☐	6250.000	6483.812	3071930.89	89.9629	A	2.1
5	☐	12500.000	12659.553	6070791.37	175.5596	A	1.2
6	☐	25000.000	25900.201	11913587.1	359.0771	A	1.1
7	☐	50000.000	49766.529	23731447.9	689.8682	A	4.2
8	☐	250000.00	249940.66	95811568.5	3,464.313	A	3.9

y = 0.0139 * x + 0.0962
R = 1.0000
DL = 0.6843
BEC = 6.943

Weight: <None>
Min Conc: 0

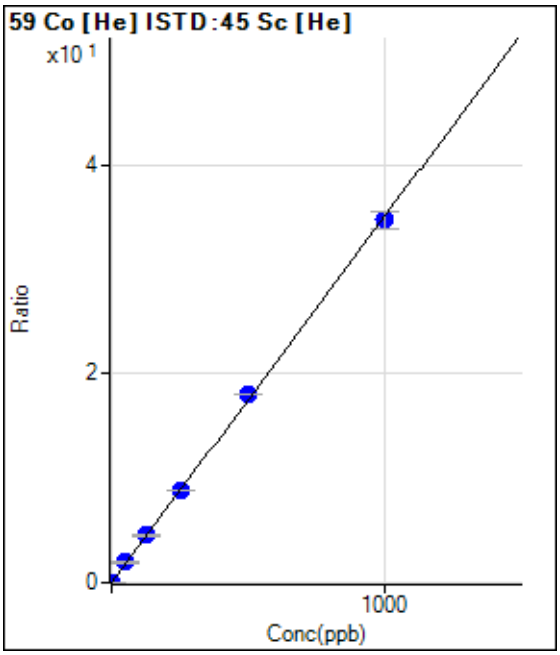
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	72.22	0.0021	P	22.4
2	☐	50.000	54.280	738.92	0.0213	P	5.2
3	☐	2500.000	2644.165	29510.57	0.9410	P	10.3
4	☐	6250.000	6062.591	73587.22	2.1550	P	2.0
5	☐	12500.000	11871.339	145850.02	4.2178	P	1.2
6	☐	25000.000	24413.752	287713.89	8.6718	P	1.1
7	☐	50000.000	47157.264	576098.53	16.7484	P	4.5
8	☐	250000.00	250661.84	2461797.29	89.0165	A	4.2

y = 3.5512E-004 * x + 0.0021
R = 0.9999
DL = 3.892
BEC = 5.791

Weight: <None>
Min Conc: 0

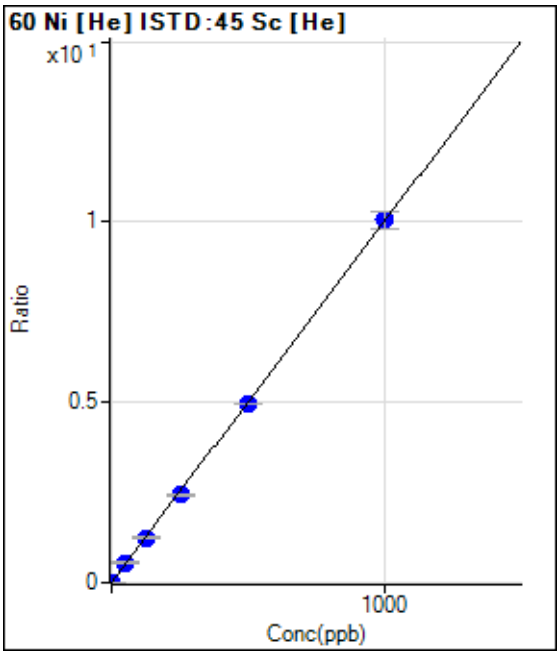


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	63.33	0.0018	P	12.4
2	☐	1.000	1.033	1315.63	0.0380	P	6.3
3	☐	50.000	56.581	62236.23	1.9849	P	10.5
4	☐	125.000	129.432	154965.55	4.5382	P	2.1
5	☐	250.000	252.039	305535.59	8.8355	P	0.8
6	☐	500.000	514.313	598136.19	18.0278	P	0.7
7	☐	1000.000	991.450	1195293.72	34.7508	P	4.6
8	☐			2123.52	0.0767	P	2.4

y = 0.0350 * x + 0.0018
R = 0.9998
DL = 0.0191
BEC = 0.05135

Weight: <None>
Min Conc: 0

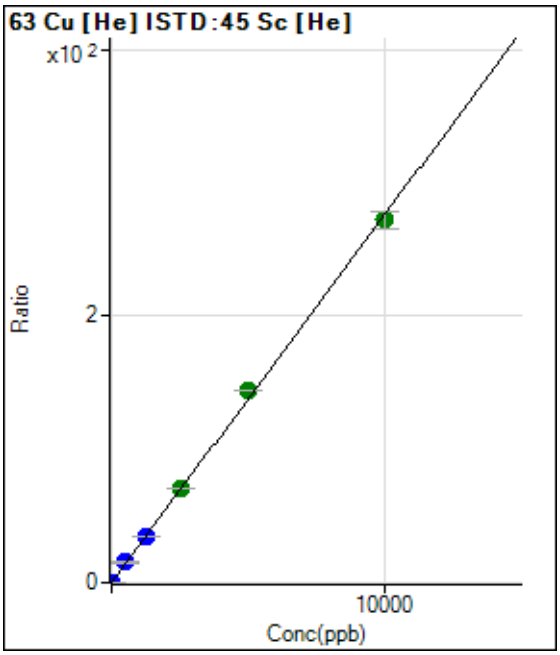
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	250.01	0.0071	P	8.6
2	☐	1.000	1.011	596.69	0.0172	P	4.5
3	☐	50.000	54.522	17340.67	0.5526	P	9.2
4	☐	125.000	124.006	42605.76	1.2478	P	2.5
5	☐	250.000	242.366	84090.85	2.4320	P	2.1
6	☐	500.000	495.321	164658.76	4.9628	P	0.5
7	☐	1000.000	1004.146	345797.19	10.0535	P	4.6
8	☐			1021.16	0.0369	P	7.6

y = 0.0100 * x + 0.0071
R = 0.9999
DL = 0.1825
BEC = 0.7107

Weight: <None>
Min Conc: 0

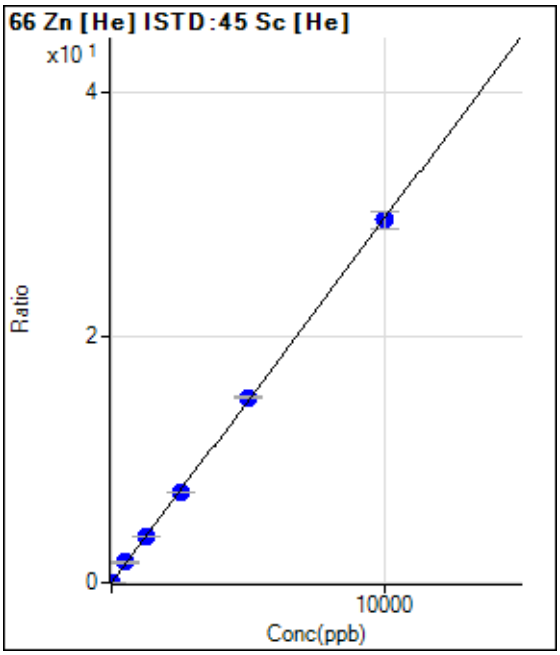


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	735.59	0.0210	P	13.7
2	☐	2.000	2.085	2718.07	0.0785	P	5.8
3	☐	500.000	550.466	476831.93	15.2094	P	10.7
4	☐	1250.000	1248.477	1176989.52	34.4689	P	2.2
5	☐	2500.000	2570.764	2453633.42	70.9535	A	0.8
6	☐	5000.000	5224.552	4783645.52	144.1768	A	0.5
7	☐	10000.000	9867.700	9364344.24	272.2905	A	5.1
8	☐			1582.33	0.0573	P	9.2

y = 0.0276 * x + 0.0210
R = 0.9996
DL = 0.3111
BEC = 0.7595

Weight: <None>
Min Conc: 0

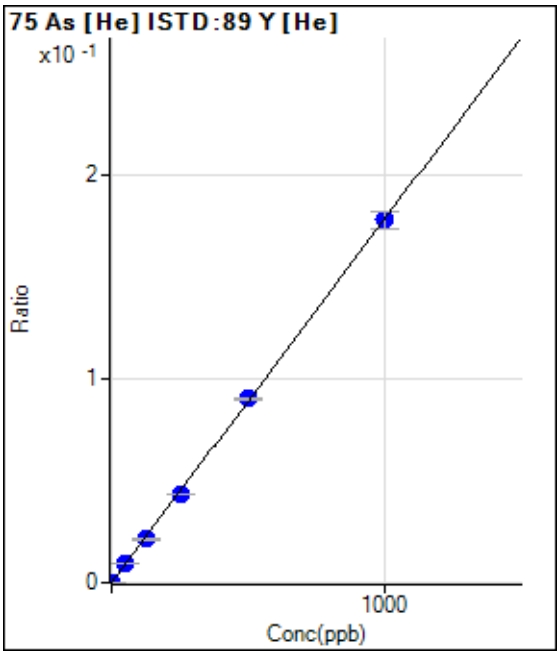
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	52.22	0.0015	P	31.8
2	☐	2.000	5.272	593.35	0.0171	P	4.5
3	☐	500.000	558.195	51987.04	1.6583	P	10.7
4	☐	1250.000	1277.052	129482.24	3.7919	P	2.0
5	☐	2500.000	2471.139	253695.33	7.3360	P	0.2
6	☐	5000.000	5080.425	500354.51	15.0806	P	0.6
7	☐	10000.000	9960.711	1016959.88	29.5657	P	4.5
8	☐			483.35	0.0175	P	7.0

y = 0.0030 * x + 0.0015
R = 0.9999
DL = 0.4763
BEC = 0.4995

Weight: <None>
Min Conc: 0

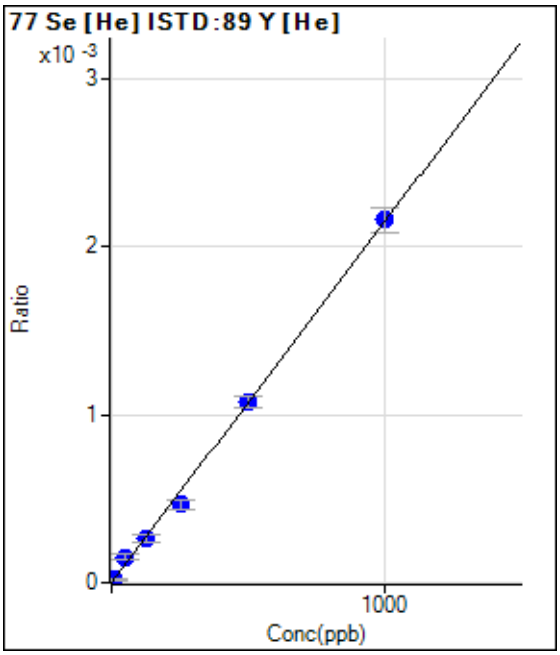


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	1.000	0.904	60.00	0.0002	P	7.3
3	☐	50.000	53.103	3197.06	0.0094	P	7.8
4	☐	125.000	120.466	7814.45	0.0214	P	2.6
5	☐	250.000	245.010	16094.84	0.0436	P	0.5
6	☐	500.000	506.654	32254.64	0.0901	P	1.4
7	☐	1000.000	998.332	64368.20	0.1776	P	5.0
8	☐			28.89	0.0001	P	22.6

y = 1.7789E-004 * x + 0.0000E+000
R = 0.9999
DL = 0
BEC = 0

Weight: <None>
Min Conc: 0

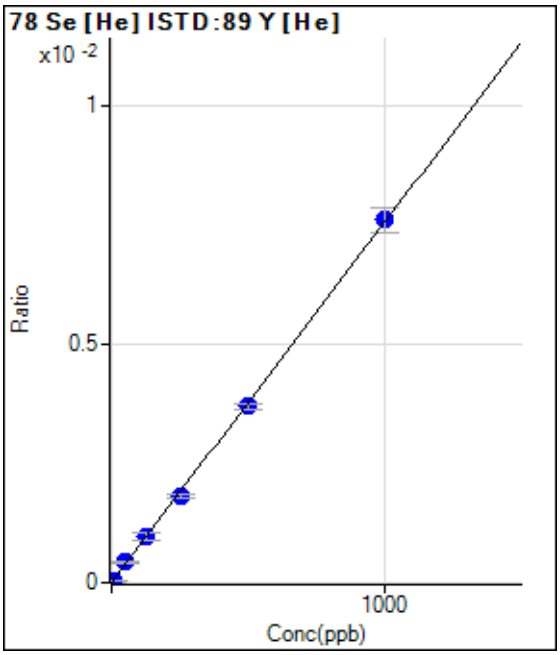
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	5.000	8.027	6.67	0.0000	P	129.2
3	☐	50.000	70.710	51.11	0.0002	P	23.5
4	☐	125.000	124.712	97.78	0.0003	P	18.1
5	☐	250.000	216.164	171.11	0.0005	P	13.5
6	☐	500.000	502.306	385.57	0.0011	P	6.8
7	☐	1000.000	1006.292	782.25	0.0022	P	6.7
8	☐			1.11	0.0000	P	173.2

y = 2.1456E-006 * x + 0.0000E+000
R = 0.9990
DL = 0
BEC = 0

Weight: <None>
Min Conc: 0

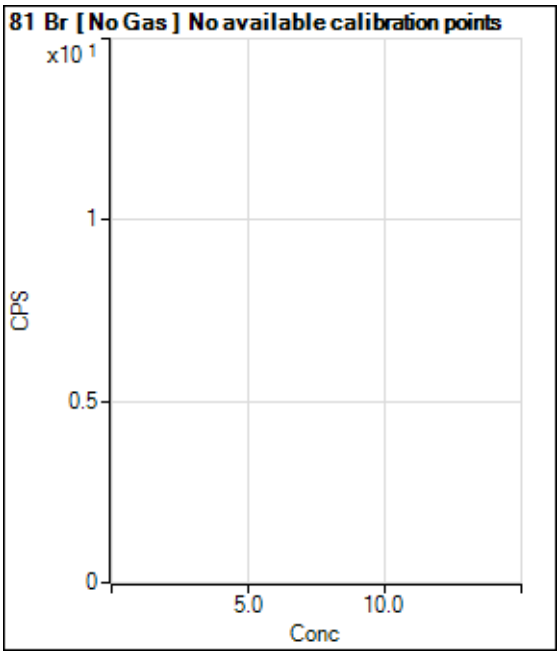


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1.11	0.0000	P	173.2
2	☐	5.000	4.760	14.44	0.0000	P	17.4
3	☐	50.000	56.114	145.56	0.0004	P	7.7
4	☐	125.000	126.892	351.12	0.0010	P	15.2
5	☐	250.000	238.657	666.69	0.0018	P	5.1
6	☐	500.000	490.765	1326.75	0.0037	P	3.3
7	☐	1000.000	1006.912	2754.74	0.0076	P	6.9
8	☐			0.00	0.0000	P	

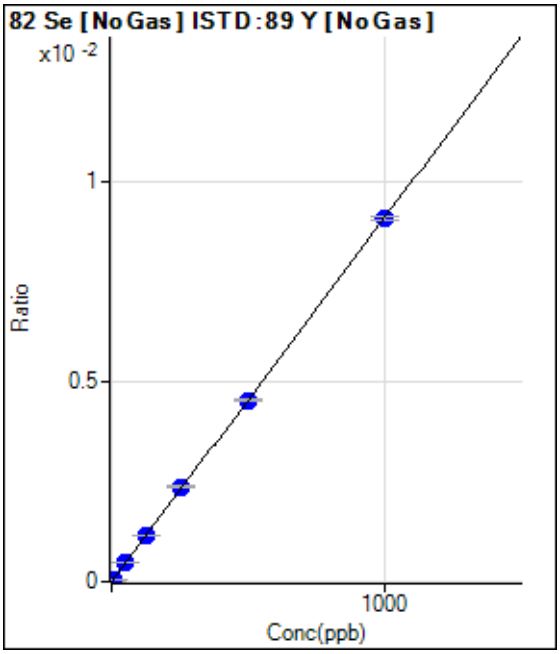
y = 7.5493E-006 * x + 3.0030E-006
R = 0.9998
DL = 2.067
BEC = 0.3978

Weight: <None>
Min Conc: 0

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			1890.15		P	2.8
2	☐			1956.82		P	4.3
3	☐			1991.28		P	6.7
4	☐			1971.27		P	3.9
5	☐			2004.61		P	2.1
6	☐			1991.27		P	1.6
7	☐			1943.48		P	4.9
8	☐			2079.07		P	2.4

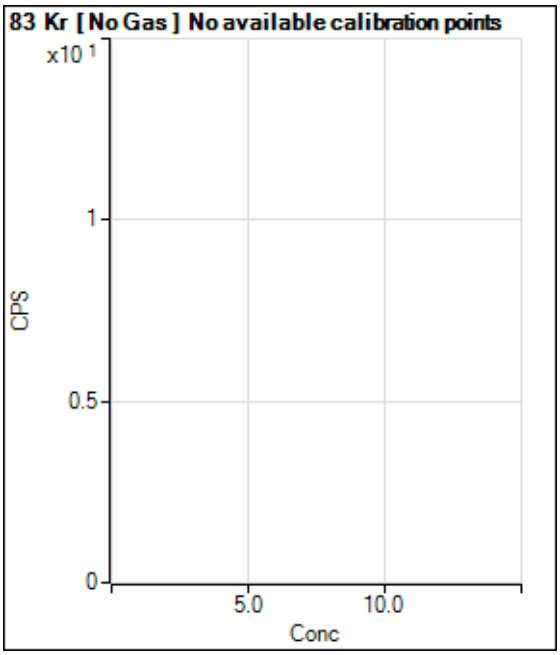


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-12.22	0.0000	P	-243.
2	☐	5.000	5.878	302.23	0.0001	P	16.7
3	☐	50.000	51.966	2847.00	0.0005	P	5.1
4	☐	125.000	126.812	6927.36	0.0011	P	4.0
5	☐	250.000	259.678	13774.68	0.0024	P	1.9
6	☐	500.000	499.254	26442.83	0.0045	P	1.1
7	☐	1000.000	997.625	53773.87	0.0091	P	1.2
8	☐			15.55	0.0000	P	163.2

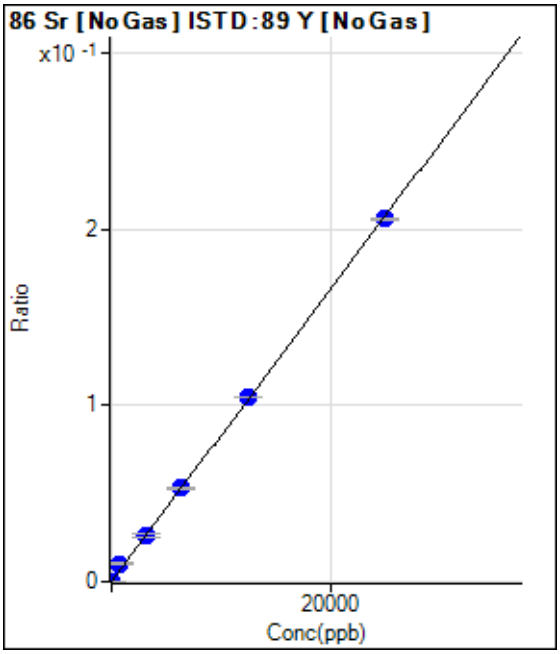
y = 9.0818E-006 * x - 2.1075E-006
R = 1.0000
DL = 1.696
BEC = -0.2321

Weight: <None>
Min Conc: 0

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			74.44		P	22.1
2	☐			61.11		P	44.1
3	☐			51.11		P	24.7
4	☐			58.89		P	41.0
5	☐			65.55		P	24.0
6	☐			63.33		P	10.5
7	☐			74.45		P	14.4
8	☐			71.11		P	10.8

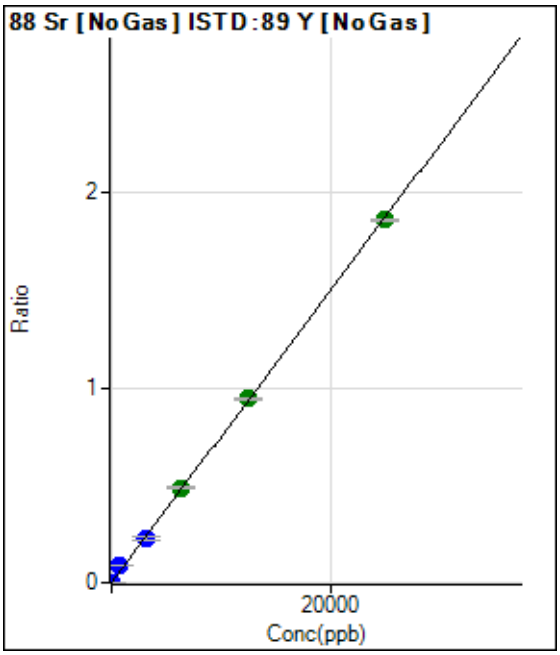


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	136.67	0.0000	P	5.2
2	☐	1.000	26.099	1408.98	0.0002	P	5.0
3	☐	625.000	1245.962	62537.82	0.0103	P	2.2
4	☐	3125.000	3122.249	155589.71	0.0259	P	7.0
5	☐	6250.000	6407.517	310077.80	0.0530	P	1.6
6	☐	12500.000	12647.932	610817.76	0.1047	P	0.9
7	☐	25000.000	24871.474	1221928.66	0.2058	P	0.6
8	☐			3320.43	0.0007	P	2.9

y = 8.2751E-006 * x + 2.2983E-005
R = 0.9997
DL = 0.4324
BEC = 2.777

Weight: <None>
Min Conc: 0

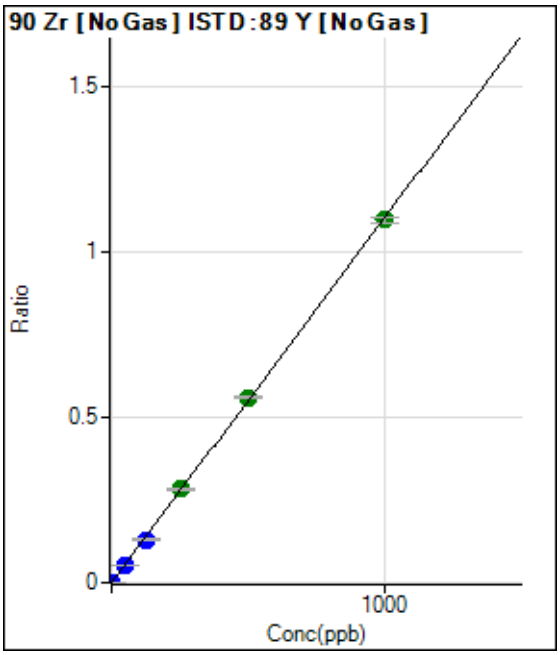
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	344.45	0.0001	P	14.6
2	☐	1.000	25.364	11522.59	0.0020	P	4.0
3	☐	625.000	1178.410	533786.71	0.0882	P	2.3
4	☐	3125.000	2988.849	1345036.01	0.2236	P	7.9
5	☐	6250.000	6520.823	2851833.78	0.4878	A	0.5
6	☐	12500.000	12606.195	5502359.02	0.9431	A	1.3
7	☐	25000.000	24882.379	11049730.1	1.8614	A	0.5
8	☐			29359.79	0.0058	P	0.7

y = 7.4804E-005 * x + 5.7997E-005
R = 0.9997
DL = 0.3394
BEC = 0.7753

Weight: <None>
Min Conc: 0

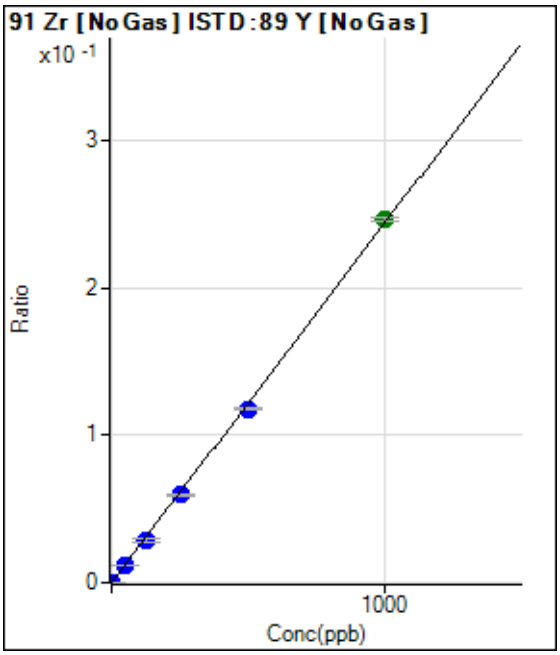


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	187.78	0.0000	P	17.3
2	☐	1.000	0.986	6603.85	0.0011	P	3.8
3	☐	50.000	46.517	310942.84	0.0514	P	2.2
4	☐	125.000	118.212	785014.21	0.1305	P	8.0
5	☐	250.000	257.065	1659018.64	0.2838	A	1.4
6	☐	500.000	508.552	3275857.63	0.5614	A	0.9
7	☐	1000.000	994.980	6520898.38	1.0984	A	1.4
8	☐			9862.49	0.0020	P	2.3

y = 0.0011 * x + 3.1638E-005
R = 0.9999
DL = 0.01483
BEC = 0.02866

Weight: <None>
Min Conc: 0

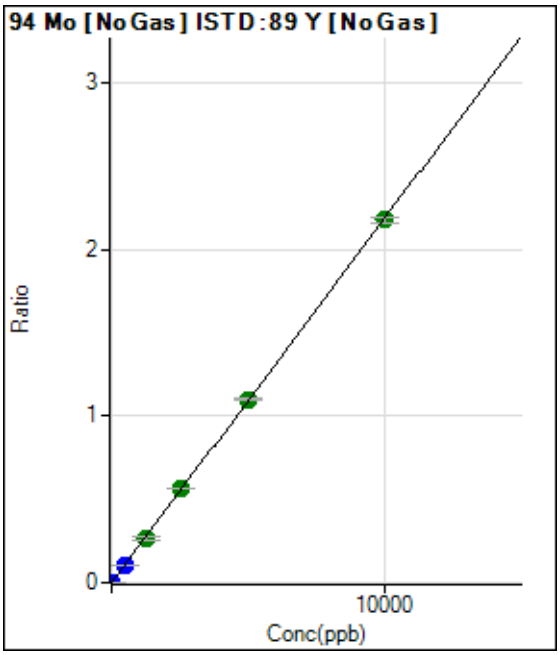
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	52.22	0.0000	P	20.8
2	☐	1.000	1.004	1494.54	0.0003	P	6.0
3	☐	50.000	46.631	68818.64	0.0114	P	1.9
4	☐	125.000	119.039	174510.56	0.0290	P	7.8
5	☐	250.000	244.706	348615.97	0.0596	P	1.1
6	☐	500.000	484.412	688763.48	0.1180	P	1.6
7	☐	1000.000	1010.031	1461137.46	0.2461	A	1.1
8	☐			2321.33	0.0005	P	2.5

y = 2.4367E-004 * x + 8.7839E-006
R = 0.9998
DL = 0.02245
BEC = 0.03605

Weight: <None>
Min Conc: 0

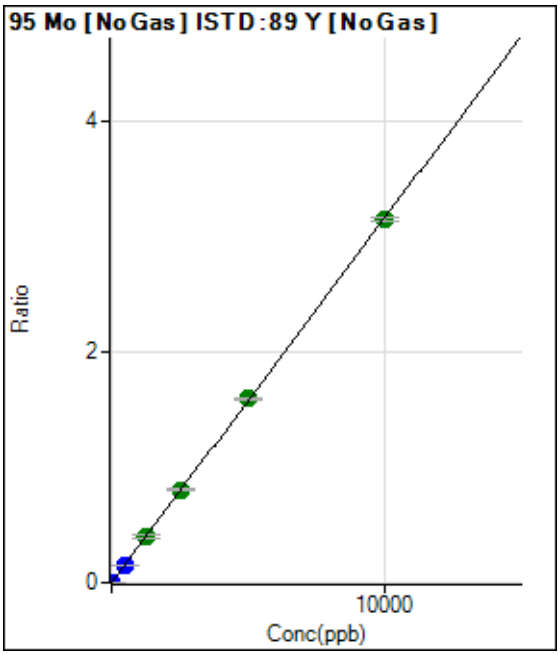


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	92.22	0.0000	P	14.8
2	☐	5.000	5.966	7772.23	0.0013	P	3.3
3	☐	500.000	468.855	619797.20	0.1024	P	2.1
4	☐	1250.000	1226.239	1610737.55	0.2678	A	8.1
5	☐	2500.000	2594.050	3312128.67	0.5666	A	0.9
6	☐	5000.000	5036.426	6418316.99	1.1000	A	0.9
7	☐	10000.000	9962.801	12917980.3	2.1760	A	1.6
8	☐			5237.71	0.0010	P	4.7

y = 2.1841E-004 * x + 1.5509E-005
R = 0.9999
DL = 0.03149
BEC = 0.07101

Weight: <None>
Min Conc: 0

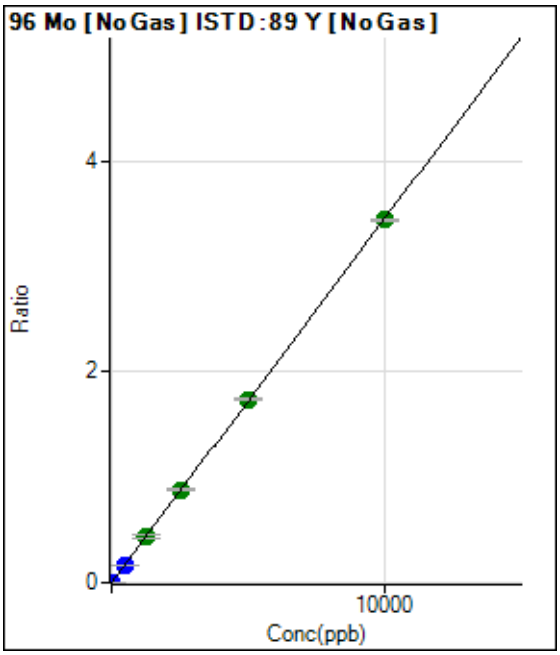
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	55.55	0.0000	P	35.9
2	☐	5.000	5.124	9591.17	0.0016	P	0.4
3	☐	500.000	465.743	889832.88	0.1470	P	2.1
4	☐	1250.000	1268.803	2408804.91	0.4005	A	8.0
5	☐	2500.000	2554.923	4714840.49	0.8065	A	1.1
6	☐	5000.000	5059.002	9318078.26	1.5970	A	0.8
7	☐	10000.000	9956.131	18657716.9	3.1429	A	0.9
8	☐			2852.55	0.0006	P	1.3

y = 3.1567E-004 * x + 9.3656E-006
R = 0.9999
DL = 0.03194
BEC = 0.02967

Weight: <None>
Min Conc: 0

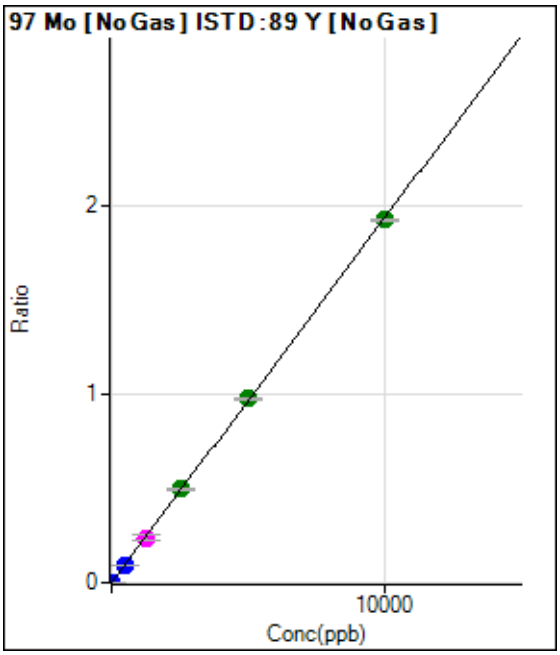


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	102.22	0.0000	P	12.0
2	☐	5.000	5.165	10611.91	0.0018	P	2.4
3	☐	500.000	462.898	967259.46	0.1598	P	2.1
4	☐	1250.000	1251.909	2599829.79	0.4322	A	7.7
5	☐	2500.000	2543.291	5132825.34	0.8781	A	1.7
6	☐	5000.000	5033.604	10140053.3	1.7379	A	0.6
7	☐	10000.000	9973.992	20442359.1	3.4435	A	0.7
8	☐			5192.14	0.0010	P	7.3

y = 3.4525E-004 * x + 1.7160E-005
R = 1.0000
DL = 0.01785
BEC = 0.0497

Weight: <None>
Min Conc: 0

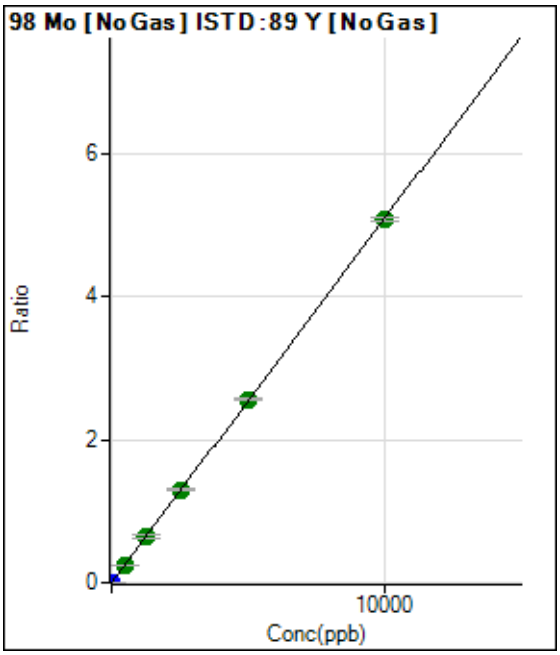
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	42.22	0.0000	P	13.9
2	☐	5.000	5.179	5954.67	0.0010	P	5.5
3	☐	500.000	470.618	551805.33	0.0912	P	2.4
4	☐	1250.000	1238.267	1442278.00	0.2399	M	9.2
5	☐	2500.000	2575.862	2917090.86	0.4990	A	1.8
6	☐	5000.000	5059.969	5719773.18	0.9803	A	1.2
7	☐	10000.000	9953.985	11448181.4	1.9285	A	0.5
8	☐			1739.02	0.0003	P	9.9

y = 1.9374E-004 * x + 7.1098E-006
R = 0.9999
DL = 0.01529
BEC = 0.0367

Weight: <None>
Min Conc: 0

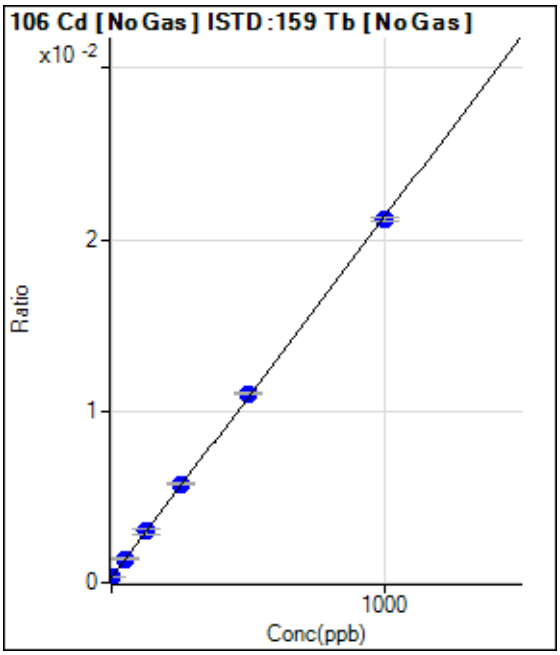


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	80.00	0.0000	P	8.7
2	☐	5.000	5.126	15484.28	0.0026	P	0.7
3	☐	500.000	488.422	1506891.47	0.2490	A	2.1
4	☐	1250.000	1252.865	3840223.07	0.6387	A	8.6
5	☐	2500.000	2556.344	7617889.82	1.3032	A	2.0
6	☐	5000.000	5042.382	14998909.3	2.5706	A	0.6
7	☐	10000.000	9964.944	30158463.4	5.0801	A	1.1
8	☐			4189.58	0.0008	P	6.4

y = 5.0980E-004 * x + 1.3460E-005
R = 1.0000
DL = 0.006893
BEC = 0.0264

Weight: <None>
Min Conc: 0

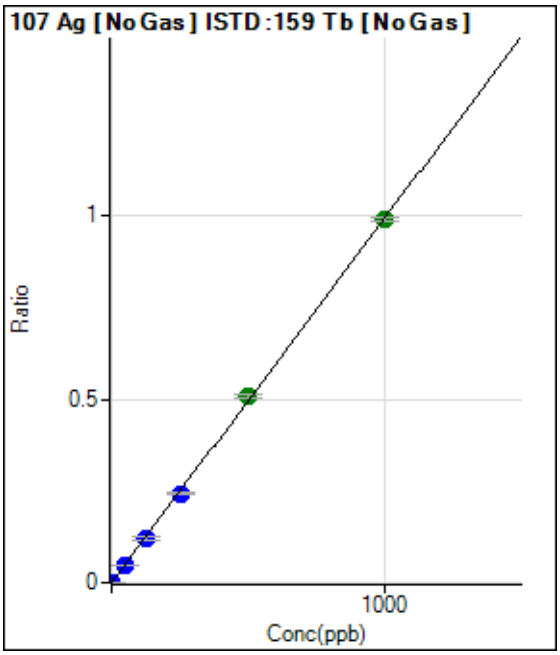
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1378.97	0.0003	P	3.9
2	☐	1.000	0.971	1474.54	0.0003	P	6.8
3	☐	50.000	51.358	6478.24	0.0014	P	2.9
4	☐	125.000	127.369	13911.55	0.0030	P	8.2
5	☐	250.000	260.136	26110.27	0.0058	P	3.3
6	☐	500.000	509.889	49924.37	0.0110	P	1.3
7	☐	1000.000	992.158	97109.44	0.0212	P	1.1
8	☐			1198.96	0.0003	P	5.3

y = 2.1017E-005 * x + 3.0330E-004
R = 0.9999
DL = 1.695
BEC = 14.43

Weight: <None>
Min Conc: 0

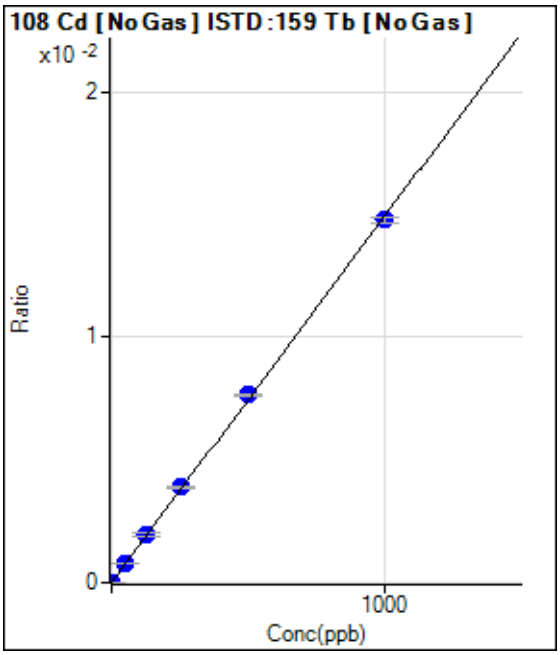


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	31.11	0.0000	P	12.0
2	☐	1.000	1.008	4588.59	0.0010	P	1.5
3	☐	50.000	47.350	220356.07	0.0470	P	2.6
4	☐	125.000	120.091	556647.16	0.1193	P	8.5
5	☐	250.000	244.150	1097168.04	0.2425	P	1.7
6	☐	500.000	511.872	2302813.70	0.5083	A	1.2
7	☐	1000.000	996.273	4541573.68	0.9894	A	1.1
8	☐			576.69	0.0001	P	19.1

y = 9.9307E-004 * x + 6.8417E-006
R = 0.9999
DL = 0.002478
BEC = 0.006889

Weight: <None>
Min Conc: 0

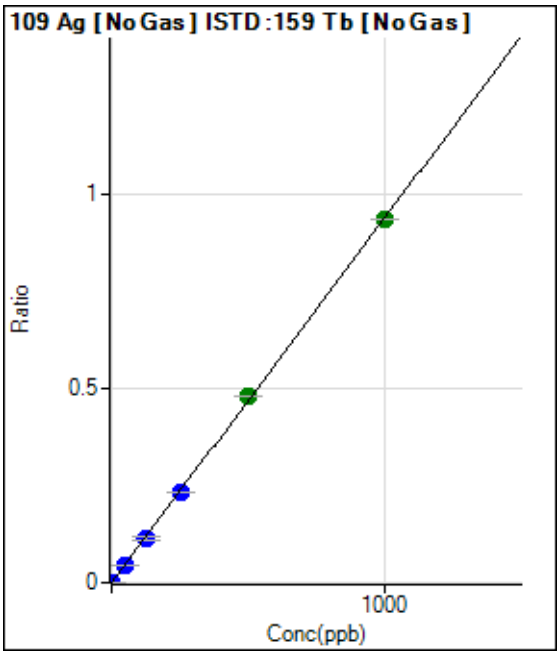
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	14.44	0.0000	P	34.5
2	☐	1.000	1.066	86.67	0.0000	P	34.1
3	☐	50.000	50.763	3560.50	0.0008	P	2.9
4	☐	125.000	130.030	9065.28	0.0019	P	7.6
5	☐	250.000	260.238	17567.96	0.0039	P	1.6
6	☐	500.000	512.000	34591.10	0.0076	P	0.7
7	☐	1000.000	990.774	67807.88	0.0148	P	1.6
8	☐			63.33	0.0000	P	16.6

y = 1.4906E-005 * x + 3.1721E-006
R = 0.9998
DL = 0.2201
BEC = 0.2128

Weight: <None>
Min Conc: 0

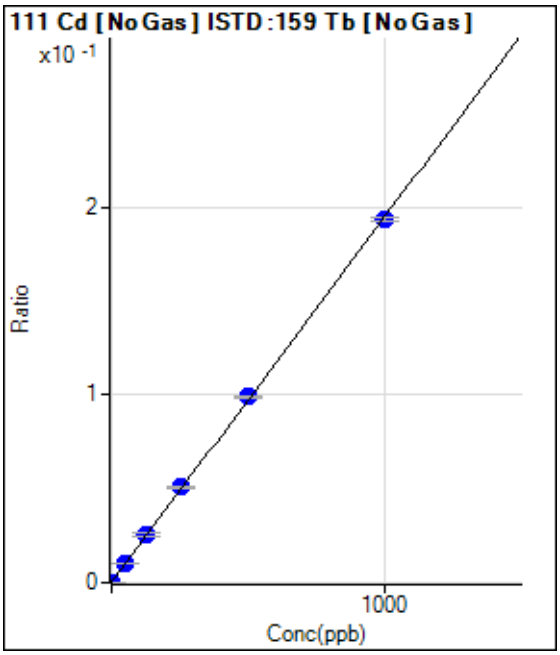


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	17.78	0.0000	P	65.2
2	☐	1.000	1.041	4461.88	0.0010	P	3.0
3	☐	50.000	48.325	212316.08	0.0453	P	2.9
4	☐	125.000	121.563	532221.41	0.1140	P	7.6
5	☐	250.000	247.664	1050841.46	0.2322	P	1.6
6	☐	500.000	511.211	2171574.78	0.4793	A	0.4
7	☐	1000.000	995.492	4284729.59	0.9334	A	0.1
8	☐			565.57	0.0001	P	9.6

y = 9.3765E-004 * x + 3.9004E-006
R = 0.9999
DL = 0.008133
BEC = 0.00416

Weight: <None>
Min Conc: 0

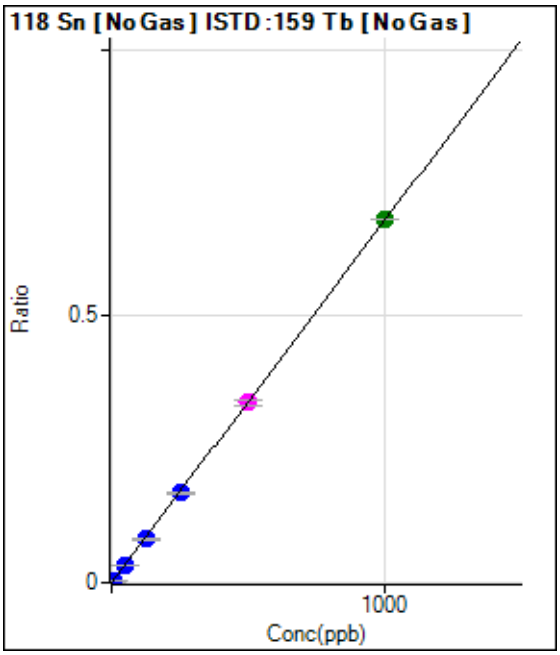
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	972.95	0.0002	P	3.2
2	☐	1.000	1.076	1928.22	0.0004	P	8.3
3	☐	50.000	50.528	47043.60	0.0100	P	3.8
4	☐	125.000	128.371	117551.89	0.0252	P	8.4
5	☐	250.000	261.637	231269.80	0.0511	P	1.6
6	☐	500.000	507.894	448562.76	0.0990	P	0.6
7	☐	1000.000	992.696	887384.45	0.1933	P	1.1
8	☐			1074.95	0.0003	P	3.2

y = 1.9452E-004 * x + 2.1400E-004
R = 0.9999
DL = 0.104
BEC = 1.1

Weight: <None>
Min Conc: 0

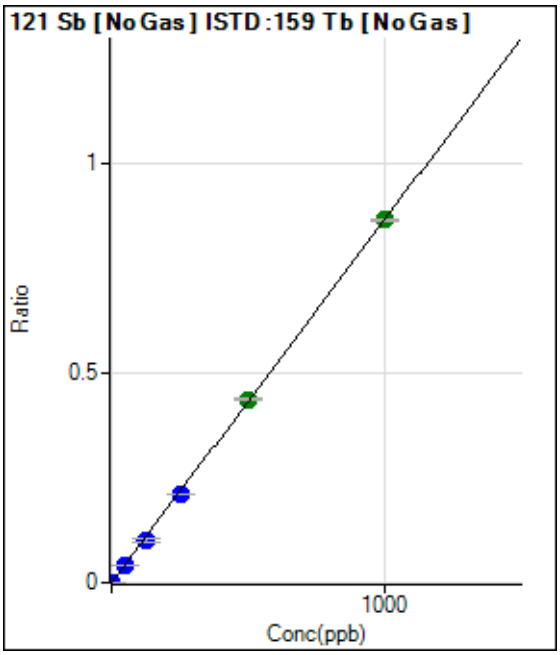


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	384.45	0.0001	P	9.7
2	☐	5.000	5.143	16266.40	0.0036	P	1.0
3	☐	50.000	47.681	151903.65	0.0324	P	2.3
4	☐	125.000	120.052	380507.31	0.0815	P	7.7
5	☐	250.000	247.252	759103.45	0.1678	P	1.4
6	☐	500.000	497.227	1527871.30	0.3373	M	2.5
7	☐	1000.000	1002.807	3121955.06	0.6801	A	0.1
8	☐			1026.72	0.0003	P	3.9

y = 6.7813E-004 * x + 8.4573E-005
R = 1.0000
DL = 0.03636
BEC = 0.1247

Weight: <None>
Min Conc: 0

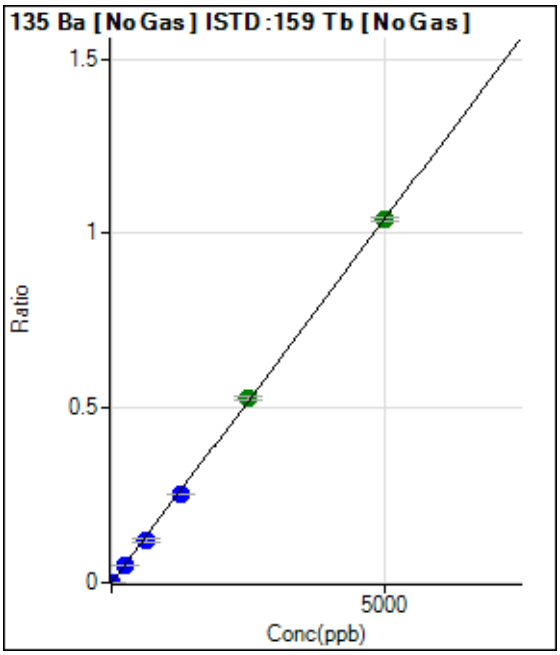
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	37.78	0.0000	P	13.7
2	☐	2.000	1.987	7853.43	0.0017	P	2.3
3	☐	50.000	46.788	189347.07	0.0404	P	2.9
4	☐	125.000	118.587	478159.12	0.1024	P	7.9
5	☐	250.000	243.782	952721.24	0.2105	P	1.1
6	☐	500.000	504.970	1975656.72	0.4361	A	0.6
7	☐	1000.000	1000.032	3964384.21	0.8636	A	0.2
8	☐			1427.87	0.0004	P	4.8

y = 8.6361E-004 * x + 8.3122E-006
R = 0.9999
DL = 0.003969
BEC = 0.009625

Weight: <None>
Min Conc: 0

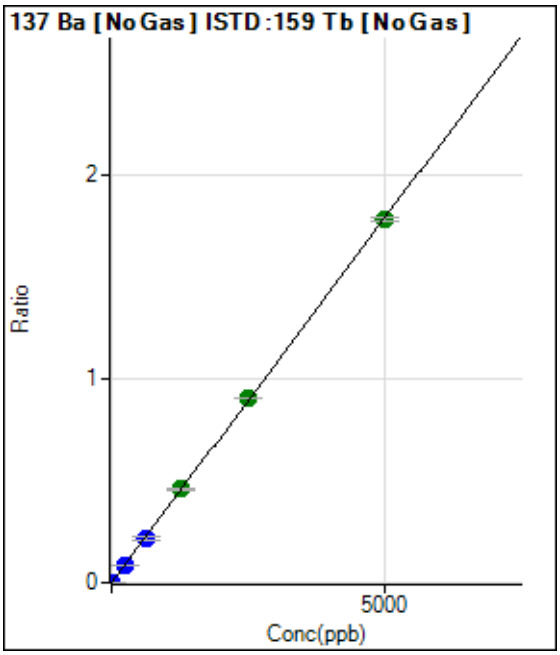


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	48.89	0.0000	P	10.4
2	☐	10.000	10.266	9773.63	0.0021	P	3.0
3	☐	250.000	232.907	227042.17	0.0485	P	2.7
4	☐	625.000	590.991	573763.89	0.1229	P	8.6
5	☐	1250.000	1216.101	1144658.62	0.2530	P	1.4
6	☐	2500.000	2540.074	2393699.25	0.5283	A	1.2
7	☐	5000.000	4993.543	4767667.05	1.0387	A	1.2
8	☐			2191.32	0.0006	P	7.8

y = 2.0800E-004 * x + 1.0754E-005
R = 0.9999
DL = 0.01613
BEC = 0.0517

Weight: <None>
Min Conc: 0

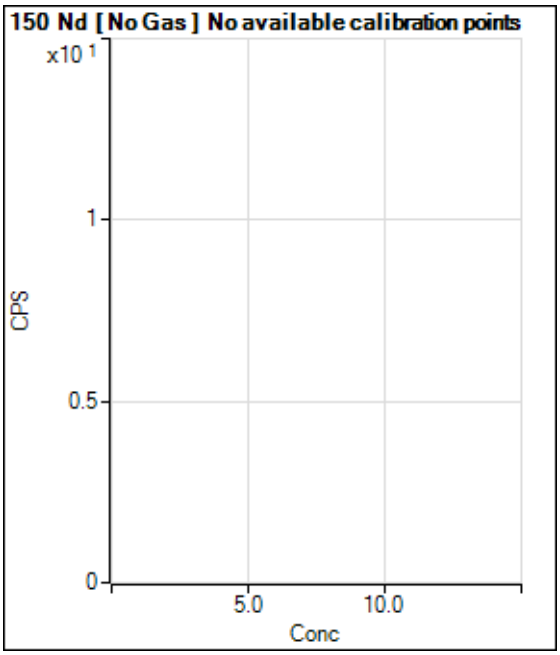
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	63.33	0.0000	P	5.9
2	☐	10.000	10.526	17186.57	0.0038	P	2.8
3	☐	250.000	235.738	394679.82	0.0842	P	2.5
4	☐	625.000	598.127	997208.30	0.2137	P	8.9
5	☐	1250.000	1287.519	2081461.79	0.4600	A	1.8
6	☐	2500.000	2532.240	4098390.91	0.9047	A	0.6
7	☐	5000.000	4978.572	8164394.53	1.7786	A	1.0
8	☐			3782.80	0.0010	P	1.5

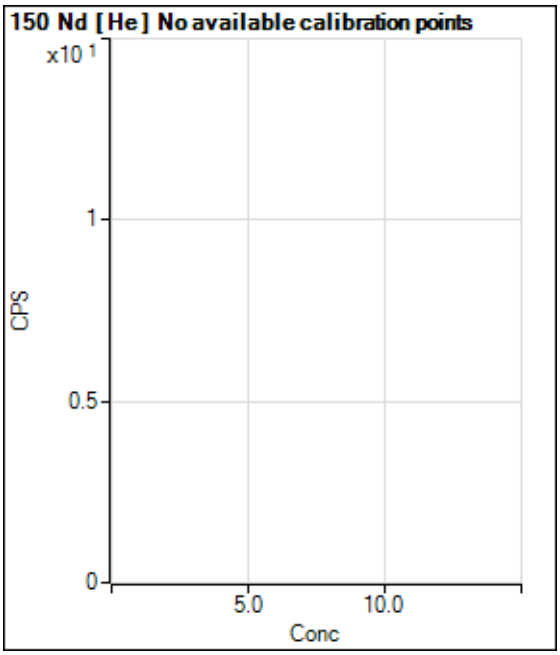
y = 3.5726E-004 * x + 1.3936E-005
R = 0.9999
DL = 0.006879
BEC = 0.03901

Weight: <None>
Min Conc: 0

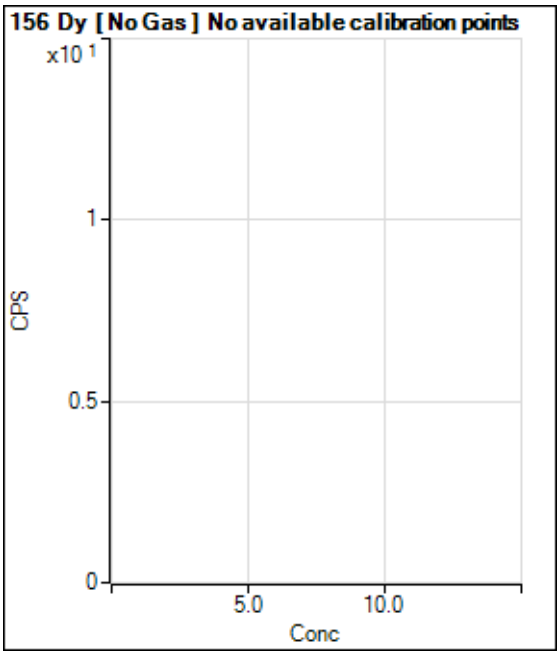


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			5.56		P	34.7
2	☐			3.33		P	0.0
3	☐			31.11		P	27.0
4	☐			48.89		P	7.9
5	☐			122.22		P	24.7
6	☐			196.67		P	16.2
7	☐			462.24		P	9.8
8	☐			95.56		P	12.2

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

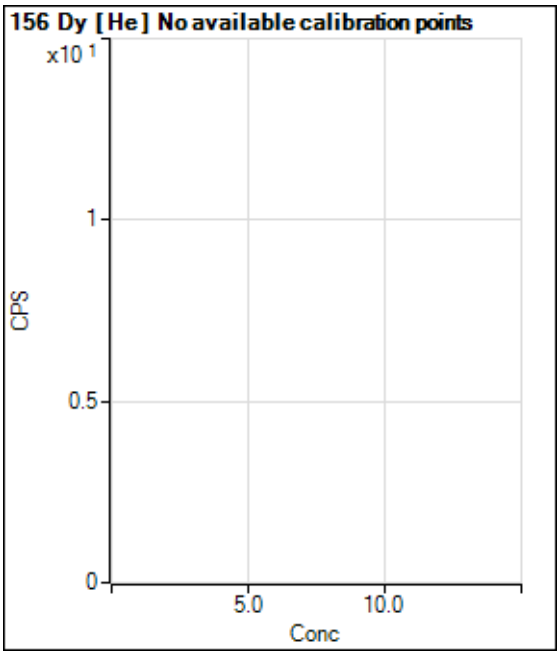


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			3.33		P	173.2
2	☐			1.11		P	173.2
3	☐			1.11		P	173.2
4	☐			2.22		P	86.6
5	☐			5.56		P	34.7
6	☐			13.33		P	25.0
7	☐			17.78		P	54.1
8	☐			21.11		P	18.2

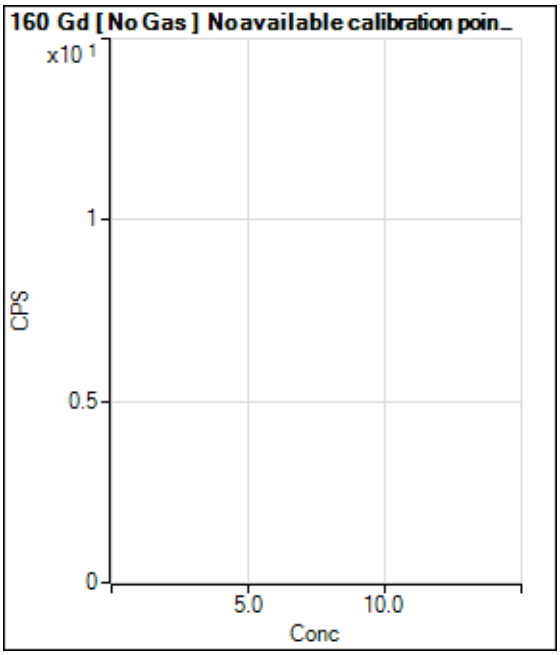


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			177.78		P	29.2
2	☐			138.89		P	5.0
3	☐			133.34		P	21.8
4	☐			161.12		P	12.1
5	☐			144.45		P	16.7
6	☐			195.56		P	8.4
7	☐			260.01		P	15.6
8	☐			208.89		P	20.3

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

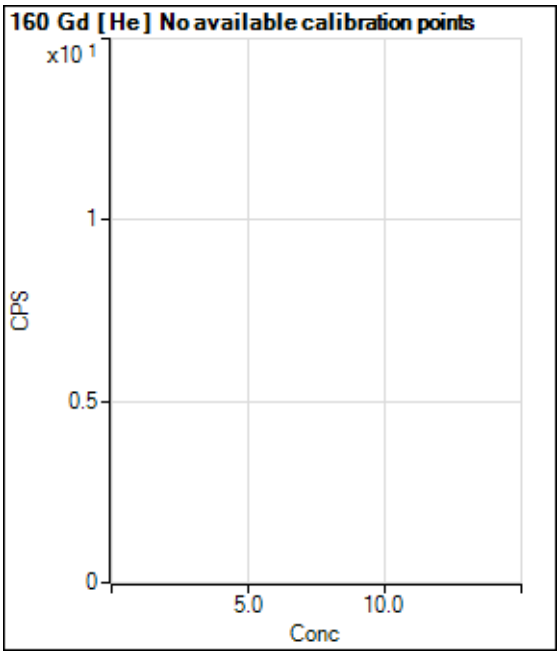


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			5.56		P	34.7
2	☐			1.11		P	173.2
3	☐			1.11		P	173.2
4	☐			5.56		P	34.7
5	☐			17.78		P	28.6
6	☐			11.11		P	34.6
7	☐			33.33		P	10.0
8	☐			40.00		P	22.0

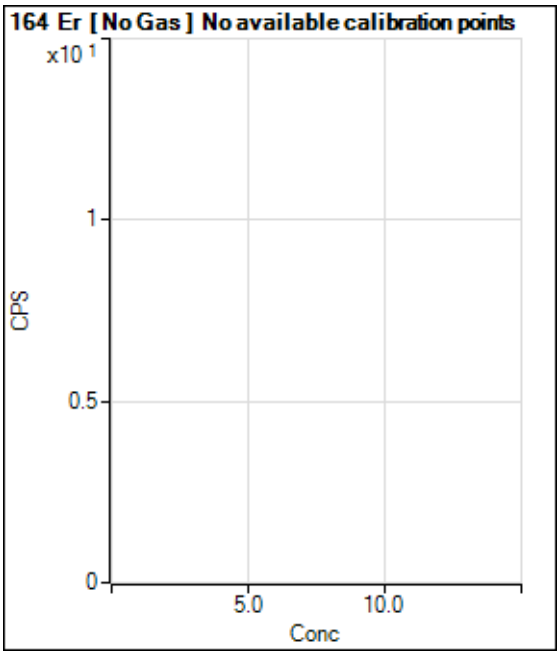


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			15.55		P	44.6
2	☐			7.78		P	137.8
3	☐			15.55		P	44.6
4	☐			15.56		P	12.4
5	☐			25.56		P	32.8
6	☐			46.66		P	12.4
7	☐			93.33		P	9.5
8	☐			130.00		P	38.7

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

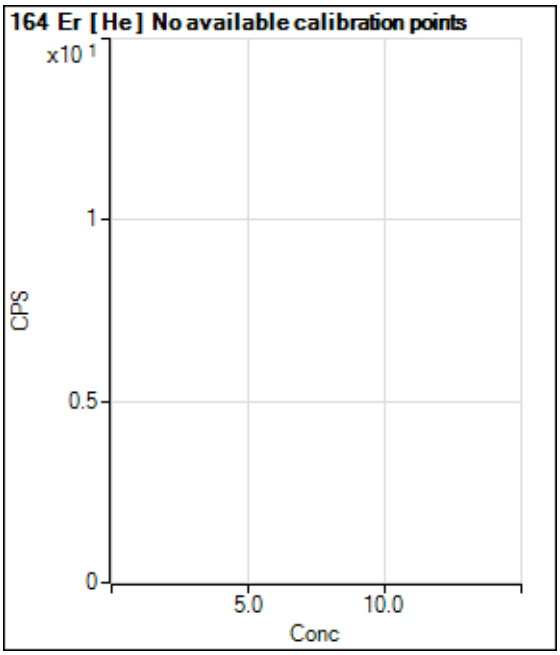


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			3.33		P	100.1
2	☐			3.33		P	0.0
3	☐			5.56		P	34.7
4	☐			8.89		P	43.3
5	☐			11.11		P	86.6
6	☐			7.78		P	24.7
7	☐			23.33		P	14.3
8	☐			53.33		P	10.8

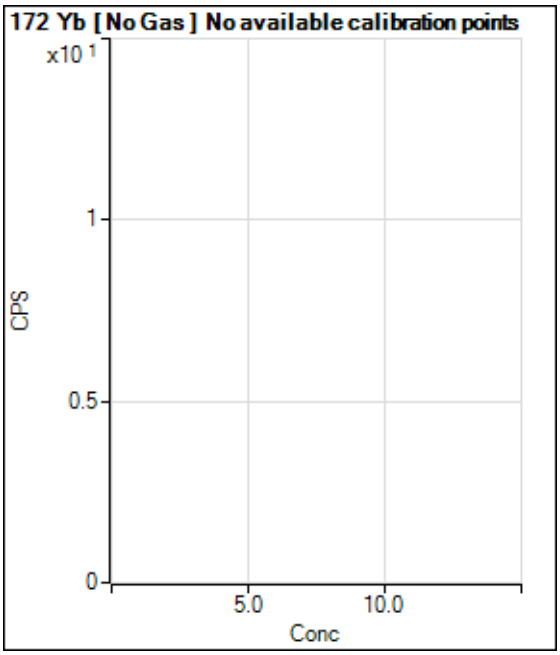


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			28.89		P	17.6
2	☐			23.33		P	24.7
3	☐			26.67		P	33.1
4	☐			40.00		P	16.7
5	☐			33.33		P	43.6
6	☐			65.56		P	33.9
7	☐			121.11		P	23.7
8	☐			162.23		P	11.7

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

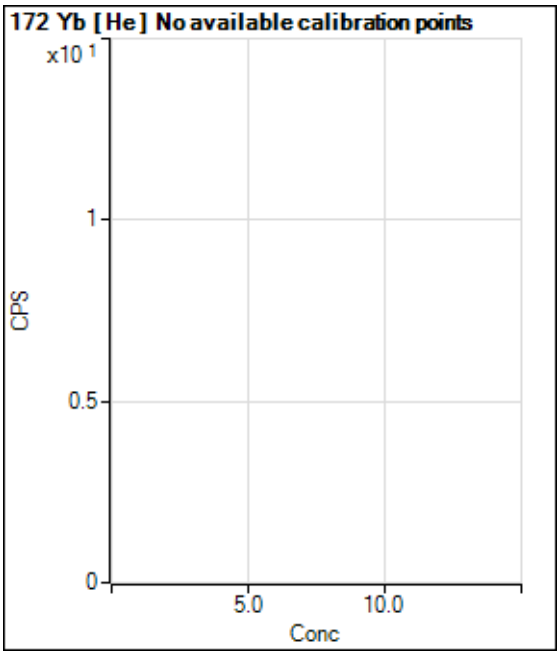


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			2.22		P	173.2
2	☐			5.56		P	91.6
3	☐			8.89		P	57.3
4	☐			11.11		P	45.8
5	☐			8.89		P	57.3
6	☐			21.11		P	50.8
7	☐			37.78		P	22.2
8	☐			58.89		P	25.5

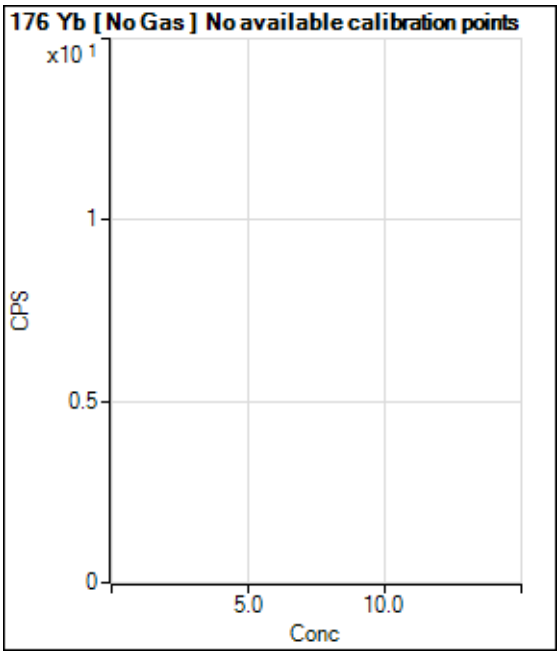


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			26.67		P	33.1
2	☐			13.33		P	66.1
3	☐			27.78		P	36.7
4	☐			24.44		P	56.8
5	☐			50.00		P	43.7
6	☐			66.67		P	5.0
7	☐			132.22		P	10.2
8	☐			203.33		P	5.7

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

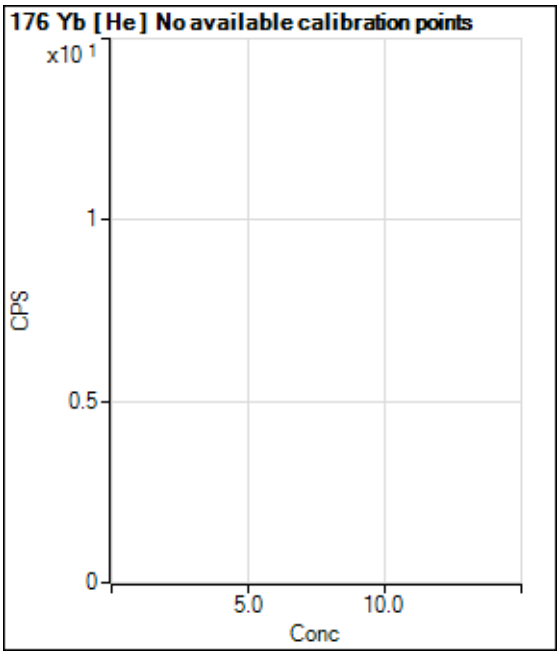


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			7.78		P	65.5
2	☐			11.11		P	34.6
3	☐			15.56		P	53.9
4	☐			15.56		P	12.4
5	☐			17.78		P	47.2
6	☐			30.00		P	40.1
7	☐			31.11		P	37.6
8	☐			77.78		P	12.4

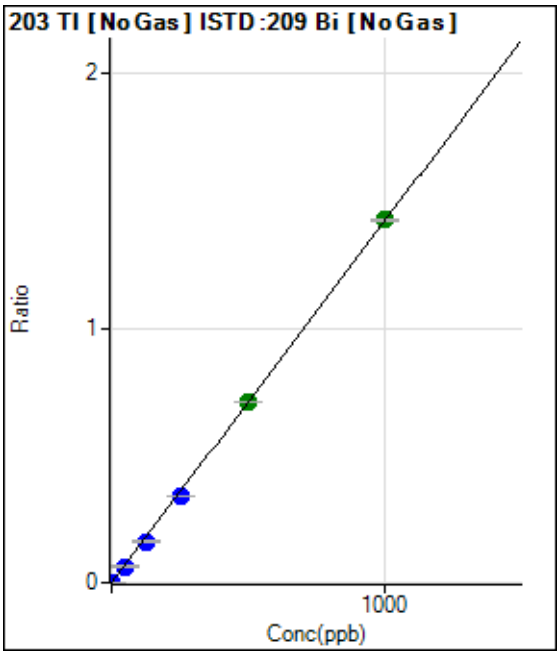


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			488.90		P	2.2
2	☐			448.90		P	8.6
3	☐			1260.08		P	7.7
4	☐			2614.73		P	2.7
5	☐			4753.13		P	0.7
6	☐			8846.38		P	2.6
7	☐			17318.08		P	1.3
8	☐			541.13		P	3.6

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			66.66		P	48.2
2	☐			90.00		P	20.6
3	☐			348.90		P	0.6
4	☐			790.03		P	1.9
5	☐			1559.00		P	2.9
6	☐			2953.70		P	3.0
7	☐			6001.41		P	3.1
8	☐			95.56		P	17.2

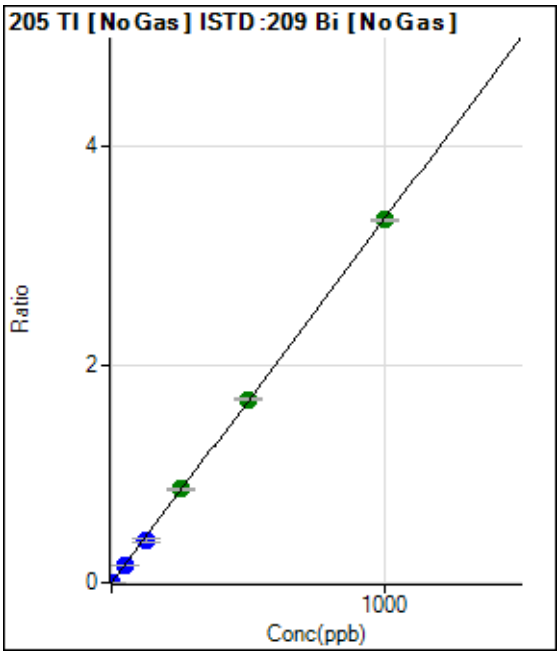


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	143.34	0.0000	P	15.6
2	☐	1.000	0.936	4025.11	0.0014	P	2.9
3	☐	50.000	45.069	191808.95	0.0640	P	2.7
4	☐	125.000	114.130	479401.63	0.1620	P	7.1
5	☐	250.000	238.404	953972.22	0.3382	P	1.0
6	☐	500.000	501.300	1989405.87	0.7112	A	0.1
7	☐	1000.000	1003.854	3927200.74	1.4241	A	0.7
8	☐			477.79	0.0002	P	13.2

y = 0.0014 * x + 4.9123E-005
R = 0.9999
DL = 0.01625
BEC = 0.03463

Weight: <None>
Min Conc: 0

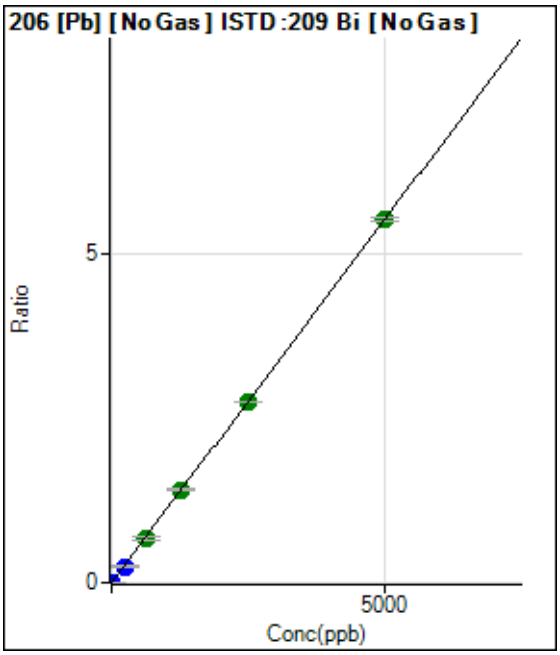
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	326.67	0.0001	P	4.0
2	☐	1.000	0.966	9734.86	0.0033	P	3.3
3	☐	50.000	45.573	456058.18	0.1521	P	2.1
4	☐	125.000	116.064	1145961.28	0.3872	P	7.6
5	☐	250.000	256.828	2416201.93	0.8567	A	0.7
6	☐	500.000	503.759	4700258.72	1.6803	A	1.0
7	☐	1000.000	997.752	9177407.43	3.3278	A	0.8
8	☐			1206.74	0.0005	P	14.7

y = 0.0033 * x + 1.1190E-004
R = 0.9999
DL = 0.004017
BEC = 0.03355

Weight: <None>
Min Conc: 0

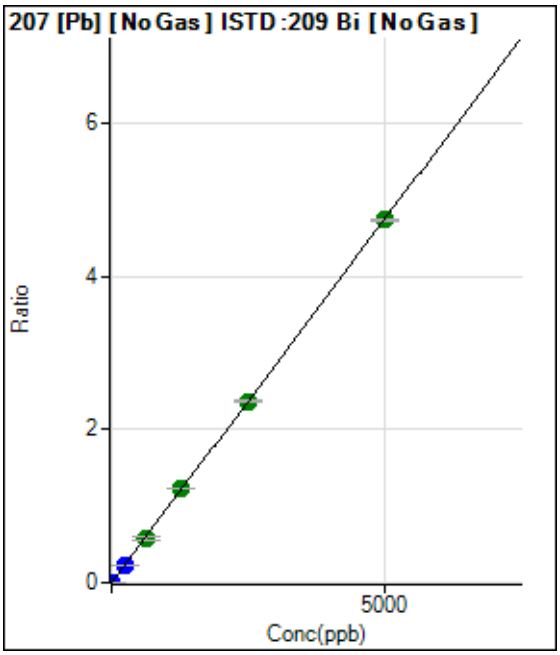


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	390.01	0.0001	P	1.7
2	☐	1.000	0.982	3564.97	0.0012	P	3.2
3	☐	250.000	224.901	746582.10	0.2490	P	2.0
4	☐	625.000	610.751	2001003.69	0.6760	A	7.2
5	☐	1250.000	1284.408	4009024.18	1.4215	A	1.0
6	☐	2500.000	2489.701	7707284.61	2.7552	A	0.2
7	☐	5000.000	4999.584	15257187.1	5.5326	A	1.1
8	☐			2646.97	0.0012	P	3.6

y = 0.0011 * x + 1.3362E-004
R = 0.9999
DL = 0.006202
BEC = 0.1207

Weight: <None>
Min Conc: 0

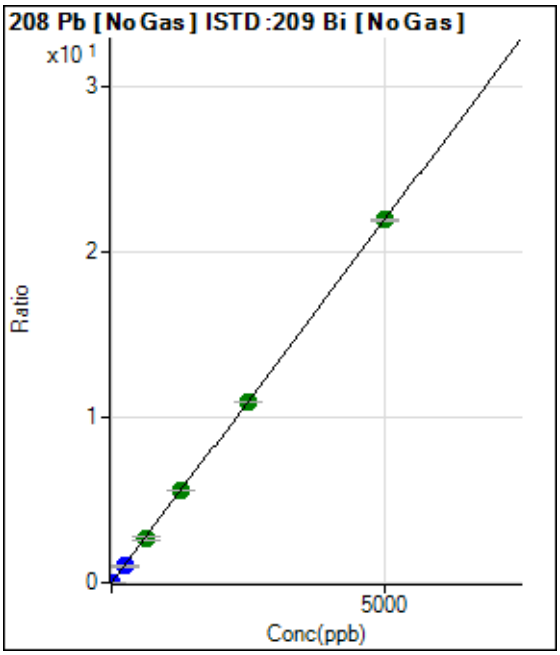
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	311.12	0.0001	P	10.4
2	☐	1.000	0.973	3007.04	0.0010	P	5.1
3	☐	250.000	228.508	650656.82	0.2170	P	1.9
4	☐	625.000	614.991	1727607.04	0.5839	A	8.1
5	☐	1250.000	1292.658	3460922.07	1.2271	A	1.2
6	☐	2500.000	2493.102	6620006.36	2.3666	A	1.0
7	☐	5000.000	4995.110	13075685.2	4.7415	A	0.9
8	☐			2215.78	0.0010	P	5.6

y = 9.4921E-004 * x + 1.0653E-004
R = 0.9999
DL = 0.03495
BEC = 0.1122

Weight: <None>
Min Conc: 0

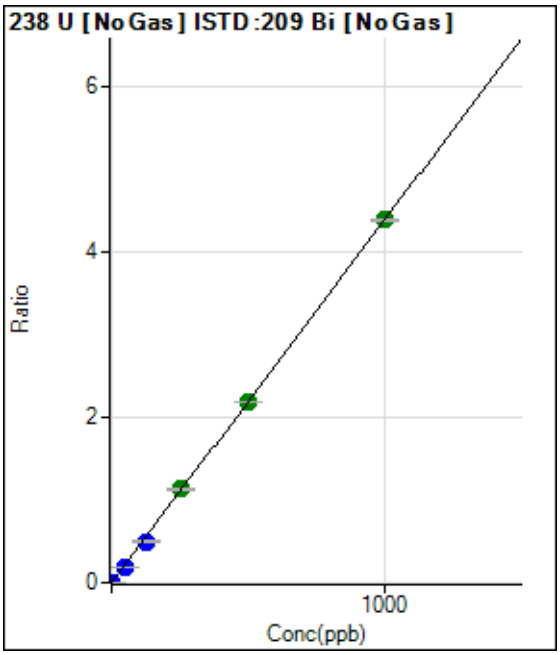


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1542.28	0.0005	P	4.6
2	☐	1.000	0.970	13971.96	0.0048	P	2.8
3	☐	250.000	226.471	2980700.63	0.9942	P	2.0
4	☐	625.000	613.037	7964553.55	2.6902	A	6.8
5	☐	1250.000	1275.652	15786860.1	5.5974	A	0.6
6	☐	2500.000	2491.226	30576499.3	10.9307	A	0.5
7	☐	5000.000	5000.646	60505885.7	21.9406	A	0.6
8	☐			10171.69	0.0046	P	4.9

y = 0.0044 * x + 5.2843E-004
R = 1.0000
DL = 0.01678
BEC = 0.1204

Weight: <None>
Min Conc: 0

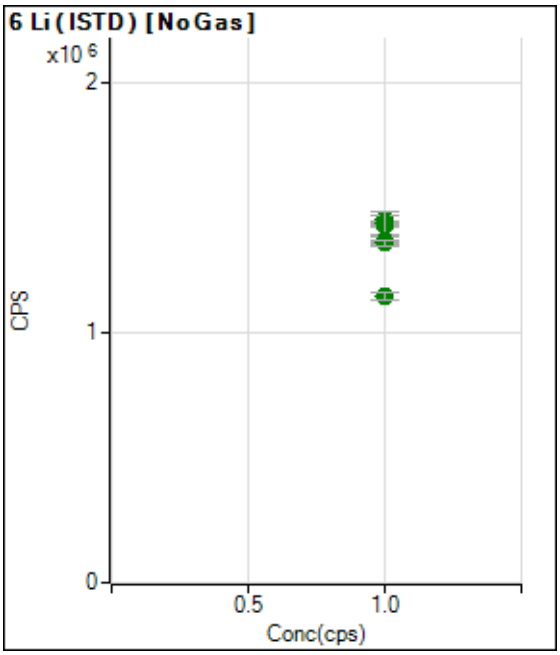
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.67	0.0000	P	72.3
2	☐	1.000	0.972	12474.02	0.0043	P	1.0
3	☐	50.000	44.488	585171.63	0.1952	P	2.4
4	☐	125.000	113.823	1478056.26	0.4994	P	7.4
5	☐	250.000	257.259	3183320.82	1.1287	A	0.4
6	☐	500.000	498.409	6116719.63	2.1867	A	1.0
7	☐	1000.000	1000.653	12106850.7	4.3902	A	0.5
8	☐			852.26	0.0004	P	22.9

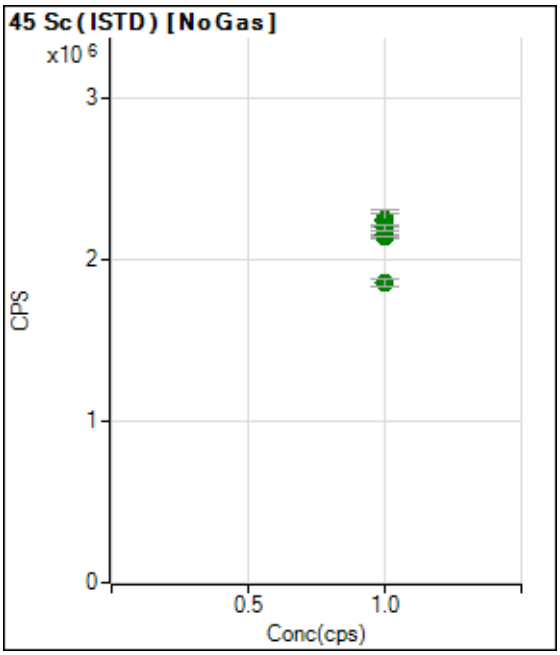
y = 0.0044 * x + 5.7221E-006
R = 0.9999
DL = 0.002829
BEC = 0.001304

Weight: <None>
Min Conc: 0

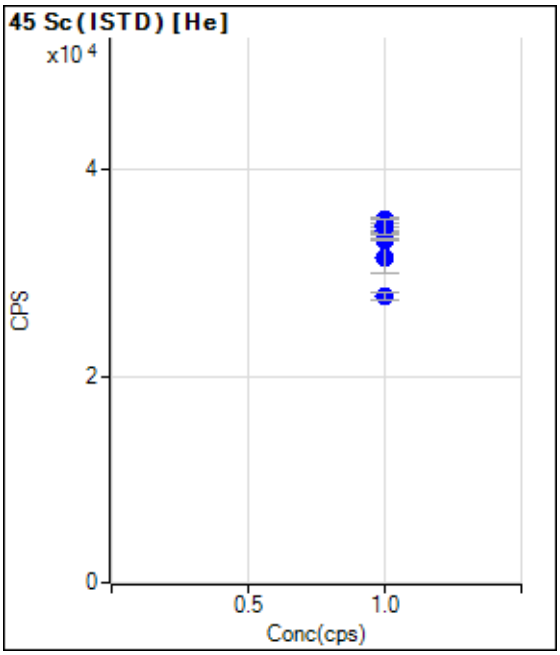


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1442880.71		A	1.2
2	☐	1.000		1430371.01		A	0.9
3	☐	1.000		1453352.45		A	2.0
4	☐	1.000		1441333.08		A	6.1
5	☐	1.000		1373060.13		A	1.6
6	☐	1.000		1372760.96		A	2.2
7	☐	1.000		1359899.09		A	1.3
8	☐	1.000		1146041.89		A	2.6

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

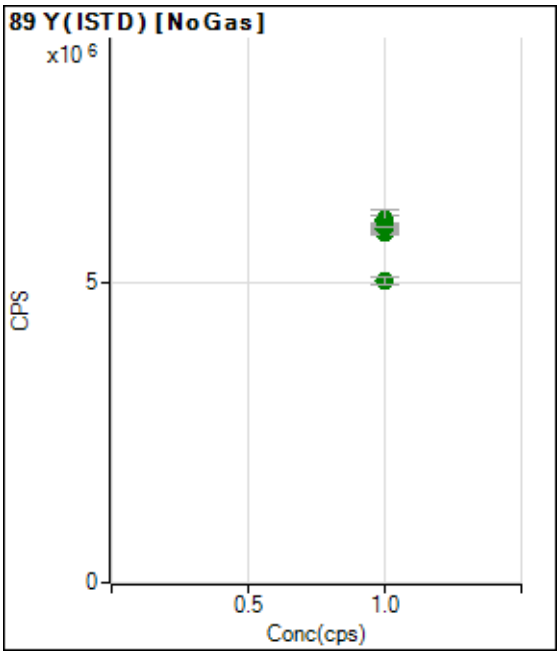


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2207996.84		A	0.3
2	☐	1.000		2196380.80		A	1.5
3	☐	1.000		2243350.28		A	3.4
4	☐	1.000		2240636.91		A	6.2
5	☐	1.000		2140354.22		A	1.5
6	☐	1.000		2154959.69		A	1.8
7	☐	1.000		2194472.05		A	1.6
8	☐	1.000		1853526.85		A	2.5

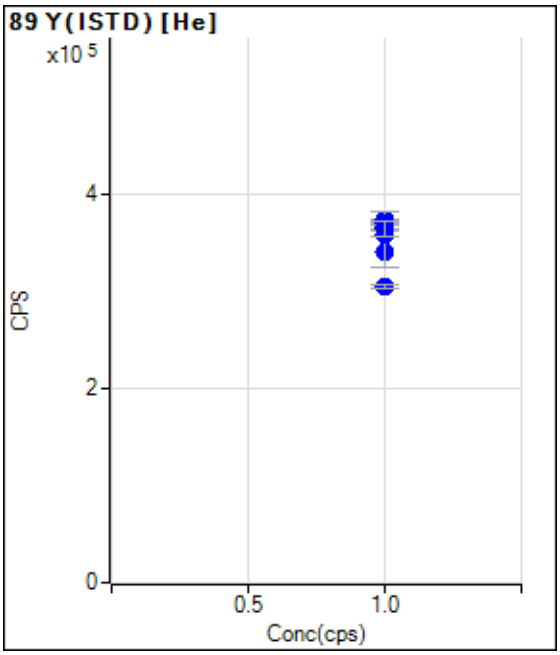


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		35146.21		P	1.5
2	☐	1.000		34674.21		P	3.4
3	☐	1.000		31565.98		P	9.6
4	☐	1.000		34156.10		P	1.9
5	☐	1.000		34582.70		P	1.1
6	☐	1.000		33179.35		P	0.6
7	☐	1.000		34443.60		P	4.5
8	☐	1.000		27675.60		P	2.6

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

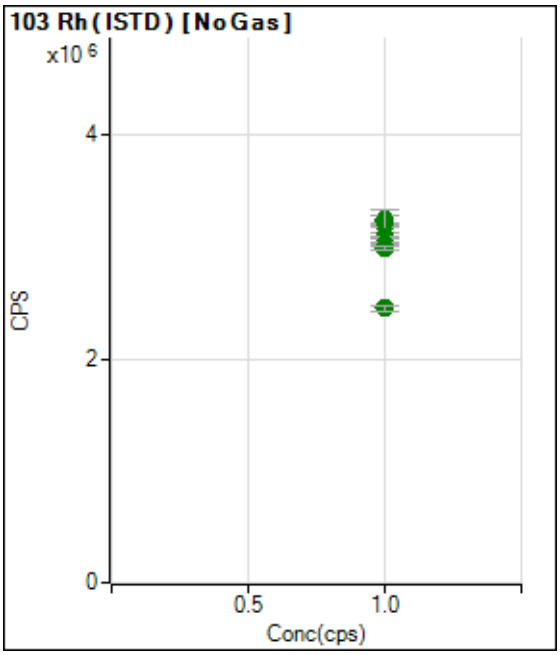


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5949105.12		A	2.0
2	☐	1.000		5895208.32		A	1.5
3	☐	1.000		6053866.99		A	2.8
4	☐	1.000		6035780.81		A	6.8
5	☐	1.000		5845867.07		A	0.8
6	☐	1.000		5834831.16		A	0.4
7	☐	1.000		5936331.30		A	0.5
8	☐	1.000		5045341.49		A	2.8

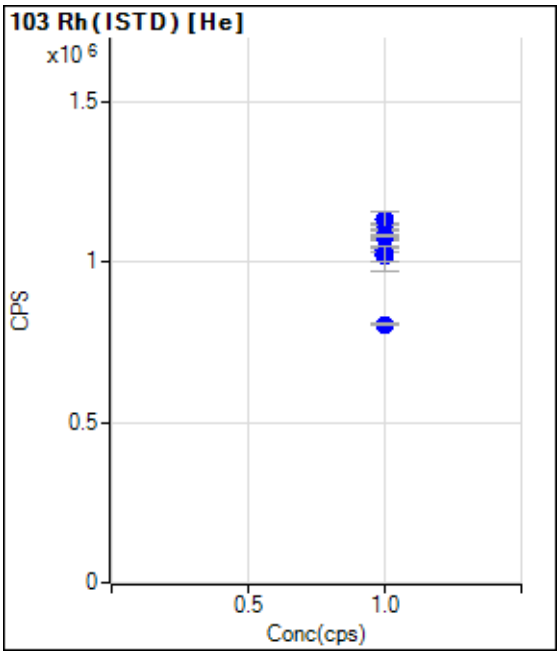


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		372251.49		P	0.6
2	☐	1.000		372675.65		P	5.0
3	☐	1.000		340027.96		P	9.2
4	☐	1.000		364805.65		P	2.2
5	☐	1.000		369287.12		P	1.1
6	☐	1.000		357931.14		P	1.5
7	☐	1.000		362996.85		P	4.5
8	☐	1.000		304117.22		P	1.5

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

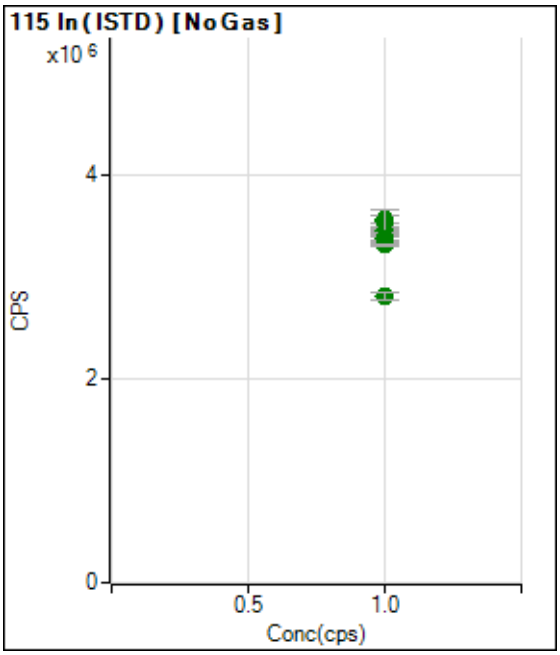


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3197781.37		A	0.7
2	☐	1.000		3190731.27		A	0.6
3	☐	1.000		3244432.56		A	2.4
4	☐	1.000		3234167.31		A	6.4
5	☐	1.000		3090709.02		A	0.5
6	☐	1.000		3032199.50		A	0.5
7	☐	1.000		2993224.05		A	1.0
8	☐	1.000		2451038.00		A	1.7

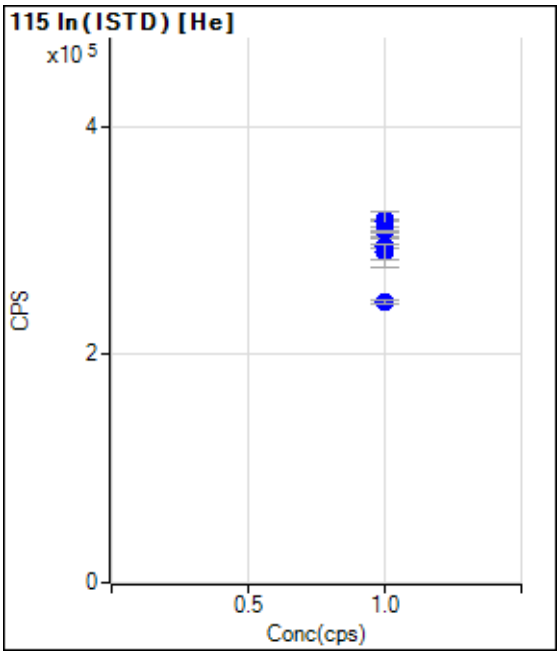


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1118755.99		P	0.5
2	☐	1.000		1131166.85		P	5.0
3	☐	1.000		1019683.77		P	9.4
4	☐	1.000		1083904.84		P	2.4
5	☐	1.000		1082128.55		P	1.1
6	☐	1.000		1037457.33		P	1.2
7	☐	1.000		1025376.73		P	5.0
8	☐	1.000		806362.00		P	1.1

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

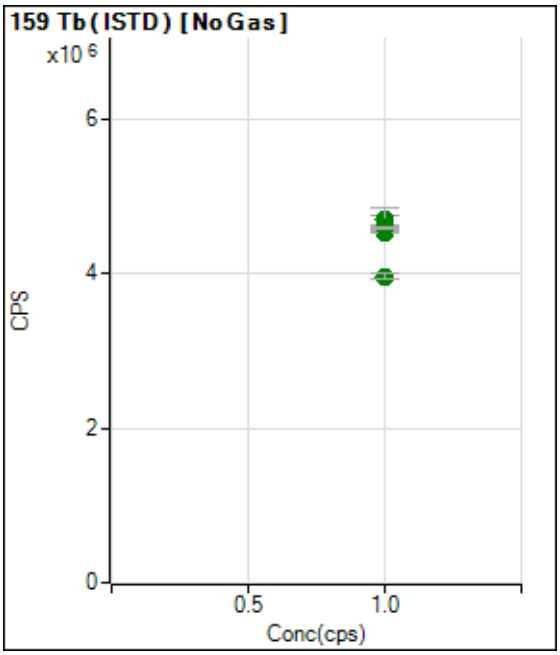


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3465956.57		A	0.5
2	☐	1.000		3460382.86		A	1.3
3	☐	1.000		3560715.95		A	2.0
4	☐	1.000		3543458.67		A	6.9
5	☐	1.000		3382260.57		A	0.9
6	☐	1.000		3354068.16		A	0.6
7	☐	1.000		3314375.74		A	0.9
8	☐	1.000		2807631.89		A	2.5

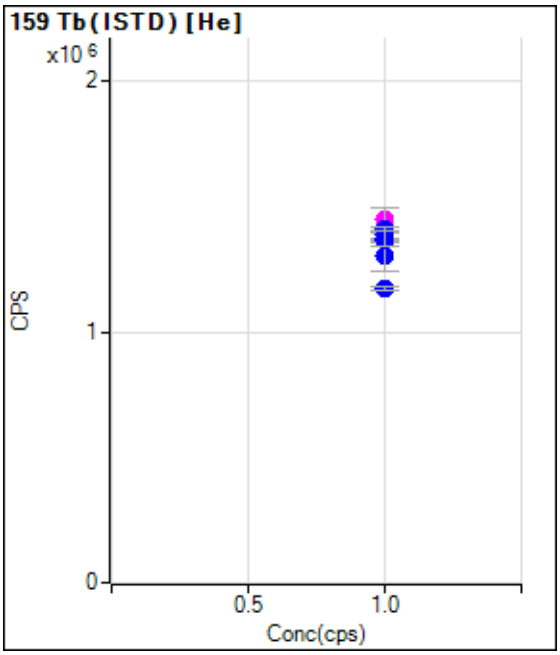


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		317962.53		P	0.4
2	☐	1.000		317505.99		P	5.3
3	☐	1.000		289201.47		P	9.0
4	☐	1.000		307654.37		P	2.5
5	☐	1.000		307866.85		P	0.9
6	☐	1.000		295226.66		P	1.2
7	☐	1.000		289120.91		P	4.6
8	☐	1.000		245437.45		P	1.3

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

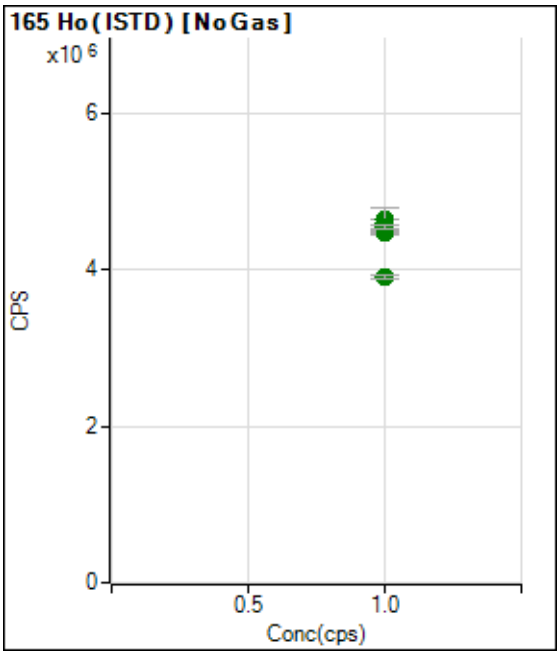


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4545718.75		A	0.7
2	☐	1.000		4553872.29		A	0.6
3	☐	1.000		4687623.47		A	2.9
4	☐	1.000		4686009.69		A	7.1
5	☐	1.000		4525325.80		A	0.6
6	☐	1.000		4530336.39		A	0.6
7	☐	1.000		4590330.66		A	0.5
8	☐	1.000		3961798.97		A	2.2

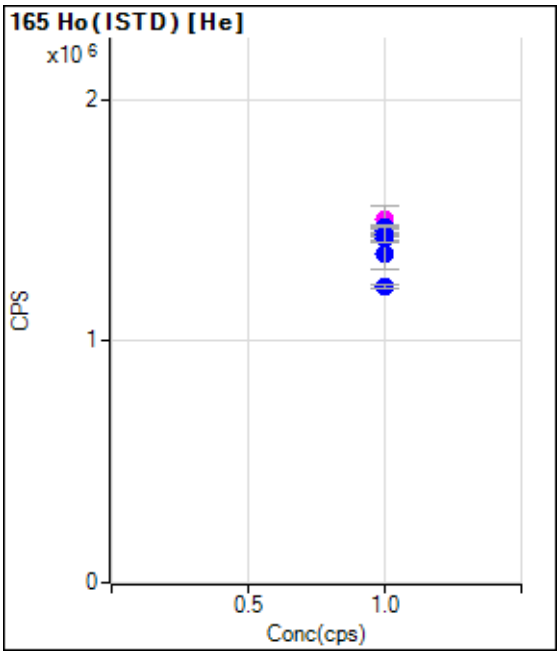


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1416683.52		P	0.1
2	☐	1.000		1447709.32		M	7.1
3	☐	1.000		1304275.22		P	8.9
4	☐	1.000		1388180.71		P	2.1
5	☐	1.000		1412772.10		P	1.1
6	☐	1.000		1365713.73		P	0.9
7	☐	1.000		1375340.80		P	4.7
8	☐	1.000		1174694.86		P	1.6

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

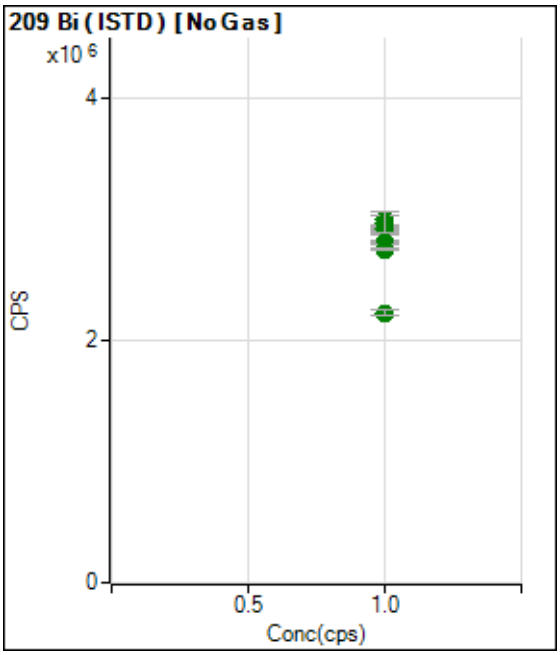


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4480430.97		A	1.0
2	☐	1.000		4491309.76		A	0.6
3	☐	1.000		4601745.07		A	1.7
4	☐	1.000		4635171.36		A	6.3
5	☐	1.000		4461232.26		A	0.6
6	☐	1.000		4502445.80		A	0.5
7	☐	1.000		4537592.33		A	1.1
8	☐	1.000		3909643.62		A	1.6

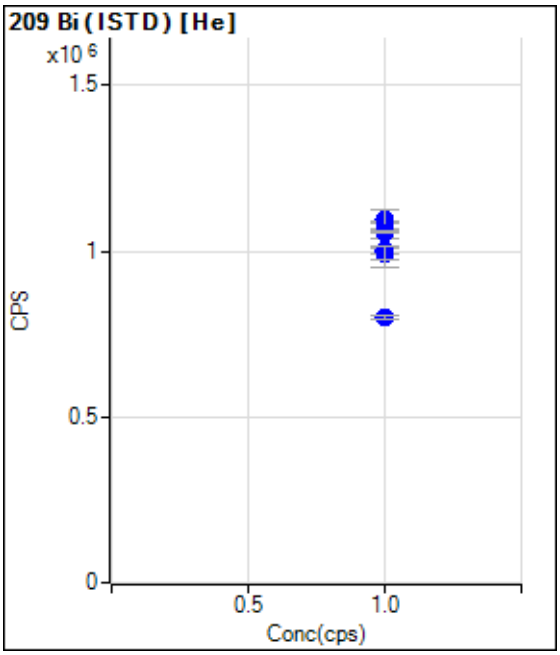


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1471080.29		P	0.2
2	☐	1.000		1502614.42		M	7.3
3	☐	1.000		1359901.24		P	9.1
4	☐	1.000		1456393.52		P	2.3
5	☐	1.000		1472568.64		P	1.4
6	☐	1.000		1422678.47		P	1.4
7	☐	1.000		1439311.27		P	4.5
8	☐	1.000		1227460.85		P	1.4

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2918945.10		A	0.8
2	☐	1.000		2921919.26		A	1.6
3	☐	1.000		2999341.93		A	2.8
4	☐	1.000		2969217.22		A	6.4
5	☐	1.000		2820430.65		A	0.3
6	☐	1.000		2797348.43		A	0.4
7	☐	1.000		2757777.08		A	0.6
8	☐	1.000		2227362.83		A	2.0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1085813.78		P	0.5
2	☐	1.000		1094738.39		P	5.2
3	☐	1.000		992803.95		P	8.8
4	☐	1.000		1053682.73		P	2.8
5	☐	1.000		1058503.96		P	0.4
6	☐	1.000		1002042.53		P	1.4
7	☐	1.000		996135.66		P	4.1
8	☐	1.000		799760.90		P	1.1

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8
ClientSampleId :TUNE003

US EPA Tune Check Report

Operator Name	Jaswal
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\P8020325MS.b
Acq. Date-Time	2025-02-03 14:56:14
Report Comment	---
Instrument Name	G8403A SG19224459

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		7809	78094.06			2.032	5.000
24		80180	801803.81			2.254	5.000
25		10559	105591.96			2.213	5.000
26		12400	124003.21			1.851	5.000
59		44310	443103.49			2.190	5.000
113		5624	56235.10			2.278	5.000
115		75738	757382.43			4.474	5.000
206		17500	174999.98			2.102	5.000
207		15220	152204.72			2.098	5.000
208		36820	368204.14			2.254	5.000
220		0	1.70			67.711	

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	7910	7947	7547	7788	7855
24	81496	80520	77267	79826	81794
25	10788	10706	10182	10528	10592
26	12602	12571	12029	12363	12437
59	45068	44796	42633	44368	44687
113	5724	5695	5406	5616	5677
115	75110	74699	71053	77839	79990
206	17597	17614	16853	17770	17667
207	15235	15366	14665	15418	15419
208	37039	37140	35356	37156	37412

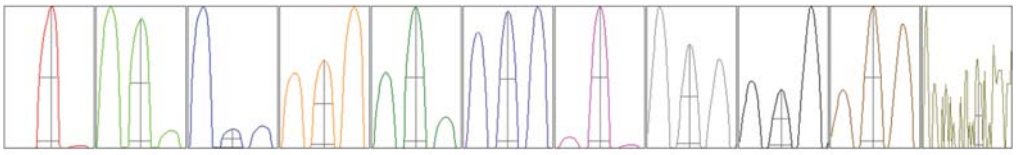
Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8
ClientSampleId :TUNE003

US EPA Tune Check Report

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
220	0	0	0	0	0

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	13648.24	9.10	8.90 - 9.10	
24	135019.12	24.00	23.90 - 24.10	
25	17930.58	25.00	24.90 - 25.10	
26	21027.45	26.00	25.90 - 26.10	
59	79536.38	59.00	58.90 - 59.10	
113	11006.34	113.00	112.90 - 113.10	
115	145952.78	115.05	114.90 - 115.10	
206	33741.63	205.95	205.90 - 206.10	
207	29130.91	206.95	206.90 - 207.10	
208	70469.73	207.95	207.90 - 208.10	
220	0.25	220.40	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.61	0.739	0.900	
24	0.63	0.741	0.900	
25	0.62	0.741	0.900	
26	0.62	0.781	0.900	
59	0.59	0.736	0.900	
113	0.54	0.718	0.900	
115	0.54	0.725	0.900	
206	0.55	0.775	0.900	
207	0.55	0.780	0.900	
208	0.55	0.780	0.900	
220	0.25	0.295		

Integration Time [sec] 0.1
Acquisition Time [sec] 256.770000000002
Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.72 L/min Dilution Gas 0.40 L/min

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8
ClientSampleId :TUNE003

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	-6.0 V	Omega Lens	8.0 V	Deflect	15.6 V
Extract 2	-110.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-55 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	4.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	160 V		

QP Parameters

Mass Gain	103	Axis Gain	0.9959	QP Bias	-4.0 V
Mass Offset	126	Axis Offset	0.07		

Hardware Settings

Torch

Torch H	-0.2 mm	Torch V	1.4 mm		

EM

Discriminator	4.0 mV	Analog HV	2182 V	Pulse HV	1073 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		7673	76731.26			0.959	
89		8876	88758.75			0.844	
205		9620	96196.49			0.625	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	7764	7739	7613	7645	7605
89	8952	8958	8851	8819	8799
205	9673	9679	9572	9631	9544

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.72 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	-6.0 V	Omega Lens	8.0 V	Deflect	2.4 V

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8
ClientSampleId :TUNE003

US EPA Tune Check Report

Extract 2	-110.0 V	Cell Entrance	-50 V	Plate Bias	-60 V
Omega Bias	-55 V	Cell Exit	-70 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	4.5 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	200 V		

QP Parameters

Mass Gain	103	Axis Gain	0.9959	QP Bias	-13.0 V
Mass Offset	126	Axis Offset	0.07		

Hardware Settings

Torch

Torch H	-0.2 mm	Torch V	1.4 mm		

EM

Discriminator	4.0 mV	Analog HV	2182 V	Pulse HV	1073 V

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:40:45	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.36	-0.46	0.10	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.00	0.00	0.00	0.00	N/A	ppb
Barium	135-1	0.00	-0.01	0.00	0.00	N/A	ppb
Barium	137-1	0.00	0.00	0.00	0.00	N/A	ppb
Beryllium	9-1	0.02	-0.01	-0.01	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Cadmium	108-1	0.08	-0.02	-0.06	0.00	N/A	ppb
Cadmium	106-1	0.65	-0.32	-0.34	0.00	N/A	ppb
Cadmium	111-1	0.04	-0.02	-0.02	0.00	N/A	ppb
Calcium	43-1	-1.57	-1.22	2.79	0.00	N/A	ppb
Calcium	44-1	-0.59	0.48	0.11	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.06	0.09	-0.02	0.00	N/A	ppb
Cobalt	59-2	0.01	0.00	0.00	0.00	N/A	ppb
Copper	63-2	-0.12	0.04	0.08	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	54-2	0.46	0.03	-0.48	0.00	N/A	ppb
Iron	56-2	-0.11	-0.16	0.26	0.00	N/A	ppb
Iron	57-2	-0.54	-0.94	1.48	0.00	N/A	ppb
Krypton	83-1						cps
Lead	206-1	0.00	0.00	0.00	0.00	N/A	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:40:45	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	-0.01	0.01	0.00	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.01	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	-0.39	0.88	-0.49	0.00	N/A	ppb
Manganese	55-2	-0.07	0.04	0.03	0.00	N/A	ppb
Molybdenum	94-1	0.00	0.01	-0.01	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.01	-0.01	0.00	N/A	ppb
Molybdenum	96-1	-0.01	0.01	0.00	0.00	N/A	ppb
Molybdenum	97-1	0.00	0.00	-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	0.03	0.04	-0.07	0.00	N/A	ppb
Phosphorus	31-2	-23.88	-11.21	-47.36	-27.49		ppb
Potassium	39-2	-3.45	6.81	-3.36	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	-0.59	0.54	0.05	0.00	N/A	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.40	0.80	-0.40	0.00	N/A	ppb
Silicon	28-1	-0.02	0.00	0.02	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	-5.45	-0.04	5.49	0.00	N/A	ppb
Strontium	86-1	0.13	-0.15	0.02	0.00	N/A	ppb
Strontium	88-1	0.09	0.04	-0.13	0.00	N/A	ppb
Sulfur	34-1	54.46	2.18	38.81	31.82	84.32	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.00	0.01	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	0.00	-0.01	0.01	0.00	N/A	ppb
Titanium	47-1	-0.01	0.04	-0.03	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:40:45	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	-0.01	0.01	-0.01	0.00	N/A	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	0.13	0.05	-0.18	0.00	N/A	ppb
Zirconium	90-1	0.01	0.00	0.00	0.00	N/A	ppb
Zirconium	91-1	0.00	-0.01	0.00	0.00	N/A	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:44:12	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21.18	23.82	21.98	22.33	6.04	ppb
Antimony	121-1	1.94	2.02	2.00	1.99	2.27	ppb
Arsenic	75-2	0.84	0.97	0.90	0.90	7.30	ppb
Barium	135-1	10.02	10.61	10.16	10.27	3.02	ppb
Barium	137-1	10.86	10.42	10.30	10.53	2.81	ppb
Beryllium	9-1	1.01	1.02	1.08	1.04	3.63	ppb
Bismuth	209-1				100		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Cadmium	108-1	1.57	0.76	0.87	1.07	40.95	ppb
Cadmium	106-1	-0.10	1.98	1.03	0.97	107.08	ppb
Cadmium	111-1	0.88	1.11	1.23	1.08	16.72	ppb
Calcium	43-1	550.90	545.15	512.77	536.28	3.83	ppb
Calcium	44-1	517.21	525.32	513.34	518.63	1.18	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.22	2.18	1.84	2.08	9.96	ppb
Cobalt	59-2	1.09	1.05	0.96	1.03	6.59	ppb
Copper	63-2	2.21	2.15	1.90	2.09	7.98	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				102		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	54-2	56.88	54.20	50.39	53.82	6.06	ppb
Iron	56-2	54.61	52.74	49.80	52.39	4.62	ppb
Iron	57-2	57.84	53.07	51.92	54.28	5.78	ppb
Krypton	83-1						cps
Lead	206-1	1.02	0.96	0.96	0.98	3.63	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:44:12	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1.04	0.93	0.95	0.97	5.74	ppb
Lead	208-1	1.00	0.95	0.95	0.97	3.11	ppb
Lithium	6-1				99		%
Magnesium	24-2	547.34	554.45	505.57	535.79	4.93	ppb
Manganese	55-2	0.88	0.60	0.86	0.78	20.00	ppb
Molybdenum	94-1	5.93	5.79	6.18	5.97	3.29	ppb
Molybdenum	95-1	5.12	5.10	5.15	5.12	0.43	ppb
Molybdenum	96-1	5.28	5.03	5.18	5.17	2.41	ppb
Molybdenum	97-1	5.51	5.03	5.00	5.18	5.57	ppb
Molybdenum	98-1	5.14	5.16	5.09	5.13	0.70	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.05	1.06	0.92	1.01	7.74	ppb
Phosphorus	31-2	21.29	50.13	11.03	27.49	73.77	ppb
Potassium	39-2	516.63	497.97	479.29	497.96	3.75	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	82-1	5.35	5.32	6.96	5.88	16.01	ppb
Selenium	77-2	4.34	0.00	19.74	8.03	129.24	ppb
Selenium	78-2	5.78	4.42	4.09	4.76	18.82	ppb
Silicon	28-1	0.46	0.37	0.34	0.39	16.35	ppb
Silver	107-1	1.02	1.00	1.00	1.01	1.46	ppb
Silver	109-1	1.01	1.03	1.08	1.04	3.04	ppb
Sodium	23-2	520.66	529.94	488.40	513.00	4.25	ppb
Strontium	86-1	26.40	27.37	24.52	26.10	5.55	ppb
Strontium	88-1	26.53	24.48	25.08	25.36	4.16	ppb
Sulfur	34-1	90.05	-0.78	-184.74	-31.82		ppb
Terbium	159-1				100		%
Terbium	159-2				102		%
Thallium	203-1	0.92	0.97	0.92	0.94	3.04	ppb
Thallium	205-1	0.99	0.98	0.93	0.97	3.44	ppb
Tin	118-1	5.19	5.16	5.09	5.14	1.00	ppb
Titanium	47-1	5.60	5.10	5.15	5.28	5.20	ppb
Uranium	238-1	0.97	0.96	0.98	0.97	0.98	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:44:12	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	5.03	5.43	5.05	5.17	4.35	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				100		%
Zinc	66-2	5.51	5.30	5.00	5.27	4.88	ppb
Zirconium	90-1	0.99	0.94	1.02	0.99	3.93	ppb
Zirconium	91-1	1.04	1.04	0.93	1.00	6.17	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:47:42	DataFile Name :	006CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1252.50	1065.94	1045.32	1121.25	10.18	ppb
Antimony	121-1	47.60	47.53	45.23	46.79	2.88	ppb
Arsenic	75-2	57.90	50.78	50.62	53.10	7.83	ppb
Barium	135-1	234.60	238.08	226.04	232.91	2.66	ppb
Barium	137-1	238.27	239.95	228.99	235.74	2.50	ppb
Beryllium	9-1	48.26	48.91	47.50	48.22	1.47	ppb
Bismuth	209-1				103		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	52.47	49.92	49.90	50.76	2.92	ppb
Cadmium	106-1	53.51	50.72	49.84	51.36	3.73	ppb
Cadmium	111-1	51.68	51.64	48.27	50.53	3.88	ppb
Calcium	43-1	4794.59	4785.19	4587.61	4722.46	2.48	ppb
Calcium	44-1	4785.31	4739.76	4535.53	4686.87	2.84	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	62.21	53.41	50.56	55.39	10.97	ppb
Cobalt	59-2	63.40	53.69	52.65	56.58	10.48	ppb
Copper	63-2	617.64	524.89	508.86	550.47	10.67	ppb
Dysprosium	156-1						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				92		%
Indium	115-1				103		%
Indium	115-2				91		%
Iron	54-2	3079.96	2621.01	2561.20	2754.06	10.31	ppb
Iron	56-2	3043.89	2603.29	2507.22	2718.13	10.53	ppb
Iron	57-2	2950.40	2554.62	2427.47	2644.16	10.31	ppb
Krypton	83-1						cps
Lead	206-1	229.41	224.78	220.51	224.90	1.98	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:47:42	DataFile Name :	006CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	232.62	228.77	224.13	228.51	1.86	ppb
Lead	208-1	230.73	227.15	221.53	226.47	2.05	ppb
Lithium	6-1				101		%
Magnesium	24-2	6134.46	5147.41	5117.90	5466.59	10.58	ppb
Manganese	55-2	593.90	512.32	495.29	533.84	9.87	ppb
Molybdenum	94-1	474.73	474.09	457.74	468.86	2.05	ppb
Molybdenum	95-1	467.69	474.50	455.04	465.74	2.12	ppb
Molybdenum	96-1	467.66	469.16	451.88	462.90	2.07	ppb
Molybdenum	97-1	474.32	479.37	458.17	470.62	2.35	ppb
Molybdenum	98-1	498.30	489.17	477.79	488.42	2.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	60.31	52.46	50.79	54.52	9.32	ppb
Phosphorus	31-2	1065.40	1044.76	898.78	1002.98	9.06	ppb
Potassium	39-2	3021.13	2483.90	2441.69	2648.91	12.20	ppb
Rhodium	103-1				101		%
Rhodium	103-2				91		%
Scandium	45-1				102		%
Scandium	45-2				90		%
Selenium	82-1	50.01	50.94	54.94	51.97	5.04	ppb
Selenium	77-2	86.54	53.46	72.14	70.71	23.46	ppb
Selenium	78-2	51.68	60.38	56.28	56.11	7.75	ppb
Silicon	28-1	51.73	51.00	48.30	50.34	3.59	ppb
Silver	107-1	47.82	48.25	45.98	47.35	2.55	ppb
Silver	109-1	48.92	49.33	46.73	48.33	2.89	ppb
Sodium	23-2	6133.07	5162.68	5059.48	5451.75	10.86	ppb
Strontium	86-1	1250.68	1270.31	1216.90	1245.96	2.17	ppb
Strontium	88-1	1191.65	1196.38	1147.19	1178.41	2.30	ppb
Sulfur	34-1	1030.23	919.00	530.59	826.61	31.73	ppb
Terbium	159-1				103		%
Terbium	159-2				92		%
Thallium	203-1	46.18	45.23	43.80	45.07	2.66	ppb
Thallium	205-1	46.29	45.95	44.47	45.57	2.12	ppb
Tin	118-1	48.14	48.49	46.42	47.68	2.33	ppb
Titanium	47-1	484.35	480.20	456.50	473.68	3.17	ppb
Uranium	238-1	45.53	44.55	43.38	44.49	2.42	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:47:42	DataFile Name :	006CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	61.08	52.00	51.05	54.71	10.11	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				91		%
Zinc	66-2	626.36	533.00	515.23	558.20	10.69	ppb
Zirconium	90-1	47.27	46.93	45.35	46.52	2.20	ppb
Zirconium	91-1	47.49	46.66	45.75	46.63	1.86	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:51:07	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2474.56	2559.56	2590.88	2541.67	2.37	ppb
Antimony	121-1	109.31	128.03	118.42	118.59	7.89	ppb
Arsenic	75-2	117.74	119.69	123.96	120.47	2.64	ppb
Barium	135-1	539.56	640.61	592.80	590.99	8.55	ppb
Barium	137-1	545.76	651.98	596.65	598.13	8.88	ppb
Beryllium	9-1	113.04	129.44	122.27	121.58	6.76	ppb
Bismuth	209-1				102		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	120.26	139.92	129.91	130.03	7.56	ppb
Cadmium	106-1	115.63	138.77	127.71	127.37	9.09	ppb
Cadmium	111-1	117.44	139.16	128.51	128.37	8.46	ppb
Calcium	43-1	11078.64	12888.08	11969.62	11978.78	7.55	ppb
Calcium	44-1	11178.90	13221.13	12362.78	12254.27	8.37	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	122.77	127.59	128.16	126.17	2.35	ppb
Cobalt	59-2	126.60	129.58	132.12	129.43	2.14	ppb
Copper	63-2	1219.49	1251.63	1274.31	1248.48	2.21	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				99		%
Indium	115-1				102		%
Indium	115-2				97		%
Iron	54-2	6141.89	6226.27	6365.71	6244.62	1.81	ppb
Iron	56-2	6326.97	6531.82	6592.64	6483.81	2.15	ppb
Iron	57-2	5936.97	6072.36	6178.45	6062.59	2.00	ppb
Krypton	83-1						cps
Lead	206-1	565.20	652.75	614.30	610.75	7.19	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:51:07	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	563.10	662.83	619.04	614.99	8.13	ppb
Lead	208-1	569.88	653.52	615.71	613.04	6.83	ppb
Lithium	6-1				100		%
Magnesium	24-2	12180.26	12538.43	12650.33	12456.34	1.97	ppb
Manganese	55-2	1193.91	1221.13	1237.09	1217.37	1.79	ppb
Molybdenum	94-1	1124.47	1321.68	1232.57	1226.24	8.05	ppb
Molybdenum	95-1	1169.19	1372.09	1265.14	1268.80	8.00	ppb
Molybdenum	96-1	1152.35	1344.83	1258.55	1251.91	7.70	ppb
Molybdenum	97-1	1110.17	1327.43	1277.20	1238.27	9.19	ppb
Molybdenum	98-1	1144.92	1360.37	1253.31	1252.87	8.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	120.86	124.04	127.11	124.01	2.52	ppb
Phosphorus	31-2	2473.92	2762.13	2571.48	2602.51	5.63	ppb
Potassium	39-2	5858.04	6042.62	6110.21	6003.62	2.17	ppb
Rhodium	103-1				101		%
Rhodium	103-2				97		%
Scandium	45-1				101		%
Scandium	45-2				97		%
Selenium	82-1	121.06	130.15	129.23	126.81	3.95	ppb
Selenium	77-2	150.65	109.95	113.53	124.71	18.07	ppb
Selenium	78-2	126.87	146.23	107.57	126.89	15.23	ppb
Silicon	28-1	118.34	136.83	126.89	127.35	7.27	ppb
Silver	107-1	109.55	129.94	120.79	120.09	8.50	ppb
Silver	109-1	112.32	130.91	121.45	121.56	7.65	ppb
Sodium	23-2	12239.33	12468.15	12598.46	12435.31	1.46	ppb
Strontium	86-1	2892.53	3331.10	3143.13	3122.25	7.05	ppb
Strontium	88-1	2746.26	3214.80	3005.48	2988.85	7.85	ppb
Sulfur	34-1	1774.88	3054.38	2376.19	2401.82	26.65	ppb
Terbium	159-1				103		%
Terbium	159-2				98		%
Thallium	203-1	105.51	121.70	115.18	114.13	7.14	ppb
Thallium	205-1	106.71	124.35	117.13	116.06	7.64	ppb
Tin	118-1	110.89	129.34	119.93	120.05	7.68	ppb
Titanium	47-1	1117.25	1292.79	1198.19	1202.75	7.30	ppb
Uranium	238-1	104.78	121.53	115.15	113.82	7.43	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:51:07	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	121.51	124.09	127.25	124.28	2.31	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				98		%
Zinc	66-2	1247.96	1286.23	1296.97	1277.05	2.02	ppb
Zirconium	90-1	108.68	127.53	118.43	118.21	7.97	ppb
Zirconium	91-1	109.39	128.04	119.69	119.04	7.85	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:54:26	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5027.21	4944.98	5166.91	5046.37	2.22	ppb
Antimony	121-1	241.07	246.64	243.63	243.78	1.14	ppb
Arsenic	75-2	244.18	246.51	244.34	245.01	0.53	ppb
Barium	135-1	1200.14	1234.82	1213.34	1216.10	1.44	ppb
Barium	137-1	1277.78	1314.58	1270.19	1287.52	1.84	ppb
Beryllium	9-1	244.57	254.53	249.51	249.54	2.00	ppb
Bismuth	209-1				97		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	256.06	264.49	260.17	260.24	1.62	ppb
Cadmium	106-1	251.37	269.34	259.69	260.14	3.46	ppb
Cadmium	111-1	257.04	265.23	262.63	261.64	1.60	ppb
Calcium	43-1	24554.82	25364.08	24640.77	24853.22	1.79	ppb
Calcium	44-1	24935.08	25746.99	25325.24	25335.77	1.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	246.10	243.87	249.13	246.37	1.07	ppb
Cobalt	59-2	250.32	251.54	254.26	252.04	0.80	ppb
Copper	63-2	2547.33	2577.52	2587.45	2570.76	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				100		%
Holmium	165-2				100		%
Indium	115-1				98		%
Indium	115-2				97		%
Iron	54-2	12118.24	12200.26	12237.38	12185.29	0.50	ppb
Iron	56-2	12502.92	12662.67	12813.07	12659.55	1.23	ppb
Iron	57-2	11724.32	11884.44	12005.25	11871.34	1.19	ppb
Krypton	83-1						cps
Lead	206-1	1278.00	1299.68	1275.55	1284.41	1.03	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:54:26	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1293.79	1308.14	1276.04	1292.66	1.24	ppb
Lead	208-1	1271.33	1284.61	1271.01	1275.65	0.61	ppb
Lithium	6-1				95		%
Magnesium	24-2	24030.25	24077.79	24630.61	24246.22	1.38	ppb
Manganese	55-2	2362.58	2360.50	2408.21	2377.09	1.13	ppb
Molybdenum	94-1	2566.70	2607.25	2608.21	2594.05	0.91	ppb
Molybdenum	95-1	2524.11	2565.23	2575.43	2554.92	1.06	ppb
Molybdenum	96-1	2504.21	2587.78	2537.88	2543.29	1.65	ppb
Molybdenum	97-1	2551.94	2628.62	2547.03	2575.86	1.78	ppb
Molybdenum	98-1	2512.33	2612.51	2544.20	2556.34	2.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	237.23	242.23	247.63	242.37	2.14	ppb
Phosphorus	31-2	4715.85	4752.17	5268.92	4912.32	6.30	ppb
Potassium	39-2	11585.34	11605.24	11837.42	11676.00	1.20	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				97		%
Scandium	45-2				98		%
Selenium	82-1	254.68	259.74	264.62	259.68	1.91	ppb
Selenium	77-2	182.96	227.70	237.84	216.16	13.51	ppb
Selenium	78-2	252.51	233.30	230.16	238.66	5.07	ppb
Silicon	28-1	259.64	264.16	257.65	260.49	1.28	ppb
Silver	107-1	239.45	247.77	245.23	244.15	1.75	ppb
Silver	109-1	243.14	250.99	248.86	247.66	1.64	ppb
Sodium	23-2	25773.05	25812.55	26347.30	25977.63	1.23	ppb
Strontium	86-1	6317.75	6516.18	6388.62	6407.52	1.57	ppb
Strontium	88-1	6485.59	6541.04	6535.84	6520.82	0.47	ppb
Sulfur	34-1	5162.11	5511.77	5285.68	5319.85	3.33	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	235.75	239.44	240.02	238.40	0.97	ppb
Thallium	205-1	254.69	257.92	257.88	256.83	0.72	ppb
Tin	118-1	243.21	250.04	248.51	247.25	1.45	ppb
Titanium	47-1	2533.31	2645.70	2597.96	2592.32	2.18	ppb
Uranium	238-1	256.10	258.26	257.42	257.26	0.42	ppb

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:54:26	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	243.67	244.59	246.99	245.08	0.70	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				99		%
Zinc	66-2	2465.14	2470.83	2477.45	2471.14	0.25	ppb
Zirconium	90-1	256.85	260.64	253.70	257.06	1.35	ppb
Zirconium	91-1	241.99	247.50	244.63	244.71	1.13	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:57:36	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10522.08	10297.94	10466.51	10428.85	1.12	ppb
Antimony	121-1	508.26	504.74	501.90	504.97	0.63	ppb
Arsenic	75-2	512.68	508.26	499.02	506.65	1.38	ppb
Barium	135-1	2505.31	2561.48	2553.43	2540.07	1.20	ppb
Barium	137-1	2548.89	2521.37	2526.46	2532.24	0.58	ppb
Beryllium	9-1	479.28	495.86	479.05	484.73	1.99	ppb
Bismuth	209-1				96		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	508.55	515.91	511.54	512.00	0.72	ppb
Cadmium	106-1	502.68	510.37	516.61	509.89	1.37	ppb
Cadmium	111-1	505.59	511.18	506.91	507.89	0.58	ppb
Calcium	43-1	48028.47	49814.83	48273.74	48705.68	1.99	ppb
Calcium	44-1	48400.06	50239.17	48991.24	49210.16	1.91	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	512.33	503.27	514.34	509.98	1.16	ppb
Cobalt	59-2	516.67	510.19	516.08	514.31	0.70	ppb
Copper	63-2	5206.02	5215.44	5252.20	5224.55	0.47	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				97		%
Indium	115-1				97		%
Indium	115-2				93		%
Iron	54-2	24987.63	24907.09	25230.44	25041.72	0.67	ppb
Iron	56-2	26193.07	25603.92	25903.62	25900.20	1.14	ppb
Iron	57-2	24600.35	24096.17	24544.74	24413.75	1.13	ppb
Krypton	83-1						cps
Lead	206-1	2489.02	2485.40	2494.68	2489.70	0.19	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:57:36	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2482.16	2476.02	2521.13	2493.10	0.98	ppb
Lead	208-1	2483.69	2483.84	2506.15	2491.23	0.52	ppb
Lithium	6-1				95		%
Magnesium	24-2	52851.14	51898.72	53567.24	52772.36	1.59	ppb
Manganese	55-2	4931.93	4857.07	4885.81	4891.61	0.77	ppb
Molybdenum	94-1	4989.92	5083.87	5035.49	5036.43	0.93	ppb
Molybdenum	95-1	5014.25	5094.50	5068.25	5059.00	0.81	ppb
Molybdenum	96-1	4998.16	5060.35	5042.30	5033.60	0.64	ppb
Molybdenum	97-1	5030.07	5128.22	5021.62	5059.97	1.17	ppb
Molybdenum	98-1	5040.78	5074.28	5012.08	5042.38	0.62	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	497.65	492.56	495.76	495.32	0.52	ppb
Phosphorus	31-2	9865.34	10291.19	10460.32	10205.61	3.00	ppb
Potassium	39-2	24422.02	24054.02	24233.48	24236.50	0.76	ppb
Rhodium	103-1				95		%
Rhodium	103-2				93		%
Scandium	45-1				98		%
Scandium	45-2				94		%
Selenium	82-1	496.95	505.54	495.27	499.25	1.10	ppb
Selenium	77-2	541.62	478.46	486.84	502.31	6.83	ppb
Selenium	78-2	503.97	495.35	472.98	490.77	3.26	ppb
Silicon	28-1	509.39	516.89	505.06	510.44	1.17	ppb
Silver	107-1	517.48	505.30	512.84	511.87	1.20	ppb
Silver	109-1	511.69	513.01	508.94	511.21	0.41	ppb
Sodium	23-2	53587.14	52773.10	52646.79	53002.34	0.96	ppb
Strontium	86-1	12519.26	12731.76	12692.78	12647.93	0.89	ppb
Strontium	88-1	12522.77	12791.40	12504.41	12606.19	1.27	ppb
Sulfur	34-1	10071.41	10614.81	10015.73	10233.98	3.23	ppb
Terbium	159-1				100		%
Terbium	159-2				96		%
Thallium	203-1	500.73	501.80	501.37	501.30	0.11	ppb
Thallium	205-1	507.10	498.06	506.12	503.76	0.98	ppb
Tin	118-1	505.78	502.95	482.95	497.23	2.50	ppb
Titanium	47-1	5067.39	5168.06	5125.70	5120.38	0.99	ppb
Uranium	238-1	494.44	497.09	503.70	498.41	0.96	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:57:36	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	512.99	507.01	510.54	510.18	0.59	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				96		%
Zinc	66-2	5096.84	5045.86	5098.57	5080.42	0.59	ppb
Zirconium	90-1	503.69	512.71	509.26	508.55	0.89	ppb
Zirconium	91-1	476.29	492.08	484.87	484.41	1.63	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:00:42	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21122.54	19947.30	19410.31	20160.05	4.34	ppb
Antimony	121-1	998.60	1002.38	999.12	1000.03	0.20	ppb
Arsenic	75-2	1056.18	971.62	967.20	998.33	5.02	ppb
Barium	135-1	4955.18	5062.41	4963.04	4993.54	1.20	ppb
Barium	137-1	4935.52	5036.25	4963.95	4978.57	1.04	ppb
Beryllium	9-1	994.37	1022.17	1008.25	1008.27	1.38	ppb
Bismuth	209-1				94		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	972.59	1002.72	997.01	990.77	1.62	ppb
Cadmium	106-1	979.78	999.88	996.82	992.16	1.09	ppb
Cadmium	111-1	979.94	999.91	998.24	992.70	1.12	ppb
Calcium	43-1	93396.82	96336.81	97997.33	95910.32	2.43	ppb
Calcium	44-1	94295.10	98471.27	100602.70	97789.69	3.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1052.37	981.56	952.58	995.50	5.16	ppb
Cobalt	59-2	1041.36	980.13	952.86	991.45	4.57	ppb
Copper	63-2	10431.83	9703.86	9467.41	9867.70	5.09	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				101		%
Holmium	165-2				98		%
Indium	115-1				96		%
Indium	115-2				91		%
Iron	54-2	51007.12	47993.93	46511.19	48504.08	4.72	ppb
Iron	56-2	52092.68	49176.01	48030.89	49766.53	4.21	ppb
Iron	57-2	49485.24	46615.20	45371.36	47157.26	4.47	ppb
Krypton	83-1						cps
Lead	206-1	4941.59	5045.39	5011.77	4999.58	1.06	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:00:42	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	4944.24	5018.31	5022.77	4995.11	0.88	ppb
Lead	208-1	4968.03	5030.66	5003.25	5000.65	0.63	ppb
Lithium	6-1				94		%
Magnesium	24-2	105530.37	99703.51	96034.77	100422.88	4.77	ppb
Manganese	55-2	10584.02	9931.68	9746.24	10087.31	4.36	ppb
Molybdenum	94-1	9776.02	10077.34	10035.05	9962.80	1.64	ppb
Molybdenum	95-1	9857.40	9983.33	10027.66	9956.13	0.89	ppb
Molybdenum	96-1	9888.27	10024.38	10009.32	9973.99	0.75	ppb
Molybdenum	97-1	9913.87	9937.33	10010.75	9953.99	0.51	ppb
Molybdenum	98-1	9834.49	10030.76	10029.58	9964.94	1.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1054.71	994.06	963.67	1004.15	4.62	ppb
Phosphorus	31-2	21286.30	19618.23	18813.92	19906.15	6.34	ppb
Potassium	39-2	49663.98	46558.48	45378.82	47200.43	4.69	ppb
Rhodium	103-1				94		%
Rhodium	103-2				92		%
Scandium	45-1				99		%
Scandium	45-2				98		%
Selenium	82-1	983.90	1007.04	1001.93	997.62	1.22	ppb
Selenium	77-2	1082.74	955.30	980.83	1006.29	6.70	ppb
Selenium	78-2	1086.99	971.39	962.35	1006.91	6.90	ppb
Silicon	28-1	974.24	993.14	1008.44	991.94	1.73	ppb
Silver	107-1	984.14	1001.96	1002.72	996.27	1.06	ppb
Silver	109-1	994.60	996.29	995.59	995.49	0.09	ppb
Sodium	23-2	107255.71	100749.23	97885.41	101963.45	4.71	ppb
Strontium	86-1	24722.28	25028.74	24863.40	24871.47	0.62	ppb
Strontium	88-1	24763.05	25016.04	24868.05	24882.38	0.51	ppb
Sulfur	34-1	19130.77	19999.07	20342.13	19823.99	3.15	ppb
Terbium	159-1				101		%
Terbium	159-2				97		%
Thallium	203-1	997.65	1010.92	1003.00	1003.85	0.67	ppb
Thallium	205-1	992.09	994.91	1006.26	997.75	0.75	ppb
Tin	118-1	1003.30	1002.96	1002.16	1002.81	0.06	ppb
Titanium	47-1	9604.58	10052.92	10114.35	9923.95	2.80	ppb
Uranium	238-1	994.78	1004.34	1002.84	1000.65	0.51	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:00:42	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	1045.80	981.91	960.26	995.99	4.47	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				98		%
Zinc	66-2	10447.77	9874.42	9559.94	9960.71	4.52	ppb
Zirconium	90-1	978.97	1001.16	1004.81	994.98	1.41	ppb
Zirconium	91-1	998.13	1013.23	1018.74	1010.03	1.06	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:03:43	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	102986.74	101078.51	95696.34	99920.53	3.78	ppb
Antimony	121-1	0.43	0.39	0.41	0.41	4.88	ppb
Arsenic	75-2	0.44	0.49	0.67	0.53	22.57	ppb
Barium	135-1	2.78	2.66	2.38	2.60	8.00	ppb
Barium	137-1	2.62	2.68	2.60	2.63	1.57	ppb
Beryllium	9-1	0.49	0.42	0.45	0.45	8.10	ppb
Bismuth	209-1				76		%
Bismuth	209-2				74		%
Bromine	81-1						cps
Cadmium	108-1	0.67	1.03	0.89	0.86	20.68	ppb
Cadmium	106-1	-0.70	-0.18	0.82	-0.02		ppb
Cadmium	111-1	0.34	0.26	0.28	0.29	15.31	ppb
Calcium	43-1	494252.38	508718.79	499940.26	500970.48	1.45	ppb
Calcium	44-1	497707.61	500552.47	503280.46	500513.51	0.56	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.23	2.21	2.26	2.23	1.29	ppb
Cobalt	59-2	2.20	2.11	2.11	2.14	2.50	ppb
Copper	63-2	1.45	1.40	1.10	1.32	14.56	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				87		%
Holmium	165-2				83		%
Indium	115-1				81		%
Indium	115-2				77		%
Iron	54-2	256486.70	255087.47	239350.85	250308.34	3.80	ppb
Iron	56-2	256858.40	254247.81	238715.80	249940.67	3.92	ppb
Iron	57-2	259025.97	254274.32	238685.26	250661.85	4.25	ppb
Krypton	83-1						cps
Lead	206-1	0.99	0.91	0.95	0.95	4.07	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:03:43	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.97	0.87	0.97	0.94	6.31	ppb
Lead	208-1	0.98	0.88	0.91	0.92	5.51	ppb
Lithium	6-1				79		%
Magnesium	24-2	514536.21	506657.77	477822.81	499672.27	3.87	ppb
Manganese	55-2	3.52	3.88	3.25	3.55	8.96	ppb
Molybdenum	94-1	4.93	4.61	4.49	4.68	4.77	ppb
Molybdenum	95-1	1.78	1.74	1.76	1.76	1.29	ppb
Molybdenum	96-1	3.17	2.87	2.74	2.93	7.45	ppb
Molybdenum	97-1	1.92	1.72	1.58	1.74	10.07	ppb
Molybdenum	98-1	1.67	1.65	1.48	1.60	6.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.98	3.26	2.70	2.98	9.39	ppb
Phosphorus	31-2	-8.84	-8.86	-3.20	-6.96		ppb
Potassium	39-2	256330.90	254273.52	241441.99	250682.14	3.22	ppb
Rhodium	103-1				77		%
Rhodium	103-2				72		%
Scandium	45-1				84		%
Scandium	45-2				79		%
Selenium	82-1	0.94	-0.06	0.83	0.57	96.49	ppb
Selenium	77-2	5.18	0.00	0.00	1.73	173.21	ppb
Selenium	78-2	-0.40	-0.40	-0.40	-0.40		ppb
Silicon	28-1	2.08	1.79	1.60	1.82	13.35	ppb
Silver	107-1	0.16	0.11	0.15	0.14	20.09	ppb
Silver	109-1	0.16	0.15	0.13	0.15	9.92	ppb
Sodium	23-2	519062.98	504655.34	474047.52	499255.28	4.60	ppb
Strontium	86-1	79.03	76.61	74.49	76.71	2.96	ppb
Strontium	88-1	76.48	77.57	77.03	77.02	0.71	ppb
Sulfur	34-1	182.32	239.60	244.78	222.23	15.60	ppb
Terbium	159-1				87		%
Terbium	159-2				83		%
Thallium	203-1	0.13	0.12	0.09	0.12	17.08	ppb
Thallium	205-1	0.15	0.13	0.11	0.13	18.59	ppb
Tin	118-1	0.27	0.25	0.24	0.26	5.86	ppb
Titanium	47-1	2.10	2.09	1.83	2.01	7.56	ppb
Uranium	238-1	0.11	0.07	0.08	0.09	23.21	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:03:43	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.29	0.33	0.29	0.30	7.72	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				85		%
Yttrium	89-2				82		%
Zinc	66-2	5.39	5.80	4.98	5.39	7.68	ppb
Zirconium	90-1	1.79	1.70	1.74	1.74	2.36	ppb
Zirconium	91-1	1.82	1.91	1.83	1.85	2.60	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICV003	Instrumnet Name :	P8
Client Sample ID :	ICV003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:22:39	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	494.99	479.94	482.39	485.77	1.66	ppb
Antimony	121-1	182.27	205.79	197.81	195.29	6.12	ppb
Arsenic	75-2	189.84	195.45	197.53	194.27	2.05	ppb
Barium	135-1	96.30	108.71	103.86	102.95	6.07	ppb
Barium	137-1	97.01	109.73	105.90	104.21	6.26	ppb
Beryllium	9-1	99.33	107.49	106.22	104.35	4.20	ppb
Bismuth	209-1				89		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Cadmium	108-1	112.10	135.66	124.45	124.07	9.50	ppb
Cadmium	106-1	83.74	93.79	88.04	88.52	5.70	ppb
Cadmium	111-1	100.68	112.22	108.66	107.19	5.51	ppb
Calcium	43-1	1894.20	2125.94	2012.44	2010.86	5.76	ppb
Calcium	44-1	1877.85	2092.36	2019.60	1996.61	5.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	102.74	100.35	102.66	101.92	1.33	ppb
Cobalt	59-2	105.48	102.23	104.48	104.06	1.60	ppb
Copper	63-2	106.53	104.80	105.06	105.46	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				88		%
Holmium	165-2				93		%
Indium	115-1				88		%
Indium	115-2				90		%
Iron	54-2	2066.93	2080.63	2084.67	2077.41	0.45	ppb
Iron	56-2	2046.82	1995.49	2021.21	2021.18	1.27	ppb
Iron	57-2	1979.46	1966.27	2013.34	1986.36	1.22	ppb
Krypton	83-1						cps
Lead	206-1	188.55	213.48	206.24	202.76	6.33	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICV003	Instrumnet Name :	P8
Client Sample ID :	ICV003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:22:39	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	183.00	207.55	200.22	196.93	6.40	ppb
Lead	208-1	185.41	210.14	201.79	199.11	6.32	ppb
Lithium	6-1				80		%
Magnesium	24-2	1128.16	1129.28	1132.84	1130.09	0.22	ppb
Manganese	55-2	101.62	96.87	101.03	99.84	2.59	ppb
Molybdenum	94-1	3922.78	4401.81	4250.88	4191.82	5.84	ppb
Molybdenum	95-1	4856.67	5398.96	5144.04	5133.23	5.29	ppb
Molybdenum	96-1	4706.53	5220.14	5066.11	4997.59	5.27	ppb
Molybdenum	97-1	4830.89	5420.31	5211.33	5154.18	5.80	ppb
Molybdenum	98-1	4807.44	5368.64	5164.06	5113.38	5.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	103.01	98.39	101.54	100.98	2.34	ppb
Phosphorus	31-2	-19.34	-13.40	-26.74	-19.83		ppb
Potassium	39-2	2005.35	1941.77	1977.25	1974.79	1.61	ppb
Rhodium	103-1				86		%
Rhodium	103-2				91		%
Scandium	45-1				84		%
Scandium	45-2				87		%
Selenium	82-1	203.46	228.81	216.42	216.23	5.86	ppb
Selenium	77-2	185.64	213.19	172.47	190.43	10.91	ppb
Selenium	78-2	197.46	197.18	212.89	202.51	4.44	ppb
Silicon	28-1	-0.01	0.33	0.21	0.18	95.17	ppb
Silver	107-1	46.57	52.69	50.31	49.86	6.19	ppb
Silver	109-1	46.83	53.31	50.74	50.30	6.49	ppb
Sodium	23-2	2078.29	2016.91	2077.59	2057.60	1.71	ppb
Strontium	86-1	7.18	6.38	5.84	6.47	10.47	ppb
Strontium	88-1	5.66	6.87	5.91	6.15	10.40	ppb
Sulfur	34-1	-303.25	335.31	16.96	16.34	1953.71	ppb
Terbium	159-1				89		%
Terbium	159-2				92		%
Thallium	203-1	178.63	202.47	194.08	191.73	6.31	ppb
Thallium	205-1	195.65	216.33	213.06	208.35	5.34	ppb
Tin	118-1	0.06	0.07	0.04	0.06	23.26	ppb
Titanium	47-1	0.15	0.28	0.24	0.22	31.13	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	89.87	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICV003	Instrumnet Name :	P8
Client Sample ID :	ICV003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:22:39	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	100.33	97.63	98.75	98.90	1.37	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				85		%
Yttrium	89-2				90		%
Zinc	66-2	208.08	200.34	208.44	205.62	2.23	ppb
Zirconium	90-1	0.01	0.01	0.00	0.01	53.45	ppb
Zirconium	91-1	0.10	0.07	0.09	0.09	17.00	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICB003	Instrumnet Name :	P8
Client Sample ID :	ICB003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:26:13	DataFile Name :	013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.85	-0.14	-0.46	0.08	842.26	ppb
Antimony	121-1	0.07	0.06	0.05	0.06	10.28	ppb
Arsenic	75-2	0.06	0.00	0.00	0.02	173.21	ppb
Barium	135-1	0.09	0.09	0.09	0.09	5.48	ppb
Barium	137-1	0.06	0.09	0.10	0.08	21.35	ppb
Beryllium	9-1	0.08	0.09	0.07	0.08	12.97	ppb
Bismuth	209-1				92		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	0.06	-0.05	-0.05	-0.02		ppb
Cadmium	106-1	-1.20	-1.28	0.06	-0.81		ppb
Cadmium	111-1	-0.06	-0.08	0.02	-0.04		ppb
Calcium	43-1	-0.95	1.26	-3.95	-1.21		ppb
Calcium	44-1	-0.89	-1.08	-1.15	-1.04		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	-0.06	0.00	-0.02		ppb
Cobalt	59-2	0.00	0.00	-0.01	-0.01		ppb
Copper	63-2	0.05	-0.04	-0.02	-0.01		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				92		%
Holmium	165-2				92		%
Indium	115-1				91		%
Indium	115-2				89		%
Iron	54-2	1.55	0.69	-0.23	0.67	132.30	ppb
Iron	56-2	0.10	0.15	-0.06	0.07	166.11	ppb
Iron	57-2	0.15	-0.24	2.02	0.64	187.77	ppb
Krypton	83-1						cps
Lead	206-1	0.04	0.04	0.04	0.04	3.57	ppb

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICB003	Instrumnet Name :	P8
Client Sample ID :	ICB003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:26:13	DataFile Name :	013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.05	0.06	0.06	0.05	14.68	ppb
Lead	208-1	0.04	0.04	0.04	0.04	3.73	ppb
Lithium	6-1				83		%
Magnesium	24-2	-0.01	-1.01	-0.58	-0.54		ppb
Manganese	55-2	-0.19	-0.48	-0.40	-0.36		ppb
Molybdenum	94-1	0.31	0.23	0.21	0.25	21.11	ppb
Molybdenum	95-1	0.40	0.31	0.25	0.32	22.80	ppb
Molybdenum	96-1	0.37	0.32	0.23	0.31	24.39	ppb
Molybdenum	97-1	0.35	0.30	0.23	0.29	20.64	ppb
Molybdenum	98-1	0.38	0.39	0.24	0.34	25.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	0.03	-0.01	0.00		ppb
Phosphorus	31-2	-33.37	-5.99	-40.38	-26.58		ppb
Potassium	39-2	89.25	74.08	87.95	83.76	10.03	ppb
Rhodium	103-1				91		%
Rhodium	103-2				90		%
Scandium	45-1				87		%
Scandium	45-2				86		%
Selenium	82-1	0.30	0.65	0.02	0.32	96.61	ppb
Selenium	77-2	4.72	0.00	4.71	3.14	86.60	ppb
Selenium	78-2	-0.40	0.93	-0.40	0.05	1670.00	ppb
Silicon	28-1	0.01	0.01	-0.02	0.00		ppb
Silver	107-1	0.03	0.03	0.03	0.03	9.44	ppb
Silver	109-1	0.03	0.03	0.03	0.03	7.15	ppb
Sodium	23-2	129.69	121.10	120.39	123.73	4.18	ppb
Strontium	86-1	0.54	0.33	0.51	0.46	24.72	ppb
Strontium	88-1	-0.18	0.01	0.05	-0.04		ppb
Sulfur	34-1	-77.48	-8.60	54.75	-10.45		ppb
Terbium	159-1				92		%
Terbium	159-2				91		%
Thallium	203-1	0.02	0.02	0.01	0.02	14.88	ppb
Thallium	205-1	0.02	0.03	0.02	0.02	25.97	ppb
Tin	118-1	-0.01	-0.02	0.01	0.00		ppb
Titanium	47-1	0.02	-0.04	-0.02	-0.01		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICB003	Instrumnet Name :	P8
Client Sample ID :	ICB003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:26:13	DataFile Name :	013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.01	-0.01	0.00	763.91	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				89		%
Yttrium	89-2				89		%
Zinc	66-2	0.06	0.09	0.17	0.11	53.32	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	58.99	ppb
Zirconium	91-1	0.01	0.00	0.00	0.00	363.78	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICSA003	Instrumnet Name :	P8
Client Sample ID :	ICSA003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:29:43	DataFile Name :	014ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	91961.74	91107.91	92058.58	91709.41	0.57	ppb
Antimony	121-1	1.00	1.09	1.09	1.06	5.20	ppb
Arsenic	75-2	0.44	0.33	0.16	0.31	44.81	ppb
Barium	135-1	1.35	1.39	1.38	1.37	1.41	ppb
Barium	137-1	1.41	1.49	1.46	1.45	2.91	ppb
Beryllium	9-1	0.32	0.31	0.30	0.31	2.40	ppb
Bismuth	209-1				87		%
Bismuth	209-2				87		%
Bromine	81-1						cps
Cadmium	108-1	10.94	10.41	11.28	10.88	4.03	ppb
Cadmium	106-1	-0.76	0.05	-0.46	-0.39		ppb
Cadmium	111-1	0.25	0.58	0.34	0.39	43.47	ppb
Calcium	43-1	98093.40	96859.10	96541.50	97164.67	0.84	ppb
Calcium	44-1	100003.63	98545.66	98815.69	99121.66	0.78	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.07	18.47	19.31	18.95	2.28	ppb
Cobalt	59-2	1.17	1.15	1.16	1.16	0.74	ppb
Copper	63-2	7.35	7.61	7.52	7.49	1.79	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				93		%
Holmium	165-2				95		%
Indium	115-1				89		%
Indium	115-2				89		%
Iron	54-2	104242.22	101696.16	102869.86	102936.08	1.24	ppb
Iron	56-2	101613.48	101448.85	103217.05	102093.13	0.96	ppb
Iron	57-2	95783.04	95575.09	96561.28	95973.14	0.54	ppb
Krypton	83-1						cps
Lead	206-1	4.51	4.55	4.62	4.56	1.20	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICSA003	Instrumnet Name :	P8
Client Sample ID :	ICSA003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:29:43	DataFile Name :	014ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	4.33	4.08	4.17	4.19	3.10	ppb
Lead	208-1	4.32	4.25	4.34	4.30	1.02	ppb
Lithium	6-1				83		%
Magnesium	24-2	95184.93	94186.07	94399.34	94590.11	0.56	ppb
Manganese	55-2	6.45	6.31	6.30	6.35	1.33	ppb
Molybdenum	94-1	1640.60	1651.15	1651.09	1647.61	0.37	ppb
Molybdenum	95-1	2003.84	2031.94	2035.67	2023.82	0.86	ppb
Molybdenum	96-1	1962.22	1994.24	1982.94	1979.80	0.82	ppb
Molybdenum	97-1	2026.67	2044.75	2013.52	2028.32	0.77	ppb
Molybdenum	98-1	1987.71	2028.02	1997.79	2004.50	1.05	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.94	5.40	4.63	4.99	7.83	ppb
Phosphorus	31-2	100978.24	101054.90	100843.02	100958.72	0.11	ppb
Potassium	39-2	98532.58	98313.30	99312.21	98719.36	0.53	ppb
Rhodium	103-1				86		%
Rhodium	103-2				88		%
Scandium	45-1				89		%
Scandium	45-2				91		%
Selenium	82-1	0.85	0.16	1.23	0.75	72.15	ppb
Selenium	77-2	0.00	0.00	4.49	1.50	173.21	ppb
Selenium	78-2	-0.40	-0.40	-0.40	-0.40		ppb
Silicon	28-1	1.68	1.60	1.60	1.62	2.82	ppb
Silver	107-1	0.09	0.07	0.06	0.07	23.32	ppb
Silver	109-1	0.09	0.08	0.07	0.08	14.24	ppb
Sodium	23-2	100347.30	98854.72	101037.62	100079.88	1.11	ppb
Strontium	86-1	841.16	823.57	823.91	829.55	1.21	ppb
Strontium	88-1	788.47	788.71	785.87	787.68	0.20	ppb
Sulfur	34-1	85061.15	82791.22	81953.92	83268.76	1.93	ppb
Terbium	159-1				94		%
Terbium	159-2				94		%
Thallium	203-1	0.10	0.11	0.11	0.11	6.16	ppb
Thallium	205-1	0.11	0.10	0.11	0.11	6.99	ppb
Tin	118-1	0.19	0.17	0.18	0.18	3.61	ppb
Titanium	47-1	2016.04	1989.91	1987.58	1997.84	0.79	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	2.79	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICSA003	Instrumnet Name :	P8
Client Sample ID :	ICSA003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:29:43	DataFile Name :	014ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.17	0.14	0.17	0.16	8.47	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				91		%
Yttrium	89-2				93		%
Zinc	66-2	11.64	10.43	10.24	10.77	7.05	ppb
Zirconium	90-1	0.02	0.03	0.02	0.02	32.02	ppb
Zirconium	91-1	0.03	0.02	0.02	0.02	34.22	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICSAB003	Instrumnet Name :	P8
Client Sample ID :	ICSAB003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:32:57	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	92177.28	92630.35	92553.04	92453.56	0.26	ppb
Antimony	121-1	20.14	20.12	19.61	19.95	1.51	ppb
Arsenic	75-2	21.27	22.57	19.08	20.98	8.42	ppb
Barium	135-1	21.66	21.04	21.27	21.32	1.48	ppb
Barium	137-1	21.23	21.35	20.98	21.19	0.88	ppb
Beryllium	9-1	20.87	20.72	20.73	20.77	0.41	ppb
Bismuth	209-1				88		%
Bismuth	209-2				88		%
Bromine	81-1						cps
Cadmium	108-1	28.39	27.40	24.81	26.87	6.89	ppb
Cadmium	106-1	15.38	15.16	14.19	14.91	4.23	ppb
Cadmium	111-1	20.42	19.76	20.28	20.15	1.73	ppb
Calcium	43-1	98540.84	97490.44	98214.40	98081.89	0.55	ppb
Calcium	44-1	100875.35	99473.47	99707.38	100018.73	0.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	38.46	39.20	39.81	39.16	1.72	ppb
Cobalt	59-2	21.35	21.62	21.29	21.42	0.82	ppb
Copper	63-2	27.19	27.40	27.75	27.44	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				96		%
Holmium	165-2				94		%
Indium	115-1				92		%
Indium	115-2				90		%
Iron	54-2	102374.55	102185.25	103919.53	102826.44	0.93	ppb
Iron	56-2	101941.20	102846.17	102924.48	102570.62	0.53	ppb
Iron	57-2	96384.26	96825.43	97803.62	97004.44	0.75	ppb
Krypton	83-1						cps
Lead	206-1	24.80	24.99	24.60	24.80	0.79	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICSAB003	Instrumnet Name :	P8
Client Sample ID :	ICSAB003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:32:57	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	24.12	24.34	23.82	24.09	1.08	ppb
Lead	208-1	24.14	24.35	24.03	24.17	0.69	ppb
Lithium	6-1				86		%
Magnesium	24-2	95841.97	95630.97	96221.72	95898.22	0.31	ppb
Manganese	55-2	25.64	24.50	25.87	25.34	2.88	ppb
Molybdenum	94-1	1637.58	1667.53	1640.03	1648.38	1.01	ppb
Molybdenum	95-1	2070.15	2023.78	2021.34	2038.42	1.35	ppb
Molybdenum	96-1	2001.08	1997.99	1960.25	1986.44	1.14	ppb
Molybdenum	97-1	2062.31	2054.61	2039.69	2052.20	0.56	ppb
Molybdenum	98-1	2023.92	2012.94	2007.78	2014.88	0.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	23.52	23.83	24.59	23.98	2.29	ppb
Phosphorus	31-2	103353.67	104189.69	104053.87	103865.74	0.43	ppb
Potassium	39-2	100422.73	101285.17	100394.66	100700.85	0.50	ppb
Rhodium	103-1				88		%
Rhodium	103-2				88		%
Scandium	45-1				92		%
Scandium	45-2				91		%
Selenium	82-1	21.00	19.21	18.99	19.73	5.58	ppb
Selenium	77-2	8.98	13.37	4.44	8.93	50.00	ppb
Selenium	78-2	13.63	13.53	18.55	15.24	18.81	ppb
Silicon	28-1	1.81	1.82	1.81	1.81	0.17	ppb
Silver	107-1	18.48	18.62	18.64	18.58	0.47	ppb
Silver	109-1	18.65	18.99	18.78	18.81	0.92	ppb
Sodium	23-2	102309.94	102925.42	103069.13	102768.16	0.39	ppb
Strontium	86-1	835.64	845.21	831.11	837.32	0.86	ppb
Strontium	88-1	807.62	799.34	802.57	803.18	0.52	ppb
Sulfur	34-1	84946.51	85694.87	82899.82	84513.73	1.71	ppb
Terbium	159-1				96		%
Terbium	159-2				94		%
Thallium	203-1	19.79	19.78	19.65	19.74	0.40	ppb
Thallium	205-1	20.05	19.94	20.09	20.03	0.39	ppb
Tin	118-1	0.20	0.14	0.14	0.16	21.80	ppb
Titanium	47-1	2033.93	2019.24	2008.22	2020.46	0.64	ppb
Uranium	238-1	0.01	0.02	0.02	0.01	22.76	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICSAB003	Instrumnet Name :	P8
Client Sample ID :	ICSAB003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:32:57	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	20.15	19.63	19.12	19.63	2.64	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				93		%
Yttrium	89-2				94		%
Zinc	66-2	30.45	31.07	31.87	31.13	2.30	ppb
Zirconium	90-1	0.01	0.02	0.02	0.02	55.53	ppb
Zirconium	91-1	-0.01	0.02	0.01	0.01	147.29	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCV013	Instrumnet Name :	P8
Client Sample ID :	CCV013	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:39:35	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49947.08	49591.28	48528.21	49355.52	1.50	ppb
Antimony	121-1	491.48	502.78	503.70	499.32	1.36	ppb
Arsenic	75-2	502.52	491.01	489.82	494.45	1.42	ppb
Barium	135-1	2509.74	2564.64	2596.63	2557.00	1.72	ppb
Barium	137-1	2487.13	2522.12	2551.52	2520.26	1.28	ppb
Beryllium	9-1	495.29	506.23	518.81	506.78	2.32	ppb
Bismuth	209-1				81		%
Bismuth	209-2				80		%
Bromine	81-1						cps
Cadmium	108-1	480.11	490.28	500.92	490.44	2.12	ppb
Cadmium	106-1	480.52	492.79	498.83	490.71	1.90	ppb
Cadmium	111-1	476.54	491.99	495.88	488.13	2.10	ppb
Calcium	43-1	246296.91	257257.55	248088.47	250547.64	2.35	ppb
Calcium	44-1	242988.32	254291.06	245619.35	247632.91	2.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	493.51	501.29	490.34	495.04	1.14	ppb
Cobalt	59-2	493.74	496.93	486.53	492.40	1.08	ppb
Copper	63-2	4880.15	4904.83	4854.10	4879.69	0.52	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				88		%
Holmium	165-2				88		%
Indium	115-1				84		%
Indium	115-2				81		%
Iron	54-2	126064.72	127996.26	123745.31	125935.43	1.69	ppb
Iron	56-2	124467.65	125462.85	121948.49	123959.66	1.46	ppb
Iron	57-2	117715.28	118255.01	116010.22	117326.84	1.00	ppb
Krypton	83-1						cps
Lead	206-1	2507.53	2597.38	2603.64	2569.52	2.09	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCV013	Instrumnet Name :	P8
Client Sample ID :	CCV013	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:39:35	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2505.90	2617.83	2599.34	2574.36	2.33	ppb
Lead	208-1	2508.58	2607.16	2583.99	2566.58	2.01	ppb
Lithium	6-1				79		%
Magnesium	24-2	247173.17	245787.05	238759.67	243906.63	1.85	ppb
Manganese	55-2	4750.33	4745.97	4674.18	4723.49	0.91	ppb
Molybdenum	94-1	4979.30	5068.60	5194.57	5080.82	2.13	ppb
Molybdenum	95-1	4973.44	5092.42	5181.27	5082.38	2.05	ppb
Molybdenum	96-1	4972.46	5138.42	5208.00	5106.29	2.37	ppb
Molybdenum	97-1	5014.08	5174.27	5188.85	5125.73	1.89	ppb
Molybdenum	98-1	4951.17	5152.00	5160.64	5087.94	2.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	480.15	484.71	475.98	480.28	0.91	ppb
Phosphorus	31-2	9663.47	9699.29	9716.79	9693.18	0.28	ppb
Potassium	39-2	123764.43	123961.14	120146.40	122623.99	1.75	ppb
Rhodium	103-1				81		%
Rhodium	103-2				79		%
Scandium	45-1				85		%
Scandium	45-2				83		%
Selenium	82-1	466.63	500.64	514.00	493.75	4.95	ppb
Selenium	77-2	399.67	530.53	586.13	505.44	18.94	ppb
Selenium	78-2	463.81	506.42	491.04	487.09	4.43	ppb
Silicon	28-1	518.97	543.90	521.56	528.14	2.59	ppb
Silver	107-1	492.44	505.27	508.75	502.15	1.71	ppb
Silver	109-1	495.82	506.39	514.56	505.59	1.86	ppb
Sodium	23-2	248259.52	248205.55	243917.55	246794.20	1.01	ppb
Strontium	86-1	12332.03	12870.67	12892.18	12698.29	2.50	ppb
Strontium	88-1	12512.01	12775.65	12990.69	12759.45	1.88	ppb
Sulfur	34-1	9783.31	10623.38	9982.22	10129.63	4.33	ppb
Terbium	159-1				89		%
Terbium	159-2				87		%
Thallium	203-1	501.48	515.59	524.70	513.93	2.28	ppb
Thallium	205-1	506.47	527.54	525.92	519.98	2.25	ppb
Tin	118-1	467.65	481.46	482.87	477.33	1.76	ppb
Titanium	47-1	5105.97	5302.96	5125.65	5178.19	2.10	ppb
Uranium	238-1	515.81	546.00	543.59	535.13	3.14	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCV013	Instrumnet Name :	P8
Client Sample ID :	CCV013	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:39:35	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	501.63	502.61	492.00	498.74	1.18	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				87		%
Yttrium	89-2				85		%
Zinc	66-2	4836.84	4813.83	4751.97	4800.88	0.91	ppb
Zirconium	90-1	512.14	522.08	529.04	521.09	1.63	ppb
Zirconium	91-1	483.88	497.54	502.68	494.70	1.96	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCB013	Instrumnet Name :	P8
Client Sample ID :	CCB013	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:48:00	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.21	0.89	1.90	1.00	85.12	ppb
Antimony	121-1	0.03	0.02	0.03	0.03	18.15	ppb
Arsenic	75-2	0.06	0.00	0.06	0.04	86.61	ppb
Barium	135-1	0.15	0.11	0.11	0.12	18.93	ppb
Barium	137-1	0.11	0.11	0.10	0.11	4.85	ppb
Beryllium	9-1	0.16	0.15	0.15	0.15	3.90	ppb
Bismuth	209-1				90		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	-0.10	-0.11	-0.10	-0.10		ppb
Cadmium	106-1	-1.28	-1.82	0.30	-0.93		ppb
Cadmium	111-1	-0.07	-0.13	0.02	-0.06		ppb
Calcium	43-1	-3.62	-0.84	-0.82	-1.76		ppb
Calcium	44-1	-0.83	-0.40	-1.00	-0.74		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	-0.02	-0.05	-0.03		ppb
Cobalt	59-2	0.03	0.01	0.02	0.02	39.92	ppb
Copper	63-2	0.16	0.01	0.12	0.10	79.16	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				90		%
Holmium	165-2				90		%
Indium	115-1				89		%
Indium	115-2				87		%
Iron	54-2	1.58	1.57	5.00	2.72	72.69	ppb
Iron	56-2	3.70	2.85	3.55	3.37	13.47	ppb
Iron	57-2	1.86	4.90	9.32	5.36	69.98	ppb
Krypton	83-1						cps
Lead	206-1	0.08	0.08	0.08	0.08	5.20	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCB013	Instrumnet Name :	P8
Client Sample ID :	CCB013	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:48:00	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.12	0.10	0.10	0.10	11.91	ppb
Lead	208-1	0.09	0.09	0.09	0.09	1.16	ppb
Lithium	6-1				79		%
Magnesium	24-2	5.75	5.36	7.53	6.21	18.64	ppb
Manganese	55-2	-0.45	-0.44	-0.45	-0.45		ppb
Molybdenum	94-1	0.04	0.03	0.04	0.04	15.06	ppb
Molybdenum	95-1	0.08	0.07	0.07	0.07	6.54	ppb
Molybdenum	96-1	0.04	0.05	0.05	0.05	10.18	ppb
Molybdenum	97-1	0.03	0.05	0.03	0.04	37.57	ppb
Molybdenum	98-1	0.07	0.05	0.04	0.05	29.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.36	0.51	0.27	0.38	31.38	ppb
Phosphorus	31-2	-25.97	-18.39	-32.98	-25.78		ppb
Potassium	39-2	151.34	155.72	164.19	157.08	4.16	ppb
Rhodium	103-1				90		%
Rhodium	103-2				89		%
Scandium	45-1				84		%
Scandium	45-2				83		%
Selenium	82-1	1.14	0.37	0.66	0.72	53.67	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.96	-0.40	-0.40	0.05	1442.29	ppb
Silicon	28-1	0.03	0.01	0.04	0.02	71.17	ppb
Silver	107-1	0.01	0.01	0.01	0.01	18.25	ppb
Silver	109-1	0.02	0.01	0.01	0.01	15.56	ppb
Sodium	23-2	186.78	191.97	180.19	186.31	3.17	ppb
Strontium	86-1	-0.09	-1.06	-0.84	-0.66		ppb
Strontium	88-1	-0.22	-0.14	-0.22	-0.19		ppb
Sulfur	34-1	-114.07	-86.22	7.96	-64.11		ppb
Terbium	159-1				90		%
Terbium	159-2				89		%
Thallium	203-1	0.04	0.03	0.02	0.03	42.28	ppb
Thallium	205-1	0.02	0.03	0.02	0.02	11.31	ppb
Tin	118-1	0.01	0.00	0.02	0.01	90.41	ppb
Titanium	47-1	0.02	0.02	-0.03	0.00	691.92	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	4.00	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCB013	Instrumnet Name :	P8
Client Sample ID :	CCB013	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:48:00	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	-0.01	-0.01	-0.01	-0.01		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				87		%
Yttrium	89-2				87		%
Zinc	66-2	-0.04	0.04	0.00	0.00	7035.16	ppb
Zirconium	90-1	0.00	0.00	0.01	0.00	1284.66	ppb
Zirconium	91-1	-0.01	0.00	-0.01	-0.01		ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-11	Instrumnet Name :	P8
Client Sample ID :	MH2H02	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:51:45	DataFile Name :	020AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	32451.65	31839.93	32196.35	32162.64	0.96	ppb
Antimony	121-1	5.37	5.39	5.25	5.34	1.49	ppb
Arsenic	75-2	81.59	86.09	84.72	84.14	2.74	ppb
Barium	135-1	1423.59	1426.52	1407.04	1419.05	0.74	ppb
Barium	137-1	1523.55	1529.02	1523.81	1525.46	0.20	ppb
Beryllium	9-1	6.51	6.70	6.54	6.58	1.50	ppb
Bismuth	209-1				92		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	43.09	39.77	40.05	40.97	4.50	ppb
Cadmium	106-1	39.20	43.19	42.68	41.69	5.21	ppb
Cadmium	111-1	45.14	45.08	44.03	44.75	1.39	ppb
Calcium	43-1	162121.73	160730.76	159736.44	160862.98	0.74	ppb
Calcium	44-1	155605.87	156360.26	156257.42	156074.52	0.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	41.04	40.14	40.61	40.59	1.10	ppb
Cobalt	59-2	50.77	50.44	49.98	50.40	0.79	ppb
Copper	63-2	1095.07	1086.93	1095.37	1092.46	0.44	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				93		%
Holmium	165-2				93		%
Indium	115-1				92		%
Indium	115-2				90		%
Iron	54-2	132216.25	129630.45	131641.38	131162.70	1.04	ppb
Iron	56-2	131266.98	129436.17	130999.84	130567.67	0.76	ppb
Iron	57-2	132250.06	131227.56	130335.80	131271.14	0.73	ppb
Krypton	83-1						cps
Lead	206-1	2946.31	2947.43	2934.08	2942.61	0.25	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-11	Instrumnet Name :	P8
Client Sample ID :	MH2H02	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:51:45	DataFile Name :	020AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2901.59	2912.24	2887.45	2900.43	0.43	ppb
Lead	208-1	2900.73	2919.54	2917.07	2912.45	0.35	ppb
Lithium	6-1				82		%
Magnesium	24-2	12452.98	12381.25	12296.42	12376.88	0.63	ppb
Manganese	55-2	8906.20	8848.51	8737.99	8830.90	0.97	ppb
Molybdenum	94-1	15.30	15.77	15.14	15.41	2.13	ppb
Molybdenum	95-1	6.28	6.36	6.22	6.29	1.13	ppb
Molybdenum	96-1	7.61	7.53	7.59	7.58	0.53	ppb
Molybdenum	97-1	6.34	6.35	5.91	6.20	4.06	ppb
Molybdenum	98-1	6.12	6.31	6.02	6.15	2.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	153.94	155.95	154.17	154.69	0.71	ppb
Phosphorus	31-2	4245.92	4194.44	4087.74	4176.03	1.93	ppb
Potassium	39-2	7096.67	6952.78	6995.01	7014.82	1.05	ppb
Rhodium	103-1				88		%
Rhodium	103-2				88		%
Scandium	45-1				91		%
Scandium	45-2				90		%
Selenium	82-1	2.24	1.77	1.80	1.94	13.76	ppb
Selenium	77-2	61.71	40.68	65.63	56.01	23.95	ppb
Selenium	78-2	6.62	10.01	7.76	8.13	21.22	ppb
Silicon	28-1	204.89	203.17	202.64	203.57	0.58	ppb
Silver	107-1	17.36	17.69	17.42	17.49	1.02	ppb
Silver	109-1	17.57	17.95	17.49	17.67	1.41	ppb
Sodium	23-2	1341.83	1329.05	1358.69	1343.19	1.11	ppb
Strontium	86-1	18046.30	18317.30	18167.62	18177.07	0.75	ppb
Strontium	88-1	17994.39	18117.12	18095.41	18068.97	0.36	ppb
Sulfur	34-1	1209.38	1096.53	1172.48	1159.46	4.96	ppb
Terbium	159-1				94		%
Terbium	159-2				93		%
Thallium	203-1	1.96	2.01	2.07	2.01	2.55	ppb
Thallium	205-1	2.05	2.01	1.98	2.01	1.69	ppb
Tin	118-1	68.26	67.75	66.93	67.64	0.99	ppb
Titanium	47-1	532.42	536.98	531.47	533.63	0.55	ppb
Uranium	238-1	6.01	5.95	5.94	5.96	0.61	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-11	Instrumnet Name :	P8
Client Sample ID :	MH2H02	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:51:45	DataFile Name :	020AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	129.03	131.34	130.74	130.37	0.92	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				102		%
Zinc	66-2	8458.35	8373.36	8348.33	8393.35	0.69	ppb
Zirconium	90-1	5.69	5.70	5.69	5.69	0.15	ppb
Zirconium	91-1	5.71	5.76	5.56	5.68	1.81	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-12	Instrumnet Name :	P8
Client Sample ID :	MH2H03	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:55:02	DataFile Name :	021AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	25749.92	25380.55	25970.30	25700.26	1.16	ppb
Antimony	121-1	5.14	5.29	5.25	5.22	1.49	ppb
Arsenic	75-2	108.31	105.76	114.42	109.49	4.06	ppb
Barium	135-1	1202.70	1230.16	1229.09	1220.65	1.27	ppb
Barium	137-1	1302.19	1319.96	1303.01	1308.39	0.77	ppb
Beryllium	9-1	4.89	5.00	4.96	4.95	1.17	ppb
Bismuth	209-1				94		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Cadmium	108-1	43.25	45.41	43.46	44.04	2.71	ppb
Cadmium	106-1	43.94	43.80	39.53	42.43	5.91	ppb
Cadmium	111-1	46.14	47.26	47.09	46.83	1.29	ppb
Calcium	43-1	136708.04	140831.96	142309.28	139949.76	2.07	ppb
Calcium	44-1	134556.41	138112.49	139386.86	137351.92	1.82	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	37.68	37.18	37.43	37.43	0.67	ppb
Cobalt	59-2	47.54	46.35	47.43	47.11	1.40	ppb
Copper	63-2	1073.40	1051.23	1081.89	1068.84	1.48	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				94		%
Holmium	165-2				93		%
Indium	115-1				92		%
Indium	115-2				90		%
Iron	54-2	130753.71	128401.80	131129.08	130094.86	1.14	ppb
Iron	56-2	131761.10	128755.37	132293.94	130936.80	1.46	ppb
Iron	57-2	131596.54	128655.43	131905.90	130719.29	1.37	ppb
Krypton	83-1						cps
Lead	206-1	2888.63	2883.70	2936.06	2902.80	1.00	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-12	Instrumnet Name :	P8
Client Sample ID :	MH2H03	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:55:02	DataFile Name :	021AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2825.81	2828.49	2925.14	2859.81	1.98	ppb
Lead	208-1	2849.70	2831.03	2914.23	2864.99	1.52	ppb
Lithium	6-1				84		%
Magnesium	24-2	12596.94	12386.14	12707.57	12563.55	1.30	ppb
Manganese	55-2	8533.63	8353.88	8629.48	8505.66	1.64	ppb
Molybdenum	94-1	11.67	11.92	11.89	11.83	1.18	ppb
Molybdenum	95-1	5.96	6.01	6.20	6.06	2.07	ppb
Molybdenum	96-1	6.64	7.03	6.91	6.86	2.87	ppb
Molybdenum	97-1	6.03	5.84	6.03	5.97	1.84	ppb
Molybdenum	98-1	5.90	5.81	5.81	5.84	0.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	174.34	171.15	175.66	173.71	1.33	ppb
Phosphorus	31-2	3248.90	3169.57	3707.64	3375.37	8.61	ppb
Potassium	39-2	7839.77	7753.56	7895.91	7829.75	0.92	ppb
Rhodium	103-1				90		%
Rhodium	103-2				89		%
Scandium	45-1				91		%
Scandium	45-2				91		%
Selenium	82-1	2.01	1.20	1.69	1.63	24.73	ppb
Selenium	77-2	74.67	45.83	45.86	55.45	30.01	ppb
Selenium	78-2	12.57	12.63	10.26	11.82	11.41	ppb
Silicon	28-1	189.32	192.35	197.51	193.06	2.15	ppb
Silver	107-1	20.10	20.56	20.52	20.39	1.24	ppb
Silver	109-1	20.22	20.60	20.90	20.58	1.64	ppb
Sodium	23-2	970.86	951.09	977.07	966.34	1.40	ppb
Strontium	86-1	13926.56	14150.39	14187.35	14088.10	1.00	ppb
Strontium	88-1	14046.88	14074.75	14043.43	14055.02	0.12	ppb
Sulfur	34-1	1025.39	1118.52	1262.71	1135.54	10.53	ppb
Terbium	159-1				95		%
Terbium	159-2				93		%
Thallium	203-1	1.83	1.87	1.97	1.89	3.81	ppb
Thallium	205-1	1.97	1.91	1.99	1.95	2.16	ppb
Tin	118-1	72.10	73.49	73.75	73.11	1.22	ppb
Titanium	47-1	288.71	295.17	294.40	292.76	1.21	ppb
Uranium	238-1	5.06	5.13	5.23	5.14	1.63	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-12	Instrumnet Name :	P8
Client Sample ID :	MH2H03	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:55:02	DataFile Name :	021AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	124.23	122.45	126.63	124.43	1.68	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	8437.74	8298.99	8517.07	8417.93	1.31	ppb
Zirconium	90-1	3.79	3.73	3.81	3.78	1.15	ppb
Zirconium	91-1	3.76	3.78	3.89	3.81	1.91	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-13	Instrumnet Name :	P8
Client Sample ID :	MH2H08	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:58:16	DataFile Name :	022AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12028.14	12121.44	11889.19	12012.92	0.97	ppb
Antimony	121-1	1.99	1.90	2.01	1.97	3.11	ppb
Arsenic	75-2	16.09	16.21	16.92	16.41	2.74	ppb
Barium	135-1	421.40	426.09	432.77	426.75	1.34	ppb
Barium	137-1	428.41	430.60	436.81	431.94	1.01	ppb
Beryllium	9-1	2.19	2.27	2.24	2.24	1.87	ppb
Bismuth	209-1				84		%
Bismuth	209-2				81		%
Bromine	81-1						cps
Cadmium	108-1	13.35	13.68	12.63	13.22	4.02	ppb
Cadmium	106-1	10.66	10.83	11.23	10.91	2.67	ppb
Cadmium	111-1	3.33	3.45	3.62	3.46	4.16	ppb
Calcium	43-1	611228.42	638117.19	639318.63	629554.75	2.52	ppb
Calcium	44-1	605427.16	627289.43	629738.97	620818.52	2.16	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	106.60	110.28	106.47	107.78	2.01	ppb
Cobalt	59-2	19.62	19.65	19.21	19.49	1.26	ppb
Copper	63-2	108.73	109.00	110.48	109.40	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				93		%
Holmium	165-2				90		%
Indium	115-1				88		%
Indium	115-2				84		%
Iron	54-2	42246.11	42487.31	41857.31	42196.91	0.75	ppb
Iron	56-2	44268.96	45285.88	43832.03	44462.29	1.68	ppb
Iron	57-2	41624.50	42445.78	41339.13	41803.14	1.37	ppb
Krypton	83-1						cps
Lead	206-1	290.18	283.60	290.54	288.11	1.36	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-13	Instrumnet Name :	P8
Client Sample ID :	MH2H08	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:58:16	DataFile Name :	022AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	280.34	272.85	282.86	278.68	1.87	ppb
Lead	208-1	293.29	276.40	284.00	284.56	2.97	ppb
Lithium	6-1				83		%
Magnesium	24-2	308353.64	310652.43	305502.30	308169.45	0.84	ppb
Manganese	55-2	4173.33	4215.20	4108.37	4165.64	1.29	ppb
Molybdenum	94-1	8.47	8.35	8.25	8.36	1.29	ppb
Molybdenum	95-1	4.41	4.25	4.61	4.42	4.08	ppb
Molybdenum	96-1	4.81	4.84	5.03	4.89	2.49	ppb
Molybdenum	97-1	4.30	4.13	4.29	4.24	2.26	ppb
Molybdenum	98-1	4.10	4.24	4.39	4.25	3.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	47.50	49.09	47.82	48.14	1.74	ppb
Phosphorus	31-2	3808.03	3679.49	3954.88	3814.14	3.61	ppb
Potassium	39-2	4395.91	4432.93	4317.79	4382.21	1.34	ppb
Rhodium	103-1				85		%
Rhodium	103-2				83		%
Scandium	45-1				88		%
Scandium	45-2				86		%
Selenium	82-1	1.41	2.23	2.65	2.10	30.20	ppb
Selenium	77-2	31.65	26.70	17.92	25.42	27.34	ppb
Selenium	78-2	7.31	7.19	5.97	6.83	10.86	ppb
Silicon	28-1	521.64	545.11	545.33	537.36	2.53	ppb
Silver	107-1	0.99	1.03	1.01	1.01	2.08	ppb
Silver	109-1	1.04	1.06	1.09	1.06	2.20	ppb
Sodium	23-2	996.85	1007.46	1004.74	1003.02	0.55	ppb
Strontium	86-1	8851.46	8774.65	8903.32	8843.14	0.73	ppb
Strontium	88-1	8919.98	8929.06	8952.25	8933.76	0.19	ppb
Sulfur	34-1	1150.58	1585.84	1491.53	1409.32	16.25	ppb
Terbium	159-1				93		%
Terbium	159-2				89		%
Thallium	203-1	0.40	0.36	0.45	0.40	10.75	ppb
Thallium	205-1	0.36	0.37	0.41	0.38	6.85	ppb
Tin	118-1	6.61	6.55	6.82	6.66	2.14	ppb
Titanium	47-1	274.99	288.59	287.25	283.61	2.64	ppb
Uranium	238-1	4.12	4.03	4.13	4.09	1.46	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-13	Instrumnet Name :	P8
Client Sample ID :	MH2H08	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:58:16	DataFile Name :	022AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	59.29	57.92	58.76	58.66	1.18	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				95		%
Yttrium	89-2				93		%
Zinc	66-2	1148.92	1157.24	1140.78	1148.98	0.72	ppb
Zirconium	90-1	2.56	2.56	2.59	2.57	0.64	ppb
Zirconium	91-1	2.68	2.53	2.60	2.60	2.87	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-14	Instrumnet Name :	P8
Client Sample ID :	MH2H09	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:01:39	DataFile Name :	023AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13711.33	14023.47	13636.86	13790.55	1.49	ppb
Antimony	121-1	1.81	1.85	1.97	1.88	4.34	ppb
Arsenic	75-2	22.52	23.35	22.51	22.79	2.13	ppb
Barium	135-1	540.73	548.40	552.13	547.09	1.06	ppb
Barium	137-1	546.81	554.69	562.88	554.80	1.45	ppb
Beryllium	9-1	2.70	2.47	2.62	2.60	4.63	ppb
Bismuth	209-1				82		%
Bismuth	209-2				81		%
Bromine	81-1						cps
Cadmium	108-1	12.89	13.46	14.76	13.70	6.99	ppb
Cadmium	106-1	12.36	11.95	13.26	12.52	5.33	ppb
Cadmium	111-1	7.75	7.65	7.63	7.68	0.85	ppb
Calcium	43-1	616735.30	630860.44	626928.69	624841.48	1.17	ppb
Calcium	44-1	617169.40	627190.87	624431.81	622930.69	0.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	52.78	53.29	50.99	52.35	2.31	ppb
Cobalt	59-2	21.11	21.47	20.58	21.06	2.13	ppb
Copper	63-2	184.15	192.10	184.70	186.99	2.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				90		%
Holmium	165-2				90		%
Indium	115-1				86		%
Indium	115-2				84		%
Iron	54-2	47167.57	49009.04	46842.23	47672.95	2.45	ppb
Iron	56-2	49479.51	50995.24	49489.61	49988.12	1.74	ppb
Iron	57-2	47138.95	48119.56	46456.09	47238.20	1.77	ppb
Krypton	83-1						cps
Lead	206-1	552.03	563.64	566.52	560.73	1.37	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-14	Instrumnet Name :	P8
Client Sample ID :	MH2H09	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:01:39	DataFile Name :	023AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	544.10	552.29	560.54	552.31	1.49	ppb
Lead	208-1	564.28	582.28	585.18	577.25	1.96	ppb
Lithium	6-1				82		%
Magnesium	24-2	296632.47	305275.40	293777.04	298561.63	2.01	ppb
Manganese	55-2	4193.83	4332.30	4169.63	4231.92	2.07	ppb
Molybdenum	94-1	7.91	7.83	7.75	7.83	1.01	ppb
Molybdenum	95-1	3.85	3.87	4.01	3.91	2.30	ppb
Molybdenum	96-1	4.36	4.52	4.51	4.46	1.99	ppb
Molybdenum	97-1	3.70	3.98	3.96	3.88	4.09	ppb
Molybdenum	98-1	3.89	3.79	3.77	3.82	1.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	57.61	60.71	58.39	58.90	2.74	ppb
Phosphorus	31-2	3726.52	3903.45	3740.44	3790.14	2.60	ppb
Potassium	39-2	3922.67	4036.95	3961.70	3973.77	1.46	ppb
Rhodium	103-1				82		%
Rhodium	103-2				83		%
Scandium	45-1				86		%
Scandium	45-2				87		%
Selenium	82-1	2.37	2.48	2.73	2.52	7.25	ppb
Selenium	77-2	26.54	22.36	31.39	26.76	16.89	ppb
Selenium	78-2	8.40	5.96	2.15	5.50	57.21	ppb
Silicon	28-1	363.80	367.55	367.50	366.28	0.59	ppb
Silver	107-1	2.21	2.25	2.26	2.24	1.12	ppb
Silver	109-1	2.15	2.35	2.24	2.25	4.30	ppb
Sodium	23-2	1159.35	1221.70	1158.29	1179.78	3.08	ppb
Strontium	86-1	9661.68	9792.29	9793.17	9749.05	0.78	ppb
Strontium	88-1	9810.28	9840.35	9930.28	9860.30	0.63	ppb
Sulfur	34-1	1058.43	1190.38	1156.29	1135.03	6.03	ppb
Terbium	159-1				90		%
Terbium	159-2				89		%
Thallium	203-1	0.57	0.54	0.59	0.57	4.10	ppb
Thallium	205-1	0.55	0.57	0.57	0.56	1.52	ppb
Tin	118-1	8.64	8.95	9.05	8.88	2.41	ppb
Titanium	47-1	242.50	243.57	245.16	243.75	0.55	ppb
Uranium	238-1	5.45	5.64	5.57	5.55	1.73	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-14	Instrumnet Name :	P8
Client Sample ID :	MH2H09	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:01:39	DataFile Name :	023AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	67.87	69.12	68.73	68.57	0.93	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				93		%
Yttrium	89-2				94		%
Zinc	66-2	1744.82	1790.57	1719.52	1751.64	2.06	ppb
Zirconium	90-1	2.40	2.42	2.34	2.39	1.95	ppb
Zirconium	91-1	2.52	2.66	2.44	2.54	4.34	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-15	Instrumnet Name :	P8
Client Sample ID :	MH2H10	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:05:00	DataFile Name :	024AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22578.57	22904.92	22027.68	22503.72	1.97	ppb
Antimony	121-1	2.96	2.98	2.96	2.97	0.50	ppb
Arsenic	75-2	43.29	43.52	41.40	42.74	2.73	ppb
Barium	135-1	835.18	839.89	844.64	839.90	0.56	ppb
Barium	137-1	842.18	847.81	849.31	846.44	0.44	ppb
Beryllium	9-1	3.57	3.58	3.68	3.61	1.72	ppb
Bismuth	209-1				89		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	12.10	13.40	14.91	13.47	10.45	ppb
Cadmium	106-1	13.97	13.35	14.96	14.09	5.76	ppb
Cadmium	111-1	14.33	14.30	14.47	14.36	0.65	ppb
Calcium	43-1	167832.66	170904.44	172059.60	170265.57	1.28	ppb
Calcium	44-1	166794.34	167465.48	166898.78	167052.87	0.22	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	35.38	35.96	34.42	35.26	2.20	ppb
Cobalt	59-2	29.28	30.29	29.25	29.61	1.99	ppb
Copper	63-2	318.53	328.42	319.38	322.11	1.70	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				94		%
Holmium	165-2				94		%
Indium	115-1				91		%
Indium	115-2				90		%
Iron	54-2	83394.82	85805.70	82110.46	83770.33	2.24	ppb
Iron	56-2	81962.55	84592.33	81385.74	82646.88	2.07	ppb
Iron	57-2	77509.71	79134.32	77154.34	77932.79	1.35	ppb
Krypton	83-1						cps
Lead	206-1	1133.71	1119.60	1131.64	1128.32	0.68	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-15	Instrumnet Name :	P8
Client Sample ID :	MH2H10	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:05:00	DataFile Name :	024AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1113.20	1098.24	1121.44	1110.96	1.06	ppb
Lead	208-1	1115.98	1096.53	1117.72	1110.08	1.06	ppb
Lithium	6-1				83		%
Magnesium	24-2	35730.07	35646.06	34205.40	35193.85	2.44	ppb
Manganese	55-2	3865.58	3970.78	3822.00	3886.12	1.97	ppb
Molybdenum	94-1	9.81	10.16	9.97	9.98	1.75	ppb
Molybdenum	95-1	5.52	5.33	5.70	5.52	3.41	ppb
Molybdenum	96-1	6.11	6.08	6.21	6.13	1.10	ppb
Molybdenum	97-1	5.27	5.34	5.51	5.37	2.27	ppb
Molybdenum	98-1	5.34	5.24	5.24	5.27	1.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	95.09	94.58	92.72	94.13	1.33	ppb
Phosphorus	31-2	3291.23	3307.78	2785.94	3128.32	9.48	ppb
Potassium	39-2	5532.45	5666.75	5422.13	5540.45	2.21	ppb
Rhodium	103-1				89		%
Rhodium	103-2				90		%
Scandium	45-1				90		%
Scandium	45-2				91		%
Selenium	82-1	1.99	3.40	1.46	2.28	43.83	ppb
Selenium	77-2	75.12	111.46	57.82	81.47	33.60	ppb
Selenium	78-2	12.65	11.33	8.99	10.99	16.85	ppb
Silicon	28-1	257.14	253.28	260.39	256.94	1.38	ppb
Silver	107-1	4.79	4.94	4.91	4.88	1.59	ppb
Silver	109-1	4.98	4.92	4.94	4.95	0.63	ppb
Sodium	23-2	1598.86	1667.72	1597.52	1621.37	2.48	ppb
Strontium	86-1	11429.29	11728.74	11795.97	11651.33	1.68	ppb
Strontium	88-1	11609.68	11729.19	11806.03	11714.97	0.84	ppb
Sulfur	34-1	1061.26	813.48	916.80	930.52	13.37	ppb
Terbium	159-1				94		%
Terbium	159-2				93		%
Thallium	203-1	1.05	1.03	1.08	1.05	2.23	ppb
Thallium	205-1	1.02	1.03	1.09	1.04	3.65	ppb
Tin	118-1	76.43	76.90	77.54	76.96	0.72	ppb
Titanium	47-1	242.41	237.91	243.56	241.30	1.24	ppb
Uranium	238-1	4.81	4.80	4.88	4.83	0.93	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-15	Instrumnet Name :	P8
Client Sample ID :	MH2H10	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:05:00	DataFile Name :	024AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	109.20	111.85	107.51	109.52	2.00	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				101		%
Zinc	66-2	2893.35	3024.45	2927.45	2948.42	2.31	ppb
Zirconium	90-1	2.94	3.16	2.99	3.03	3.83	ppb
Zirconium	91-1	3.01	3.10	2.99	3.03	2.02	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-16	Instrumnet Name :	P8
Client Sample ID :	MH2H11	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:08:19	DataFile Name :	025AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	26741.83	26846.68	26430.78	26673.10	0.81	ppb
Antimony	121-1	2.62	2.73	2.61	2.65	2.50	ppb
Arsenic	75-2	42.87	46.75	43.71	44.44	4.59	ppb
Barium	135-1	912.50	931.71	923.14	922.45	1.04	ppb
Barium	137-1	921.21	940.54	922.91	928.22	1.15	ppb
Beryllium	9-1	4.39	4.49	4.29	4.39	2.18	ppb
Bismuth	209-1				93		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	16.17	17.66	17.02	16.95	4.41	ppb
Cadmium	106-1	17.44	18.09	17.04	17.52	3.03	ppb
Cadmium	111-1	17.80	18.36	17.80	17.99	1.77	ppb
Calcium	43-1	181566.82	180797.33	180136.73	180833.62	0.40	ppb
Calcium	44-1	176151.29	177629.66	178093.44	177291.46	0.57	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	41.48	41.76	40.99	41.41	0.94	ppb
Cobalt	59-2	34.86	34.72	35.41	35.00	1.04	ppb
Copper	63-2	449.19	448.75	447.63	448.52	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				96		%
Holmium	165-2				95		%
Indium	115-1				93		%
Indium	115-2				91		%
Iron	54-2	102854.89	102972.92	102654.41	102827.41	0.16	ppb
Iron	56-2	101089.97	100703.46	101478.99	101090.81	0.38	ppb
Iron	57-2	96082.65	95185.68	95053.89	95440.74	0.59	ppb
Krypton	83-1						cps
Lead	206-1	1713.93	1745.61	1732.11	1730.55	0.92	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-16	Instrumnet Name :	P8
Client Sample ID :	MH2H11	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:08:19	DataFile Name :	025AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1756.19	1753.86	1750.61	1753.55	0.16	ppb
Lead	208-1	1724.82	1734.44	1712.75	1724.00	0.63	ppb
Lithium	6-1				81		%
Magnesium	24-2	27451.07	27659.95	27359.72	27490.25	0.56	ppb
Manganese	55-2	5630.33	5650.53	5602.37	5627.75	0.43	ppb
Molybdenum	94-1	11.24	11.72	11.36	11.44	2.17	ppb
Molybdenum	95-1	5.75	5.76	5.80	5.77	0.45	ppb
Molybdenum	96-1	6.53	6.61	6.54	6.56	0.72	ppb
Molybdenum	97-1	5.59	5.87	5.95	5.80	3.22	ppb
Molybdenum	98-1	5.63	5.87	5.77	5.76	2.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	156.05	156.46	153.18	155.23	1.15	ppb
Phosphorus	31-2	3184.67	3554.20	2996.16	3245.01	8.75	ppb
Potassium	39-2	6358.06	6249.88	6323.95	6310.63	0.88	ppb
Rhodium	103-1				91		%
Rhodium	103-2				92		%
Scandium	45-1				93		%
Scandium	45-2				91		%
Selenium	82-1	1.98	1.55	1.92	1.82	12.96	ppb
Selenium	77-2	68.74	80.74	60.25	69.91	14.72	ppb
Selenium	78-2	7.64	15.67	8.74	10.68	40.72	ppb
Silicon	28-1	333.85	336.70	339.89	336.81	0.90	ppb
Silver	107-1	6.34	6.47	6.48	6.43	1.23	ppb
Silver	109-1	6.58	6.60	6.55	6.58	0.34	ppb
Sodium	23-2	1703.55	1723.89	1713.55	1713.66	0.59	ppb
Strontium	86-1	12866.16	13036.60	12859.81	12920.86	0.78	ppb
Strontium	88-1	12932.56	12837.79	12697.41	12822.58	0.92	ppb
Sulfur	34-1	1213.58	1145.42	1337.47	1232.15	7.90	ppb
Terbium	159-1				96		%
Terbium	159-2				94		%
Thallium	203-1	1.08	1.10	1.08	1.09	1.13	ppb
Thallium	205-1	1.09	1.10	1.13	1.11	1.60	ppb
Tin	118-1	160.43	164.50	162.33	162.42	1.25	ppb
Titanium	47-1	282.71	287.20	288.11	286.01	1.01	ppb
Uranium	238-1	5.13	5.16	5.19	5.16	0.57	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-16	Instrumnet Name :	P8
Client Sample ID :	MH2H11	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:08:19	DataFile Name :	025AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	126.51	126.48	124.08	125.69	1.11	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				104		%
Zinc	66-2	4018.46	4032.54	3969.16	4006.72	0.83	ppb
Zirconium	90-1	3.57	3.63	3.52	3.57	1.67	ppb
Zirconium	91-1	3.57	3.66	3.47	3.57	2.67	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-17	Instrumnet Name :	P8
Client Sample ID :	MH2H12	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:11:36	DataFile Name :	026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10378.72	10470.43	10625.45	10491.53	1.19	ppb
Antimony	121-1	1.48	1.49	1.52	1.50	1.19	ppb
Arsenic	75-2	15.41	15.55	15.72	15.56	1.01	ppb
Barium	135-1	383.62	380.82	387.47	383.97	0.87	ppb
Barium	137-1	391.15	386.59	393.12	390.28	0.86	ppb
Beryllium	9-1	2.15	2.10	2.07	2.10	1.86	ppb
Bismuth	209-1				83		%
Bismuth	209-2				81		%
Bromine	81-1						cps
Cadmium	108-1	3.84	4.36	4.92	4.37	12.36	ppb
Cadmium	106-1	4.04	4.92	5.00	4.65	11.45	ppb
Cadmium	111-1	3.62	3.47	3.34	3.48	4.02	ppb
Calcium	43-1	623530.15	614114.49	609495.84	615713.49	1.16	ppb
Calcium	44-1	619077.61	611772.64	606079.87	612310.04	1.06	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	87.24	87.20	86.54	86.99	0.45	ppb
Cobalt	59-2	21.00	20.38	21.11	20.83	1.91	ppb
Copper	63-2	95.42	96.82	99.27	97.17	2.00	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				91		%
Holmium	165-2				89		%
Indium	115-1				86		%
Indium	115-2				83		%
Iron	54-2	40287.65	40834.99	41505.25	40875.96	1.49	ppb
Iron	56-2	42114.90	42463.67	43745.56	42774.71	2.01	ppb
Iron	57-2	39626.06	40189.59	40998.50	40271.38	1.71	ppb
Krypton	83-1						cps
Lead	206-1	285.43	280.45	287.99	284.62	1.35	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-17	Instrumnet Name :	P8
Client Sample ID :	MH2H12	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:11:36	DataFile Name :	026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	275.52	273.45	278.73	275.90	0.97	ppb
Lead	208-1	280.06	274.74	281.44	278.74	1.27	ppb
Lithium	6-1				79		%
Magnesium	24-2	300884.60	303479.78	310000.06	304788.15	1.54	ppb
Manganese	55-2	3770.35	3842.44	3916.65	3843.15	1.90	ppb
Molybdenum	94-1	7.83	7.53	7.88	7.75	2.47	ppb
Molybdenum	95-1	4.39	4.09	4.42	4.30	4.27	ppb
Molybdenum	96-1	4.76	4.70	4.68	4.72	0.93	ppb
Molybdenum	97-1	4.36	4.15	4.28	4.26	2.46	ppb
Molybdenum	98-1	4.29	4.03	4.21	4.18	3.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	45.68	45.98	46.16	45.94	0.53	ppb
Phosphorus	31-2	3227.89	3507.59	3389.24	3374.91	4.16	ppb
Potassium	39-2	3290.75	3323.63	3391.38	3335.25	1.54	ppb
Rhodium	103-1				84		%
Rhodium	103-2				82		%
Scandium	45-1				88		%
Scandium	45-2				86		%
Selenium	82-1	1.90	1.35	1.43	1.56	19.18	ppb
Selenium	77-2	13.69	27.52	50.31	30.51	60.62	ppb
Selenium	78-2	6.09	6.12	11.30	7.84	38.29	ppb
Silicon	28-1	440.99	440.85	434.95	438.93	0.78	ppb
Silver	107-1	0.93	0.93	0.93	0.93	0.46	ppb
Silver	109-1	0.98	0.92	0.95	0.95	3.53	ppb
Sodium	23-2	886.62	890.17	914.57	897.12	1.70	ppb
Strontium	86-1	7937.76	7816.54	7944.21	7899.50	0.91	ppb
Strontium	88-1	7985.69	7893.12	8002.49	7960.43	0.74	ppb
Sulfur	34-1	969.80	846.06	780.72	865.53	11.09	ppb
Terbium	159-1				92		%
Terbium	159-2				88		%
Thallium	203-1	0.28	0.27	0.32	0.29	7.95	ppb
Thallium	205-1	0.31	0.31	0.32	0.31	3.05	ppb
Tin	118-1	4.74	4.79	4.86	4.80	1.26	ppb
Titanium	47-1	248.63	246.52	241.58	245.57	1.47	ppb
Uranium	238-1	3.66	3.63	3.63	3.64	0.56	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-17	Instrumnet Name :	P8
Client Sample ID :	MH2H12	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:11:36	DataFile Name :	026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	52.30	53.58	54.04	53.30	1.69	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				93		%
Yttrium	89-2				91		%
Zinc	66-2	1064.16	1066.05	1102.96	1077.73	2.03	ppb
Zirconium	90-1	2.28	2.27	2.28	2.27	0.30	ppb
Zirconium	91-1	2.31	2.34	2.41	2.35	2.20	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-18	Instrumnet Name :	P8
Client Sample ID :	MH2H13	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:14:59	DataFile Name :	027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22498.59	22554.99	22138.37	22397.32	1.01	ppb
Antimony	121-1	3.16	3.18	3.19	3.18	0.45	ppb
Arsenic	75-2	44.56	43.74	45.12	44.47	1.57	ppb
Barium	135-1	853.16	869.31	879.96	867.48	1.56	ppb
Barium	137-1	864.09	875.45	885.05	874.86	1.20	ppb
Beryllium	9-1	3.96	3.88	3.93	3.92	1.08	ppb
Bismuth	209-1				88		%
Bismuth	209-2				86		%
Bromine	81-1						cps
Cadmium	108-1	13.88	14.03	15.58	14.50	6.50	ppb
Cadmium	106-1	15.74	15.95	16.41	16.03	2.11	ppb
Cadmium	111-1	14.75	15.43	15.51	15.23	2.73	ppb
Calcium	43-1	306256.51	320158.44	310856.13	312423.69	2.27	ppb
Calcium	44-1	304773.76	316182.42	309098.78	310018.32	1.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	74.52	72.76	73.34	73.54	1.22	ppb
Cobalt	59-2	31.23	31.00	31.97	31.40	1.60	ppb
Copper	63-2	352.27	355.92	353.82	354.00	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				93		%
Holmium	165-2				91		%
Indium	115-1				89		%
Indium	115-2				86		%
Iron	54-2	97253.63	95431.13	97407.98	96697.58	1.14	ppb
Iron	56-2	96454.40	94970.09	96036.83	95820.44	0.80	ppb
Iron	57-2	89691.13	89728.82	90371.09	89930.35	0.42	ppb
Krypton	83-1						cps
Lead	206-1	1253.07	1282.84	1310.93	1282.28	2.26	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-18	Instrumnet Name :	P8
Client Sample ID :	MH2H13	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:14:59	DataFile Name :	027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1232.50	1256.87	1251.99	1247.12	1.03	ppb
Lead	208-1	1226.26	1253.44	1267.36	1249.02	1.67	ppb
Lithium	6-1				81		%
Magnesium	24-2	104967.46	103967.49	103463.00	104132.65	0.74	ppb
Manganese	55-2	4993.60	4945.32	4990.91	4976.61	0.55	ppb
Molybdenum	94-1	12.01	12.42	12.11	12.18	1.73	ppb
Molybdenum	95-1	5.46	5.75	5.58	5.60	2.58	ppb
Molybdenum	96-1	6.53	6.87	6.47	6.62	3.28	ppb
Molybdenum	97-1	5.87	5.82	5.83	5.84	0.47	ppb
Molybdenum	98-1	5.58	5.72	5.62	5.64	1.25	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	99.84	99.84	97.80	99.16	1.19	ppb
Phosphorus	31-2	4159.95	3819.57	3890.71	3956.74	4.54	ppb
Potassium	39-2	5707.21	5663.02	5695.42	5688.55	0.40	ppb
Rhodium	103-1				87		%
Rhodium	103-2				87		%
Scandium	45-1				88		%
Scandium	45-2				89		%
Selenium	82-1	1.70	1.99	3.45	2.38	39.37	ppb
Selenium	77-2	51.36	85.22	60.40	65.66	26.69	ppb
Selenium	78-2	11.77	12.92	15.54	13.41	14.42	ppb
Silicon	28-1	390.87	410.35	396.83	399.35	2.50	ppb
Silver	107-1	4.81	5.03	5.12	4.99	3.25	ppb
Silver	109-1	5.07	5.07	5.15	5.10	0.88	ppb
Sodium	23-2	1342.19	1358.74	1353.71	1351.54	0.63	ppb
Strontium	86-1	13984.16	14243.26	14206.17	14144.53	0.99	ppb
Strontium	88-1	14050.06	14405.83	14346.75	14267.55	1.34	ppb
Sulfur	34-1	1441.60	1782.96	1440.30	1554.95	12.70	ppb
Terbium	159-1				93		%
Terbium	159-2				91		%
Thallium	203-1	0.83	0.79	0.79	0.80	2.92	ppb
Thallium	205-1	0.78	0.78	0.78	0.78	0.31	ppb
Tin	118-1	14.93	15.37	15.58	15.29	2.17	ppb
Titanium	47-1	366.89	382.20	373.61	374.23	2.05	ppb
Uranium	238-1	6.42	6.66	6.58	6.56	1.86	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-18	Instrumnet Name :	P8
Client Sample ID :	MH2H13	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:14:59	DataFile Name :	027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	111.00	110.30	111.71	111.01	0.63	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				97		%
Zinc	66-2	3813.81	3823.19	3856.29	3831.10	0.58	ppb
Zirconium	90-1	4.01	4.03	4.01	4.01	0.25	ppb
Zirconium	91-1	4.14	4.10	4.13	4.12	0.51	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-19	Instrumnet Name :	P8
Client Sample ID :	MH2H14	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:18:16	DataFile Name :	028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	26957.65	26456.16	25978.16	26463.99	1.85	ppb
Antimony	121-1	3.03	3.00	3.04	3.02	0.76	ppb
Arsenic	75-2	53.33	54.89	54.20	54.14	1.44	ppb
Barium	135-1	1025.31	1031.54	1043.03	1033.29	0.87	ppb
Barium	137-1	1106.49	1124.92	1126.37	1119.26	0.99	ppb
Beryllium	9-1	4.23	4.36	4.40	4.33	2.01	ppb
Bismuth	209-1				90		%
Bismuth	209-2				89		%
Bromine	81-1						cps
Cadmium	108-1	20.82	20.18	20.18	20.39	1.82	ppb
Cadmium	106-1	20.83	21.56	21.96	21.45	2.66	ppb
Cadmium	111-1	21.33	22.28	23.26	22.29	4.33	ppb
Calcium	43-1	179141.44	179783.64	180377.99	179767.69	0.34	ppb
Calcium	44-1	175433.52	173946.48	178440.66	175940.22	1.30	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	41.88	42.76	40.88	41.84	2.25	ppb
Cobalt	59-2	38.98	37.35	36.92	37.75	2.87	ppb
Copper	63-2	475.93	467.26	460.68	467.96	1.63	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				94		%
Holmium	165-2				93		%
Indium	115-1				91		%
Indium	115-2				88		%
Iron	54-2	106141.57	103989.23	103973.29	104701.36	1.19	ppb
Iron	56-2	106747.23	103630.39	102816.19	104397.93	1.99	ppb
Iron	57-2	100316.04	98097.06	96741.71	98384.93	1.83	ppb
Krypton	83-1						cps
Lead	206-1	1418.95	1399.11	1446.06	1421.37	1.66	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-19	Instrumnet Name :	P8
Client Sample ID :	MH2H14	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:18:16	DataFile Name :	028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1382.16	1349.96	1408.51	1380.21	2.12	ppb
Lead	208-1	1385.63	1362.60	1405.65	1384.63	1.56	ppb
Lithium	6-1				80		%
Magnesium	24-2	22006.01	21520.95	21208.14	21578.36	1.86	ppb
Manganese	55-2	5264.94	5143.43	5115.52	5174.63	1.54	ppb
Molybdenum	94-1	11.86	12.47	12.27	12.20	2.56	ppb
Molybdenum	95-1	5.60	5.69	5.66	5.65	0.78	ppb
Molybdenum	96-1	6.55	6.52	6.59	6.55	0.60	ppb
Molybdenum	97-1	5.85	5.59	5.56	5.67	2.81	ppb
Molybdenum	98-1	5.71	5.65	5.71	5.69	0.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	119.15	116.59	113.88	116.54	2.26	ppb
Phosphorus	31-2	3351.10	3415.58	3506.93	3424.54	2.29	ppb
Potassium	39-2	6745.78	6662.69	6573.14	6660.54	1.30	ppb
Rhodium	103-1				89		%
Rhodium	103-2				89		%
Scandium	45-1				89		%
Scandium	45-2				89		%
Selenium	82-1	2.05	2.02	2.26	2.11	6.14	ppb
Selenium	77-2	105.16	58.17	41.71	68.35	48.17	ppb
Selenium	78-2	7.97	14.95	6.72	9.88	44.92	ppb
Silicon	28-1	331.53	339.47	336.31	335.77	1.19	ppb
Silver	107-1	7.99	7.93	8.04	7.99	0.65	ppb
Silver	109-1	8.02	8.17	8.26	8.15	1.50	ppb
Sodium	23-2	1654.45	1626.91	1606.58	1629.31	1.47	ppb
Strontium	86-1	14209.32	14549.10	14587.93	14448.78	1.44	ppb
Strontium	88-1	14165.70	14522.73	14447.54	14378.66	1.31	ppb
Sulfur	34-1	1140.90	1153.88	1119.43	1138.07	1.53	ppb
Terbium	159-1				94		%
Terbium	159-2				91		%
Thallium	203-1	1.02	1.02	1.07	1.03	2.61	ppb
Thallium	205-1	1.05	1.05	1.10	1.07	3.01	ppb
Tin	118-1	17.42	17.35	17.56	17.44	0.60	ppb
Titanium	47-1	310.77	309.82	311.58	310.72	0.28	ppb
Uranium	238-1	5.73	5.57	5.81	5.70	2.19	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-19	Instrumnet Name :	P8
Client Sample ID :	MH2H14	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:18:16	DataFile Name :	028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	127.59	125.54	122.56	125.23	2.02	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				100		%
Zinc	66-2	4637.44	4469.99	4406.50	4504.64	2.65	ppb
Zirconium	90-1	3.92	4.14	4.08	4.05	2.76	ppb
Zirconium	91-1	3.96	4.13	4.14	4.08	2.55	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-20	Instrumnet Name :	P8
Client Sample ID :	MH2H15	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:21:34	DataFile Name :	029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	23197.75	22532.63	22975.29	22901.89	1.48	ppb
Antimony	121-1	2.79	2.80	2.79	2.79	0.23	ppb
Arsenic	75-2	46.24	44.09	42.20	44.18	4.58	ppb
Barium	135-1	880.17	876.54	893.20	883.30	0.99	ppb
Barium	137-1	885.45	891.92	906.80	894.72	1.22	ppb
Beryllium	9-1	3.29	3.35	3.29	3.31	1.11	ppb
Bismuth	209-1				92		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	14.51	16.15	14.62	15.09	6.07	ppb
Cadmium	106-1	15.35	13.99	12.99	14.11	8.41	ppb
Cadmium	111-1	14.91	15.60	15.39	15.30	2.34	ppb
Calcium	43-1	125821.46	127568.89	127338.82	126909.73	0.75	ppb
Calcium	44-1	122789.45	125408.44	123695.34	123964.41	1.07	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	38.58	37.80	38.90	38.43	1.47	ppb
Cobalt	59-2	32.07	31.13	32.54	31.91	2.25	ppb
Copper	63-2	376.48	370.54	379.11	375.38	1.17	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				93		%
Indium	115-1				93		%
Indium	115-2				89		%
Iron	54-2	87012.19	85081.87	86921.14	86338.40	1.26	ppb
Iron	56-2	84614.12	83826.39	85628.29	84689.60	1.07	ppb
Iron	57-2	80216.24	78652.92	81258.11	80042.42	1.64	ppb
Krypton	83-1						cps
Lead	206-1	996.37	1015.14	1028.68	1013.40	1.60	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-20	Instrumnet Name :	P8
Client Sample ID :	MH2H15	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:21:34	DataFile Name :	029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	980.65	989.68	1008.36	992.89	1.42	ppb
Lead	208-1	978.10	997.43	1010.56	995.36	1.64	ppb
Lithium	6-1				82		%
Magnesium	24-2	17071.10	16759.13	17043.94	16958.06	1.02	ppb
Manganese	55-2	3846.95	3769.77	3864.24	3826.99	1.31	ppb
Molybdenum	94-1	9.78	9.59	9.72	9.70	1.00	ppb
Molybdenum	95-1	5.20	5.48	5.51	5.40	3.14	ppb
Molybdenum	96-1	5.92	6.02	6.07	6.00	1.34	ppb
Molybdenum	97-1	5.34	5.30	5.22	5.28	1.11	ppb
Molybdenum	98-1	5.24	5.44	5.31	5.33	1.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	114.05	111.14	115.70	113.63	2.03	ppb
Phosphorus	31-2	3288.19	3143.09	3167.40	3199.56	2.43	ppb
Potassium	39-2	5884.57	5801.47	5872.32	5852.79	0.77	ppb
Rhodium	103-1				91		%
Rhodium	103-2				90		%
Scandium	45-1				91		%
Scandium	45-2				89		%
Selenium	82-1	1.94	2.43	1.92	2.10	13.90	ppb
Selenium	77-2	62.77	62.52	50.09	58.46	12.40	ppb
Selenium	78-2	10.31	9.08	15.02	11.47	27.36	ppb
Silicon	28-1	214.14	218.82	211.92	214.96	1.64	ppb
Silver	107-1	5.56	5.61	5.59	5.59	0.37	ppb
Silver	109-1	5.65	5.57	5.77	5.66	1.80	ppb
Sodium	23-2	1517.42	1465.38	1527.32	1503.37	2.21	ppb
Strontium	86-1	10321.40	10524.72	10427.33	10424.48	0.98	ppb
Strontium	88-1	10286.76	10553.33	10467.16	10435.75	1.30	ppb
Sulfur	34-1	478.60	722.04	498.07	566.24	23.89	ppb
Terbium	159-1				95		%
Terbium	159-2				93		%
Thallium	203-1	1.04	1.08	1.04	1.05	2.14	ppb
Thallium	205-1	1.09	1.13	1.08	1.10	2.43	ppb
Tin	118-1	14.31	14.49	14.57	14.46	0.91	ppb
Titanium	47-1	216.31	221.62	219.61	219.18	1.22	ppb
Uranium	238-1	4.38	4.52	4.42	4.44	1.63	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-20	Instrumnet Name :	P8
Client Sample ID :	MH2H15	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:21:34	DataFile Name :	029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	116.85	114.13	116.25	115.74	1.23	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	3190.12	3187.15	3259.86	3212.37	1.28	ppb
Zirconium	90-1	2.72	2.92	2.84	2.83	3.57	ppb
Zirconium	91-1	2.69	2.95	2.88	2.84	4.79	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-21	Instrumnet Name :	P8
Client Sample ID :	MH2H16	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:24:50	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7405.44	7875.30	7685.81	7655.52	3.09	ppb
Antimony	121-1	1.12	1.15	1.02	1.10	6.30	ppb
Arsenic	75-2	12.47	11.10	10.77	11.44	7.89	ppb
Barium	135-1	295.77	295.96	292.61	294.78	0.64	ppb
Barium	137-1	300.48	298.24	294.40	297.71	1.03	ppb
Beryllium	9-1	1.60	1.60	1.47	1.56	4.74	ppb
Bismuth	209-1				81		%
Bismuth	209-2				79		%
Bromine	81-1						cps
Cadmium	108-1	3.81	3.82	3.68	3.77	2.09	ppb
Cadmium	106-1	2.53	3.73	3.24	3.17	19.01	ppb
Cadmium	111-1	2.74	2.61	2.38	2.58	7.01	ppb
Calcium	43-1	659041.89	662963.82	655655.74	659220.48	0.55	ppb
Calcium	44-1	652938.63	652079.35	653650.26	652889.41	0.12	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	71.67	74.98	73.18	73.28	2.26	ppb
Cobalt	59-2	15.18	16.24	15.78	15.74	3.37	ppb
Copper	63-2	68.04	71.89	68.34	69.42	3.08	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				90		%
Holmium	165-2				88		%
Indium	115-1				85		%
Indium	115-2				81		%
Iron	54-2	28489.11	29776.45	29044.89	29103.48	2.22	ppb
Iron	56-2	29936.54	31345.88	30175.66	30486.03	2.47	ppb
Iron	57-2	28263.34	29557.64	28791.68	28870.89	2.25	ppb
Krypton	83-1						cps
Lead	206-1	187.52	184.12	183.64	185.09	1.14	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-21	Instrumnet Name :	P8
Client Sample ID :	MH2H16	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:24:50	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	181.39	179.10	177.57	179.36	1.07	ppb
Lead	208-1	182.62	179.96	178.93	180.51	1.05	ppb
Lithium	6-1				77		%
Magnesium	24-2	318617.45	328909.41	320704.20	322743.69	1.69	ppb
Manganese	55-2	3449.79	3610.91	3492.80	3517.83	2.37	ppb
Molybdenum	94-1	6.93	6.48	6.80	6.74	3.40	ppb
Molybdenum	95-1	3.42	3.55	3.25	3.41	4.38	ppb
Molybdenum	96-1	3.97	3.93	4.01	3.97	1.06	ppb
Molybdenum	97-1	3.59	3.51	3.48	3.53	1.67	ppb
Molybdenum	98-1	3.41	3.41	3.36	3.39	0.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	32.42	33.98	33.26	33.22	2.36	ppb
Phosphorus	31-2	3191.04	3393.42	3089.65	3224.70	4.80	ppb
Potassium	39-2	3244.69	3384.60	3294.50	3307.93	2.14	ppb
Rhodium	103-1				82		%
Rhodium	103-2				81		%
Scandium	45-1				83		%
Scandium	45-2				83		%
Selenium	82-1	1.21	0.98	0.98	1.06	12.53	ppb
Selenium	77-2	28.32	23.84	14.09	22.09	32.94	ppb
Selenium	78-2	0.94	3.67	2.27	2.29	59.37	ppb
Silicon	28-1	324.48	324.10	323.41	324.00	0.17	ppb
Silver	107-1	0.69	0.67	0.64	0.67	3.82	ppb
Silver	109-1	0.67	0.71	0.66	0.68	4.21	ppb
Sodium	23-2	973.58	1032.83	1009.42	1005.28	2.97	ppb
Strontium	86-1	6831.88	6597.50	6575.01	6668.13	2.13	ppb
Strontium	88-1	6937.79	6742.01	6663.91	6781.24	2.08	ppb
Sulfur	34-1	826.46	965.05	956.28	915.93	8.47	ppb
Terbium	159-1				90		%
Terbium	159-2				87		%
Thallium	203-1	0.22	0.22	0.22	0.22	0.99	ppb
Thallium	205-1	0.23	0.23	0.23	0.23	1.76	ppb
Tin	118-1	5.91	5.78	5.59	5.76	2.77	ppb
Titanium	47-1	190.38	190.12	188.64	189.71	0.49	ppb
Uranium	238-1	3.04	2.99	2.93	2.99	1.87	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-21	Instrumnet Name :	P8
Client Sample ID :	MH2H16	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:24:50	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	42.46	46.16	41.90	43.51	5.32	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				90		%
Yttrium	89-2				88		%
Zinc	66-2	770.03	822.29	787.40	793.24	3.36	ppb
Zirconium	90-1	2.36	2.21	2.18	2.25	4.40	ppb
Zirconium	91-1	2.11	2.08	2.15	2.12	1.71	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-22	Instrumnet Name :	P8
Client Sample ID :	MH2H27	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:28:11	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19034.93	18763.25	18833.50	18877.23	0.75	ppb
Antimony	121-1	1.30	1.32	1.28	1.30	1.63	ppb
Arsenic	75-2	20.28	20.75	20.06	20.37	1.73	ppb
Barium	135-1	613.54	600.41	614.15	609.37	1.27	ppb
Barium	137-1	624.72	618.80	622.38	621.97	0.48	ppb
Beryllium	9-1	1.84	1.86	1.96	1.89	3.56	ppb
Bismuth	209-1				86		%
Bismuth	209-2				84		%
Bromine	81-1						cps
Cadmium	108-1	3.93	3.48	4.08	3.83	8.10	ppb
Cadmium	106-1	4.34	4.49	5.21	4.68	10.00	ppb
Cadmium	111-1	3.95	3.86	3.97	3.93	1.54	ppb
Calcium	43-1	164568.84	160982.71	162605.94	162719.16	1.10	ppb
Calcium	44-1	159719.09	158362.72	160001.28	159361.03	0.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	28.48	27.49	28.28	28.08	1.85	ppb
Cobalt	59-2	20.52	19.91	20.54	20.33	1.77	ppb
Copper	63-2	98.53	96.65	99.11	98.10	1.31	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				90		%
Holmium	165-2				87		%
Indium	115-1				88		%
Indium	115-2				83		%
Iron	54-2	47650.70	46818.90	47644.18	47371.26	1.01	ppb
Iron	56-2	50166.60	49149.74	49716.01	49677.45	1.03	ppb
Iron	57-2	47050.55	46884.37	46812.47	46915.80	0.26	ppb
Krypton	83-1						cps
Lead	206-1	187.04	185.88	190.07	187.66	1.15	ppb

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-22	Instrumnet Name :	P8
Client Sample ID :	MH2H27	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:28:11	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	182.76	182.75	187.03	184.18	1.34	ppb
Lead	208-1	184.57	183.75	187.97	185.43	1.21	ppb
Lithium	6-1				76		%
Magnesium	24-2	12734.28	12594.76	12743.91	12690.98	0.66	ppb
Manganese	55-2	1334.08	1308.73	1320.25	1321.02	0.96	ppb
Molybdenum	94-1	6.99	6.76	7.10	6.95	2.48	ppb
Molybdenum	95-1	3.94	4.28	4.17	4.13	4.14	ppb
Molybdenum	96-1	4.43	4.38	4.56	4.46	2.09	ppb
Molybdenum	97-1	4.31	3.95	3.85	4.04	6.04	ppb
Molybdenum	98-1	4.17	3.98	4.26	4.14	3.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	106.33	105.50	105.05	105.63	0.62	ppb
Phosphorus	31-2	3459.25	3238.32	3271.41	3322.99	3.59	ppb
Potassium	39-2	5455.27	5434.00	5520.40	5469.89	0.82	ppb
Rhodium	103-1				85		%
Rhodium	103-2				85		%
Scandium	45-1				84		%
Scandium	45-2				83		%
Selenium	82-1	1.71	2.69	1.79	2.06	26.17	ppb
Selenium	77-2	40.90	71.30	58.12	56.77	26.86	ppb
Selenium	78-2	8.64	5.94	16.12	10.23	51.55	ppb
Silicon	28-1	212.85	208.23	211.64	210.91	1.14	ppb
Silver	107-1	1.05	1.09	1.11	1.08	2.78	ppb
Silver	109-1	1.10	1.07	1.16	1.11	3.95	ppb
Sodium	23-2	641.64	638.91	661.03	647.19	1.86	ppb
Strontium	86-1	9115.23	9199.78	9455.29	9256.77	1.91	ppb
Strontium	88-1	9255.38	9187.15	9346.02	9262.85	0.86	ppb
Sulfur	34-1	758.42	492.30	829.42	693.38	25.63	ppb
Terbium	159-1				90		%
Terbium	159-2				87		%
Thallium	203-1	0.66	0.67	0.68	0.67	1.22	ppb
Thallium	205-1	0.74	0.71	0.72	0.72	2.17	ppb
Tin	118-1	5.26	5.32	5.33	5.30	0.74	ppb
Titanium	47-1	225.66	222.48	226.84	225.00	1.00	ppb
Uranium	238-1	3.97	3.92	3.97	3.95	0.69	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-22	Instrumnet Name :	P8
Client Sample ID :	MH2H27	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:28:11	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	108.24	107.47	108.35	108.02	0.44	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				94		%
Yttrium	89-2				93		%
Zinc	66-2	585.26	562.75	577.19	575.07	1.98	ppb
Zirconium	90-1	1.86	1.99	1.95	1.93	3.63	ppb
Zirconium	91-1	1.88	1.76	1.98	1.87	5.86	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-04	Instrumnet Name :	P8
Client Sample ID :	MH2GX2	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:31:32	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	32340.77	32719.64	32000.29	32353.57	1.11	ppb
Antimony	121-1	1.67	1.69	1.59	1.65	3.31	ppb
Arsenic	75-2	15.59	14.62	13.71	14.64	6.40	ppb
Barium	135-1	838.74	847.52	832.38	839.55	0.91	ppb
Barium	137-1	851.34	844.65	844.74	846.91	0.45	ppb
Beryllium	9-1	8.73	8.75	8.65	8.71	0.61	ppb
Bismuth	209-1				87		%
Bismuth	209-2				87		%
Bromine	81-1						cps
Cadmium	108-1	11.18	8.94	9.96	10.03	11.16	ppb
Cadmium	106-1	10.73	13.77	12.00	12.17	12.55	ppb
Cadmium	111-1	9.51	9.80	10.04	9.78	2.74	ppb
Calcium	43-1	253062.89	257916.87	253671.65	254883.80	1.04	ppb
Calcium	44-1	249863.62	250317.76	248909.33	249696.90	0.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	187.95	195.69	190.16	191.27	2.08	ppb
Cobalt	59-2	12.14	12.57	12.38	12.36	1.74	ppb
Copper	63-2	220.44	226.43	223.88	223.58	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				91		%
Holmium	165-2				91		%
Indium	115-1				88		%
Indium	115-2				87		%
Iron	54-2	30594.25	31293.25	30273.43	30720.31	1.70	ppb
Iron	56-2	31848.02	32802.28	31749.25	32133.19	1.81	ppb
Iron	57-2	30061.66	30676.74	29969.89	30236.10	1.27	ppb
Krypton	83-1						cps
Lead	206-1	859.42	864.76	856.23	860.14	0.50	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-04	Instrumnet Name :	P8
Client Sample ID :	MH2GX2	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:31:32	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	827.70	822.17	829.87	826.58	0.48	ppb
Lead	208-1	835.75	837.60	837.03	836.80	0.11	ppb
Lithium	6-1				77		%
Magnesium	24-2	24271.24	24616.57	23988.94	24292.25	1.29	ppb
Manganese	55-2	8486.51	8468.94	8370.87	8442.11	0.74	ppb
Molybdenum	94-1	19.34	20.56	20.04	19.98	3.06	ppb
Molybdenum	95-1	2.97	3.17	3.03	3.06	3.22	ppb
Molybdenum	96-1	4.89	4.83	4.80	4.84	1.04	ppb
Molybdenum	97-1	3.21	3.14	2.96	3.11	4.15	ppb
Molybdenum	98-1	2.98	2.95	2.92	2.95	1.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	48.84	48.86	48.48	48.73	0.44	ppb
Phosphorus	31-2	3533.24	3496.38	3641.67	3557.10	2.12	ppb
Potassium	39-2	10802.78	10972.69	10763.33	10846.27	1.03	ppb
Rhodium	103-1				85		%
Rhodium	103-2				87		%
Scandium	45-1				86		%
Scandium	45-2				88		%
Selenium	82-1	0.62	2.08	2.28	1.66	54.55	ppb
Selenium	77-2	38.64	90.28	25.17	51.36	66.91	ppb
Selenium	78-2	13.03	4.49	12.72	10.08	48.06	ppb
Silicon	28-1	1192.00	1221.63	1214.80	1209.48	1.28	ppb
Silver	107-1	2.79	2.80	2.61	2.73	3.83	ppb
Silver	109-1	2.72	2.77	2.70	2.73	1.39	ppb
Sodium	23-2	1410.60	1436.38	1419.42	1422.14	0.92	ppb
Strontium	86-1	22297.27	22332.45	22201.30	22277.01	0.30	ppb
Strontium	88-1	22238.36	22482.38	21980.25	22233.66	1.13	ppb
Sulfur	34-1	2741.84	2756.39	2734.87	2744.37	0.40	ppb
Terbium	159-1				92		%
Terbium	159-2				91		%
Thallium	203-1	0.21	0.20	0.21	0.21	1.80	ppb
Thallium	205-1	0.23	0.22	0.23	0.22	2.71	ppb
Tin	118-1	9.42	9.57	9.16	9.38	2.19	ppb
Titanium	47-1	696.95	699.17	691.83	695.98	0.54	ppb
Uranium	238-1	7.75	7.66	7.68	7.69	0.60	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-04	Instrumnet Name :	P8
Client Sample ID :	MH2GX2	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:31:32	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	73.34	76.55	72.76	74.22	2.76	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				98		%
Zinc	66-2	2475.13	2543.47	2483.13	2500.58	1.49	ppb
Zirconium	90-1	9.46	9.61	9.49	9.52	0.81	ppb
Zirconium	91-1	9.48	9.70	9.74	9.64	1.45	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-05	Instrumnet Name :	P8
Client Sample ID :	MH2GX3	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:34:51	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	33988.21	34286.91	34651.49	34308.87	0.97	ppb
Antimony	121-1	1.86	1.95	1.86	1.89	2.67	ppb
Arsenic	75-2	23.74	25.42	27.65	25.61	7.66	ppb
Barium	135-1	916.49	914.65	925.18	918.77	0.61	ppb
Barium	137-1	935.00	927.56	936.57	933.04	0.52	ppb
Beryllium	9-1	9.59	9.84	9.66	9.69	1.31	ppb
Bismuth	209-1				89		%
Bismuth	209-2				88		%
Bromine	81-1						cps
Cadmium	108-1	15.42	15.58	14.82	15.28	2.62	ppb
Cadmium	106-1	16.41	16.46	18.01	16.96	5.35	ppb
Cadmium	111-1	14.38	15.08	15.03	14.83	2.61	ppb
Calcium	43-1	282804.02	280812.55	281037.67	281551.41	0.39	ppb
Calcium	44-1	278270.25	276226.41	280326.61	278274.42	0.74	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	110.32	111.22	111.21	110.91	0.47	ppb
Cobalt	59-2	16.89	17.28	17.38	17.18	1.50	ppb
Copper	63-2	346.96	353.44	354.62	351.68	1.17	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				93		%
Holmium	165-2				92		%
Indium	115-1				90		%
Indium	115-2				88		%
Iron	54-2	34667.44	35334.90	35221.87	35074.73	1.02	ppb
Iron	56-2	36603.06	36959.05	37032.66	36864.92	0.62	ppb
Iron	57-2	34380.31	35036.94	34959.72	34792.32	1.03	ppb
Krypton	83-1						cps
Lead	206-1	1417.07	1389.62	1424.33	1410.34	1.30	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-05	Instrumnet Name :	P8
Client Sample ID :	MH2GX3	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:34:51	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1373.69	1350.49	1397.29	1373.82	1.70	ppb
Lead	208-1	1381.34	1354.02	1384.51	1373.29	1.22	ppb
Lithium	6-1				79		%
Magnesium	24-2	22063.42	22371.79	22558.10	22331.10	1.12	ppb
Manganese	55-2	10298.40	10319.89	10569.20	10395.83	1.45	ppb
Molybdenum	94-1	18.00	17.95	18.50	18.15	1.67	ppb
Molybdenum	95-1	2.62	2.69	2.77	2.69	2.76	ppb
Molybdenum	96-1	4.27	4.40	4.43	4.37	2.00	ppb
Molybdenum	97-1	2.61	2.65	2.75	2.67	2.73	ppb
Molybdenum	98-1	2.61	2.60	2.72	2.64	2.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	65.44	66.61	66.39	66.15	0.94	ppb
Phosphorus	31-2	3526.54	3298.97	3343.42	3389.64	3.56	ppb
Potassium	39-2	10852.70	11054.96	11061.67	10989.78	1.08	ppb
Rhodium	103-1				88		%
Rhodium	103-2				88		%
Scandium	45-1				89		%
Scandium	45-2				89		%
Selenium	82-1	2.01	1.21	2.19	1.80	29.16	ppb
Selenium	77-2	93.53	49.88	59.11	67.51	34.08	ppb
Selenium	78-2	12.32	11.42	14.00	12.58	10.43	ppb
Silicon	28-1	1282.22	1251.15	1268.05	1267.14	1.23	ppb
Silver	107-1	5.96	6.01	6.02	6.00	0.50	ppb
Silver	109-1	5.97	5.98	6.01	5.99	0.39	ppb
Sodium	23-2	2014.20	2022.00	2027.26	2021.15	0.33	ppb
Strontium	86-1	25102.28	25435.53	25706.88	25414.90	1.19	ppb
Strontium	88-1	25115.98	25538.70	25657.00	25437.23	1.12	ppb
Sulfur	34-1	2815.86	2665.16	2799.00	2760.01	2.99	ppb
Terbium	159-1				94		%
Terbium	159-2				92		%
Thallium	203-1	0.46	0.48	0.46	0.47	2.54	ppb
Thallium	205-1	0.49	0.46	0.48	0.48	3.15	ppb
Tin	118-1	16.83	16.75	16.70	16.76	0.37	ppb
Titanium	47-1	678.50	672.29	679.06	676.62	0.55	ppb
Uranium	238-1	9.16	8.88	9.16	9.07	1.77	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-05	Instrumnet Name :	P8
Client Sample ID :	MH2GX3	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:34:51	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	70.62	71.48	71.10	71.07	0.61	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				101		%
Zinc	66-2	4010.24	4100.87	4094.52	4068.54	1.24	ppb
Zirconium	90-1	8.52	8.71	8.78	8.67	1.58	ppb
Zirconium	91-1	8.35	8.26	8.59	8.40	2.04	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-06	Instrumnet Name :	P8
Client Sample ID :	MH2GX4	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:38:08	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17228.16	17605.43	17737.38	17523.66	1.51	ppb
Antimony	121-1	2.27	2.04	2.25	2.19	5.92	ppb
Arsenic	75-2	29.47	29.10	30.21	29.59	1.91	ppb
Barium	135-1	752.81	699.75	735.64	729.40	3.71	ppb
Barium	137-1	758.30	713.33	745.52	739.05	3.14	ppb
Beryllium	9-1	4.28	4.11	4.43	4.27	3.77	ppb
Bismuth	209-1				92		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	11.00	11.38	11.59	11.32	2.66	ppb
Cadmium	106-1	11.73	10.73	11.25	11.23	4.47	ppb
Cadmium	111-1	12.39	11.86	12.02	12.09	2.26	ppb
Calcium	43-1	124624.12	120946.75	122502.26	122691.04	1.50	ppb
Calcium	44-1	123519.48	117819.98	120743.38	120694.28	2.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	49.68	50.08	51.07	50.28	1.42	ppb
Cobalt	59-2	17.67	18.43	18.78	18.29	3.13	ppb
Copper	63-2	286.87	289.54	294.76	290.39	1.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				94		%
Holmium	165-2				93		%
Indium	115-1				93		%
Indium	115-2				89		%
Iron	54-2	34316.48	34877.65	35611.81	34935.31	1.86	ppb
Iron	56-2	36345.98	36629.11	37543.67	36839.58	1.70	ppb
Iron	57-2	34400.14	34873.89	35372.57	34882.20	1.39	ppb
Krypton	83-1						cps
Lead	206-1	1175.86	1155.25	1147.28	1159.46	1.27	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-06	Instrumnet Name :	P8
Client Sample ID :	MH2GX4	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:38:08	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1141.24	1108.57	1146.84	1132.22	1.83	ppb
Lead	208-1	1154.18	1120.68	1133.13	1136.00	1.49	ppb
Lithium	6-1				77		%
Magnesium	24-2	10425.79	10705.85	10866.71	10666.12	2.09	ppb
Manganese	55-2	6070.12	6195.34	6324.77	6196.74	2.05	ppb
Molybdenum	94-1	8.66	8.33	8.95	8.65	3.62	ppb
Molybdenum	95-1	2.13	2.03	2.06	2.08	2.61	ppb
Molybdenum	96-1	2.91	2.67	2.84	2.81	4.44	ppb
Molybdenum	97-1	2.04	2.05	1.84	1.98	6.02	ppb
Molybdenum	98-1	2.02	1.95	2.02	2.00	2.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	71.43	70.26	72.76	71.48	1.75	ppb
Phosphorus	31-2	2554.65	3057.70	2981.91	2864.75	9.47	ppb
Potassium	39-2	5797.12	5867.30	6009.85	5891.42	1.84	ppb
Rhodium	103-1				91		%
Rhodium	103-2				89		%
Scandium	45-1				90		%
Scandium	45-2				89		%
Selenium	82-1	1.12	1.01	1.47	1.20	19.80	ppb
Selenium	77-2	21.29	59.25	42.29	40.94	46.45	ppb
Selenium	78-2	14.12	9.22	10.42	11.26	22.67	ppb
Silicon	28-1	779.68	752.83	761.06	764.52	1.80	ppb
Silver	107-1	5.35	5.15	5.35	5.28	2.19	ppb
Silver	109-1	5.50	5.02	5.35	5.29	4.63	ppb
Sodium	23-2	1228.06	1242.29	1251.31	1240.55	0.94	ppb
Strontium	86-1	11668.11	11258.77	11671.22	11532.70	2.06	ppb
Strontium	88-1	11762.67	11182.91	11682.43	11542.67	2.72	ppb
Sulfur	34-1	857.52	481.97	569.67	636.39	30.87	ppb
Terbium	159-1				95		%
Terbium	159-2				92		%
Thallium	203-1	0.47	0.43	0.44	0.45	4.45	ppb
Thallium	205-1	0.48	0.46	0.47	0.47	2.46	ppb
Tin	118-1	16.50	15.37	15.87	15.91	3.57	ppb
Titanium	47-1	258.58	243.81	246.78	249.72	3.13	ppb
Uranium	238-1	4.19	3.96	4.07	4.08	2.80	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-06	Instrumnet Name :	P8
Client Sample ID :	MH2GX4	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:38:08	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	55.97	56.70	58.47	57.04	2.25	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				98		%
Zinc	66-2	3383.93	3466.37	3555.97	3468.75	2.48	ppb
Zirconium	90-1	3.64	3.88	3.68	3.73	3.40	ppb
Zirconium	91-1	3.73	3.56	3.98	3.76	5.73	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-07	Instrumnet Name :	P8
Client Sample ID :	MH2GX5	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:41:27	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18438.48	18789.32	18669.19	18632.33	0.96	ppb
Antimony	121-1	1.85	1.91	1.90	1.89	1.62	ppb
Arsenic	75-2	28.91	29.21	29.44	29.19	0.92	ppb
Barium	135-1	678.06	684.18	687.74	683.33	0.72	ppb
Barium	137-1	685.13	689.79	698.90	691.27	1.01	ppb
Beryllium	9-1	4.95	5.04	4.91	4.97	1.31	ppb
Bismuth	209-1				91		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	12.60	11.30	12.13	12.01	5.46	ppb
Cadmium	106-1	12.13	13.08	12.22	12.48	4.20	ppb
Cadmium	111-1	12.42	12.99	12.80	12.74	2.26	ppb
Calcium	43-1	165697.58	167426.05	169101.58	167408.40	1.02	ppb
Calcium	44-1	165240.47	166276.71	167557.94	166358.37	0.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	51.23	53.65	51.73	52.21	2.45	ppb
Cobalt	59-2	16.09	16.04	16.14	16.09	0.29	ppb
Copper	63-2	269.54	271.87	273.37	271.59	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				95		%
Holmium	165-2				93		%
Indium	115-1				93		%
Indium	115-2				89		%
Iron	54-2	22353.54	22578.67	22727.38	22553.20	0.83	ppb
Iron	56-2	23675.02	24186.37	24036.14	23965.84	1.10	ppb
Iron	57-2	22146.45	22485.21	22593.65	22408.44	1.04	ppb
Krypton	83-1						cps
Lead	206-1	1193.58	1210.18	1194.09	1199.28	0.79	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-07	Instrumnet Name :	P8
Client Sample ID :	MH2GX5	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:41:27	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1184.52	1194.95	1152.06	1177.18	1.90	ppb
Lead	208-1	1179.24	1187.43	1164.36	1177.01	0.99	ppb
Lithium	6-1				77		%
Magnesium	24-2	11951.32	12131.80	12144.35	12075.82	0.89	ppb
Manganese	55-2	6943.43	6920.80	7009.57	6957.93	0.66	ppb
Molybdenum	94-1	9.61	9.34	9.38	9.44	1.54	ppb
Molybdenum	95-1	2.04	2.03	1.86	1.98	5.05	ppb
Molybdenum	96-1	2.79	2.74	2.76	2.76	0.88	ppb
Molybdenum	97-1	1.90	2.06	2.04	2.00	4.27	ppb
Molybdenum	98-1	1.97	1.97	1.84	1.93	3.78	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	66.57	67.66	67.77	67.33	0.98	ppb
Phosphorus	31-2	2749.30	2835.97	2567.26	2717.51	5.05	ppb
Potassium	39-2	6325.95	6378.10	6454.05	6386.04	1.01	ppb
Rhodium	103-1				90		%
Rhodium	103-2				90		%
Scandium	45-1				88		%
Scandium	45-2				88		%
Selenium	82-1	0.73	1.43	2.05	1.40	47.01	ppb
Selenium	77-2	63.62	25.10	37.94	42.22	46.46	ppb
Selenium	78-2	10.45	10.30	9.19	9.98	6.91	ppb
Silicon	28-1	773.78	789.77	790.09	784.55	1.19	ppb
Silver	107-1	4.80	4.89	4.82	4.83	0.94	ppb
Silver	109-1	4.86	4.97	5.00	4.95	1.49	ppb
Sodium	23-2	1052.48	1063.01	1051.43	1055.64	0.61	ppb
Strontium	86-1	13475.83	13830.92	13408.18	13571.64	1.67	ppb
Strontium	88-1	13611.87	13709.37	13401.30	13574.18	1.16	ppb
Sulfur	34-1	786.96	865.82	958.01	870.26	9.84	ppb
Terbium	159-1				96		%
Terbium	159-2				92		%
Thallium	203-1	0.54	0.55	0.52	0.54	3.68	ppb
Thallium	205-1	0.49	0.52	0.53	0.51	3.81	ppb
Tin	118-1	8.51	8.28	8.46	8.41	1.46	ppb
Titanium	47-1	248.38	251.00	253.44	250.94	1.01	ppb
Uranium	238-1	4.72	4.79	4.77	4.76	0.67	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-07	Instrumnet Name :	P8
Client Sample ID :	MH2GX5	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:41:27	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	61.51	62.27	62.50	62.09	0.83	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				99		%
Zinc	66-2	2345.35	2390.19	2418.28	2384.61	1.54	ppb
Zirconium	90-1	4.23	4.31	4.18	4.24	1.56	ppb
Zirconium	91-1	4.11	4.38	4.19	4.23	3.38	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-08	Instrumnet Name :	P8
Client Sample ID :	MH2GX6	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:44:45	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	39487.89	39146.99	39549.08	39394.65	0.55	ppb
Antimony	121-1	1.67	1.68	1.74	1.70	2.04	ppb
Arsenic	75-2	15.29	14.06	14.90	14.75	4.24	ppb
Barium	135-1	968.89	970.92	985.35	975.05	0.92	ppb
Barium	137-1	1021.67	1044.27	1061.46	1042.46	1.91	ppb
Beryllium	9-1	10.01	10.27	9.97	10.08	1.59	ppb
Bismuth	209-1				89		%
Bismuth	209-2				88		%
Bromine	81-1						cps
Cadmium	108-1	8.69	10.58	10.19	9.82	10.18	ppb
Cadmium	106-1	11.71	12.85	12.38	12.31	4.63	ppb
Cadmium	111-1	10.11	10.42	10.40	10.31	1.70	ppb
Calcium	43-1	272170.59	275112.80	271533.73	272939.04	0.70	ppb
Calcium	44-1	268296.75	272065.30	266253.11	268871.72	1.10	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	235.12	235.59	234.16	234.96	0.31	ppb
Cobalt	59-2	14.37	14.14	14.02	14.18	1.25	ppb
Copper	63-2	263.12	263.03	262.65	262.93	0.09	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				95		%
Holmium	165-2				93		%
Indium	115-1				92		%
Indium	115-2				89		%
Iron	54-2	39217.20	39335.70	39213.07	39255.32	0.18	ppb
Iron	56-2	41618.30	41333.24	41171.97	41374.50	0.55	ppb
Iron	57-2	38624.54	39216.23	38938.07	38926.28	0.76	ppb
Krypton	83-1						cps
Lead	206-1	958.97	940.86	939.24	946.36	1.16	ppb

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-08	Instrumnet Name :	P8
Client Sample ID :	MH2GX6	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:44:45	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	923.55	918.82	903.79	915.39	1.13	ppb
Lead	208-1	926.28	915.29	913.89	918.49	0.74	ppb
Lithium	6-1				76		%
Magnesium	24-2	29900.68	30310.67	28673.78	29628.38	2.87	ppb
Manganese	55-2	9645.14	9536.93	9600.16	9594.07	0.57	ppb
Molybdenum	94-1	20.59	21.45	20.91	20.98	2.08	ppb
Molybdenum	95-1	2.99	3.05	2.99	3.01	1.08	ppb
Molybdenum	96-1	4.77	4.99	4.95	4.90	2.37	ppb
Molybdenum	97-1	2.81	2.84	2.90	2.85	1.60	ppb
Molybdenum	98-1	2.88	2.83	2.88	2.86	0.94	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	53.14	54.25	53.77	53.72	1.04	ppb
Phosphorus	31-2	3995.78	3749.87	4152.69	3966.11	5.12	ppb
Potassium	39-2	11382.17	11425.48	11406.23	11404.62	0.19	ppb
Rhodium	103-1				88		%
Rhodium	103-2				89		%
Scandium	45-1				90		%
Scandium	45-2				90		%
Selenium	82-1	1.46	2.65	2.94	2.35	33.45	ppb
Selenium	77-2	70.63	69.54	94.06	78.08	17.74	ppb
Selenium	78-2	13.77	12.39	13.55	13.24	5.60	ppb
Silicon	28-1	1308.75	1321.06	1307.28	1312.36	0.58	ppb
Silver	107-1	2.69	2.60	2.67	2.65	1.88	ppb
Silver	109-1	2.62	2.70	2.71	2.67	1.90	ppb
Sodium	23-2	1339.61	1339.97	1346.23	1341.93	0.28	ppb
Strontium	86-1	24280.04	24499.46	24106.00	24295.16	0.81	ppb
Strontium	88-1	24476.43	24249.49	24203.57	24309.83	0.60	ppb
Sulfur	34-1	2353.70	2426.46	2253.00	2344.39	3.72	ppb
Terbium	159-1				95		%
Terbium	159-2				93		%
Thallium	203-1	0.19	0.18	0.22	0.20	12.01	ppb
Thallium	205-1	0.22	0.18	0.22	0.21	10.42	ppb
Tin	118-1	9.59	9.64	9.84	9.69	1.34	ppb
Titanium	47-1	856.96	859.58	850.97	855.84	0.52	ppb
Uranium	238-1	9.54	9.61	9.59	9.58	0.35	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-08	Instrumnet Name :	P8
Client Sample ID :	MH2GX6	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:44:45	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	87.68	86.49	87.60	87.26	0.77	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				102		%
Zinc	66-2	2767.28	2777.84	2778.54	2774.55	0.23	ppb
Zirconium	90-1	9.95	10.15	10.01	10.04	1.05	ppb
Zirconium	91-1	9.94	10.31	10.05	10.10	1.86	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-09	Instrumnet Name :	P8
Client Sample ID :	MH2GX7	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:48:04	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13985.88	14112.56	13974.20	14024.21	0.55	ppb
Antimony	121-1	2.71	2.66	2.71	2.69	0.98	ppb
Arsenic	75-2	31.83	32.60	33.32	32.58	2.29	ppb
Barium	135-1	692.44	694.29	697.48	694.74	0.37	ppb
Barium	137-1	703.93	705.28	700.62	703.28	0.34	ppb
Beryllium	9-1	3.99	4.09	4.04	4.04	1.32	ppb
Bismuth	209-1				93		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	16.83	15.53	16.00	16.12	4.08	ppb
Cadmium	106-1	16.74	15.91	15.43	16.03	4.15	ppb
Cadmium	111-1	17.89	17.21	17.41	17.50	2.02	ppb
Calcium	43-1	172412.86	171954.25	170649.25	171672.12	0.53	ppb
Calcium	44-1	171315.06	167821.62	169577.35	169571.34	1.03	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	47.25	48.52	47.78	47.85	1.33	ppb
Cobalt	59-2	19.98	20.39	19.92	20.09	1.27	ppb
Copper	63-2	291.20	295.44	290.52	292.39	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				96		%
Holmium	165-2				93		%
Indium	115-1				94		%
Indium	115-2				90		%
Iron	54-2	37773.24	38884.59	38260.55	38306.13	1.45	ppb
Iron	56-2	39843.87	40697.52	40133.25	40224.88	1.08	ppb
Iron	57-2	37471.62	38492.88	37907.34	37957.28	1.35	ppb
Krypton	83-1						cps
Lead	206-1	1616.56	1587.53	1599.42	1601.17	0.91	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-09	Instrumnet Name :	P8
Client Sample ID :	MH2GX7	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:48:04	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1588.58	1537.10	1551.94	1559.20	1.70	ppb
Lead	208-1	1586.94	1545.60	1559.76	1564.10	1.34	ppb
Lithium	6-1				77		%
Magnesium	24-2	10789.75	10972.73	10998.31	10920.26	1.04	ppb
Manganese	55-2	6400.50	6458.46	6457.44	6438.80	0.52	ppb
Molybdenum	94-1	10.47	10.70	10.58	10.58	1.08	ppb
Molybdenum	95-1	2.64	2.69	2.61	2.64	1.55	ppb
Molybdenum	96-1	3.46	3.51	3.52	3.50	0.93	ppb
Molybdenum	97-1	2.51	2.74	2.59	2.61	4.38	ppb
Molybdenum	98-1	2.68	2.60	2.59	2.63	1.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	80.47	86.43	85.34	84.08	3.77	ppb
Phosphorus	31-2	4221.02	3726.28	3754.83	3900.71	7.12	ppb
Potassium	39-2	5697.59	5786.09	5805.10	5762.93	1.00	ppb
Rhodium	103-1				91		%
Rhodium	103-2				91		%
Scandium	45-1				90		%
Scandium	45-2				88		%
Selenium	82-1	2.03	0.48	1.74	1.42	58.35	ppb
Selenium	77-2	38.18	42.36	62.87	47.80	27.64	ppb
Selenium	78-2	5.63	10.44	12.71	9.59	37.66	ppb
Silicon	28-1	600.52	598.52	582.22	593.75	1.69	ppb
Silver	107-1	5.39	5.49	5.48	5.45	0.98	ppb
Silver	109-1	5.64	5.54	5.52	5.57	1.13	ppb
Sodium	23-2	719.45	728.56	723.44	723.82	0.63	ppb
Strontium	86-1	14091.57	14179.13	14046.80	14105.83	0.48	ppb
Strontium	88-1	14002.22	14034.27	14028.27	14021.59	0.12	ppb
Sulfur	34-1	687.09	597.42	533.17	605.89	12.76	ppb
Terbium	159-1				96		%
Terbium	159-2				93		%
Thallium	203-1	0.55	0.50	0.50	0.52	5.84	ppb
Thallium	205-1	0.55	0.54	0.53	0.54	1.88	ppb
Tin	118-1	17.73	18.03	18.14	17.97	1.18	ppb
Titanium	47-1	275.27	270.19	270.06	271.84	1.09	ppb
Uranium	238-1	5.15	4.91	4.97	5.01	2.51	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-09	Instrumnet Name :	P8
Client Sample ID :	MH2GX7	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:48:04	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	69.07	70.88	68.68	69.55	1.69	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				99		%
Zinc	66-2	3961.46	4076.59	3984.63	4007.56	1.52	ppb
Zirconium	90-1	4.55	4.57	4.43	4.52	1.68	ppb
Zirconium	91-1	4.49	4.49	4.42	4.46	0.90	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-10	Instrumnet Name :	P8
Client Sample ID :	MH2GX8	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:51:22	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10555.13	9142.45	8925.37	9540.98	9.28	ppb
Antimony	121-1	3.00	3.09	3.09	3.06	1.75	ppb
Arsenic	75-2	45.20	36.99	33.57	38.59	15.50	ppb
Barium	135-1	676.80	704.80	695.50	692.37	2.06	ppb
Barium	137-1	690.73	714.44	709.24	704.81	1.77	ppb
Beryllium	9-1	2.79	2.86	2.84	2.83	1.17	ppb
Bismuth	209-1				95		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Cadmium	108-1	20.08	22.79	21.77	21.55	6.35	ppb
Cadmium	106-1	20.89	20.96	20.55	20.80	1.04	ppb
Cadmium	111-1	22.01	22.38	22.23	22.21	0.83	ppb
Calcium	43-1	110170.71	118316.16	117993.83	115493.57	3.99	ppb
Calcium	44-1	113075.66	117725.31	117549.56	116116.84	2.27	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.11	15.15	15.99	16.75	12.47	ppb
Cobalt	59-2	26.29	22.03	22.22	23.51	10.22	ppb
Copper	63-2	473.37	404.73	404.97	427.69	9.25	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				96		%
Holmium	165-2				94		%
Indium	115-1				94		%
Indium	115-2				90		%
Iron	54-2	40774.35	34865.98	34663.74	36768.02	9.44	ppb
Iron	56-2	43398.40	36776.45	36194.31	38789.72	10.32	ppb
Iron	57-2	40470.98	34405.50	34491.23	36455.90	9.54	ppb
Krypton	83-1						cps
Lead	206-1	1728.87	1786.77	1781.70	1765.78	1.82	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-10	Instrumnet Name :	P8
Client Sample ID :	MH2GX8	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:51:22	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1673.36	1733.97	1726.98	1711.44	1.94	ppb
Lead	208-1	1689.67	1749.29	1735.75	1724.90	1.81	ppb
Lithium	6-1				76		%
Magnesium	24-2	7404.78	6341.77	6331.45	6692.67	9.21	ppb
Manganese	55-2	7996.33	6711.16	6813.61	7173.70	9.96	ppb
Molybdenum	94-1	8.00	8.07	7.88	7.98	1.23	ppb
Molybdenum	95-1	2.60	2.66	2.68	2.65	1.42	ppb
Molybdenum	96-1	3.17	3.11	3.30	3.19	2.95	ppb
Molybdenum	97-1	2.54	2.54	2.61	2.56	1.68	ppb
Molybdenum	98-1	2.55	2.57	2.52	2.55	0.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	89.44	75.81	75.52	80.25	9.91	ppb
Phosphorus	31-2	3766.16	3310.09	3225.07	3433.77	8.47	ppb
Potassium	39-2	5308.89	4562.68	4579.08	4816.88	8.85	ppb
Rhodium	103-1				92		%
Rhodium	103-2				91		%
Scandium	45-1				90		%
Scandium	45-2				88		%
Selenium	82-1	1.47	1.72	1.21	1.46	17.47	ppb
Selenium	77-2	64.93	44.85	48.82	52.87	20.11	ppb
Selenium	78-2	12.78	14.67	7.70	11.71	30.78	ppb
Silicon	28-1	264.77	272.76	273.81	270.44	1.83	ppb
Silver	107-1	8.64	8.77	8.80	8.74	1.00	ppb
Silver	109-1	8.42	8.79	8.89	8.70	2.85	ppb
Sodium	23-2	613.32	510.98	525.53	549.94	10.07	ppb
Strontium	86-1	10743.83	10988.24	10968.76	10900.28	1.25	ppb
Strontium	88-1	10710.70	11058.17	10993.26	10920.71	1.69	ppb
Sulfur	34-1	55.82	271.75	238.34	188.64	61.62	ppb
Terbium	159-1				97		%
Terbium	159-2				92		%
Thallium	203-1	0.74	0.80	0.79	0.78	4.38	ppb
Thallium	205-1	0.80	0.81	0.84	0.82	2.67	ppb
Tin	118-1	19.83	20.55	20.39	20.26	1.87	ppb
Titanium	47-1	172.11	176.74	179.36	176.07	2.08	ppb
Uranium	238-1	3.41	3.54	3.57	3.51	2.44	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-10	Instrumnet Name :	P8
Client Sample ID :	MH2GX8	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:51:22	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	65.08	55.74	54.47	58.43	9.92	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				98		%
Zinc	66-2	4839.30	4125.92	4095.55	4353.59	9.67	ppb
Zirconium	90-1	3.06	3.15	3.14	3.12	1.55	ppb
Zirconium	91-1	3.27	3.29	3.01	3.19	4.88	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-11	Instrumnet Name :	P8
Client Sample ID :	MH2GX9	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:54:43	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9548.35	9276.38	9506.21	9443.65	1.55	ppb
Antimony	121-1	1.07	1.05	1.18	1.10	6.30	ppb
Arsenic	75-2	15.37	17.06	15.06	15.83	6.81	ppb
Barium	135-1	596.68	618.57	616.73	610.66	1.99	ppb
Barium	137-1	607.32	627.25	628.08	620.89	1.89	ppb
Beryllium	9-1	1.83	1.80	1.93	1.85	3.68	ppb
Bismuth	209-1				91		%
Bismuth	209-2				88		%
Bromine	81-1						cps
Cadmium	108-1	4.55	5.89	5.45	5.30	12.81	ppb
Cadmium	106-1	6.15	6.94	5.97	6.35	8.13	ppb
Cadmium	111-1	5.55	6.01	5.96	5.84	4.31	ppb
Calcium	43-1	161295.92	163119.44	159562.11	161325.82	1.10	ppb
Calcium	44-1	154482.13	158158.26	157083.55	156574.64	1.21	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17.69	16.95	17.64	17.43	2.36	ppb
Cobalt	59-2	14.60	14.01	14.42	14.34	2.12	ppb
Copper	63-2	247.72	243.96	247.43	246.37	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				94		%
Holmium	165-2				92		%
Indium	115-1				92		%
Indium	115-2				88		%
Iron	54-2	13564.18	13234.33	13518.48	13439.00	1.33	ppb
Iron	56-2	14324.13	14017.32	14083.29	14141.58	1.14	ppb
Iron	57-2	13532.55	13109.31	13517.00	13386.29	1.79	ppb
Krypton	83-1						cps
Lead	206-1	369.01	374.47	373.49	372.33	0.78	ppb

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-11	Instrumnet Name :	P8
Client Sample ID :	MH2GX9	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:54:43	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	363.31	367.12	363.45	364.63	0.59	ppb
Lead	208-1	376.88	383.26	381.55	380.56	0.87	ppb
Lithium	6-1				76		%
Magnesium	24-2	6345.76	6174.34	6298.64	6272.91	1.41	ppb
Manganese	55-2	1896.80	1853.77	1884.36	1878.31	1.18	ppb
Molybdenum	94-1	5.65	5.75	5.71	5.70	0.91	ppb
Molybdenum	95-1	1.56	1.68	1.71	1.65	4.66	ppb
Molybdenum	96-1	2.13	2.03	2.13	2.10	2.84	ppb
Molybdenum	97-1	1.69	1.58	1.50	1.59	6.19	ppb
Molybdenum	98-1	1.59	1.56	1.61	1.59	1.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	88.45	85.98	88.81	87.75	1.76	ppb
Phosphorus	31-2	2903.02	2649.60	2464.83	2672.49	8.23	ppb
Potassium	39-2	3952.20	3909.63	3968.13	3943.32	0.77	ppb
Rhodium	103-1				91		%
Rhodium	103-2				89		%
Scandium	45-1				87		%
Scandium	45-2				86		%
Selenium	82-1	0.86	0.86	0.91	0.88	3.62	ppb
Selenium	77-2	35.03	47.30	47.52	43.28	16.52	ppb
Selenium	78-2	12.04	5.71	10.65	9.47	35.13	ppb
Silicon	28-1	333.70	341.00	342.09	338.93	1.35	ppb
Silver	107-1	1.81	1.88	1.83	1.84	2.03	ppb
Silver	109-1	1.82	1.92	1.84	1.86	2.93	ppb
Sodium	23-2	472.39	466.82	457.58	465.60	1.61	ppb
Strontium	86-1	7786.88	7840.56	7902.95	7843.46	0.74	ppb
Strontium	88-1	7821.35	8050.96	8062.90	7978.41	1.71	ppb
Sulfur	34-1	66.03	119.18	33.98	73.06	58.89	ppb
Terbium	159-1				95		%
Terbium	159-2				91		%
Thallium	203-1	0.32	0.34	0.29	0.32	7.80	ppb
Thallium	205-1	0.30	0.31	0.32	0.31	2.18	ppb
Tin	118-1	4.15	4.47	4.38	4.34	3.79	ppb
Titanium	47-1	65.92	67.08	67.87	66.96	1.47	ppb
Uranium	238-1	2.74	2.72	2.71	2.72	0.70	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-11	Instrumnet Name :	P8
Client Sample ID :	MH2GX9	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:54:43	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	64.43	62.56	63.66	63.55	1.48	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				96		%
Zinc	66-2	906.35	900.77	911.34	906.15	0.58	ppb
Zirconium	90-1	2.36	2.35	2.34	2.35	0.32	ppb
Zirconium	91-1	2.40	2.28	2.47	2.38	4.07	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-12	Instrumnet Name :	P8
Client Sample ID :	MH2GY0	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:58:05	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	33886.17	33197.75	34091.39	33725.10	1.39	ppb
Antimony	121-1	1.53	1.49	1.43	1.48	3.56	ppb
Arsenic	75-2	13.89	13.34	13.06	13.43	3.13	ppb
Barium	135-1	832.94	830.20	829.86	831.00	0.20	ppb
Barium	137-1	837.21	838.16	847.32	840.90	0.66	ppb
Beryllium	9-1	9.04	9.21	9.19	9.15	1.02	ppb
Bismuth	209-1				90		%
Bismuth	209-2				87		%
Bromine	81-1						cps
Cadmium	108-1	8.50	8.74	8.12	8.45	3.65	ppb
Cadmium	106-1	10.41	9.61	10.02	10.01	4.03	ppb
Cadmium	111-1	7.89	7.84	8.50	8.08	4.51	ppb
Calcium	43-1	258952.36	256679.59	258975.74	258202.56	0.51	ppb
Calcium	44-1	255345.43	253007.30	255628.41	254660.38	0.56	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	181.33	181.86	183.34	182.18	0.57	ppb
Cobalt	59-2	12.30	12.18	11.49	11.99	3.63	ppb
Copper	63-2	226.40	221.60	226.13	224.71	1.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				92		%
Indium	115-1				91		%
Indium	115-2				87		%
Iron	54-2	28960.61	28600.73	28982.15	28847.83	0.74	ppb
Iron	56-2	30643.98	30071.34	30510.15	30408.49	0.99	ppb
Iron	57-2	28680.66	28275.75	28868.13	28608.18	1.06	ppb
Krypton	83-1						cps
Lead	206-1	791.82	803.30	806.09	800.41	0.94	ppb

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-12	Instrumnet Name :	P8
Client Sample ID :	MH2GY0	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:58:05	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	767.20	774.61	765.35	769.05	0.64	ppb
Lead	208-1	771.77	776.59	771.85	773.40	0.36	ppb
Lithium	6-1				75		%
Magnesium	24-2	24836.28	24419.49	24763.00	24672.92	0.90	ppb
Manganese	55-2	8838.00	8639.66	8916.44	8798.03	1.62	ppb
Molybdenum	94-1	19.34	19.57	20.36	19.76	2.70	ppb
Molybdenum	95-1	3.08	3.16	3.19	3.14	1.77	ppb
Molybdenum	96-1	4.99	4.84	4.77	4.87	2.31	ppb
Molybdenum	97-1	2.88	2.92	3.05	2.95	2.95	ppb
Molybdenum	98-1	2.96	2.90	2.96	2.94	1.16	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	51.51	50.47	50.32	50.77	1.28	ppb
Phosphorus	31-2	3121.77	3171.92	3439.17	3244.29	5.26	ppb
Potassium	39-2	10905.87	10776.96	11045.57	10909.47	1.23	ppb
Rhodium	103-1				88		%
Rhodium	103-2				87		%
Scandium	45-1				87		%
Scandium	45-2				87		%
Selenium	82-1	3.06	1.60	2.51	2.39	30.99	ppb
Selenium	77-2	38.66	55.73	25.37	39.92	38.13	ppb
Selenium	78-2	6.93	5.70	12.82	8.48	44.91	ppb
Silicon	28-1	1274.16	1279.88	1294.24	1282.76	0.81	ppb
Silver	107-1	2.36	2.31	2.39	2.36	1.70	ppb
Silver	109-1	2.36	2.43	2.27	2.35	3.26	ppb
Sodium	23-2	1275.26	1257.41	1275.35	1269.34	0.81	ppb
Strontium	86-1	22712.78	22775.11	23108.92	22865.61	0.93	ppb
Strontium	88-1	22579.27	23041.78	22944.08	22855.04	1.07	ppb
Sulfur	34-1	2127.78	2048.58	2235.48	2137.28	4.39	ppb
Terbium	159-1				95		%
Terbium	159-2				92		%
Thallium	203-1	0.18	0.16	0.18	0.17	5.85	ppb
Thallium	205-1	0.20	0.18	0.17	0.19	8.94	ppb
Tin	118-1	8.74	8.69	8.70	8.71	0.31	ppb
Titanium	47-1	712.14	711.83	721.46	715.14	0.77	ppb
Uranium	238-1	7.97	7.91	7.77	7.88	1.32	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-12	Instrumnet Name :	P8
Client Sample ID :	MH2GY0	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:58:05	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	70.29	71.09	70.98	70.79	0.61	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				98		%
Zinc	66-2	2299.95	2260.13	2288.64	2282.91	0.90	ppb
Zirconium	90-1	9.41	9.53	9.66	9.53	1.31	ppb
Zirconium	91-1	9.31	9.72	9.70	9.58	2.42	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-13	Instrumnet Name :	P8
Client Sample ID :	MH2GY1	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:01:25	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	26410.69	25853.97	25610.94	25958.53	1.58	ppb
Antimony	121-1	2.44	2.36	2.43	2.41	1.89	ppb
Arsenic	75-2	29.44	29.21	26.68	28.44	5.39	ppb
Barium	135-1	837.74	841.67	834.55	837.99	0.43	ppb
Barium	137-1	846.85	852.18	831.33	843.46	1.28	ppb
Beryllium	9-1	7.83	7.58	7.39	7.60	2.93	ppb
Bismuth	209-1				90		%
Bismuth	209-2				88		%
Bromine	81-1						cps
Cadmium	108-1	16.43	15.78	16.90	16.37	3.42	ppb
Cadmium	106-1	17.29	17.86	16.35	17.17	4.42	ppb
Cadmium	111-1	16.00	16.21	15.71	15.97	1.56	ppb
Calcium	43-1	242085.71	239992.87	240134.91	240737.83	0.49	ppb
Calcium	44-1	237684.06	236334.19	235744.38	236587.54	0.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	90.95	89.25	87.16	89.12	2.13	ppb
Cobalt	59-2	18.26	17.76	18.04	18.02	1.37	ppb
Copper	63-2	354.98	348.29	345.63	349.63	1.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				92		%
Indium	115-1				92		%
Indium	115-2				88		%
Iron	54-2	36415.45	35451.19	35566.85	35811.16	1.47	ppb
Iron	56-2	37957.51	37401.33	36967.62	37442.15	1.33	ppb
Iron	57-2	35989.24	35072.51	34922.75	35328.17	1.63	ppb
Krypton	83-1						cps
Lead	206-1	1467.76	1438.45	1491.16	1465.79	1.80	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-13	Instrumnet Name :	P8
Client Sample ID :	MH2GY1	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:01:25	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1437.16	1434.13	1434.50	1435.26	0.11	ppb
Lead	208-1	1436.70	1422.11	1451.30	1436.70	1.02	ppb
Lithium	6-1				75		%
Magnesium	24-2	17919.45	17418.70	17362.20	17566.78	1.75	ppb
Manganese	55-2	9196.85	8805.82	8826.54	8943.07	2.46	ppb
Molybdenum	94-1	18.22	18.39	17.83	18.15	1.59	ppb
Molybdenum	95-1	4.98	4.86	4.81	4.88	1.76	ppb
Molybdenum	96-1	6.31	6.18	6.28	6.26	1.09	ppb
Molybdenum	97-1	5.07	4.92	4.77	4.92	3.06	ppb
Molybdenum	98-1	4.88	4.82	4.75	4.82	1.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	103.49	99.17	99.27	100.64	2.45	ppb
Phosphorus	31-2	3621.63	3425.33	3262.16	3436.37	5.24	ppb
Potassium	39-2	8759.74	8589.57	8511.35	8620.22	1.47	ppb
Rhodium	103-1				89		%
Rhodium	103-2				88		%
Scandium	45-1				89		%
Scandium	45-2				87		%
Selenium	82-1	2.25	1.64	0.83	1.57	45.16	ppb
Selenium	77-2	63.89	46.57	37.84	49.43	26.82	ppb
Selenium	78-2	5.66	11.63	9.16	8.82	34.06	ppb
Silicon	28-1	1062.42	1043.93	1050.05	1052.13	0.90	ppb
Silver	107-1	5.63	5.69	5.78	5.70	1.38	ppb
Silver	109-1	5.88	5.72	5.93	5.84	1.82	ppb
Sodium	23-2	1120.50	1088.39	1081.38	1096.75	1.90	ppb
Strontium	86-1	21346.15	21224.12	21074.66	21214.98	0.64	ppb
Strontium	88-1	21460.99	21485.70	21418.82	21455.17	0.16	ppb
Sulfur	34-1	1538.44	1414.14	1436.25	1462.94	4.53	ppb
Terbium	159-1				96		%
Terbium	159-2				91		%
Thallium	203-1	0.66	0.65	0.61	0.64	4.59	ppb
Thallium	205-1	0.64	0.65	0.63	0.64	1.21	ppb
Tin	118-1	14.66	14.67	14.57	14.64	0.38	ppb
Titanium	47-1	522.22	517.59	518.42	519.41	0.48	ppb
Uranium	238-1	7.59	7.41	7.58	7.53	1.36	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-13	Instrumnet Name :	P8
Client Sample ID :	MH2GY1	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:01:25	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	67.64	64.99	64.16	65.60	2.77	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				99		%
Zinc	66-2	3607.63	3518.39	3478.80	3534.94	1.87	ppb
Zirconium	90-1	7.57	7.60	7.63	7.60	0.41	ppb
Zirconium	91-1	7.66	7.74	7.51	7.64	1.54	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-14	Instrumnet Name :	P8
Client Sample ID :	MH2GY2	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:04:42	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12256.33	12237.79	12316.25	12270.12	0.33	ppb
Antimony	121-1	2.89	2.88	2.93	2.90	0.88	ppb
Arsenic	75-2	36.24	35.83	36.88	36.32	1.45	ppb
Barium	135-1	743.86	765.34	748.06	752.42	1.51	ppb
Barium	137-1	756.96	775.47	763.07	765.16	1.23	ppb
Beryllium	9-1	3.43	3.73	3.53	3.56	4.23	ppb
Bismuth	209-1				94		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	19.66	20.00	20.70	20.12	2.64	ppb
Cadmium	106-1	20.78	18.67	21.11	20.19	6.55	ppb
Cadmium	111-1	21.81	22.03	21.83	21.89	0.57	ppb
Calcium	43-1	139120.97	145496.08	138825.09	141147.38	2.67	ppb
Calcium	44-1	137228.99	140669.50	135343.65	137747.38	1.96	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	23.79	23.75	23.37	23.64	0.99	ppb
Cobalt	59-2	24.03	23.89	24.59	24.17	1.51	ppb
Copper	63-2	502.64	507.39	508.96	506.33	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				95		%
Holmium	165-2				92		%
Indium	115-1				93		%
Indium	115-2				88		%
Iron	54-2	41593.84	41693.39	42071.32	41786.18	0.60	ppb
Iron	56-2	43831.57	43786.23	44346.60	43988.13	0.71	ppb
Iron	57-2	41246.28	41124.29	42086.85	41485.81	1.26	ppb
Krypton	83-1						cps
Lead	206-1	1726.16	1787.58	1767.65	1760.46	1.78	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-14	Instrumnet Name :	P8
Client Sample ID :	MH2GY2	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:04:42	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1706.72	1754.51	1725.76	1729.00	1.39	ppb
Lead	208-1	1707.21	1748.08	1741.54	1732.28	1.27	ppb
Lithium	6-1				74		%
Magnesium	24-2	7817.11	7709.86	7835.18	7787.38	0.87	ppb
Manganese	55-2	7579.52	7449.04	7576.74	7535.10	0.99	ppb
Molybdenum	94-1	8.59	8.82	8.58	8.66	1.56	ppb
Molybdenum	95-1	2.51	2.51	2.52	2.51	0.21	ppb
Molybdenum	96-1	3.27	3.26	3.28	3.27	0.29	ppb
Molybdenum	97-1	2.48	2.46	2.51	2.48	0.87	ppb
Molybdenum	98-1	2.42	2.52	2.32	2.42	4.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	81.51	80.95	84.35	82.27	2.22	ppb
Phosphorus	31-2	3456.81	3787.86	3881.93	3708.87	6.02	ppb
Potassium	39-2	5130.79	5181.66	5242.18	5184.87	1.08	ppb
Rhodium	103-1				92		%
Rhodium	103-2				89		%
Scandium	45-1				88		%
Scandium	45-2				87		%
Selenium	82-1	1.39	2.67	1.19	1.75	45.72	ppb
Selenium	77-2	47.02	68.09	43.23	52.78	25.37	ppb
Selenium	78-2	4.46	4.44	2.06	3.65	37.74	ppb
Silicon	28-1	436.39	442.67	433.84	437.63	1.04	ppb
Silver	107-1	9.35	9.68	9.39	9.47	1.90	ppb
Silver	109-1	9.61	9.80	9.63	9.68	1.07	ppb
Sodium	23-2	598.13	583.82	610.21	597.39	2.21	ppb
Strontium	86-1	12294.22	12796.30	12476.45	12522.33	2.03	ppb
Strontium	88-1	12329.00	12872.48	12445.96	12549.14	2.28	ppb
Sulfur	34-1	58.62	225.75	234.36	172.91	57.30	ppb
Terbium	159-1				95		%
Terbium	159-2				91		%
Thallium	203-1	0.80	0.81	0.79	0.80	1.76	ppb
Thallium	205-1	0.81	0.82	0.78	0.81	2.61	ppb
Tin	118-1	24.17	24.52	23.86	24.19	1.36	ppb
Titanium	47-1	226.88	232.98	225.47	228.45	1.75	ppb
Uranium	238-1	4.60	4.70	4.61	4.64	1.15	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-14	Instrumnet Name :	P8
Client Sample ID :	MH2GY2	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:04:42	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	59.96	59.76	61.31	60.34	1.40	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				97		%
Zinc	66-2	5007.85	5038.30	5113.75	5053.30	1.08	ppb
Zirconium	90-1	3.35	3.61	3.47	3.48	3.72	ppb
Zirconium	91-1	3.35	3.60	3.58	3.51	3.94	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-15	Instrumnet Name :	P8
Client Sample ID :	MH2GY3	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:08:02	DataFile Name :	043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10936.39	11340.94	10778.93	11018.75	2.63	ppb
Antimony	121-1	1.90	2.00	1.97	1.96	2.67	ppb
Arsenic	75-2	25.75	27.66	26.92	26.78	3.61	ppb
Barium	135-1	706.39	707.65	706.59	706.88	0.10	ppb
Barium	137-1	714.21	716.31	719.26	716.59	0.35	ppb
Beryllium	9-1	2.78	2.77	2.75	2.77	0.61	ppb
Bismuth	209-1				95		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	11.60	12.57	12.53	12.23	4.52	ppb
Cadmium	106-1	13.60	12.38	13.37	13.12	4.94	ppb
Cadmium	111-1	13.37	13.90	14.18	13.82	2.99	ppb
Calcium	43-1	108456.51	112494.43	109615.41	110188.79	1.89	ppb
Calcium	44-1	111002.85	114977.37	112364.36	112781.52	1.79	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	24.35	25.32	23.88	24.52	3.00	ppb
Cobalt	59-2	20.49	21.15	20.42	20.69	1.94	ppb
Copper	63-2	306.68	320.05	302.55	309.76	2.95	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				96		%
Holmium	165-2				93		%
Indium	115-1				93		%
Indium	115-2				89		%
Iron	54-2	29126.23	30110.04	28632.74	29289.67	2.57	ppb
Iron	56-2	31262.91	31774.74	30405.18	31147.61	2.22	ppb
Iron	57-2	29084.42	29841.65	28266.35	29064.14	2.71	ppb
Krypton	83-1						cps
Lead	206-1	1121.10	1175.60	1145.54	1147.41	2.38	ppb

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-15	Instrumnet Name :	P8
Client Sample ID :	MH2GY3	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:08:02	DataFile Name :	043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1096.18	1141.19	1106.26	1114.54	2.12	ppb
Lead	208-1	1102.28	1147.99	1110.87	1120.38	2.17	ppb
Lithium	6-1				74		%
Magnesium	24-2	6092.55	6321.84	5968.48	6127.62	2.93	ppb
Manganese	55-2	4504.81	4662.00	4439.25	4535.36	2.52	ppb
Molybdenum	94-1	6.95	7.22	7.20	7.13	2.09	ppb
Molybdenum	95-1	2.76	2.77	2.90	2.81	2.64	ppb
Molybdenum	96-1	3.29	3.33	3.21	3.28	1.97	ppb
Molybdenum	97-1	2.80	2.69	2.79	2.76	2.15	ppb
Molybdenum	98-1	2.66	2.83	2.81	2.76	3.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	153.44	155.78	144.57	151.26	3.91	ppb
Phosphorus	31-2	3217.25	3245.04	3156.94	3206.41	1.40	ppb
Potassium	39-2	4747.69	4987.30	4751.06	4828.68	2.85	ppb
Rhodium	103-1				91		%
Rhodium	103-2				91		%
Scandium	45-1				87		%
Scandium	45-2				86		%
Selenium	82-1	0.66	2.80	1.33	1.60	68.53	ppb
Selenium	77-2	81.27	42.54	38.25	54.02	43.86	ppb
Selenium	78-2	9.33	10.49	12.89	10.90	16.67	ppb
Silicon	28-1	348.90	357.71	347.44	351.35	1.58	ppb
Silver	107-1	5.81	5.68	5.89	5.80	1.86	ppb
Silver	109-1	5.89	5.82	5.87	5.86	0.63	ppb
Sodium	23-2	513.42	540.59	501.11	518.37	3.90	ppb
Strontium	86-1	9093.09	9270.05	9315.86	9226.33	1.28	ppb
Strontium	88-1	9291.68	9416.54	9359.31	9355.84	0.67	ppb
Sulfur	34-1	-35.10	173.80	-20.40	39.43	295.68	ppb
Terbium	159-1				96		%
Terbium	159-2				93		%
Thallium	203-1	0.54	0.61	0.52	0.56	8.64	ppb
Thallium	205-1	0.56	0.61	0.59	0.59	3.86	ppb
Tin	118-1	14.52	14.97	14.88	14.79	1.61	ppb
Titanium	47-1	134.31	136.20	134.72	135.08	0.74	ppb
Uranium	238-1	3.61	3.74	3.55	3.64	2.63	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-15	Instrumnet Name :	P8
Client Sample ID :	MH2GY3	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:08:02	DataFile Name :	043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	64.16	69.39	65.21	66.25	4.18	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				98		%
Zinc	66-2	2989.47	3096.21	2922.99	3002.89	2.91	ppb
Zirconium	90-1	2.57	2.68	2.59	2.62	2.34	ppb
Zirconium	91-1	2.60	2.68	2.66	2.64	1.59	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-16	Instrumnet Name :	P8
Client Sample ID :	MH2GY4	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:11:21	DataFile Name :	044AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17553.23	17585.07	17253.25	17463.85	1.05	ppb
Antimony	121-1	3.33	3.38	3.28	3.33	1.42	ppb
Arsenic	75-2	20.51	22.18	22.24	21.64	4.54	ppb
Barium	135-1	611.70	622.94	633.34	622.66	1.74	ppb
Barium	137-1	618.33	633.94	639.98	630.75	1.77	ppb
Beryllium	9-1	4.34	4.30	4.47	4.37	1.99	ppb
Bismuth	209-1				91		%
Bismuth	209-2				89		%
Bromine	81-1						cps
Cadmium	108-1	11.65	11.96	10.11	11.24	8.80	ppb
Cadmium	106-1	12.06	11.14	13.32	12.17	9.02	ppb
Cadmium	111-1	10.52	11.12	11.32	10.99	3.78	ppb
Calcium	43-1	172644.26	173282.86	176331.29	174086.14	1.13	ppb
Calcium	44-1	170053.91	171228.24	169724.36	170335.51	0.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	179.66	175.00	174.05	176.24	1.71	ppb
Cobalt	59-2	18.93	18.77	18.48	18.73	1.22	ppb
Copper	63-2	208.86	206.56	206.42	207.28	0.66	ppb
Dysprosium	156-1						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				92		%
Indium	115-1				93		%
Indium	115-2				88		%
Iron	54-2	49263.26	48853.25	48580.18	48898.90	0.70	ppb
Iron	56-2	51609.28	51396.35	50627.73	51211.12	1.01	ppb
Iron	57-2	48502.93	48350.31	48047.70	48300.31	0.48	ppb
Krypton	83-1						cps
Lead	206-1	1137.81	1166.59	1135.91	1146.77	1.50	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-16	Instrumnet Name :	P8
Client Sample ID :	MH2GY4	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:11:21	DataFile Name :	044AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1089.80	1146.41	1098.75	1111.65	2.74	ppb
Lead	208-1	1092.73	1138.22	1105.77	1112.24	2.11	ppb
Lithium	6-1				74		%
Magnesium	24-2	19933.12	19842.22	19502.14	19759.16	1.15	ppb
Manganese	55-2	6266.54	6152.63	6073.86	6164.34	1.57	ppb
Molybdenum	94-1	14.54	14.74	15.11	14.80	1.96	ppb
Molybdenum	95-1	3.73	3.93	3.88	3.85	2.71	ppb
Molybdenum	96-1	4.85	5.02	5.24	5.04	3.87	ppb
Molybdenum	97-1	3.84	3.74	3.83	3.80	1.39	ppb
Molybdenum	98-1	3.78	3.85	3.66	3.77	2.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	73.52	71.85	73.34	72.90	1.26	ppb
Phosphorus	31-2	3961.54	3939.80	3996.65	3966.00	0.72	ppb
Potassium	39-2	8023.84	8006.78	7889.62	7973.41	0.92	ppb
Rhodium	103-1				90		%
Rhodium	103-2				89		%
Scandium	45-1				87		%
Scandium	45-2				86		%
Selenium	82-1	1.29	1.22	1.60	1.37	14.77	ppb
Selenium	77-2	43.04	68.57	47.06	52.89	25.96	ppb
Selenium	78-2	8.16	3.26	5.68	5.70	43.04	ppb
Silicon	28-1	920.36	927.41	915.74	921.17	0.64	ppb
Silver	107-1	3.13	3.39	3.37	3.30	4.40	ppb
Silver	109-1	3.34	3.41	3.46	3.40	1.74	ppb
Sodium	23-2	1015.14	1022.30	984.30	1007.25	2.00	ppb
Strontium	86-1	14022.98	14201.24	14453.48	14225.90	1.52	ppb
Strontium	88-1	14242.72	14174.58	14463.04	14293.44	1.05	ppb
Sulfur	34-1	1210.34	1403.06	1335.73	1316.38	7.43	ppb
Terbium	159-1				96		%
Terbium	159-2				91		%
Thallium	203-1	0.23	0.24	0.26	0.24	5.20	ppb
Thallium	205-1	0.25	0.24	0.25	0.25	2.64	ppb
Tin	118-1	12.67	13.01	13.28	12.99	2.37	ppb
Titanium	47-1	385.01	392.82	386.43	388.09	1.07	ppb
Uranium	238-1	4.95	5.12	4.95	5.00	1.96	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-16	Instrumnet Name :	P8
Client Sample ID :	MH2GY4	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:11:21	DataFile Name :	044AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	84.59	83.34	81.51	83.15	1.86	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				97		%
Zinc	66-2	4263.47	4228.72	4193.08	4228.42	0.83	ppb
Zirconium	90-1	6.07	6.14	6.20	6.14	1.03	ppb
Zirconium	91-1	6.26	5.79	6.31	6.12	4.71	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-17	Instrumnet Name :	P8
Client Sample ID :	MH2GY5	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:14:41	DataFile Name :	045AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16595.74	16013.50	16665.15	16424.79	2.18	ppb
Antimony	121-1	2.86	3.00	2.86	2.91	2.79	ppb
Arsenic	75-2	49.72	49.39	51.02	50.05	1.72	ppb
Barium	135-1	739.16	750.08	752.44	747.23	0.95	ppb
Barium	137-1	750.22	767.98	761.03	759.75	1.18	ppb
Beryllium	9-1	4.52	4.55	4.48	4.51	0.79	ppb
Bismuth	209-1				93		%
Bismuth	209-2				89		%
Bromine	81-1						cps
Cadmium	108-1	23.31	21.84	22.70	22.62	3.26	ppb
Cadmium	106-1	21.51	24.37	24.40	23.42	7.09	ppb
Cadmium	111-1	23.99	25.28	24.63	24.63	2.64	ppb
Calcium	43-1	198081.29	197323.33	194987.19	196797.27	0.82	ppb
Calcium	44-1	192356.14	193864.89	191680.91	192633.98	0.58	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	77.64	75.63	78.94	77.40	2.16	ppb
Cobalt	59-2	24.27	24.13	25.10	24.50	2.13	ppb
Copper	63-2	501.46	487.88	508.06	499.13	2.06	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				95		%
Holmium	165-2				91		%
Indium	115-1				93		%
Indium	115-2				87		%
Iron	54-2	48677.04	47201.21	48933.50	48270.58	1.94	ppb
Iron	56-2	51367.47	49765.70	51778.10	50970.42	2.09	ppb
Iron	57-2	48223.97	46842.66	48390.51	47819.05	1.78	ppb
Krypton	83-1						cps
Lead	206-1	1930.60	1968.05	1918.99	1939.22	1.32	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-17	Instrumnet Name :	P8
Client Sample ID :	MH2GY5	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:14:41	DataFile Name :	045AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1901.24	1929.03	1883.75	1904.67	1.20	ppb
Lead	208-1	1891.22	1922.49	1911.69	1908.47	0.83	ppb
Lithium	6-1				74		%
Magnesium	24-2	13328.56	12912.47	13379.92	13206.98	1.94	ppb
Manganese	55-2	8143.27	7895.01	8112.77	8050.35	1.68	ppb
Molybdenum	94-1	11.53	11.65	11.75	11.64	0.93	ppb
Molybdenum	95-1	3.09	2.88	2.88	2.95	4.20	ppb
Molybdenum	96-1	3.89	4.05	4.05	4.00	2.42	ppb
Molybdenum	97-1	2.84	3.02	2.97	2.94	3.14	ppb
Molybdenum	98-1	2.91	2.95	2.96	2.94	0.81	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	93.23	88.78	94.11	92.04	3.11	ppb
Phosphorus	31-2	3611.01	3292.34	3516.47	3473.28	4.71	ppb
Potassium	39-2	6864.41	6760.65	6923.78	6849.62	1.21	ppb
Rhodium	103-1				89		%
Rhodium	103-2				88		%
Scandium	45-1				87		%
Scandium	45-2				86		%
Selenium	82-1	1.91	1.17	1.35	1.47	26.02	ppb
Selenium	77-2	69.56	60.09	47.48	59.04	18.76	ppb
Selenium	78-2	8.25	5.70	10.64	8.20	30.13	ppb
Silicon	28-1	715.58	722.82	716.31	718.24	0.55	ppb
Silver	107-1	9.06	9.09	9.17	9.11	0.59	ppb
Silver	109-1	9.32	9.25	9.35	9.30	0.58	ppb
Sodium	23-2	834.66	799.06	851.99	828.57	3.26	ppb
Strontium	86-1	15510.58	15987.24	15946.10	15814.64	1.67	ppb
Strontium	88-1	15633.15	16156.16	16118.48	15969.26	1.83	ppb
Sulfur	34-1	1031.40	1180.34	1083.88	1098.54	6.88	ppb
Terbium	159-1				96		%
Terbium	159-2				91		%
Thallium	203-1	0.61	0.60	0.57	0.59	3.19	ppb
Thallium	205-1	0.64	0.61	0.62	0.62	2.45	ppb
Tin	118-1	17.33	17.47	17.35	17.38	0.42	ppb
Titanium	47-1	298.74	305.30	297.09	300.38	1.44	ppb
Uranium	238-1	4.64	4.57	4.75	4.65	1.96	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-17	Instrumnet Name :	P8
Client Sample ID :	MH2GY5	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:14:41	DataFile Name :	045AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	83.83	81.34	84.40	83.19	1.96	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				97		%
Zinc	66-2	5596.52	5392.82	5618.12	5535.82	2.25	ppb
Zirconium	90-1	4.93	5.20	5.06	5.06	2.59	ppb
Zirconium	91-1	4.96	5.10	5.21	5.09	2.48	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCV014	Instrumnet Name :	P8
Client Sample ID :	CCV014	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:17:58	DataFile Name :	046CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48610.61	48522.61	47366.20	48166.47	1.44	ppb
Antimony	121-1	472.83	482.71	502.43	485.99	3.10	ppb
Arsenic	75-2	479.88	485.68	482.63	482.73	0.60	ppb
Barium	135-1	2431.66	2506.48	2536.14	2491.43	2.16	ppb
Barium	137-1	2444.31	2479.55	2548.60	2490.82	2.13	ppb
Beryllium	9-1	540.48	546.44	548.34	545.09	0.75	ppb
Bismuth	209-1				76		%
Bismuth	209-2				74		%
Bromine	81-1						cps
Cadmium	108-1	470.59	475.63	479.79	475.34	0.97	ppb
Cadmium	106-1	449.16	480.20	490.55	473.30	4.55	ppb
Cadmium	111-1	459.62	473.59	487.18	473.46	2.91	ppb
Calcium	43-1	250276.96	250782.86	247245.34	249435.05	0.77	ppb
Calcium	44-1	248989.03	242933.59	243828.42	245250.35	1.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	500.79	502.09	493.70	498.86	0.90	ppb
Cobalt	59-2	505.78	508.12	494.00	502.63	1.51	ppb
Copper	63-2	5056.58	5053.88	4925.42	5011.96	1.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				84		%
Holmium	165-2				81		%
Indium	115-1				78		%
Indium	115-2				73		%
Iron	54-2	126462.10	128573.87	126689.93	127241.97	0.91	ppb
Iron	56-2	127089.34	127542.00	123434.03	126021.79	1.79	ppb
Iron	57-2	119719.24	119958.44	116186.65	118621.44	1.78	ppb
Krypton	83-1						cps
Lead	206-1	2531.72	2620.03	2584.68	2578.81	1.72	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCV014	Instrumnet Name :	P8
Client Sample ID :	CCV014	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:17:58	DataFile Name :	046CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2547.50	2565.94	2608.56	2574.00	1.22	ppb
Lead	208-1	2543.07	2595.42	2596.81	2578.44	1.19	ppb
Lithium	6-1				61		%
Magnesium	24-2	242593.61	241777.59	235816.95	240062.72	1.54	ppb
Manganese	55-2	4781.69	4787.65	4655.93	4741.76	1.57	ppb
Molybdenum	94-1	5238.94	5173.27	5242.33	5218.18	0.75	ppb
Molybdenum	95-1	5153.12	5141.30	5161.70	5152.04	0.20	ppb
Molybdenum	96-1	5177.83	5130.02	5175.13	5161.00	0.52	ppb
Molybdenum	97-1	5158.76	5151.37	5274.92	5195.02	1.33	ppb
Molybdenum	98-1	5165.14	5141.47	5194.41	5167.01	0.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	489.45	491.31	476.10	485.62	1.71	ppb
Phosphorus	31-2	10185.80	9332.78	9492.63	9670.40	4.69	ppb
Potassium	39-2	122738.91	122467.46	119125.09	121443.82	1.66	ppb
Rhodium	103-1				75		%
Rhodium	103-2				72		%
Scandium	45-1				75		%
Scandium	45-2				72		%
Selenium	82-1	501.30	501.50	501.93	501.57	0.06	ppb
Selenium	77-2	518.85	569.82	319.44	469.37	28.19	ppb
Selenium	78-2	457.37	446.52	502.09	468.66	6.28	ppb
Silicon	28-1	514.57	514.15	505.17	511.30	1.04	ppb
Silver	107-1	475.36	482.37	492.56	483.43	1.79	ppb
Silver	109-1	484.98	488.17	503.00	492.05	1.95	ppb
Sodium	23-2	244255.86	245652.13	237562.29	242490.09	1.78	ppb
Strontium	86-1	12671.75	12695.93	12763.06	12710.25	0.37	ppb
Strontium	88-1	12737.18	12897.15	12800.64	12811.66	0.63	ppb
Sulfur	34-1	10125.99	9694.45	9631.96	9817.47	2.74	ppb
Terbium	159-1				85		%
Terbium	159-2				80		%
Thallium	203-1	481.38	487.08	493.69	487.38	1.26	ppb
Thallium	205-1	515.54	526.07	519.85	520.49	1.02	ppb
Tin	118-1	456.07	463.48	476.80	465.45	2.26	ppb
Titanium	47-1	5166.08	5193.29	5080.94	5146.77	1.14	ppb
Uranium	238-1	531.08	535.35	549.39	538.60	1.78	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCV014	Instrumnet Name :	P8
Client Sample ID :	CCV014	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:17:58	DataFile Name :	046CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	507.90	509.16	501.11	506.05	0.86	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				79		%
Yttrium	89-2				76		%
Zinc	66-2	4877.57	4942.57	4798.59	4872.91	1.48	ppb
Zirconium	90-1	526.17	517.71	527.39	523.76	1.01	ppb
Zirconium	91-1	497.68	493.86	494.88	495.47	0.40	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCB014	Instrumnet Name :	P8
Client Sample ID :	CCB014	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:21:04	DataFile Name :	047CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.85	0.72	2.25	1.61	49.31	ppb
Antimony	121-1	0.14	0.13	0.12	0.13	8.11	ppb
Arsenic	75-2	0.06	0.06	0.13	0.09	43.78	ppb
Barium	135-1	0.48	0.39	0.30	0.39	23.46	ppb
Barium	137-1	0.41	0.39	0.35	0.39	7.08	ppb
Beryllium	9-1	0.28	0.24	0.24	0.25	9.35	ppb
Bismuth	209-1				85		%
Bismuth	209-2				83		%
Bromine	81-1						cps
Cadmium	108-1	-0.15	-0.10	-0.04	-0.10		ppb
Cadmium	106-1	-1.88	-1.30	-1.50	-1.56		ppb
Cadmium	111-1	-0.10	-0.05	-0.06	-0.07		ppb
Calcium	43-1	10.41	4.51	1.54	5.49	82.29	ppb
Calcium	44-1	13.73	8.84	8.21	10.26	29.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	0.01	0.04	0.02	111.45	ppb
Cobalt	59-2	0.05	0.03	0.00	0.03	88.74	ppb
Copper	63-2	0.45	0.42	0.34	0.40	13.55	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				84		%
Holmium	165-2				82		%
Indium	115-1				82		%
Indium	115-2				79		%
Iron	54-2	9.80	8.22	7.57	8.53	13.44	ppb
Iron	56-2	8.30	7.86	7.25	7.80	6.79	ppb
Iron	57-2	10.43	8.89	10.83	10.05	10.16	ppb
Krypton	83-1						cps
Lead	206-1	0.35	0.26	0.21	0.27	24.70	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCB014	Instrumnet Name :	P8
Client Sample ID :	CCB014	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:21:04	DataFile Name :	047CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.29	0.28	0.19	0.25	20.76	ppb
Lead	208-1	0.31	0.24	0.22	0.25	18.41	ppb
Lithium	6-1				61		%
Magnesium	24-2	10.63	9.89	10.46	10.33	3.77	ppb
Manganese	55-2	0.39	0.52	0.24	0.38	36.51	ppb
Molybdenum	94-1	0.34	0.31	0.35	0.33	6.76	ppb
Molybdenum	95-1	0.41	0.29	0.26	0.32	24.20	ppb
Molybdenum	96-1	0.38	0.29	0.34	0.34	13.51	ppb
Molybdenum	97-1	0.39	0.27	0.22	0.29	29.97	ppb
Molybdenum	98-1	0.36	0.27	0.26	0.30	19.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.48	0.73	0.67	0.63	20.94	ppb
Phosphorus	31-2	-39.13	-47.36	-39.11	-41.87		ppb
Potassium	39-2	58.09	59.62	51.04	56.25	8.14	ppb
Rhodium	103-1				81		%
Rhodium	103-2				80		%
Scandium	45-1				74		%
Scandium	45-2				72		%
Selenium	82-1	0.54	0.15	0.71	0.47	60.72	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.40	1.12	1.14	0.62	142.13	ppb
Silicon	28-1	0.11	0.07	0.06	0.08	31.06	ppb
Silver	107-1	0.08	0.06	0.06	0.07	11.93	ppb
Silver	109-1	0.07	0.08	0.06	0.07	13.30	ppb
Sodium	23-2	147.84	162.61	146.39	152.28	5.89	ppb
Strontium	86-1	-0.32	-0.64	0.27	-0.23		ppb
Strontium	88-1	0.35	0.24	0.35	0.31	21.48	ppb
Sulfur	34-1	-222.47	-392.18	-272.99	-295.88		ppb
Terbium	159-1				85		%
Terbium	159-2				81		%
Thallium	203-1	0.09	0.07	0.04	0.07	31.78	ppb
Thallium	205-1	0.07	0.06	0.05	0.06	14.62	ppb
Tin	118-1	0.04	0.02	0.06	0.04	52.77	ppb
Titanium	47-1	0.92	0.18	0.08	0.39	116.60	ppb
Uranium	238-1	0.03	0.02	0.02	0.02	15.71	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCB014	Instrumnet Name :	P8
Client Sample ID :	CCB014	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:21:04	DataFile Name :	047CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	-0.01	0.01	0.00	370.80	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				79		%
Yttrium	89-2				78		%
Zinc	66-2	0.47	0.81	0.56	0.61	28.41	ppb
Zirconium	90-1	0.04	0.03	0.03	0.03	20.50	ppb
Zirconium	91-1	0.02	0.01	0.01	0.01	23.53	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-18	Instrumnet Name :	P8
Client Sample ID :	MH2GY6	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:26:34	DataFile Name :	048AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9141.90	9321.59	9881.74	9448.41	4.08	ppb
Antimony	121-1	2.17	2.18	2.20	2.18	0.68	ppb
Arsenic	75-2	39.91	42.68	46.89	43.16	8.14	ppb
Barium	135-1	583.22	590.26	596.95	590.15	1.16	ppb
Barium	137-1	596.39	601.01	600.40	599.27	0.42	ppb
Beryllium	9-1	2.55	2.48	2.65	2.56	3.35	ppb
Bismuth	209-1				87		%
Bismuth	209-2				87		%
Bromine	81-1						cps
Cadmium	108-1	15.39	16.07	14.74	15.40	4.32	ppb
Cadmium	106-1	14.78	16.35	14.57	15.23	6.39	ppb
Cadmium	111-1	16.45	17.23	17.00	16.89	2.40	ppb
Calcium	43-1	130688.87	133391.20	135100.39	133060.15	1.67	ppb
Calcium	44-1	132722.13	130882.89	132593.07	132066.03	0.78	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	18.84	18.88	20.10	19.27	3.70	ppb
Cobalt	59-2	19.89	19.53	21.27	20.23	4.55	ppb
Copper	63-2	389.57	393.18	420.03	400.93	4.15	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				89		%
Holmium	165-2				89		%
Indium	115-1				86		%
Indium	115-2				85		%
Iron	54-2	23110.50	23435.65	24934.87	23827.01	4.08	ppb
Iron	56-2	24281.71	24546.83	26235.25	25021.26	4.24	ppb
Iron	57-2	22764.49	23240.20	24808.67	23604.45	4.53	ppb
Krypton	83-1						cps
Lead	206-1	1160.99	1226.49	1185.72	1191.07	2.78	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-18	Instrumnet Name :	P8
Client Sample ID :	MH2GY6	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:26:34	DataFile Name :	048AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1156.26	1211.29	1164.63	1177.39	2.52	ppb
Lead	208-1	1154.45	1209.27	1172.94	1178.89	2.37	ppb
Lithium	6-1				67		%
Magnesium	24-2	5700.83	5708.96	6108.98	5839.59	4.00	ppb
Manganese	55-2	4067.55	4098.68	4382.92	4183.05	4.15	ppb
Molybdenum	94-1	7.18	7.02	7.01	7.07	1.29	ppb
Molybdenum	95-1	2.02	2.08	2.15	2.08	3.07	ppb
Molybdenum	96-1	2.77	2.72	2.68	2.72	1.65	ppb
Molybdenum	97-1	2.26	2.27	2.06	2.20	5.18	ppb
Molybdenum	98-1	1.98	2.14	2.20	2.11	5.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	61.07	61.38	66.80	63.08	5.11	ppb
Phosphorus	31-2	2825.92	3114.74	3243.11	3061.26	6.98	ppb
Potassium	39-2	3532.52	3589.84	3802.15	3641.50	3.90	ppb
Rhodium	103-1				83		%
Rhodium	103-2				86		%
Scandium	45-1				79		%
Scandium	45-2				82		%
Selenium	82-1	0.92	1.52	0.96	1.14	29.48	ppb
Selenium	77-2	56.74	43.90	51.39	50.68	12.73	ppb
Selenium	78-2	8.28	9.59	8.89	8.92	7.29	ppb
Silicon	28-1	201.16	201.17	200.67	201.00	0.14	ppb
Silver	107-1	6.68	6.75	6.72	6.71	0.54	ppb
Silver	109-1	6.65	6.89	6.72	6.75	1.78	ppb
Sodium	23-2	508.54	523.81	567.12	533.16	5.70	ppb
Strontium	86-1	9246.53	9377.24	9343.04	9322.27	0.73	ppb
Strontium	88-1	9326.89	9270.81	9612.24	9403.31	1.95	ppb
Sulfur	34-1	405.06	365.42	357.54	376.01	6.77	ppb
Terbium	159-1				89		%
Terbium	159-2				88		%
Thallium	203-1	0.65	0.65	0.75	0.69	8.14	ppb
Thallium	205-1	0.71	0.74	0.70	0.72	2.71	ppb
Tin	118-1	9.45	9.43	9.48	9.45	0.30	ppb
Titanium	47-1	118.30	116.62	118.72	117.88	0.94	ppb
Uranium	238-1	2.77	2.84	2.77	2.79	1.36	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-18	Instrumnet Name :	P8
Client Sample ID :	MH2GY6	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:26:34	DataFile Name :	048AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	65.99	65.49	70.82	67.43	4.37	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				91		%
Yttrium	89-2				93		%
Zinc	66-2	2371.52	2397.99	2576.50	2448.67	4.55	ppb
Zirconium	90-1	2.81	2.81	2.71	2.78	2.01	ppb
Zirconium	91-1	2.88	2.87	2.83	2.86	0.95	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-19	Instrumnet Name :	P8
Client Sample ID :	MH2GY7	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:29:54	DataFile Name :	049AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8491.87	8571.97	8672.85	8578.89	1.06	ppb
Antimony	121-1	1.08	1.08	1.06	1.07	1.24	ppb
Arsenic	75-2	17.83	19.91	16.83	18.19	8.64	ppb
Barium	135-1	533.11	540.68	551.61	541.80	1.72	ppb
Barium	137-1	540.41	546.54	557.47	548.14	1.58	ppb
Beryllium	9-1	1.84	1.90	1.89	1.88	1.89	ppb
Bismuth	209-1				89		%
Bismuth	209-2				87		%
Bromine	81-1						cps
Cadmium	108-1	4.82	4.97	3.73	4.51	15.10	ppb
Cadmium	106-1	5.22	5.60	5.77	5.53	5.06	ppb
Cadmium	111-1	5.14	5.26	5.59	5.33	4.37	ppb
Calcium	43-1	149494.76	151774.27	154535.68	151934.90	1.66	ppb
Calcium	44-1	149472.10	149284.32	150931.09	149895.84	0.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	14.54	13.49	13.86	13.96	3.79	ppb
Cobalt	59-2	13.92	13.89	14.12	13.97	0.91	ppb
Copper	63-2	102.27	101.88	103.17	102.44	0.64	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				92		%
Holmium	165-2				91		%
Indium	115-1				90		%
Indium	115-2				86		%
Iron	54-2	9958.68	9988.96	9976.86	9974.84	0.15	ppb
Iron	56-2	10420.21	10484.81	10608.62	10504.55	0.91	ppb
Iron	57-2	9892.72	9814.69	9970.54	9892.65	0.79	ppb
Krypton	83-1						cps
Lead	206-1	264.75	266.24	263.22	264.74	0.57	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-19	Instrumnet Name :	P8
Client Sample ID :	MH2GY7	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:29:54	DataFile Name :	049AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	261.00	264.37	260.87	262.08	0.76	ppb
Lead	208-1	263.58	264.90	261.80	263.42	0.59	ppb
Lithium	6-1				71		%
Magnesium	24-2	6085.32	6083.41	6109.02	6092.59	0.23	ppb
Manganese	55-2	1641.70	1651.38	1667.82	1653.63	0.80	ppb
Molybdenum	94-1	6.44	6.44	6.62	6.50	1.60	ppb
Molybdenum	95-1	1.29	1.51	1.41	1.40	8.04	ppb
Molybdenum	96-1	2.03	2.02	2.08	2.05	1.61	ppb
Molybdenum	97-1	1.41	1.59	1.47	1.49	6.02	ppb
Molybdenum	98-1	1.45	1.43	1.40	1.43	1.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	53.82	52.88	54.70	53.80	1.69	ppb
Phosphorus	31-2	2925.96	3006.16	3194.04	3042.05	4.52	ppb
Potassium	39-2	2734.08	2785.66	2812.64	2777.46	1.44	ppb
Rhodium	103-1				87		%
Rhodium	103-2				87		%
Scandium	45-1				83		%
Scandium	45-2				83		%
Selenium	82-1	0.43	0.62	1.36	0.80	61.64	ppb
Selenium	77-2	65.60	56.61	73.90	65.37	13.23	ppb
Selenium	78-2	4.57	4.55	9.49	6.20	45.83	ppb
Silicon	28-1	158.95	164.46	164.26	162.56	1.92	ppb
Silver	107-1	1.85	1.89	1.86	1.87	1.12	ppb
Silver	109-1	1.95	1.98	2.02	1.98	1.66	ppb
Sodium	23-2	453.44	462.59	468.11	461.38	1.61	ppb
Strontium	86-1	8458.80	8590.99	8482.29	8510.69	0.83	ppb
Strontium	88-1	8662.86	8674.96	8584.86	8640.89	0.57	ppb
Sulfur	34-1	173.55	103.34	158.02	144.97	25.44	ppb
Terbium	159-1				93		%
Terbium	159-2				90		%
Thallium	203-1	0.26	0.27	0.26	0.26	3.37	ppb
Thallium	205-1	0.27	0.28	0.27	0.27	2.54	ppb
Tin	118-1	2.76	2.71	2.82	2.76	2.04	ppb
Titanium	47-1	63.90	65.56	66.01	65.16	1.71	ppb
Uranium	238-1	2.98	3.05	2.95	2.99	1.70	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-19	Instrumnet Name :	P8
Client Sample ID :	MH2GY7	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:29:54	DataFile Name :	049AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	54.74	55.24	55.55	55.18	0.74	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				96		%
Zinc	66-2	656.99	657.10	663.47	659.18	0.56	ppb
Zirconium	90-1	2.86	2.95	2.85	2.89	1.95	ppb
Zirconium	91-1	2.94	3.09	2.87	2.97	3.85	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-20	Instrumnet Name :	P8
Client Sample ID :	MH2GY8	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:33:17	DataFile Name :	050AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9233.75	9654.20	9499.15	9462.36	2.25	ppb
Antimony	121-1	3.35	3.36	3.41	3.37	0.92	ppb
Arsenic	75-2	35.34	37.69	33.52	35.52	5.89	ppb
Barium	135-1	587.13	585.11	578.08	583.44	0.81	ppb
Barium	137-1	590.25	589.90	580.41	586.85	0.95	ppb
Beryllium	9-1	2.51	2.57	2.45	2.51	2.22	ppb
Bismuth	209-1				90		%
Bismuth	209-2				87		%
Bromine	81-1						cps
Cadmium	108-1	14.16	15.67	15.63	15.15	5.68	ppb
Cadmium	106-1	15.03	16.80	14.63	15.49	7.45	ppb
Cadmium	111-1	17.05	16.90	16.51	16.82	1.64	ppb
Calcium	43-1	185005.50	182875.07	182212.13	183364.23	0.80	ppb
Calcium	44-1	180551.27	182141.64	175387.37	179360.09	1.97	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	52.49	54.12	53.84	53.48	1.63	ppb
Cobalt	59-2	17.40	17.77	17.72	17.63	1.16	ppb
Copper	63-2	261.27	271.24	266.28	266.26	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				93		%
Holmium	165-2				89		%
Indium	115-1				90		%
Indium	115-2				85		%
Iron	54-2	31550.18	32500.15	31979.38	32009.90	1.49	ppb
Iron	56-2	33578.19	34247.95	33661.91	33829.35	1.08	ppb
Iron	57-2	31337.96	32358.95	31636.36	31777.76	1.65	ppb
Krypton	83-1						cps
Lead	206-1	1555.50	1545.67	1492.65	1531.27	2.21	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-20	Instrumnet Name :	P8
Client Sample ID :	MH2GY8	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:33:17	DataFile Name :	050AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1500.89	1515.32	1442.25	1486.15	2.60	ppb
Lead	208-1	1502.54	1504.71	1443.17	1483.47	2.35	ppb
Lithium	6-1				71		%
Magnesium	24-2	8525.85	8761.69	8714.07	8667.20	1.44	ppb
Manganese	55-2	3720.92	3873.69	3775.43	3790.01	2.04	ppb
Molybdenum	94-1	9.32	9.20	8.70	9.08	3.64	ppb
Molybdenum	95-1	3.64	3.69	3.48	3.60	2.97	ppb
Molybdenum	96-1	4.30	4.58	4.19	4.36	4.67	ppb
Molybdenum	97-1	3.60	3.84	3.42	3.62	5.73	ppb
Molybdenum	98-1	3.51	3.74	3.38	3.54	5.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	71.18	74.40	73.54	73.04	2.28	ppb
Phosphorus	31-2	4028.72	4006.63	3950.29	3995.22	1.01	ppb
Potassium	39-2	4263.81	4445.70	4378.18	4362.57	2.11	ppb
Rhodium	103-1				87		%
Rhodium	103-2				86		%
Scandium	45-1				83		%
Scandium	45-2				83		%
Selenium	82-1	1.74	1.74	1.18	1.55	20.97	ppb
Selenium	77-2	48.91	17.95	89.78	52.21	69.00	ppb
Selenium	78-2	12.24	3.43	14.91	10.19	58.94	ppb
Silicon	28-1	316.01	318.58	306.25	313.61	2.07	ppb
Silver	107-1	3.88	3.95	3.93	3.92	0.96	ppb
Silver	109-1	4.06	4.06	3.95	4.02	1.68	ppb
Sodium	23-2	1068.73	1117.27	1092.76	1092.92	2.22	ppb
Strontium	86-1	13437.02	13718.21	13213.69	13456.31	1.88	ppb
Strontium	88-1	13344.83	13731.87	13208.29	13428.33	2.02	ppb
Sulfur	34-1	1163.12	1174.33	995.19	1110.88	9.03	ppb
Terbium	159-1				93		%
Terbium	159-2				89		%
Thallium	203-1	0.40	0.34	0.33	0.35	10.13	ppb
Thallium	205-1	0.36	0.35	0.35	0.36	2.15	ppb
Tin	118-1	17.40	17.64	17.32	17.46	0.95	ppb
Titanium	47-1	180.53	181.69	175.58	179.27	1.81	ppb
Uranium	238-1	3.95	4.04	3.88	3.96	2.13	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-20	Instrumnet Name :	P8
Client Sample ID :	MH2GY8	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:33:17	DataFile Name :	050AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	69.72	72.66	71.26	71.22	2.06	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				95		%
Yttrium	89-2				93		%
Zinc	66-2	3011.85	3099.84	3086.29	3065.99	1.55	ppb
Zirconium	90-1	3.37	3.47	3.49	3.44	1.85	ppb
Zirconium	91-1	3.35	3.52	3.28	3.38	3.71	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-21	Instrumnet Name :	P8
Client Sample ID :	MH2GY9	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:36:36	DataFile Name :	051AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8944.79	8808.83	8846.05	8866.56	0.79	ppb
Antimony	121-1	3.88	3.83	3.85	3.85	0.69	ppb
Arsenic	75-2	55.81	54.34	55.47	55.21	1.40	ppb
Barium	135-1	554.34	559.77	559.98	558.03	0.57	ppb
Barium	137-1	560.07	572.01	566.24	566.11	1.05	ppb
Beryllium	9-1	2.53	2.51	2.48	2.50	0.95	ppb
Bismuth	209-1				91		%
Bismuth	209-2				88		%
Bromine	81-1						cps
Cadmium	108-1	21.80	22.84	21.94	22.19	2.53	ppb
Cadmium	106-1	21.43	22.55	23.56	22.51	4.75	ppb
Cadmium	111-1	25.24	25.47	25.04	25.25	0.85	ppb
Calcium	43-1	144584.13	142127.95	149090.53	145267.54	2.43	ppb
Calcium	44-1	141488.09	141089.36	143864.53	142147.33	1.06	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	21.83	21.59	22.08	21.83	1.12	ppb
Cobalt	59-2	21.66	21.00	21.79	21.48	1.98	ppb
Copper	63-2	509.81	497.84	508.72	505.46	1.31	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				93		%
Holmium	165-2				89		%
Indium	115-1				89		%
Indium	115-2				85		%
Iron	54-2	34509.07	33566.78	34021.00	34032.28	1.38	ppb
Iron	56-2	36159.15	35425.19	35669.92	35751.42	1.05	ppb
Iron	57-2	34126.10	33366.09	33555.51	33682.57	1.17	ppb
Krypton	83-1						cps
Lead	206-1	1836.67	1858.46	1854.05	1849.73	0.62	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-21	Instrumnet Name :	P8
Client Sample ID :	MH2GY9	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:36:36	DataFile Name :	051AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1803.36	1829.77	1814.84	1815.99	0.73	ppb
Lead	208-1	1808.01	1834.56	1823.28	1821.95	0.73	ppb
Lithium	6-1				70		%
Magnesium	24-2	6652.89	6495.82	6610.64	6586.45	1.23	ppb
Manganese	55-2	6506.94	6422.01	6577.10	6502.02	1.19	ppb
Molybdenum	94-1	7.02	7.28	6.86	7.05	3.04	ppb
Molybdenum	95-1	2.77	2.64	2.79	2.73	3.01	ppb
Molybdenum	96-1	3.24	3.44	3.25	3.31	3.42	ppb
Molybdenum	97-1	2.61	2.75	2.69	2.69	2.74	ppb
Molybdenum	98-1	2.77	2.63	2.71	2.70	2.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	100.71	98.49	99.25	99.48	1.13	ppb
Phosphorus	31-2	4110.56	3901.40	4313.74	4108.57	5.02	ppb
Potassium	39-2	4284.09	4200.48	4292.14	4258.90	1.19	ppb
Rhodium	103-1				86		%
Rhodium	103-2				86		%
Scandium	45-1				83		%
Scandium	45-2				82		%
Selenium	82-1	0.88	0.75	1.65	1.09	44.22	ppb
Selenium	77-2	67.30	63.00	53.94	61.42	11.11	ppb
Selenium	78-2	5.98	8.55	12.38	8.97	35.88	ppb
Silicon	28-1	140.22	141.59	146.99	142.93	2.50	ppb
Silver	107-1	8.98	9.06	9.28	9.11	1.73	ppb
Silver	109-1	9.24	9.43	9.11	9.26	1.72	ppb
Sodium	23-2	908.48	896.16	900.54	901.73	0.69	ppb
Strontium	86-1	11234.62	11397.14	11524.06	11385.27	1.27	ppb
Strontium	88-1	11303.34	11565.42	11585.44	11484.73	1.37	ppb
Sulfur	34-1	634.14	537.58	719.64	630.45	14.45	ppb
Terbium	159-1				93		%
Terbium	159-2				89		%
Thallium	203-1	0.77	0.77	0.82	0.79	3.10	ppb
Thallium	205-1	0.82	0.82	0.81	0.82	0.84	ppb
Tin	118-1	19.24	19.86	19.36	19.49	1.68	ppb
Titanium	47-1	154.97	152.13	156.08	154.39	1.32	ppb
Uranium	238-1	3.31	3.36	3.34	3.34	0.75	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-21	Instrumnet Name :	P8
Client Sample ID :	MH2GY9	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:36:36	DataFile Name :	051AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	60.01	58.86	59.99	59.62	1.10	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				95		%
Yttrium	89-2				93		%
Zinc	66-2	4247.11	4120.31	4217.73	4195.05	1.58	ppb
Zirconium	90-1	2.57	2.59	2.57	2.58	0.43	ppb
Zirconium	91-1	2.54	2.65	2.58	2.59	2.13	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-22	Instrumnet Name :	P8
Client Sample ID :	MH2GZ0	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:39:57	DataFile Name :	052AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6812.85	6585.91	6672.27	6690.34	1.71	ppb
Antimony	121-1	1.95	2.06	1.97	1.99	2.83	ppb
Arsenic	75-2	26.68	28.58	28.91	28.06	4.28	ppb
Barium	135-1	485.73	489.41	489.01	488.05	0.41	ppb
Barium	137-1	497.52	498.00	499.23	498.25	0.18	ppb
Beryllium	9-1	1.58	1.69	1.55	1.60	4.55	ppb
Bismuth	209-1				90		%
Bismuth	209-2				88		%
Bromine	81-1						cps
Cadmium	108-1	9.84	8.71	9.93	9.49	7.15	ppb
Cadmium	106-1	9.09	9.09	8.16	8.78	6.13	ppb
Cadmium	111-1	10.77	10.60	10.52	10.63	1.20	ppb
Calcium	43-1	140673.01	144428.63	142790.55	142630.73	1.32	ppb
Calcium	44-1	137281.72	142098.92	140428.68	139936.44	1.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9.84	9.28	9.05	9.39	4.35	ppb
Cobalt	59-2	13.96	14.07	13.68	13.90	1.44	ppb
Copper	63-2	223.98	221.24	219.93	221.71	0.93	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				93		%
Holmium	165-2				90		%
Indium	115-1				89		%
Indium	115-2				86		%
Iron	54-2	14961.78	14695.62	14684.90	14780.77	1.06	ppb
Iron	56-2	15956.38	15517.27	15449.34	15640.99	1.76	ppb
Iron	57-2	14968.49	14529.62	14429.01	14642.37	1.96	ppb
Krypton	83-1						cps
Lead	206-1	689.99	703.53	708.57	700.70	1.37	ppb

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-22	Instrumnet Name :	P8
Client Sample ID :	MH2GZ0	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:39:57	DataFile Name :	052AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	659.46	680.84	681.81	674.04	1.87	ppb
Lead	208-1	672.76	693.67	695.55	687.33	1.84	ppb
Lithium	6-1				71		%
Magnesium	24-2	4797.62	4721.32	4724.34	4747.76	0.91	ppb
Manganese	55-2	2623.01	2586.29	2571.79	2593.69	1.02	ppb
Molybdenum	94-1	5.20	5.36	5.37	5.31	1.82	ppb
Molybdenum	95-1	1.80	1.64	1.69	1.71	4.65	ppb
Molybdenum	96-1	2.07	2.10	2.14	2.10	1.79	ppb
Molybdenum	97-1	1.70	1.89	1.77	1.79	5.46	ppb
Molybdenum	98-1	1.66	1.77	1.80	1.74	4.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	73.84	73.49	74.52	73.95	0.71	ppb
Phosphorus	31-2	3741.24	3292.27	3549.93	3527.81	6.39	ppb
Potassium	39-2	3163.85	3144.63	3131.22	3146.56	0.52	ppb
Rhodium	103-1				86		%
Rhodium	103-2				86		%
Scandium	45-1				83		%
Scandium	45-2				82		%
Selenium	82-1	1.67	1.79	1.01	1.49	28.29	ppb
Selenium	77-2	27.37	62.36	43.89	44.54	39.30	ppb
Selenium	78-2	7.38	5.93	7.09	6.80	11.26	ppb
Silicon	28-1	139.01	141.34	140.87	140.41	0.88	ppb
Silver	107-1	4.04	3.99	3.93	3.99	1.38	ppb
Silver	109-1	4.06	4.04	3.99	4.03	0.88	ppb
Sodium	23-2	746.79	737.71	738.80	741.10	0.67	ppb
Strontium	86-1	7874.05	7908.65	7931.61	7904.77	0.37	ppb
Strontium	88-1	7926.32	8029.80	7963.92	7973.35	0.66	ppb
Sulfur	34-1	191.16	361.16	142.58	231.63	49.55	ppb
Terbium	159-1				93		%
Terbium	159-2				89		%
Thallium	203-1	0.41	0.40	0.40	0.41	1.59	ppb
Thallium	205-1	0.41	0.40	0.42	0.41	2.21	ppb
Tin	118-1	8.05	8.19	8.17	8.13	0.95	ppb
Titanium	47-1	69.27	72.22	70.04	70.51	2.16	ppb
Uranium	238-1	2.61	2.72	2.67	2.67	1.93	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-22	Instrumnet Name :	P8
Client Sample ID :	MH2GZ0	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:39:57	DataFile Name :	052AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	49.07	48.41	47.95	48.48	1.16	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				95		%
Yttrium	89-2				93		%
Zinc	66-2	1546.08	1518.50	1522.72	1529.10	0.97	ppb
Zirconium	90-1	1.99	2.05	2.07	2.03	2.05	ppb
Zirconium	91-1	2.04	2.10	2.06	2.07	1.48	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1159-04	Instrumnet Name :	P8
Client Sample ID :	YE8D1	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:43:17	DataFile Name :	053AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	29277.04	29530.82	29478.72	29428.86	0.46	ppb
Antimony	121-1	3.17	3.24	3.20	3.21	1.10	ppb
Arsenic	75-2	69.60	74.62	75.78	73.33	4.48	ppb
Barium	135-1	84.09	84.64	84.72	84.48	0.40	ppb
Barium	137-1	83.61	86.36	85.93	85.30	1.74	ppb
Beryllium	9-1	0.52	0.55	0.55	0.54	3.02	ppb
Bismuth	209-1				90		%
Bismuth	209-2				87		%
Bromine	81-1						cps
Cadmium	108-1	1.00	1.35	1.40	1.25	17.54	ppb
Cadmium	106-1	1.17	0.01	-1.03	0.05	2132.71	ppb
Cadmium	111-1	0.78	0.71	0.62	0.70	11.21	ppb
Calcium	43-1	4926.20	4996.94	4876.30	4933.14	1.23	ppb
Calcium	44-1	4926.96	4891.80	4882.08	4900.28	0.48	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	52.13	53.85	54.60	53.53	2.36	ppb
Cobalt	59-2	40.17	40.83	42.11	41.04	2.39	ppb
Copper	63-2	133.85	134.72	136.49	135.02	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				94		%
Holmium	165-2				90		%
Indium	115-1				91		%
Indium	115-2				85		%
Iron	54-2	96429.89	95393.50	96446.03	96089.80	0.63	ppb
Iron	56-2	94349.80	95864.91	95370.68	95195.13	0.81	ppb
Iron	57-2	89105.13	90295.00	90109.09	89836.41	0.71	ppb
Krypton	83-1						cps
Lead	206-1	28.89	29.81	29.59	29.43	1.64	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1159-04	Instrumnet Name :	P8
Client Sample ID :	YE8D1	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:43:17	DataFile Name :	053AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	27.57	28.12	28.29	27.99	1.34	ppb
Lead	208-1	28.15	28.77	28.64	28.52	1.13	ppb
Lithium	6-1				72		%
Magnesium	24-2	15717.31	15886.51	15902.68	15835.50	0.65	ppb
Manganese	55-2	857.24	869.67	870.20	865.70	0.85	ppb
Molybdenum	94-1	11.28	11.07	11.27	11.20	1.06	ppb
Molybdenum	95-1	5.31	5.13	5.37	5.27	2.38	ppb
Molybdenum	96-1	6.37	5.97	6.15	6.17	3.22	ppb
Molybdenum	97-1	5.25	5.29	5.17	5.23	1.16	ppb
Molybdenum	98-1	5.13	5.04	5.12	5.10	1.05	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	135.64	137.25	137.56	136.82	0.75	ppb
Phosphorus	31-2	1756.86	1586.00	1781.24	1708.03	6.23	ppb
Potassium	39-2	1317.50	1367.68	1363.70	1349.62	2.07	ppb
Rhodium	103-1				89		%
Rhodium	103-2				88		%
Scandium	45-1				83		%
Scandium	45-2				84		%
Selenium	82-1	4.88	3.88	3.25	4.00	20.61	ppb
Selenium	77-2	23.44	9.27	9.28	14.00	58.43	ppb
Selenium	78-2	10.26	2.24	6.19	6.23	64.39	ppb
Silicon	28-1	122.03	122.02	122.37	122.14	0.16	ppb
Silver	107-1	0.51	0.46	0.45	0.47	5.92	ppb
Silver	109-1	0.48	0.49	0.44	0.47	5.04	ppb
Sodium	23-2	330.48	337.42	334.52	334.14	1.04	ppb
Strontium	86-1	1246.97	1249.67	1258.36	1251.67	0.48	ppb
Strontium	88-1	1192.53	1190.92	1213.03	1198.83	1.03	ppb
Sulfur	34-1	-209.11	-303.93	-177.25	-230.10		ppb
Terbium	159-1				94		%
Terbium	159-2				90		%
Thallium	203-1	0.19	0.17	0.18	0.18	5.54	ppb
Thallium	205-1	0.17	0.19	0.20	0.19	6.03	ppb
Tin	118-1	0.49	0.37	0.42	0.43	13.99	ppb
Titanium	47-1	26.33	22.99	21.90	23.74	9.74	ppb
Uranium	238-1	1.35	1.31	1.38	1.35	2.47	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1159-04	Instrumnet Name :	P8
Client Sample ID :	YE8D1	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:43:17	DataFile Name :	053AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	55.56	57.29	57.47	56.77	1.86	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				92		%
Yttrium	89-2				90		%
Zinc	66-2	231.37	228.36	221.75	227.16	2.17	ppb
Zirconium	90-1	3.73	3.66	3.80	3.73	1.86	ppb
Zirconium	91-1	3.80	3.89	3.63	3.77	3.44	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1159-05	Instrumnet Name :	P8
Client Sample ID :	YE8D3	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:46:43	DataFile Name :	054AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4182.07	4126.21	4094.78	4134.35	1.07	ppb
Antimony	121-1	14.60	15.33	13.15	14.36	7.74	ppb
Arsenic	75-2	345.24	345.54	343.52	344.77	0.32	ppb
Barium	135-1	57.80	61.69	52.68	57.39	7.87	ppb
Barium	137-1	59.52	63.00	53.06	58.53	8.62	ppb
Beryllium	9-1	0.61	0.59	0.53	0.58	7.39	ppb
Bismuth	209-1				94		%
Bismuth	209-2				89		%
Bromine	81-1						cps
Cadmium	108-1	1.63	1.46	1.25	1.45	12.98	ppb
Cadmium	106-1	3.68	1.30	1.34	2.11	64.55	ppb
Cadmium	111-1	0.51	0.41	0.40	0.44	14.07	ppb
Calcium	43-1	63675.13	67274.39	56938.34	62629.29	8.38	ppb
Calcium	44-1	65228.94	69174.04	58088.81	64163.93	8.76	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5.55	5.22	5.33	5.37	3.19	ppb
Cobalt	59-2	44.58	43.68	42.56	43.61	2.32	ppb
Copper	63-2	131.48	127.74	126.93	128.72	1.88	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				92		%
Indium	115-1				94		%
Indium	115-2				87		%
Iron	54-2	87727.16	85538.02	84901.77	86055.65	1.72	ppb
Iron	56-2	87748.87	84502.76	83738.07	85329.90	2.50	ppb
Iron	57-2	82460.03	80282.18	78823.80	80522.00	2.27	ppb
Krypton	83-1						cps
Lead	206-1	53.75	56.14	48.95	52.95	6.91	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1159-05	Instrumnet Name :	P8
Client Sample ID :	YE8D3	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:46:43	DataFile Name :	054AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	51.55	53.48	46.20	50.41	7.49	ppb
Lead	208-1	52.52	54.67	47.76	51.65	6.85	ppb
Lithium	6-1				73		%
Magnesium	24-2	19599.20	19062.47	18944.35	19202.01	1.82	ppb
Manganese	55-2	1181.83	1147.49	1130.81	1153.38	2.26	ppb
Molybdenum	94-1	20.20	21.46	18.45	20.04	7.53	ppb
Molybdenum	95-1	4.47	4.42	3.78	4.22	9.13	ppb
Molybdenum	96-1	6.10	6.67	5.81	6.19	7.03	ppb
Molybdenum	97-1	4.47	4.41	3.84	4.24	8.18	ppb
Molybdenum	98-1	4.20	4.42	3.84	4.15	7.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	176.70	174.09	171.08	173.96	1.62	ppb
Phosphorus	31-2	1542.48	1500.39	1524.14	1522.34	1.39	ppb
Potassium	39-2	1923.59	1863.45	1836.78	1874.61	2.37	ppb
Rhodium	103-1				91		%
Rhodium	103-2				90		%
Scandium	45-1				87		%
Scandium	45-2				85		%
Selenium	82-1	4.81	5.98	4.16	4.98	18.47	ppb
Selenium	77-2	8.95	26.79	13.34	16.36	56.81	ppb
Selenium	78-2	3.42	7.22	5.92	5.52	35.01	ppb
Silicon	28-1	83.96	86.42	72.95	81.11	8.84	ppb
Silver	107-1	2.24	2.34	1.94	2.17	9.59	ppb
Silver	109-1	2.29	2.45	2.03	2.26	9.34	ppb
Sodium	23-2	379.34	373.92	372.40	375.22	0.97	ppb
Strontium	86-1	18021.35	19120.88	16470.25	17870.83	7.45	ppb
Strontium	88-1	17970.28	19182.60	16543.36	17898.75	7.38	ppb
Sulfur	34-1	34810.49	37051.13	30321.04	34060.89	10.06	ppb
Terbium	159-1				97		%
Terbium	159-2				91		%
Thallium	203-1	0.09	0.12	0.08	0.09	20.10	ppb
Thallium	205-1	0.09	0.09	0.08	0.09	6.09	ppb
Tin	118-1	0.32	0.35	0.32	0.33	4.51	ppb
Titanium	47-1	8.56	8.71	7.34	8.20	9.16	ppb
Uranium	238-1	1.01	1.05	0.88	0.98	9.02	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1159-05	Instrumnet Name :	P8
Client Sample ID :	YE8D3	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:46:43	DataFile Name :	054AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	5.98	6.17	6.18	6.11	1.82	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				94		%
Zinc	66-2	128.41	124.25	125.74	126.13	1.67	ppb
Zirconium	90-1	8.85	9.56	8.11	8.84	8.18	ppb
Zirconium	91-1	8.98	9.68	8.05	8.90	9.14	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1159-06	Instrumnet Name :	P8
Client Sample ID :	YE8E2	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:50:04	DataFile Name :	055AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12536.47	12968.34	13099.63	12868.15	2.29	ppb
Antimony	121-1	1.48	1.42	1.54	1.48	4.18	ppb
Arsenic	75-2	9.90	11.11	9.50	10.17	8.24	ppb
Barium	135-1	46.13	46.25	46.99	46.46	1.01	ppb
Barium	137-1	45.85	47.25	47.66	46.92	2.02	ppb
Beryllium	9-1	0.31	0.35	0.30	0.32	8.17	ppb
Bismuth	209-1				93		%
Bismuth	209-2				89		%
Bromine	81-1						cps
Cadmium	108-1	0.98	0.66	0.82	0.82	19.51	ppb
Cadmium	106-1	-0.60	-0.15	0.74	0.00		ppb
Cadmium	111-1	0.04	0.13	0.19	0.12	65.16	ppb
Calcium	43-1	1922.91	1903.15	1945.20	1923.75	1.09	ppb
Calcium	44-1	1918.20	1901.02	1919.42	1912.88	0.54	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6.84	7.14	6.99	6.99	2.14	ppb
Cobalt	59-2	11.18	11.20	11.84	11.41	3.27	ppb
Copper	63-2	68.16	70.92	70.18	69.75	2.04	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				95		%
Holmium	165-2				91		%
Indium	115-1				91		%
Indium	115-2				86		%
Iron	54-2	24426.67	25051.79	25230.22	24902.89	1.69	ppb
Iron	56-2	25789.92	26508.56	26665.96	26321.48	1.77	ppb
Iron	57-2	24194.44	24813.13	25214.50	24740.69	2.08	ppb
Krypton	83-1						cps
Lead	206-1	21.56	21.55	21.93	21.68	0.99	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1159-06	Instrumnet Name :	P8
Client Sample ID :	YE8E2	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:50:04	DataFile Name :	055AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	20.58	20.36	20.53	20.49	0.56	ppb
Lead	208-1	20.93	20.78	21.12	20.94	0.80	ppb
Lithium	6-1				72		%
Magnesium	24-2	9316.05	9766.56	9715.16	9599.26	2.57	ppb
Manganese	55-2	99.65	100.52	101.86	100.68	1.11	ppb
Molybdenum	94-1	12.88	12.62	12.80	12.77	1.05	ppb
Molybdenum	95-1	4.20	4.17	4.19	4.19	0.48	ppb
Molybdenum	96-1	5.11	5.03	5.25	5.13	2.17	ppb
Molybdenum	97-1	4.10	4.16	4.43	4.23	4.14	ppb
Molybdenum	98-1	4.12	4.26	4.14	4.18	1.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	28.63	28.06	29.25	28.64	2.08	ppb
Phosphorus	31-2	513.94	652.27	553.15	573.12	12.44	ppb
Potassium	39-2	1213.00	1219.70	1252.23	1228.31	1.71	ppb
Rhodium	103-1				92		%
Rhodium	103-2				90		%
Scandium	45-1				84		%
Scandium	45-2				83		%
Selenium	82-1	1.74	1.98	1.71	1.81	8.12	ppb
Selenium	77-2	14.23	23.49	9.38	15.70	45.68	ppb
Selenium	78-2	4.99	4.94	2.27	4.07	38.33	ppb
Silicon	28-1	100.35	98.02	97.46	98.61	1.55	ppb
Silver	107-1	0.16	0.12	0.14	0.14	13.32	ppb
Silver	109-1	0.15	0.17	0.14	0.15	9.09	ppb
Sodium	23-2	329.02	358.71	356.24	347.99	4.74	ppb
Strontium	86-1	365.67	373.46	376.77	371.97	1.53	ppb
Strontium	88-1	355.15	356.21	358.93	356.76	0.55	ppb
Sulfur	34-1	1523.33	1456.15	1455.95	1478.47	2.63	ppb
Terbium	159-1				95		%
Terbium	159-2				90		%
Thallium	203-1	0.06	0.05	0.05	0.05	13.73	ppb
Thallium	205-1	0.06	0.05	0.06	0.06	6.89	ppb
Tin	118-1	0.37	0.40	0.37	0.38	5.08	ppb
Titanium	47-1	12.49	12.10	11.62	12.07	3.62	ppb
Uranium	238-1	0.66	0.65	0.68	0.67	1.80	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1159-06	Instrumnet Name :	P8
Client Sample ID :	YE8E2	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:50:04	DataFile Name :	055AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	4.82	4.53	4.76	4.70	3.23	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				91		%
Yttrium	89-2				89		%
Zinc	66-2	129.89	131.38	136.20	132.49	2.49	ppb
Zirconium	90-1	5.02	4.94	5.08	5.01	1.36	ppb
Zirconium	91-1	4.93	5.12	5.12	5.05	2.20	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-05DLX2	Instrumnet Name :	P8
Client Sample ID :	MH2GX3	Dilution Factor :	2
Date & Time Acquired :	2025-02-03 18:53:31	DataFile Name :	056AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16670.08	17071.92	17186.86	16976.29	1.60	ppb
Antimony	121-1	0.91	1.00	0.99	0.97	4.84	ppb
Arsenic	75-2	12.07	13.45	12.40	12.64	5.70	ppb
Barium	135-1	456.76	456.52	459.01	457.43	0.30	ppb
Barium	137-1	466.97	458.54	466.77	464.10	1.04	ppb
Beryllium	9-1	5.00	5.04	5.23	5.09	2.40	ppb
Bismuth	209-1				91		%
Bismuth	209-2				89		%
Bromine	81-1						cps
Cadmium	108-1	8.06	8.58	7.88	8.17	4.48	ppb
Cadmium	106-1	8.88	6.74	6.99	7.53	15.55	ppb
Cadmium	111-1	7.60	7.10	7.03	7.24	4.29	ppb
Calcium	43-1	139239.91	142023.70	144096.25	141786.62	1.72	ppb
Calcium	44-1	137311.26	139318.98	140543.94	139058.06	1.17	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	54.33	54.96	56.02	55.10	1.56	ppb
Cobalt	59-2	8.59	8.58	9.10	8.75	3.44	ppb
Copper	63-2	175.12	180.31	180.56	178.66	1.72	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				92		%
Holmium	165-2				91		%
Indium	115-1				90		%
Indium	115-2				86		%
Iron	54-2	17443.45	17775.31	17867.41	17695.39	1.26	ppb
Iron	56-2	18395.66	18581.70	18868.07	18615.14	1.28	ppb
Iron	57-2	17343.10	17502.48	17738.09	17527.89	1.13	ppb
Krypton	83-1						cps
Lead	206-1	701.81	690.81	686.92	693.18	1.11	ppb

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-05DLX2	Instrumnet Name :	P8
Client Sample ID :	MH2GX3	Dilution Factor :	2
Date & Time Acquired :	2025-02-03 18:53:31	DataFile Name :	056AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	632.33	680.58	660.57	657.82	3.68	ppb
Lead	208-1	673.56	681.41	677.81	677.59	0.58	ppb
Lithium	6-1				70		%
Magnesium	24-2	10996.99	11188.83	11199.30	11128.37	1.02	ppb
Manganese	55-2	4807.63	4934.57	4953.36	4898.52	1.62	ppb
Molybdenum	94-1	9.40	9.89	9.88	9.73	2.86	ppb
Molybdenum	95-1	1.47	1.38	1.42	1.42	3.01	ppb
Molybdenum	96-1	2.25	2.25	2.31	2.27	1.54	ppb
Molybdenum	97-1	1.41	1.33	1.41	1.38	3.11	ppb
Molybdenum	98-1	1.32	1.38	1.33	1.35	2.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	33.39	34.74	33.87	34.00	2.01	ppb
Phosphorus	31-2	1522.20	1438.13	1482.67	1481.00	2.84	ppb
Potassium	39-2	5394.66	5467.56	5539.97	5467.40	1.33	ppb
Rhodium	103-1				87		%
Rhodium	103-2				87		%
Scandium	45-1				84		%
Scandium	45-2				84		%
Selenium	82-1	2.02	1.57	0.96	1.51	35.10	ppb
Selenium	77-2	50.04	13.66	27.30	30.33	60.60	ppb
Selenium	78-2	7.36	4.78	8.65	6.93	28.49	ppb
Silicon	28-1	617.39	630.57	629.22	625.73	1.16	ppb
Silver	107-1	2.94	2.99	2.99	2.97	1.02	ppb
Silver	109-1	2.96	2.85	3.01	2.94	2.70	ppb
Sodium	23-2	1134.99	1162.65	1146.99	1148.21	1.21	ppb
Strontium	86-1	13184.68	13511.63	13438.06	13378.13	1.28	ppb
Strontium	88-1	13273.43	13408.81	13517.57	13399.94	0.91	ppb
Sulfur	34-1	1098.15	1176.43	1333.05	1202.54	9.95	ppb
Terbium	159-1				93		%
Terbium	159-2				90		%
Thallium	203-1	0.22	0.20	0.23	0.22	7.60	ppb
Thallium	205-1	0.23	0.22	0.23	0.23	3.87	ppb
Tin	118-1	8.31	8.35	8.27	8.31	0.48	ppb
Titanium	47-1	329.43	340.08	341.16	336.89	1.92	ppb
Uranium	238-1	4.54	4.40	4.43	4.46	1.70	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-05DLX2	Instrumnet Name :	P8
Client Sample ID :	MH2GX3	Dilution Factor :	2
Date & Time Acquired :	2025-02-03 18:53:31	DataFile Name :	056AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	35.28	35.12	35.71	35.37	0.86	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				93		%
Yttrium	89-2				92		%
Zinc	66-2	2056.73	2110.96	2106.56	2091.42	1.44	ppb
Zirconium	90-1	4.51	4.51	4.56	4.53	0.55	ppb
Zirconium	91-1	4.46	4.46	4.50	4.47	0.57	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCV015	Instrumnet Name :	P8
Client Sample ID :	CCV015	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:56:49	DataFile Name :	057CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46656.15	47815.13	47815.22	47428.84	1.41	ppb
Antimony	121-1	491.74	475.71	486.44	484.63	1.69	ppb
Arsenic	75-2	482.03	482.19	475.66	479.96	0.78	ppb
Barium	135-1	2493.11	2459.26	2497.78	2483.38	0.85	ppb
Barium	137-1	2451.42	2465.38	2460.61	2459.13	0.29	ppb
Beryllium	9-1	540.23	543.39	541.49	541.70	0.29	ppb
Bismuth	209-1				79		%
Bismuth	209-2				76		%
Bromine	81-1						cps
Cadmium	108-1	462.11	467.66	472.59	467.45	1.12	ppb
Cadmium	106-1	469.70	471.56	472.25	471.17	0.28	ppb
Cadmium	111-1	473.31	473.76	472.52	473.20	0.13	ppb
Calcium	43-1	243784.60	248438.31	251062.91	247761.94	1.49	ppb
Calcium	44-1	240896.76	242861.12	242584.76	242114.21	0.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	487.44	498.90	496.78	494.37	1.23	ppb
Cobalt	59-2	489.50	497.28	497.45	494.74	0.92	ppb
Copper	63-2	4937.37	4997.54	4984.14	4973.02	0.64	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				86		%
Holmium	165-2				83		%
Indium	115-1				80		%
Indium	115-2				75		%
Iron	54-2	124783.42	126861.04	126645.40	126096.62	0.91	ppb
Iron	56-2	123287.56	124872.14	125551.08	124570.26	0.93	ppb
Iron	57-2	115806.32	117957.32	117876.23	117213.29	1.04	ppb
Krypton	83-1						cps
Lead	206-1	2580.34	2523.97	2490.52	2531.61	1.79	ppb

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCV015	Instrumnet Name :	P8
Client Sample ID :	CCV015	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:56:49	DataFile Name :	057CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2563.80	2544.09	2530.01	2545.97	0.67	ppb
Lead	208-1	2563.57	2519.49	2500.46	2527.84	1.28	ppb
Lithium	6-1				61		%
Magnesium	24-2	234836.01	240838.58	240273.12	238649.23	1.39	ppb
Manganese	55-2	4607.17	4715.12	4719.64	4680.64	1.36	ppb
Molybdenum	94-1	5091.12	5108.82	5002.06	5067.33	1.13	ppb
Molybdenum	95-1	5142.35	5088.49	5057.71	5096.18	0.84	ppb
Molybdenum	96-1	5064.76	5089.56	5027.84	5060.72	0.61	ppb
Molybdenum	97-1	5207.77	5090.08	5147.97	5148.61	1.14	ppb
Molybdenum	98-1	5123.50	5125.16	5020.12	5089.59	1.18	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	476.63	480.65	483.78	480.35	0.75	ppb
Phosphorus	31-2	9689.93	9985.41	9577.13	9750.82	2.16	ppb
Potassium	39-2	118054.39	121826.57	118657.90	119512.95	1.70	ppb
Rhodium	103-1				77		%
Rhodium	103-2				74		%
Scandium	45-1				76		%
Scandium	45-2				74		%
Selenium	82-1	487.12	498.87	484.39	490.13	1.57	ppb
Selenium	77-2	472.30	561.29	490.72	508.10	9.24	ppb
Selenium	78-2	424.94	546.57	478.67	483.39	12.61	ppb
Silicon	28-1	499.59	503.13	504.33	502.35	0.49	ppb
Silver	107-1	479.97	486.52	485.37	483.95	0.72	ppb
Silver	109-1	491.32	479.05	489.30	486.56	1.35	ppb
Sodium	23-2	235844.63	241893.98	240877.01	239538.54	1.35	ppb
Strontium	86-1	12613.07	12650.51	12454.69	12572.76	0.83	ppb
Strontium	88-1	12696.59	12459.24	12424.51	12526.78	1.18	ppb
Sulfur	34-1	9765.19	9801.68	9639.93	9735.60	0.87	ppb
Terbium	159-1				86		%
Terbium	159-2				82		%
Thallium	203-1	483.19	475.64	471.70	476.84	1.22	ppb
Thallium	205-1	519.57	508.05	503.83	510.48	1.60	ppb
Tin	118-1	460.24	461.11	464.18	461.84	0.45	ppb
Titanium	47-1	5163.18	5082.07	5093.11	5112.79	0.86	ppb
Uranium	238-1	529.58	520.66	524.09	524.78	0.86	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCV015	Instrumnet Name :	P8
Client Sample ID :	CCV015	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:56:49	DataFile Name :	057CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	489.10	496.97	500.93	495.67	1.22	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				81		%
Yttrium	89-2				78		%
Zinc	66-2	4754.05	4852.46	4823.36	4809.96	1.05	ppb
Zirconium	90-1	515.86	508.49	507.61	510.65	0.89	ppb
Zirconium	91-1	489.12	490.66	487.00	488.93	0.38	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCB015	Instrumnet Name :	P8
Client Sample ID :	CCB015	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:59:54	DataFile Name :	058CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.76	2.74	0.98	1.49	72.77	ppb
Antimony	121-1	0.14	0.12	0.12	0.13	10.85	ppb
Arsenic	75-2	0.00	0.00	0.00	0.00	N/A	ppb
Barium	135-1	0.38	0.29	0.16	0.28	40.50	ppb
Barium	137-1	0.35	0.26	0.24	0.28	20.51	ppb
Beryllium	9-1	0.23	0.19	0.21	0.21	9.67	ppb
Bismuth	209-1				86		%
Bismuth	209-2				86		%
Bromine	81-1						cps
Cadmium	108-1	-0.10	-0.10	-0.21	-0.14		ppb
Cadmium	106-1	-1.16	-1.12	-1.99	-1.43		ppb
Cadmium	111-1	-0.04	-0.08	-0.12	-0.08		ppb
Calcium	43-1	19.52	3.72	7.12	10.12	82.16	ppb
Calcium	44-1	15.63	4.44	6.71	8.93	66.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	-0.12	-0.09	-0.07		ppb
Cobalt	59-2	-0.01	0.01	0.04	0.01	183.76	ppb
Copper	63-2	0.43	0.35	0.34	0.37	13.07	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				86		%
Holmium	165-2				85		%
Indium	115-1				84		%
Indium	115-2				82		%
Iron	54-2	7.06	4.10	7.85	6.34	31.19	ppb
Iron	56-2	7.08	4.86	5.20	5.72	20.88	ppb
Iron	57-2	10.51	4.73	3.51	6.25	59.80	ppb
Krypton	83-1						cps
Lead	206-1	0.25	0.12	0.11	0.16	51.50	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCB015	Instrumnet Name :	P8
Client Sample ID :	CCB015	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:59:54	DataFile Name :	058CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.25	0.17	0.19	0.20	22.08	ppb
Lead	208-1	0.24	0.16	0.16	0.18	25.04	ppb
Lithium	6-1				63		%
Magnesium	24-2	9.99	9.04	10.38	9.80	7.02	ppb
Manganese	55-2	0.16	0.15	0.04	0.12	59.44	ppb
Molybdenum	94-1	0.41	0.26	0.16	0.28	46.79	ppb
Molybdenum	95-1	0.32	0.18	0.22	0.24	28.56	ppb
Molybdenum	96-1	0.30	0.23	0.18	0.23	26.30	ppb
Molybdenum	97-1	0.32	0.15	0.17	0.21	42.39	ppb
Molybdenum	98-1	0.37	0.23	0.15	0.25	43.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.41	0.33	0.10	0.28	58.17	ppb
Phosphorus	31-2	-30.00	-47.36	-47.36	-41.58		ppb
Potassium	39-2	73.54	39.59	50.09	54.41	31.94	ppb
Rhodium	103-1				84		%
Rhodium	103-2				84		%
Scandium	45-1				76		%
Scandium	45-2				75		%
Selenium	82-1	0.31	-0.15	-0.37	-0.07		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.40	-0.40	-0.40	-0.40		ppb
Silicon	28-1	0.17	0.02	0.11	0.10	72.45	ppb
Silver	107-1	0.08	0.06	0.06	0.07	21.61	ppb
Silver	109-1	0.08	0.06	0.06	0.07	22.38	ppb
Sodium	23-2	192.69	145.86	148.73	162.43	16.16	ppb
Strontium	86-1	0.75	-0.34	-0.45	-0.01		ppb
Strontium	88-1	0.55	0.03	0.17	0.25	105.88	ppb
Sulfur	34-1	-278.78	-498.40	-300.51	-359.23		ppb
Terbium	159-1				86		%
Terbium	159-2				84		%
Thallium	203-1	0.07	0.05	0.06	0.06	22.65	ppb
Thallium	205-1	0.08	0.05	0.05	0.06	25.02	ppb
Tin	118-1	0.05	0.04	0.05	0.05	16.10	ppb
Titanium	47-1	0.23	0.14	0.07	0.15	56.82	ppb
Uranium	238-1	0.02	0.01	0.01	0.02	50.85	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCB015	Instrumnet Name :	P8
Client Sample ID :	CCB015	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:59:54	DataFile Name :	058CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.02	0.03	0.02	0.03	34.21	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				82		%
Yttrium	89-2				80		%
Zinc	66-2	0.29	0.64	0.70	0.54	40.57	ppb
Zirconium	90-1	0.03	0.02	0.02	0.02	31.11	ppb
Zirconium	91-1	0.03	0.02	0.00	0.01	129.69	ppb

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:40:45	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10	0	7	6	91.64	cps
Antimony	121-1	37	33	43	38	13.48	cps
Arsenic	75-2	0	0	0	0	0.00	cps
Barium	135-1	50	43	53	49	10.42	cps
Barium	137-1	60	67	63	63	5.27	cps
Beryllium	9-1	145	109	116	123	15.51	cps
Bismuth	209-1	2911277	2946194	2899365	2918945	0.83	cps
Bismuth	209-2	1083491	1082010	1091940	1085814	0.49	cps
Bromine	81-1	1943	1837	1890	1890	2.82	cps
Cadmium	108-1	20	13	10	14	35.26	cps
Cadmium	106-1	1453	1343	1340	1379	4.68	cps
Cadmium	111-1	1017	954	948	973	3.91	cps
Calcium	43-1	167	170	217	184	15.16	cps
Calcium	44-1	1907	2104	2030	2013	4.94	cps
Carbon	12-1	785029	781585	778259	781624	0.43	cps
Carbon	12-2	4671	4547	4461	4560	2.32	cps
Chlorine	35-1	144775	145974	144237	144995	0.61	cps
Chlorine	35-2	507	557	490	518	6.70	cps
Chromium	52-2	133	227	157	172	28.20	cps
Cobalt	59-2	73	60	57	63	13.92	cps
Copper	63-2	633	767	807	736	12.34	cps
Dysprosium	156-1	227	123	183	178	29.19	cps
Dysprosium	156-2	7	7	3	6	34.70	cps
Erbium	164-1	30	33	23	29	17.63	cps
Erbium	164-2	0	0	7	2	173.21	cps
Gadolinium	160-1	13	10	23	16	44.60	cps
Gadolinium	160-2	3	0	7	3	100.05	cps
Holmium	165-1	4468726	4443454	4529113	4480431	0.98	cps
Holmium	165-2	1472372	1472383	1468485	1471080	0.15	cps
Indium	115-1	3467957	3482320	3447593	3465957	0.50	cps
Indium	115-2	317189	317290	319409	317963	0.39	cps
Iron	54-2	217	200	187	201	7.47	cps
Iron	56-2	3387	3277	3480	3382	3.01	cps
Iron	57-2	67	60	90	72	21.81	cps
Krypton	83-1	93	63	67	74	22.09	cps
Lead	206-1	397	390	383	390	1.71	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:40:45	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	283	350	300	311	11.15	cps
Lead	208-1	1477	1540	1610	1542	4.32	cps
Lithium	6-1	1428090	1438784	1461769	1442881	1.19	cps
Magnesium	24-2	500	540	483	508	5.74	cps
Manganese	55-2	323	347	343	338	3.74	cps
Molybdenum	94-1	90	107	80	92	14.61	cps
Molybdenum	95-1	63	70	33	56	35.16	cps
Molybdenum	96-1	87	113	107	102	13.57	cps
Molybdenum	97-1	47	43	37	42	12.06	cps
Molybdenum	98-1	83	83	73	80	7.22	cps
Neodymium	150-1	3	7	7	6	34.70	cps
Neodymium	150-2	0	0	10	3	173.21	cps
Nickel	60-2	267	260	223	250	9.33	cps
Phosphorus	31-2	13	20	0	11	91.66	cps
Potassium	39-2	3307	3480	3227	3338	3.88	cps
Rhodium	103-1	3207792	3173659	3211893	3197781	0.66	cps
Rhodium	103-2	1122792	1120539	1112937	1118756	0.46	cps
Scandium	45-1	2216432	2205302	2202257	2207997	0.34	cps
Scandium	45-2	35744	34839	34856	35146	1.47	cps
Selenium	82-1	-43	17	-10	-12	-246.00	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	3	0	1	173.21	cps
Silicon	28-1	118582	118514	119432	118843	0.43	cps
Silver	107-1	33	33	27	31	12.36	cps
Silver	109-1	30	7	17	18	65.83	cps
Sodium	23-2	10938	11098	11551	11195	2.84	cps
Strontium	86-1	140	130	140	137	4.22	cps
Strontium	88-1	377	363	293	344	13.00	cps
Sulfur	34-1	110299	108892	109339	109510	0.66	cps
Terbium	159-1	4584849	4528819	4523488	4545719	0.75	cps
Terbium	159-2	1416943	1415673	1417435	1416684	0.06	cps
Thallium	203-1	123	140	167	143	15.25	cps
Thallium	205-1	313	343	323	327	4.68	cps
Tin	118-1	393	343	417	384	9.75	cps
Titanium	47-1	40	67	30	46	41.61	cps
Uranium	238-1	30	7	13	17	72.11	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:40:45	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	0	10	0	3	173.21	cps
Ytterbium	172-1	20	23	37	27	33.08	cps
Ytterbium	172-2	13	3	7	8	65.47	cps
Ytterbium	176-1	493	477	497	489	2.19	cps
Ytterbium	176-2	43	103	53	67	48.22	cps
Yttrium	89-1	5814004	5987207	6046104	5949105	2.03	cps
Yttrium	89-2	374353	369632	372770	372251	0.65	cps
Zinc	66-2	67	57	33	52	32.76	cps
Zirconium	90-1	220	177	167	188	15.10	cps
Zirconium	91-1	57	40	60	52	20.52	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:44:12	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	247	283	273	268	7.08	cps
Antimony	121-1	7606	8036	7919	7853	2.83	cps
Arsenic	75-2	53	63	63	60	9.62	cps
Barium	135-1	9483	10164	9674	9774	3.59	cps
Barium	137-1	17625	17114	16821	17187	2.37	cps
Beryllium	9-1	1177	1209	1260	1215	3.43	cps
Bismuth	209-1	2867918	2953367	2944474	2921919	1.61	cps
Bismuth	209-2	1044164	1084151	1155901	1094738	5.17	cps
Bromine	81-1	2004	1860	2007	1957	4.28	cps
Cadmium	108-1	120	67	73	87	33.53	cps
Cadmium	106-1	1363	1580	1480	1475	7.35	cps
Cadmium	111-1	1744	1973	2068	1928	8.65	cps
Calcium	43-1	6522	6562	6268	6450	2.47	cps
Calcium	44-1	99947	103153	102240	101780	1.62	cps
Carbon	12-1	831243	828990	823938	828057	0.45	cps
Carbon	12-2	4821	4751	4874	4815	1.29	cps
Chlorine	35-1	141358	141631	141745	141578	0.14	cps
Chlorine	35-2	563	550	597	570	4.22	cps
Chromium	52-2	1530	1540	1387	1486	5.77	cps
Cobalt	59-2	1343	1333	1270	1316	3.02	cps
Copper	63-2	2754	2767	2634	2718	2.70	cps
Dysprosium	156-1	133	147	137	139	4.99	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	30	20	20	23	24.74	cps
Erbium	164-2	0	7	10	6	91.64	cps
Gadolinium	160-1	20	0	3	8	137.80	cps
Gadolinium	160-2	3	3	3	3	0.00	cps
Holmium	165-1	4473170	4477082	4523677	4491310	0.63	cps
Holmium	165-2	1415490	1467351	1625002	1502614	7.26	cps
Indium	115-1	3430456	3511454	3439239	3460383	1.28	cps
Indium	115-2	302287	314737	335494	317506	5.28	cps
Iron	54-2	1630	1600	1567	1599	1.98	cps
Iron	56-2	28692	28495	28271	28486	0.74	cps
Iron	57-2	760	720	737	739	2.72	cps
Krypton	83-1	90	57	37	61	44.08	cps
Lead	206-1	3631	3547	3517	3565	1.65	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:44:12	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3127	2930	2964	3007	3.50	cps
Lead	208-1	14156	13893	13866	13972	1.15	cps
Lithium	6-1	1418585	1443041	1429488	1430371	0.86	cps
Magnesium	24-2	22371	23202	22123	22565	2.50	cps
Manganese	55-2	560	497	593	550	8.93	cps
Molybdenum	94-1	7619	7662	8036	7772	2.95	cps
Molybdenum	95-1	9450	9700	9623	9591	1.34	cps
Molybdenum	96-1	10701	10507	10627	10612	0.92	cps
Molybdenum	97-1	6248	5871	5745	5955	4.40	cps
Molybdenum	98-1	15295	15812	15345	15484	1.84	cps
Neodymium	150-1	3	3	3	3	0.00	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	593	610	587	597	2.01	cps
Phosphorus	31-2	37	53	33	41	26.06	cps
Potassium	39-2	15692	15609	15805	15702	0.63	cps
Rhodium	103-1	3179690	3180976	3211528	3190731	0.56	cps
Rhodium	103-2	1083934	1115792	1193775	1131167	5.00	cps
Scandium	45-1	2162538	2198116	2228488	2196381	1.50	cps
Scandium	45-2	33633	34445	35945	34674	3.38	cps
Selenium	82-1	270	277	360	302	16.59	cps
Selenium	77-2	3	0	17	7	132.33	cps
Selenium	78-2	17	13	13	14	13.35	cps
Silicon	28-1	134411	133004	133570	133662	0.53	cps
Silver	107-1	4638	4577	4551	4589	0.97	cps
Silver	109-1	4321	4454	4611	4462	3.25	cps
Sodium	23-2	51413	53397	52253	52355	1.90	cps
Strontium	86-1	1403	1493	1330	1409	5.81	cps
Strontium	88-1	11872	11308	11388	11523	2.65	cps
Sulfur	34-1	108187	108489	106954	107877	0.75	cps
Terbium	159-1	4526172	4581458	4553987	4553872	0.61	cps
Terbium	159-2	1368288	1410147	1564693	1447709	7.15	cps
Thallium	203-1	3901	4204	3971	4025	3.95	cps
Thallium	205-1	9790	9974	9440	9735	2.79	cps
Tin	118-1	16303	16403	16093	16266	0.97	cps
Titanium	47-1	2864	2654	2720	2746	3.91	cps
Uranium	238-1	12223	12496	12703	12474	1.93	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:44:12	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2474	2734	2654	2620	5.08	cps
Ytterbium	172-1	7	10	23	13	66.12	cps
Ytterbium	172-2	13	13	7	11	34.61	cps
Ytterbium	176-1	427	427	493	449	8.57	cps
Ytterbium	176-2	73	87	110	90	20.62	cps
Yttrium	89-1	5811981	5985777	5887867	5895208	1.48	cps
Yttrium	89-2	357577	366868	393581	372676	5.02	cps
Zinc	66-2	600	593	587	593	1.12	cps
Zirconium	90-1	6565	6428	6818	6604	3.00	cps
Zirconium	91-1	1520	1573	1390	1495	6.31	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:47:42	DataFile Name :	006CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11932	11875	11948	11918	0.32	cps
Antimony	121-1	187973	191044	189024	189347	0.82	cps
Arsenic	75-2	3144	3150	3297	3197	2.71	cps
Barium	135-1	223134	230465	227528	227042	1.62	cps
Barium	137-1	389235	398935	395869	394680	1.26	cps
Beryllium	9-1	50928	52171	52102	51734	1.35	cps
Bismuth	209-1	2911033	3006782	3080211	2999342	2.83	cps
Bismuth	209-2	895911	1017881	1064620	992804	8.77	cps
Bromine	81-1	2077	1837	2060	1991	6.73	cps
Cadmium	108-1	3591	3477	3614	3561	2.05	cps
Cadmium	106-1	6528	6372	6535	6478	1.43	cps
Cadmium	111-1	46936	47735	46460	47044	1.37	cps
Calcium	43-1	55747	56835	57046	56543	1.23	cps
Calcium	44-1	914709	925501	927156	922455	0.73	cps
Carbon	12-1	812467	814971	813140	813526	0.16	cps
Carbon	12-2	4571	4361	4637	4523	3.19	cps
Chlorine	35-1	136618	137095	138821	137511	0.84	cps
Chlorine	35-2	530	493	517	513	3.62	cps
Chromium	52-2	32113	32260	31341	31904	1.55	cps
Cobalt	59-2	62510	61914	62285	62236	0.48	cps
Copper	63-2	479598	476704	474194	476832	0.57	cps
Dysprosium	156-1	113	167	120	133	21.79	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	20	23	37	27	33.08	cps
Erbium	164-2	3	10	13	9	57.30	cps
Gadolinium	160-1	10	13	23	16	44.60	cps
Gadolinium	160-2	7	7	3	6	34.70	cps
Holmium	165-1	4525238	4594735	4685262	4601745	1.74	cps
Holmium	165-2	1224872	1388515	1466316	1359901	9.06	cps
Indium	115-1	3497878	3548442	3635828	3560716	1.96	cps
Indium	115-2	259997	297664	309944	289201	9.00	cps
Iron	54-2	65225	64933	65107	65088	0.23	cps
Iron	56-2	1188526	1189092	1175128	1184249	0.67	cps
Iron	57-2	29507	29885	29140	29511	1.26	cps
Krypton	83-1	37	57	60	51	24.69	cps
Lead	206-1	739392	748315	752039	746582	0.87	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:47:42	DataFile Name :	006CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	643087	653259	655624	650657	1.02	cps
Lead	208-1	2948372	2998233	2995497	2980701	0.94	cps
Lithium	6-1	1429456	1444814	1485787	1453352	2.00	cps
Magnesium	24-2	205388	201603	205666	204219	1.11	cps
Manganese	55-2	133453	134661	133584	133899	0.50	cps
Molybdenum	94-1	612499	622938	623955	619797	1.02	cps
Molybdenum	95-1	872040	901050	896409	889833	1.75	cps
Molybdenum	96-1	953729	974413	973637	967259	1.21	cps
Molybdenum	97-1	542796	558679	553941	551805	1.48	cps
Molybdenum	98-1	1500501	1500145	1520029	1506891	0.76	cps
Neodymium	150-1	30	40	23	31	26.97	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	17160	17484	17377	17341	0.95	cps
Phosphorus	31-2	497	570	507	524	7.58	cps
Potassium	39-2	63743	61839	62424	62668	1.56	cps
Rhodium	103-1	3184921	3216551	3331826	3244433	2.38	cps
Rhodium	103-2	913580	1047065	1098406	1019684	9.36	cps
Scandium	45-1	2177443	2224263	2328345	2243350	3.44	cps
Scandium	45-2	28108	32868	33723	31566	9.58	cps
Selenium	82-1	2670	2770	3100	2847	7.91	cps
Selenium	77-2	57	40	57	51	18.83	cps
Selenium	78-2	120	160	157	146	15.25	cps
Silicon	28-1	2143671	2160442	2148498	2150871	0.40	cps
Silver	107-1	217152	222979	220937	220356	1.34	cps
Silver	109-1	209731	215214	212002	212316	1.30	cps
Sodium	23-2	409581	404820	407267	407223	0.58	cps
Strontium	86-1	61263	63369	62981	62538	1.79	cps
Strontium	88-1	526835	538671	535854	533787	1.16	cps
Sulfur	34-1	124082	124919	124072	124358	0.39	cps
Terbium	159-1	4571793	4652936	4838141	4687623	2.91	cps
Terbium	159-2	1174299	1340062	1398465	1304275	8.92	cps
Thallium	203-1	190841	193056	191530	191809	0.59	cps
Thallium	205-1	449779	461162	457234	456058	1.27	cps
Tin	118-1	149626	153391	152694	151904	1.32	cps
Titanium	47-1	245607	248735	247526	247289	0.64	cps
Uranium	238-1	581523	587712	586280	585172	0.55	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:47:42	DataFile Name :	006CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	25049	24939	25122	25036	0.37	cps
Ytterbium	172-1	17	30	37	28	36.66	cps
Ytterbium	172-2	7	23	17	16	53.90	cps
Ytterbium	176-1	1153	1283	1343	1260	7.71	cps
Ytterbium	176-2	350	350	347	349	0.55	cps
Yttrium	89-1	5906337	6015167	6240097	6053867	2.81	cps
Yttrium	89-2	305214	348738	366133	340028	9.23	cps
Zinc	66-2	52296	52045	51620	51987	0.66	cps
Zirconium	90-1	308418	311804	312607	310943	0.72	cps
Zirconium	91-1	68393	68443	69619	68819	1.01	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:51:07	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	29253	29487	29487	29409	0.46	cps
Antimony	121-1	473323	481154	480000	478159	0.88	cps
Arsenic	75-2	7776	7822	7846	7814	0.46	cps
Barium	135-1	562699	579853	578740	573764	1.67	cps
Barium	137-1	977561	1013597	1000467	997208	1.83	cps
Beryllium	9-1	127616	129315	129564	128832	0.82	cps
Bismuth	209-1	3172423	2795368	2939861	2969217	6.41	cps
Bismuth	209-2	1080539	1059184	1021325	1053683	2.85	cps
Bromine	81-1	2020	2010	1883	1971	3.87	cps
Cadmium	108-1	9003	9090	9103	9065	0.60	cps
Cadmium	106-1	13704	14011	14021	13912	1.30	cps
Cadmium	111-1	115607	118722	118326	117552	1.44	cps
Calcium	43-1	140195	143981	143608	142595	1.46	cps
Calcium	44-1	2327070	2429819	2439973	2398954	2.60	cps
Carbon	12-1	832678	731087	731416	765061	7.65	cps
Carbon	12-2	4968	5184	5078	5076	2.13	cps
Chlorine	35-1	134801	134296	136173	135090	0.72	cps
Chlorine	35-2	490	497	567	518	8.20	cps
Chromium	52-2	78487	79486	78872	78948	0.64	cps
Cobalt	59-2	154851	154457	155589	154966	0.37	cps
Copper	63-2	1174569	1174786	1181614	1176990	0.34	cps
Dysprosium	156-1	147	153	183	161	12.12	cps
Dysprosium	156-2	7	7	3	6	34.70	cps
Erbium	164-1	40	33	47	40	16.68	cps
Erbium	164-2	7	17	10	11	45.82	cps
Gadolinium	160-1	13	17	17	16	12.40	cps
Gadolinium	160-2	7	13	7	9	43.25	cps
Holmium	165-1	4945326	4359962	4600227	4635171	6.35	cps
Holmium	165-2	1487985	1460068	1421127	1456394	2.31	cps
Indium	115-1	3779162	3289302	3561912	3543459	6.93	cps
Indium	115-2	315053	307927	299983	307654	2.45	cps
Iron	54-2	161235	159283	160877	160465	0.65	cps
Iron	56-2	3062573	3081071	3072149	3071931	0.30	cps
Iron	57-2	73622	73381	73759	73587	0.26	cps
Krypton	83-1	47	87	43	59	40.95	cps
Lead	206-1	1984611	2019561	1998839	2001004	0.88	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:51:07	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1695991	1759052	1727779	1727607	1.83	cps
Lead	208-1	7933802	8016561	7943297	7964554	0.57	cps
Lithium	6-1	1531276	1355243	1437480	1441333	6.11	cps
Magnesium	24-2	505652	507245	505583	506160	0.19	cps
Manganese	55-2	332635	331543	331813	331997	0.17	cps
Molybdenum	94-1	1582882	1624234	1625096	1610738	1.50	cps
Molybdenum	95-1	2378667	2436985	2410762	2408805	1.21	cps
Molybdenum	96-1	2564129	2612408	2622952	2599830	1.21	cps
Molybdenum	97-1	1386177	1446985	1493672	1442278	3.74	cps
Molybdenum	98-1	3761723	3902037	3856910	3840223	1.87	cps
Neodymium	150-1	47	47	53	49	7.86	cps
Neodymium	150-2	3	0	3	2	86.60	cps
Nickel	60-2	42433	42433	42951	42606	0.70	cps
Phosphorus	31-2	1397	1517	1397	1437	4.82	cps
Potassium	39-2	150293	150976	150785	150685	0.23	cps
Rhodium	103-1	3450177	3038398	3213927	3234167	6.39	cps
Rhodium	103-2	1104586	1091770	1055358	1083905	2.36	cps
Scandium	45-1	2374238	2096435	2251238	2240637	6.21	cps
Scandium	45-2	34886	33997	33586	34156	1.94	cps
Selenium	82-1	7072	6638	7072	6927	3.61	cps
Selenium	77-2	120	87	87	98	19.68	cps
Selenium	78-2	357	407	290	351	16.67	cps
Silicon	28-1	5182551	5273585	5260231	5238789	0.94	cps
Silver	107-1	545443	561508	562991	556647	1.75	cps
Silver	109-1	528036	534153	534475	532221	0.68	cps
Sodium	23-2	1003410	995924	994059	997798	0.50	cps
Strontium	86-1	154408	155220	157141	155590	0.90	cps
Strontium	88-1	1324316	1353350	1357442	1345036	1.34	cps
Sulfur	34-1	148380	150869	150711	149987	0.93	cps
Terbium	159-1	5013410	4351357	4693263	4686010	7.07	cps
Terbium	159-2	1409583	1399712	1355247	1388181	2.09	cps
Thallium	203-1	474985	482726	480494	479402	0.83	cps
Thallium	205-1	1129451	1159632	1148801	1145961	1.33	cps
Tin	118-1	377418	382018	382086	380507	0.70	cps
Titanium	47-1	617677	631091	628104	625624	1.13	cps
Uranium	238-1	1458407	1490526	1485236	1478056	1.17	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:51:07	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	61849	61555	62355	61920	0.65	cps
Ytterbium	172-1	13	20	40	24	56.78	cps
Ytterbium	172-2	17	17	13	16	12.40	cps
Ytterbium	176-1	2684	2617	2544	2615	2.68	cps
Ytterbium	176-2	773	803	793	790	1.93	cps
Yttrium	89-1	6444698	5626343	6036302	6035781	6.78	cps
Yttrium	89-2	371236	367392	355789	364806	2.20	cps
Zinc	66-2	129269	129838	129339	129482	0.24	cps
Zirconium	90-1	773415	792270	789357	785014	1.29	cps
Zirconium	91-1	171838	175597	176096	174511	1.33	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:54:26	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	59457	58115	59799	59124	1.51	cps
Antimony	121-1	946402	957397	954365	952721	0.60	cps
Arsenic	75-2	16229	16156	15899	16095	1.08	cps
Barium	135-1	1134757	1154458	1144761	1144659	0.86	cps
Barium	137-1	2075120	2110931	2058334	2081462	1.29	cps
Beryllium	9-1	251132	253238	252847	252405	0.44	cps
Bismuth	209-1	2828770	2810398	2822125	2820431	0.33	cps
Bismuth	209-2	1062965	1058405	1054142	1058504	0.42	cps
Bromine	81-1	2047	2004	1963	2005	2.08	cps
Cadmium	108-1	17364	17735	17605	17568	1.07	cps
Cadmium	106-1	25393	26806	26131	26110	2.71	cps
Cadmium	111-1	228256	232857	232696	231270	1.13	cps
Calcium	43-1	280427	284582	284766	283258	0.87	cps
Calcium	44-1	4685678	4753321	4815745	4751581	1.37	cps
Carbon	12-1	751182	755246	760363	755597	0.61	cps
Carbon	12-2	5258	5284	5318	5287	0.57	cps
Chlorine	35-1	132913	133011	133189	133038	0.11	cps
Chlorine	35-2	570	480	520	523	8.62	cps
Chromium	52-2	157253	154847	155773	155958	0.78	cps
Cobalt	59-2	306302	305856	304449	305536	0.32	cps
Copper	63-2	2454108	2467505	2439287	2453633	0.58	cps
Dysprosium	156-1	157	160	117	144	16.69	cps
Dysprosium	156-2	17	23	13	18	28.64	cps
Erbium	164-1	40	17	43	33	43.58	cps
Erbium	164-2	10	3	13	9	57.30	cps
Gadolinium	160-1	33	17	27	26	32.81	cps
Gadolinium	160-2	17	17	0	11	86.60	cps
Holmium	165-1	4489369	4442591	4451737	4461232	0.56	cps
Holmium	165-2	1492746	1474213	1450747	1472569	1.43	cps
Indium	115-1	3346815	3397193	3402774	3382261	0.91	cps
Indium	115-2	310701	307560	305339	307867	0.88	cps
Iron	54-2	318113	318242	314349	316901	0.70	cps
Iron	56-2	6052257	6090829	6069288	6070791	0.32	cps
Iron	57-2	145402	146456	145692	145850	0.37	cps
Krypton	83-1	60	53	83	66	24.03	cps
Lead	206-1	4000886	4042337	3983850	4009024	0.75	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:54:26	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3474259	3489957	3418550	3460922	1.08	cps
Lead	208-1	15780121	15841346	15739113	15786860	0.33	cps
Lithium	6-1	1393565	1350298	1375317	1373060	1.58	cps
Magnesium	24-2	997678	993337	1000660	997225	0.37	cps
Manganese	55-2	658291	653556	656606	656151	0.37	cps
Molybdenum	94-1	3283983	3299027	3353376	3312129	1.10	cps
Molybdenum	95-1	4667575	4691230	4785716	4714840	1.33	cps
Molybdenum	96-1	5064697	5175928	5157850	5132825	1.16	cps
Molybdenum	97-1	2896218	2950304	2904750	2917091	1.00	cps
Molybdenum	98-1	7502795	7715815	7635060	7617890	1.41	cps
Neodymium	150-1	90	150	127	122	24.75	cps
Neodymium	150-2	3	7	7	6	34.70	cps
Nickel	60-2	83097	84308	84867	84091	1.08	cps
Phosphorus	31-2	2640	2644	2884	2723	5.13	cps
Potassium	39-2	294160	292799	294044	293668	0.26	cps
Rhodium	103-1	3107845	3084227	3080056	3090709	0.48	cps
Rhodium	103-2	1095686	1075783	1074916	1082129	1.09	cps
Scandium	45-1	2144363	2106750	2169949	2140354	1.49	cps
Scandium	45-2	34906	34685	34157	34583	1.11	cps
Selenium	82-1	13537	13653	14134	13775	2.30	cps
Selenium	77-2	147	180	187	171	12.52	cps
Selenium	78-2	713	650	637	667	6.14	cps
Silicon	28-1	10132063	10125422	10175258	10144247	0.27	cps
Silver	107-1	1080915	1105958	1104631	1097168	1.28	cps
Silver	109-1	1036324	1057779	1058422	1050841	1.20	cps
Sodium	23-2	2101857	2091766	2102364	2098662	0.28	cps
Strontium	86-1	306386	312515	311333	310078	1.05	cps
Strontium	88-1	2842288	2834929	2878284	2851834	0.81	cps
Sulfur	34-1	187766	189924	191991	189893	1.11	cps
Terbium	159-1	4545592	4494622	4535764	4525326	0.60	cps
Terbium	159-2	1429296	1411540	1397481	1412772	1.13	cps
Thallium	203-1	946163	954738	961015	953972	0.78	cps
Thallium	205-1	2403165	2417860	2427581	2416202	0.51	cps
Tin	118-1	750072	762482	764757	759103	1.04	cps
Titanium	47-1	1264893	1297834	1312650	1291792	1.89	cps
Uranium	238-1	3178395	3184378	3187190	3183321	0.14	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:54:26	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	124095	123780	123090	123655	0.42	cps
Ytterbium	172-1	73	47	30	50	43.71	cps
Ytterbium	172-2	17	10	27	18	47.19	cps
Ytterbium	176-1	4714	4774	4771	4753	0.71	cps
Ytterbium	176-2	1510	1567	1600	1559	2.92	cps
Yttrium	89-1	5857901	5793215	5886486	5845867	0.82	cps
Yttrium	89-2	373632	368438	365791	369287	1.08	cps
Zinc	66-2	255448	254420	251218	253695	0.87	cps
Zirconium	90-1	1661189	1667041	1648826	1659019	0.56	cps
Zirconium	91-1	345464	349438	350945	348616	0.81	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:57:36	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	118091	116484	117123	117233	0.69	cps
Antimony	121-1	1974605	1984261	1968105	1975657	0.41	cps
Arsenic	75-2	32177	32294	32294	32255	0.21	cps
Barium	135-1	2344227	2425310	2411560	2393699	1.81	cps
Barium	137-1	4096425	4100440	4098308	4098391	0.05	cps
Beryllium	9-1	486369	489549	494234	490051	0.81	cps
Bismuth	209-1	2806958	2799316	2785772	2797348	0.38	cps
Bismuth	209-2	991409	996964	1017755	1002043	1.39	cps
Bromine	81-1	2027	1980	1967	1991	1.58	cps
Cadmium	108-1	34115	35021	34637	34591	1.31	cps
Cadmium	106-1	48890	50207	50676	49924	1.86	cps
Cadmium	111-1	443386	453612	448690	448563	1.14	cps
Calcium	43-1	553356	560527	562201	558695	0.84	cps
Calcium	44-1	9176522	9302682	9389126	9289443	1.15	cps
Carbon	12-1	786331	797888	820751	801657	2.19	cps
Carbon	12-2	5908	5818	5928	5885	1.00	cps
Chlorine	35-1	131399	133260	134124	132928	1.05	cps
Chlorine	35-2	507	500	517	508	1.65	cps
Chromium	52-2	310494	307403	310798	309565	0.61	cps
Cobalt	59-2	599903	597046	597459	598136	0.26	cps
Copper	63-2	4758891	4805006	4787040	4783646	0.49	cps
Dysprosium	156-1	207	203	177	196	8.41	cps
Dysprosium	156-2	13	13	7	11	34.61	cps
Erbium	164-1	40	80	77	66	33.86	cps
Erbium	164-2	17	13	33	21	50.75	cps
Gadolinium	160-1	43	53	43	47	12.37	cps
Gadolinium	160-2	7	7	10	8	24.71	cps
Holmium	165-1	4505605	4477156	4524577	4502446	0.53	cps
Holmium	165-2	1409296	1413713	1445027	1422678	1.37	cps
Indium	115-1	3364861	3332295	3365048	3354068	0.56	cps
Indium	115-2	291533	295731	298416	295227	1.17	cps
Iron	54-2	622275	625150	626481	624635	0.34	cps
Iron	56-2	12028820	11850841	11861101	11913587	0.84	cps
Iron	57-2	289447	285747	287948	287714	0.65	cps
Krypton	83-1	63	70	57	63	10.52	cps
Lead	206-1	7731686	7699402	7690766	7707285	0.28	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:57:36	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	6613736	6579424	6666859	6620006	0.67	cps
Lead	208-1	30589063	30507686	30632749	30576499	0.21	cps
Lithium	6-1	1377550	1340219	1400514	1372761	2.22	cps
Magnesium	24-2	2081725	2060302	2103748	2081925	1.04	cps
Manganese	55-2	1303736	1294053	1287767	1295185	0.62	cps
Molybdenum	94-1	6367246	6449562	6438143	6418317	0.69	cps
Molybdenum	95-1	9247502	9341089	9365643	9318078	0.67	cps
Molybdenum	96-1	10081543	10147867	10190751	10140053	0.54	cps
Molybdenum	97-1	5693380	5770853	5695086	5719773	0.77	cps
Molybdenum	98-1	15013441	15025696	14957592	14998909	0.24	cps
Neodymium	150-1	217	213	160	197	16.17	cps
Neodymium	150-2	10	13	17	13	25.01	cps
Nickel	60-2	165162	164761	164053	164659	0.34	cps
Phosphorus	31-2	5214	5481	5511	5402	3.02	cps
Potassium	39-2	584969	580735	578778	581494	0.54	cps
Rhodium	103-1	3030456	3016518	3049625	3032200	0.55	cps
Rhodium	103-2	1024803	1036887	1050683	1037457	1.25	cps
Scandium	45-1	2163998	2113459	2187422	2154960	1.75	cps
Scandium	45-2	33125	33385	33028	33179	0.56	cps
Selenium	82-1	26355	26655	26318	26443	0.70	cps
Selenium	77-2	410	367	380	386	5.76	cps
Selenium	78-2	1343	1337	1300	1327	1.76	cps
Silicon	28-1	19947677	19766928	19993459	19902688	0.60	cps
Silver	107-1	2311760	2284233	2312448	2302814	0.70	cps
Silver	109-1	2158325	2189641	2166758	2171575	0.75	cps
Sodium	23-2	4135806	4105184	4051520	4097503	1.04	cps
Strontium	86-1	605379	612088	614986	610818	0.81	cps
Strontium	88-1	5473078	5558101	5475898	5502359	0.88	cps
Sulfur	34-1	268104	270342	270105	269517	0.46	cps
Terbium	159-1	4498484	4552029	4540497	4530336	0.62	cps
Terbium	159-2	1352686	1369317	1375139	1365714	0.85	cps
Thallium	203-1	1993965	1992791	1981462	1989406	0.35	cps
Thallium	205-1	4747661	4650392	4702723	4700259	1.04	cps
Tin	118-1	1543280	1552914	1487420	1527871	2.31	cps
Titanium	47-1	2553293	2543200	2610627	2569040	1.42	cps
Uranium	238-1	6089057	6104937	6156166	6116720	0.57	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 15:57:36	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	247924	246961	246015	246967	0.39	cps
Ytterbium	172-1	67	63	70	67	5.00	cps
Ytterbium	172-2	27	43	20	30	40.05	cps
Ytterbium	176-1	8580	9006	8953	8846	2.63	cps
Ytterbium	176-2	2864	2954	3044	2954	3.05	cps
Yttrium	89-1	5842243	5808412	5853838	5834831	0.40	cps
Yttrium	89-2	352817	357179	363797	357931	1.54	cps
Zinc	66-2	501157	500048	499859	500355	0.14	cps
Zirconium	90-1	3248697	3287709	3291167	3275858	0.72	cps
Zirconium	91-1	678091	696519	691680	688763	1.39	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:00:42	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	234429	234750	235682	234954	0.28	cps
Antimony	121-1	3958224	3954705	3980223	3964384	0.35	cps
Arsenic	75-2	64701	64088	64316	64368	0.48	cps
Barium	135-1	4730600	4810465	4761936	4767667	0.84	cps
Barium	137-1	8092971	8219690	8180523	8164395	0.79	cps
Beryllium	9-1	996120	1010887	1022609	1009872	1.31	cps
Bismuth	209-1	2772677	2740369	2760285	2757777	0.59	cps
Bismuth	209-2	949191	1018396	1020819	996136	4.08	cps
Bromine	81-1	1897	1880	2054	1943	4.92	cps
Cadmium	108-1	66556	68298	68570	67808	1.61	cps
Cadmium	106-1	95903	97387	98038	97109	1.13	cps
Cadmium	111-1	875885	889552	896716	887384	1.19	cps
Calcium	43-1	1108326	1124934	1127101	1120120	0.92	cps
Calcium	44-1	18415102	18923186	19041815	18793368	1.77	cps
Carbon	12-1	901270	949578	966749	939199	3.61	cps
Carbon	12-2	7002	7028	7032	7021	0.23	cps
Chlorine	35-1	134252	135564	137388	135735	1.16	cps
Chlorine	35-2	517	540	490	516	4.85	cps
Chromium	52-2	630540	623627	624431	626199	0.60	cps
Cobalt	59-2	1195657	1193298	1196926	1195294	0.15	cps
Copper	63-2	9429497	9301039	9362497	9364344	0.69	cps
Dysprosium	156-1	287	280	213	260	15.60	cps
Dysprosium	156-2	37	30	33	33	10.01	cps
Erbium	164-1	147	90	127	121	23.73	cps
Erbium	164-2	30	47	37	38	22.21	cps
Gadolinium	160-1	100	97	83	93	9.45	cps
Gadolinium	160-2	23	20	27	23	14.29	cps
Holmium	165-1	4484006	4577894	4550877	4537592	1.07	cps
Holmium	165-2	1365314	1477059	1475561	1439311	4.45	cps
Indium	115-1	3349440	3293783	3299904	3314376	0.92	cps
Indium	115-2	273639	296939	296785	289121	4.64	cps
Iron	54-2	1255975	1253133	1252976	1254028	0.13	cps
Iron	56-2	23654633	23678420	23861290	23731448	0.48	cps
Iron	57-2	575721	575074	577500	576099	0.22	cps
Krypton	83-1	87	70	67	74	14.39	cps
Lead	206-1	15162299	15300382	15308881	15257187	0.54	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:00:42	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	13012805	13053847	13160404	13075685	0.58	cps
Lead	208-1	60437457	60486258	60593942	60505886	0.13	cps
Lithium	6-1	1360043	1342668	1376987	1359899	1.26	cps
Magnesium	24-2	4110141	4117647	4092056	4106615	0.32	cps
Manganese	55-2	2766473	2752697	2787059	2768743	0.62	cps
Molybdenum	94-1	12609844	13071846	13072251	12917980	2.07	cps
Molybdenum	95-1	18376897	18716662	18879592	18657717	1.37	cps
Molybdenum	96-1	20161720	20554551	20610807	20442359	1.20	cps
Molybdenum	97-1	11343058	11434053	11567433	11448181	0.99	cps
Molybdenum	98-1	29609134	30370451	30495805	30158463	1.59	cps
Neodymium	150-1	427	513	447	462	9.82	cps
Neodymium	150-2	7	23	23	18	54.11	cps
Nickel	60-2	345901	345707	345784	345797	0.03	cps
Phosphorus	31-2	11098	10847	10734	10893	1.71	cps
Potassium	39-2	1173177	1166418	1173040	1170878	0.33	cps
Rhodium	103-1	3026337	2984732	2968604	2993224	1.00	cps
Rhodium	103-2	966135	1048854	1061141	1025377	5.04	cps
Scandium	45-1	2229231	2193597	2160588	2194472	1.56	cps
Scandium	45-2	32758	34735	35838	34444	4.53	cps
Selenium	82-1	52759	54305	54258	53774	1.64	cps
Selenium	77-2	800	760	787	782	2.60	cps
Selenium	78-2	2827	2720	2717	2755	2.27	cps
Silicon	28-1	39191810	39311574	39314666	39272684	0.18	cps
Silver	107-1	4485704	4545638	4593380	4541574	1.19	cps
Silver	109-1	4280359	4267668	4306162	4284730	0.46	cps
Sodium	23-2	8175703	8144018	8164031	8161250	0.20	cps
Strontium	86-1	1208322	1230201	1227263	1221929	0.97	cps
Strontium	88-1	10939931	11114050	11095210	11049730	0.86	cps
Sulfur	34-1	425639	432931	431901	430157	0.92	cps
Terbium	159-1	4589763	4568384	4612845	4590331	0.48	cps
Terbium	159-2	1300661	1407479	1417883	1375341	4.72	cps
Thallium	203-1	3924099	3929983	3927520	3927201	0.08	cps
Thallium	205-1	9174645	9093483	9264094	9177407	0.93	cps
Tin	118-1	3123103	3107521	3135242	3121955	0.45	cps
Titanium	47-1	4985274	5134576	5088215	5069355	1.51	cps
Uranium	238-1	12101032	12074914	12144606	12106851	0.29	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:00:42	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	499821	497614	502090	499842	0.45	cps
Ytterbium	172-1	120	130	147	132	10.19	cps
Ytterbium	172-2	20	43	30	31	37.62	cps
Ytterbium	176-1	17151	17235	17568	17318	1.27	cps
Ytterbium	176-2	6028	6171	5805	6001	3.08	cps
Yttrium	89-1	5905712	5939034	5964247	5936331	0.49	cps
Yttrium	89-2	344374	370797	373819	362997	4.46	cps
Zinc	66-2	1015861	1018076	1016943	1016960	0.11	cps
Zirconium	90-1	6382622	6564098	6615976	6520898	1.88	cps
Zirconium	91-1	1436420	1466378	1480614	1461137	1.54	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:03:43	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	950776	933619	924510	936302	1.42	cps
Antimony	121-1	1527	1363	1393	1428	6.09	cps
Arsenic	75-2	23	27	37	29	24.03	cps
Barium	135-1	2384	2237	1954	2191	9.98	cps
Barium	137-1	3844	3857	3647	3783	3.11	cps
Beryllium	9-1	522	451	462	479	8.00	cps
Bismuth	209-1	2262643	2242928	2176517	2227363	2.03	cps
Bismuth	209-2	795242	794279	809761	799761	1.08	cps
Bromine	81-1	2077	2130	2030	2079	2.41	cps
Cadmium	108-1	53	73	63	63	15.79	cps
Cadmium	106-1	1167	1190	1240	1199	3.13	cps
Cadmium	111-1	1136	1048	1040	1075	4.94	cps
Calcium	43-1	4997845	5014956	4812723	4941841	2.27	cps
Calcium	44-1	82828224	81209975	79735714	81257971	1.90	cps
Carbon	12-1	735947	742875	821736	766853	6.21	cps
Carbon	12-2	6108	5795	6108	6004	3.01	cps
Chlorine	35-1	112042	107109	103590	107580	3.95	cps
Chlorine	35-2	360	383	390	378	4.17	cps
Chromium	52-2	1247	1233	1320	1267	3.68	cps
Cobalt	59-2	2150	2064	2157	2124	2.45	cps
Copper	63-2	1660	1627	1460	1582	6.77	cps
Dysprosium	156-1	230	237	160	209	20.33	cps
Dysprosium	156-2	47	43	30	40	22.05	cps
Erbium	164-1	183	157	147	162	11.68	cps
Erbium	164-2	43	60	73	59	25.53	cps
Gadolinium	160-1	183	123	83	130	38.72	cps
Gadolinium	160-2	50	50	60	53	10.83	cps
Holmium	165-1	3963768	3922041	3843122	3909644	1.57	cps
Holmium	165-2	1210940	1226520	1244922	1227461	1.39	cps
Indium	115-1	2867800	2822823	2732273	2807632	2.46	cps
Indium	115-2	243131	244218	248963	245437	1.26	cps
Iron	54-2	5252953	5226868	5129722	5203181	1.25	cps
Iron	56-2	97012449	96073742	94348515	95811569	1.41	cps
Iron	57-2	2506567	2461797	2417028	2461797	1.82	cps
Krypton	83-1	67	80	67	71	10.82	cps
Lead	206-1	2784	2567	2590	2647	4.49	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:03:43	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2334	2087	2227	2216	5.58	cps
Lead	208-1	10889	9825	9802	10172	6.11	cps
Lithium	6-1	1172534	1151046	1114546	1146042	2.56	cps
Magnesium	24-2	16668471	16421332	16198202	16429335	1.43	cps
Manganese	55-2	1027	1107	1013	1049	4.81	cps
Molybdenum	94-1	5681	5114	4918	5238	7.57	cps
Molybdenum	95-1	2980	2790	2787	2853	3.88	cps
Molybdenum	96-1	5781	5041	4754	5192	10.21	cps
Molybdenum	97-1	1977	1700	1540	1739	12.71	cps
Molybdenum	98-1	4514	4261	3794	4190	8.72	cps
Neodymium	150-1	107	83	97	96	12.25	cps
Neodymium	150-2	17	23	23	21	18.21	cps
Nickel	60-2	1007	1083	973	1021	5.52	cps
Phosphorus	31-2	17	17	20	18	10.81	cps
Potassium	39-2	5026128	4988261	4954257	4989549	0.72	cps
Rhodium	103-1	2485431	2463846	2403837	2451038	1.72	cps
Rhodium	103-2	798630	804237	816220	806362	1.11	cps
Scandium	45-1	1899823	1852119	1808639	1853527	2.46	cps
Scandium	45-2	27249	27263	28515	27676	2.63	cps
Selenium	82-1	33	-13	27	16	162.25	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	0	0	0	0	0.00	cps
Silicon	28-1	173452	159341	149392	160728	7.52	cps
Silver	107-1	677	453	600	577	19.68	cps
Silver	109-1	630	570	497	566	11.81	cps
Sodium	23-2	32879480	31982817	31423675	32095324	2.29	cps
Strontium	86-1	3524	3284	3154	3320	5.65	cps
Strontium	88-1	30079	29294	28706	29360	2.35	cps
Sulfur	34-1	96341	94707	92553	94533	2.01	cps
Terbium	159-1	4043486	3972134	3869777	3961799	2.20	cps
Terbium	159-2	1159557	1169533	1194994	1174695	1.56	cps
Thallium	203-1	533	503	397	478	15.03	cps
Thallium	205-1	1410	1200	1010	1207	16.58	cps
Tin	118-1	1093	1017	970	1027	6.07	cps
Titanium	47-1	970	940	810	907	9.38	cps
Uranium	238-1	1090	717	750	852	24.24	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:03:43	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	117	133	123	124	6.74	cps
Ytterbium	172-1	210	190	210	203	5.68	cps
Ytterbium	172-2	83	67	83	78	12.37	cps
Ytterbium	176-1	527	563	533	541	3.61	cps
Ytterbium	176-2	77	107	103	96	17.21	cps
Yttrium	89-1	5205218	4998446	4932361	5045341	2.82	cps
Yttrium	89-2	299556	304253	308543	304117	1.48	cps
Zinc	66-2	477	510	463	483	4.97	cps
Zirconium	90-1	10424	9560	9603	9862	4.94	cps
Zirconium	91-1	2350	2367	2247	2321	2.80	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICV003	Instrumnet Name :	P8
Client Sample ID :	ICV003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:22:39	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5028	5031	4994	5018	0.40	cps
Antimony	121-1	672153	683177	688758	681363	1.24	cps
Arsenic	75-2	11305	11655	11712	11557	1.91	cps
Barium	135-1	85568	86956	87141	86555	0.99	cps
Barium	137-1	148047	150745	152588	150460	1.52	cps
Beryllium	9-1	87281	87541	89664	88162	1.48	cps
Bismuth	209-1	2730558	2463598	2563626	2585927	5.22	cps
Bismuth	209-2	1006300	1010113	1003462	1006625	0.33	cps
Bromine	81-1	1657	1790	1783	1743	4.31	cps
Cadmium	108-1	7149	7786	7492	7475	4.27	cps
Cadmium	106-1	8810	8743	8683	8745	0.73	cps
Cadmium	111-1	84536	84731	86079	85115	0.99	cps
Calcium	43-1	19694	20104	19881	19893	1.03	cps
Calcium	44-1	320443	324867	327494	324268	1.10	cps
Carbon	12-1	778003	796152	803629	792595	1.66	cps
Carbon	12-2	4904	4998	4741	4881	2.66	cps
Chlorine	35-1	93238	94875	94744	94285	0.96	cps
Chlorine	35-2	367	350	333	350	4.76	cps
Chromium	52-2	56417	56872	57458	56916	0.92	cps
Cobalt	59-2	110783	110803	111844	111143	0.55	cps
Copper	63-2	88668	90030	89137	89278	0.77	cps
Dysprosium	156-1	83	60	63	69	18.32	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	23	20	37	27	33.08	cps
Erbium	164-2	10	13	3	9	57.30	cps
Gadolinium	160-1	17	13	7	12	41.65	cps
Gadolinium	160-2	3	0	0	1	173.21	cps
Holmium	165-1	4160983	3771072	3879376	3937144	5.11	cps
Holmium	165-2	1366921	1360704	1380806	1369477	0.75	cps
Indium	115-1	3287225	2869784	2999496	3052168	7.00	cps
Indium	115-2	286195	285230	286549	285991	0.24	cps
Iron	54-2	46699	48512	48007	47739	1.96	cps
Iron	56-2	852580	857874	858187	856214	0.37	cps
Iron	57-2	21116	21647	21890	21551	1.84	cps
Krypton	83-1	37	57	57	50	23.09	cps
Lead	206-1	570090	582323	585412	579275	1.40	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICV003	Instrumnet Name :	P8
Client Sample ID :	ICV003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:22:39	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	474608	485619	487494	482574	1.44	cps
Lead	208-1	2222707	2272661	2271059	2255476	1.26	cps
Lithium	6-1	1191671	1104668	1144934	1147091	3.80	cps
Magnesium	24-2	40603	41944	41556	41367	1.67	cps
Manganese	55-2	24571	24187	24902	24553	1.46	cps
Molybdenum	94-1	4538614	4650063	4645420	4611366	1.37	cps
Molybdenum	95-1	8121321	8243224	8124739	8163095	0.85	cps
Molybdenum	96-1	8607702	8716992	8751404	8692033	0.86	cps
Molybdenum	97-1	4957848	5079120	5051621	5029530	1.26	cps
Molybdenum	98-1	12982731	13237778	13172247	13130919	1.01	cps
Neodymium	150-1	20	13	23	19	26.96	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	31081	30646	31231	30986	0.98	cps
Phosphorus	31-2	13	17	10	13	25.01	cps
Potassium	39-2	46043	46103	46314	46154	0.31	cps
Rhodium	103-1	2920012	2666851	2702304	2763056	4.96	cps
Rhodium	103-2	1016383	1013153	1016365	1015300	0.18	cps
Scandium	45-1	1937337	1763728	1841719	1847595	4.71	cps
Scandium	45-2	29951	30910	30529	30463	1.58	cps
Selenium	82-1	9777	10040	9824	9880	1.42	cps
Selenium	77-2	133	153	123	137	11.18	cps
Selenium	78-2	500	500	537	512	4.13	cps
Silicon	28-1	104079	105469	106214	105254	1.03	cps
Silver	107-1	197493	201177	201441	200037	1.10	cps
Silver	109-1	187515	192171	191842	190509	1.36	cps
Sodium	23-2	154207	154733	157132	155357	1.00	cps
Strontium	86-1	437	367	357	387	11.27	cps
Strontium	88-1	2550	2767	2504	2607	5.39	cps
Sulfur	34-1	91282	91436	91141	91286	0.16	cps
Terbium	159-1	4269761	3843956	4031718	4048478	5.27	cps
Terbium	159-2	1311043	1307174	1307988	1308735	0.16	cps
Thallium	203-1	692034	707708	705941	701895	1.22	cps
Thallium	205-1	1782106	1777789	1822032	1793976	1.36	cps
Tin	118-1	540	513	463	506	7.70	cps
Titanium	47-1	107	153	140	133	18.03	cps
Uranium	238-1	50	13	47	37	55.31	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICV003	Instrumnet Name :	P8
Client Sample ID :	ICV003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:22:39	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	43843	44031	43987	43954	0.22	cps
Ytterbium	172-1	30	23	20	24	20.83	cps
Ytterbium	172-2	20	7	10	12	56.76	cps
Ytterbium	176-1	473	393	410	426	9.92	cps
Ytterbium	176-2	80	107	93	93	14.29	cps
Yttrium	89-1	5297238	4836689	5003413	5045780	4.62	cps
Yttrium	89-2	334755	335226	333306	334429	0.30	cps
Zinc	66-2	18542	18425	18933	18633	1.43	cps
Zirconium	90-1	200	200	173	191	8.05	cps
Zirconium	91-1	177	127	153	152	16.44	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICB003	Instrumnet Name :	P8
Client Sample ID :	ICB003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:26:13	DataFile Name :	013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13	3	0	6	124.93	cps
Antimony	121-1	273	243	233	250	8.33	cps
Arsenic	75-2	3	0	0	1	173.21	cps
Barium	135-1	127	127	120	124	3.09	cps
Barium	137-1	153	193	207	184	15.05	cps
Beryllium	9-1	169	179	162	170	4.82	cps
Bismuth	209-1	2680055	2732122	2678003	2696726	1.14	cps
Bismuth	209-2	1006608	1001978	998164	1002250	0.42	cps
Bromine	81-1	1763	1833	1857	1818	2.67	cps
Cadmium	108-1	17	10	10	12	31.50	cps
Cadmium	106-1	1160	1160	1283	1201	5.93	cps
Cadmium	111-1	844	835	918	866	5.27	cps
Calcium	43-1	150	173	120	148	18.09	cps
Calcium	44-1	1593	1570	1557	1573	1.18	cps
Carbon	12-1	680645	679674	678059	679459	0.19	cps
Carbon	12-2	3951	4047	3924	3974	1.63	cps
Chlorine	35-1	93244	92546	92614	92801	0.41	cps
Chlorine	35-2	337	313	327	326	3.60	cps
Chromium	52-2	150	117	150	139	13.85	cps
Cobalt	59-2	53	50	43	49	10.42	cps
Copper	63-2	667	603	610	627	5.55	cps
Dysprosium	156-1	70	30	93	64	49.70	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	20	20	27	22	17.33	cps
Erbium	164-2	7	17	13	12	41.65	cps
Gadolinium	160-1	13	30	13	19	50.96	cps
Gadolinium	160-2	3	7	10	7	50.03	cps
Holmium	165-1	4116042	4094425	4118650	4109705	0.32	cps
Holmium	165-2	1346454	1355560	1346876	1349630	0.38	cps
Indium	115-1	3216034	3107534	3184785	3169451	1.76	cps
Indium	115-2	283693	282917	283710	283440	0.16	cps
Iron	54-2	207	190	167	188	10.70	cps
Iron	56-2	2930	2994	2867	2930	2.16	cps
Iron	57-2	63	60	83	69	18.32	cps
Krypton	83-1	50	40	67	52	25.80	cps
Lead	206-1	470	487	477	478	1.76	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICB003	Instrumnet Name :	P8
Client Sample ID :	ICB003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:26:13	DataFile Name :	013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	400	447	430	426	5.56	cps
Lead	208-1	1917	1943	1880	1913	1.66	cps
Lithium	6-1	1193066	1197195	1206166	1198809	0.56	cps
Magnesium	24-2	433	403	413	417	3.67	cps
Manganese	55-2	243	177	193	204	16.97	cps
Molybdenum	94-1	450	353	327	377	17.23	cps
Molybdenum	95-1	720	563	470	584	21.62	cps
Molybdenum	96-1	780	680	500	653	21.72	cps
Molybdenum	97-1	403	347	273	341	19.11	cps
Molybdenum	98-1	1110	1140	710	987	24.33	cps
Neodymium	150-1	13	13	17	14	13.35	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	203	227	210	213	5.63	cps
Phosphorus	31-2	7	20	3	10	88.20	cps
Potassium	39-2	4778	4514	4754	4682	3.11	cps
Rhodium	103-1	2883846	2877642	2948201	2903229	1.35	cps
Rhodium	103-2	1013803	1008676	1012004	1011494	0.26	cps
Scandium	45-1	1911219	1920047	1919275	1916847	0.26	cps
Scandium	45-2	30011	30442	30041	30165	0.80	cps
Selenium	82-1	3	20	-10	4	338.28	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	0	3	0	1	173.21	cps
Silicon	28-1	103048	103676	102457	103061	0.59	cps
Silver	107-1	137	160	153	150	8.01	cps
Silver	109-1	130	120	117	122	5.68	cps
Sodium	23-2	18609	18268	17978	18285	1.73	cps
Strontium	86-1	147	137	143	142	3.58	cps
Strontium	88-1	240	313	327	293	15.91	cps
Sulfur	34-1	93244	94654	95515	94471	1.21	cps
Terbium	159-1	4170884	4198265	4212897	4194015	0.51	cps
Terbium	159-2	1279842	1289291	1300608	1289914	0.81	cps
Thallium	203-1	197	197	180	191	5.04	cps
Thallium	205-1	493	593	477	521	12.11	cps
Tin	118-1	330	310	383	341	11.11	cps
Titanium	47-1	47	23	30	33	36.07	cps
Uranium	238-1	3	13	13	10	57.75	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICB003	Instrumnet Name :	P8
Client Sample ID :	ICB003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:26:13	DataFile Name :	013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	3	7	0	3	100.05	cps
Ytterbium	172-1	23	23	13	20	28.87	cps
Ytterbium	172-2	0	7	10	6	91.64	cps
Ytterbium	176-1	460	487	487	478	3.22	cps
Ytterbium	176-2	77	47	103	76	37.52	cps
Yttrium	89-1	5348866	5316958	5264789	5310204	0.80	cps
Yttrium	89-2	328789	331295	329432	329839	0.39	cps
Zinc	66-2	50	53	60	54	9.35	cps
Zirconium	90-1	180	173	170	174	2.92	cps
Zirconium	91-1	57	50	40	49	17.16	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICSA003	Instrumnet Name :	P8
Client Sample ID :	ICSA003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:29:43	DataFile Name :	014ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	991357	992468	991256	991693	0.07	cps
Antimony	121-1	3717	4071	4084	3957	5.26	cps
Arsenic	75-2	27	20	10	19	44.42	cps
Barium	135-1	1247	1280	1277	1268	1.45	cps
Barium	137-1	2204	2334	2287	2275	2.90	cps
Beryllium	9-1	382	377	376	379	0.87	cps
Bismuth	209-1	2521939	2561732	2551549	2545073	0.81	cps
Bismuth	209-2	938476	947292	957403	947723	1.00	cps
Bromine	81-1	2110	2164	2397	2224	6.86	cps
Cadmium	108-1	710	677	733	707	4.03	cps
Cadmium	106-1	1227	1300	1257	1261	2.92	cps
Cadmium	111-1	1118	1393	1203	1238	11.36	cps
Calcium	43-1	996775	1029947	1032946	1019889	1.97	cps
Calcium	44-1	16723362	17244958	17399610	17122643	2.07	cps
Carbon	12-1	8024011	8240780	8361631	8208807	2.08	cps
Carbon	12-2	58084	57779	59198	58354	1.28	cps
Chlorine	35-1	13354787	15000448	15343130	14566122	7.30	cps
Chlorine	35-2	57627	58802	58986	58472	1.26	cps
Chromium	52-2	11254	11018	11378	11217	1.63	cps
Cobalt	59-2	1357	1353	1353	1355	0.14	cps
Copper	63-2	7119	7429	7259	7269	2.14	cps
Dysprosium	156-1	93	63	67	74	22.09	cps
Dysprosium	156-2	10	0	7	6	91.64	cps
Erbium	164-1	27	33	47	36	28.64	cps
Erbium	164-2	0	10	3	4	114.60	cps
Gadolinium	160-1	27	13	27	22	34.66	cps
Gadolinium	160-2	7	10	10	9	21.63	cps
Holmium	165-1	4161590	4180360	4222326	4188092	0.74	cps
Holmium	165-2	1390897	1391706	1395739	1392781	0.19	cps
Indium	115-1	3020673	3106361	3095585	3074206	1.52	cps
Indium	115-2	280631	284183	283183	282666	0.65	cps
Iron	54-2	2493024	2457684	2457367	2469359	0.83	cps
Iron	56-2	44815509	45212873	45470178	45166187	0.73	cps
Iron	57-2	1082347	1091341	1089882	1087857	0.44	cps
Krypton	83-1	43	70	43	52	29.49	cps
Lead	206-1	12937	13237	13390	13188	1.75	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICSA003	Instrumnet Name :	P8
Client Sample ID :	ICSA003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:29:43	DataFile Name :	014ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	10644	10191	10361	10399	2.20	cps
Lead	208-1	49156	49163	49884	49401	0.85	cps
Lithium	6-1	1192844	1192327	1214773	1199981	1.07	cps
Magnesium	24-2	3600963	3600606	3567126	3589565	0.54	cps
Manganese	55-2	1943	1927	1903	1925	1.04	cps
Molybdenum	94-1	1917306	1965782	1990100	1957729	1.89	cps
Molybdenum	95-1	3384565	3496326	3546203	3475698	2.38	cps
Molybdenum	96-1	3624841	3753015	3778035	3718630	2.21	cps
Molybdenum	97-1	2100882	2159341	2152738	2137654	1.50	cps
Molybdenum	98-1	5421960	5635557	5620416	5559311	2.14	cps
Neodymium	150-1	37	13	23	24	47.91	cps
Neodymium	150-2	10	0	10	7	86.60	cps
Nickel	60-2	1800	1967	1697	1821	7.48	cps
Phosphorus	31-2	51046	51621	50919	51195	0.73	cps
Potassium	39-2	2257854	2276499	2273070	2269141	0.44	cps
Rhodium	103-1	2720118	2791581	2774410	2762036	1.35	cps
Rhodium	103-2	972952	978922	985275	979050	0.63	cps
Scandium	45-1	1908889	1997546	2009953	1972130	2.79	cps
Scandium	45-2	31818	32153	31782	31918	0.64	cps
Selenium	82-1	30	-3	50	26	105.42	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	0	0	0	0	0.00	cps
Silicon	28-1	160339	164896	165999	163744	1.83	cps
Silver	107-1	413	313	277	334	21.15	cps
Silver	109-1	373	320	287	327	13.38	cps
Sodium	23-2	7430436	7396953	7472851	7433413	0.51	cps
Strontium	86-1	37367	37273	37751	37463	0.68	cps
Strontium	88-1	315889	321904	324728	320840	1.41	cps
Sulfur	34-1	1295836	1322465	1318224	1312175	1.09	cps
Terbium	159-1	4269380	4273115	4281093	4274530	0.14	cps
Terbium	159-2	1319481	1337460	1330144	1329028	0.68	cps
Thallium	203-1	487	513	540	513	5.20	cps
Thallium	205-1	1193	1140	1263	1199	5.16	cps
Tin	118-1	903	867	883	884	2.08	cps
Titanium	47-1	896088	925553	930210	917284	2.02	cps
Uranium	238-1	177	177	170	174	2.21	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICSA003	Instrumnet Name :	P8
Client Sample ID :	ICSA003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:29:43	DataFile Name :	014ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	80	70	80	77	7.53	cps
Ytterbium	172-1	27	63	27	39	54.42	cps
Ytterbium	172-2	10	7	0	6	91.64	cps
Ytterbium	176-1	383	350	427	387	9.94	cps
Ytterbium	176-2	70	53	67	63	13.93	cps
Yttrium	89-1	5350543	5450788	5518402	5439911	1.55	cps
Yttrium	89-2	342400	345641	345410	344484	0.52	cps
Zinc	66-2	1147	1043	1013	1068	6.55	cps
Zirconium	90-1	293	347	267	302	13.48	cps
Zirconium	91-1	87	70	73	77	11.51	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICSAB003	Instrumnet Name :	P8
Client Sample ID :	ICSAB003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:32:57	DataFile Name :	015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1002031	1007060	997629	1002240	0.47	cps
Antimony	121-1	75094	75735	74347	75059	0.93	cps
Arsenic	75-2	1310	1400	1187	1299	8.25	cps
Barium	135-1	19491	19114	19464	19356	1.09	cps
Barium	137-1	32793	33294	32960	33016	0.77	cps
Beryllium	9-1	18956	19186	19243	19128	0.79	cps
Bismuth	209-1	2543633	2568553	2590365	2567517	0.91	cps
Bismuth	209-2	946656	958359	949862	951626	0.64	cps
Bromine	81-1	2290	2260	2140	2230	3.56	cps
Cadmium	108-1	1840	1793	1637	1757	6.06	cps
Cadmium	106-1	2704	2710	2640	2685	1.44	cps
Cadmium	111-1	18066	17682	18254	18001	1.62	cps
Calcium	43-1	1040060	1056980	1069847	1055629	1.42	cps
Calcium	44-1	17521750	17748529	17874112	17714797	1.01	cps
Carbon	12-1	8511953	8734131	8866637	8704240	2.06	cps
Carbon	12-2	60186	61371	60249	60602	1.10	cps
Chlorine	35-1	14810163	16113584	16548035	15823927	5.72	cps
Chlorine	35-2	61313	62072	62796	62060	1.19	cps
Chromium	52-2	22725	23159	23316	23066	1.33	cps
Cobalt	59-2	24070	24378	23800	24083	1.20	cps
Copper	63-2	24742	24929	25025	24899	0.58	cps
Dysprosium	156-1	100	50	80	77	32.83	cps
Dysprosium	156-2	7	0	7	4	86.60	cps
Erbium	164-1	33	40	57	43	27.74	cps
Erbium	164-2	17	10	3	10	66.70	cps
Gadolinium	160-1	47	17	23	29	54.53	cps
Gadolinium	160-2	13	7	10	10	33.30	cps
Holmium	165-1	4293146	4304551	4334415	4310704	0.49	cps
Holmium	165-2	1383513	1389834	1387867	1387071	0.23	cps
Indium	115-1	3201632	3168282	3176733	3182216	0.54	cps
Indium	115-2	285896	285703	285381	285660	0.09	cps
Iron	54-2	2468936	2464625	2485053	2472871	0.44	cps
Iron	56-2	45337864	45745039	45389021	45490642	0.49	cps
Iron	57-2	1098293	1103434	1105065	1102264	0.32	cps
Krypton	83-1	60	53	57	57	5.89	cps
Lead	206-1	70148	71381	70859	70796	0.87	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICSAB003	Instrumnet Name :	P8
Client Sample ID :	ICSAB003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:32:57	DataFile Name :	015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	58502	59610	58839	58984	0.96	cps
Lead	208-1	270733	275788	274419	273647	0.96	cps
Lithium	6-1	1226253	1250198	1253498	1243316	1.20	cps
Magnesium	24-2	3656286	3648614	3639808	3648236	0.23	cps
Manganese	55-2	6872	6582	6872	6775	2.47	cps
Molybdenum	94-1	1941206	2022060	2004976	1989414	2.14	cps
Molybdenum	95-1	3546677	3546776	3571477	3554977	0.40	cps
Molybdenum	96-1	3749610	3829703	3788102	3789138	1.06	cps
Molybdenum	97-1	2168460	2209929	2211830	2196740	1.12	cps
Molybdenum	98-1	5599848	5697262	5729145	5675418	1.19	cps
Neodymium	150-1	17	23	30	23	28.56	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	7779	7879	8052	7903	1.75	cps
Phosphorus	31-2	52685	53117	52595	52799	0.53	cps
Potassium	39-2	2320446	2340590	2300231	2320422	0.87	cps
Rhodium	103-1	2807031	2835063	2833117	2825070	0.55	cps
Rhodium	103-2	983666	986255	994282	988067	0.56	cps
Scandium	45-1	1982740	2036703	2046303	2021915	1.69	cps
Scandium	45-2	32086	32089	31815	31997	0.49	cps
Selenium	82-1	1023	957	953	978	4.04	cps
Selenium	77-2	7	10	3	7	50.03	cps
Selenium	78-2	37	37	50	41	18.72	cps
Silicon	28-1	171349	176179	176800	174776	1.71	cps
Silver	107-1	79236	80620	81281	80379	1.30	cps
Silver	109-1	75475	77613	77318	76802	1.51	cps
Sodium	23-2	7639227	7685915	7630923	7652022	0.39	cps
Strontium	86-1	37654	38957	38623	38412	1.76	cps
Strontium	88-1	328192	332280	336351	332274	1.23	cps
Sulfur	34-1	1344286	1392153	1356388	1364276	1.82	cps
Terbium	159-1	4315509	4357612	4388873	4353998	0.85	cps
Terbium	159-2	1331386	1334443	1322276	1329368	0.48	cps
Thallium	203-1	71542	72209	72340	72030	0.59	cps
Thallium	205-1	170379	171126	173892	171799	1.08	cps
Tin	118-1	963	793	793	850	11.55	cps
Titanium	47-1	939014	957604	956868	951162	1.11	cps
Uranium	238-1	140	217	193	183	21.44	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	ICSAB003	Instrumnet Name :	P8
Client Sample ID :	ICSAB003	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:32:57	DataFile Name :	015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	9437	9193	8876	9169	3.06	cps
Ytterbium	172-1	37	37	40	38	5.09	cps
Ytterbium	172-2	13	7	10	10	33.30	cps
Ytterbium	176-1	483	460	470	471	2.49	cps
Ytterbium	176-2	80	67	77	74	9.32	cps
Yttrium	89-1	5427219	5551740	5597150	5525370	1.59	cps
Yttrium	89-2	346221	348656	349635	348171	0.50	cps
Zinc	66-2	2947	3007	3057	3004	1.83	cps
Zirconium	90-1	210	280	323	271	21.09	cps
Zirconium	91-1	40	77	67	61	31.02	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCV013	Instrumnet Name :	P8
Client Sample ID :	CCV013	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:39:35	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	493161	487122	484313	488199	0.93	cps
Antimony	121-1	1754843	1740745	1729871	1741820	0.72	cps
Arsenic	75-2	28145	27624	27714	27828	1.00	cps
Barium	135-1	2158296	2138592	2147802	2148230	0.46	cps
Barium	137-1	3673656	3612304	3624933	3636964	0.89	cps
Beryllium	9-1	426364	424076	424199	424880	0.30	cps
Bismuth	209-1	2449029	2348840	2333089	2376986	2.65	cps
Bismuth	209-2	866545	867420	867609	867191	0.07	cps
Bromine	81-1	1960	1780	1867	1869	4.82	cps
Cadmium	108-1	29602	29311	29705	29539	0.69	cps
Cadmium	106-1	43007	42736	42896	42880	0.32	cps
Cadmium	111-1	384133	384524	384433	384364	0.05	cps
Calcium	43-1	2514609	2493461	2485918	2497996	0.60	cps
Calcium	44-1	40828421	40563141	40504984	40632182	0.42	cps
Carbon	12-1	820833	730359	751830	767674	6.16	cps
Carbon	12-2	5805	5694	5614	5704	1.67	cps
Chlorine	35-1	393266	377935	365714	378972	3.64	cps
Chlorine	35-2	1323	1257	1270	1283	2.75	cps
Chromium	52-2	263140	265904	264264	264436	0.53	cps
Cobalt	59-2	504366	505007	502356	503910	0.27	cps
Copper	63-2	3924794	3924290	3945905	3931663	0.31	cps
Dysprosium	156-1	137	167	137	147	11.81	cps
Dysprosium	156-2	33	40	17	30	40.05	cps
Erbium	164-1	93	113	97	101	10.60	cps
Erbium	164-2	50	43	43	46	8.45	cps
Gadolinium	160-1	107	90	93	97	9.13	cps
Gadolinium	160-2	23	23	47	31	43.32	cps
Holmium	165-1	4062486	3925494	3868669	3952216	2.52	cps
Holmium	165-2	1288078	1288635	1288922	1288545	0.03	cps
Indium	115-1	2958598	2884016	2892895	2911836	1.40	cps
Indium	115-2	255744	256524	258156	256808	0.48	cps
Iron	54-2	2761371	2789215	2739770	2763452	0.90	cps
Iron	56-2	50278444	50419001	49791603	50163016	0.66	cps
Iron	57-2	1218315	1217587	1213604	1216502	0.21	cps
Krypton	83-1	43	33	53	43	23.08	cps
Lead	206-1	6795932	6751451	6722336	6756573	0.55	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCV013	Instrumnet Name :	P8
Client Sample ID :	CCV013	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:39:35	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	5825575	5836818	5756716	5806370	0.75	cps
Lead	208-1	26956028	26869117	26451772	26758972	1.01	cps
Lithium	6-1	1168592	1137190	1109949	1138577	2.58	cps
Magnesium	24-2	8563897	8471946	8361528	8465790	1.20	cps
Manganese	55-2	1104792	1098082	1098797	1100557	0.33	cps
Molybdenum	94-1	5784267	5648847	5736890	5723335	1.20	cps
Molybdenum	95-1	8350208	8202688	8270346	8274414	0.89	cps
Molybdenum	96-1	9130828	9052315	9091942	9091695	0.43	cps
Molybdenum	97-1	5166653	5115150	5083183	5121662	0.82	cps
Molybdenum	98-1	13424935	13402075	13303160	13376723	0.48	cps
Neodymium	150-1	217	180	247	214	15.57	cps
Neodymium	150-2	3	20	17	13	66.16	cps
Nickel	60-2	140206	140805	140488	140500	0.21	cps
Phosphorus	31-2	4494	4487	4567	4516	0.98	cps
Potassium	39-2	2596852	2587558	2548178	2577529	1.00	cps
Rhodium	103-1	2662784	2538298	2525073	2575385	2.95	cps
Rhodium	103-2	880171	882629	881607	881469	0.14	cps
Scandium	45-1	1918124	1820962	1882546	1873877	2.62	cps
Scandium	45-2	29143	28993	29457	29197	0.81	cps
Selenium	82-1	22528	23189	23593	23104	2.33	cps
Selenium	77-2	270	360	400	343	19.39	cps
Selenium	78-2	1103	1210	1180	1165	4.72	cps
Silicon	28-1	18012082	17916131	17765507	17897907	0.69	cps
Silver	107-1	2021845	2011586	2009120	2014184	0.34	cps
Silver	109-1	1922123	1903535	1918630	1914763	0.52	cps
Sodium	23-2	16823449	16733031	16707454	16754645	0.36	cps
Strontium	86-1	542884	543577	539563	542008	0.40	cps
Strontium	88-1	4978289	4876712	4913959	4922987	1.04	cps
Sulfur	34-1	233553	233043	231992	232862	0.34	cps
Terbium	159-1	4134384	4008943	3976613	4039980	2.06	cps
Terbium	159-2	1240521	1238397	1231818	1236912	0.37	cps
Thallium	203-1	1742334	1718061	1736696	1732363	0.73	cps
Thallium	205-1	4137179	4132977	4092669	4120942	0.60	cps
Tin	118-1	1311471	1309231	1302473	1307725	0.36	cps
Titanium	47-1	2280418	2248421	2246746	2258528	0.84	cps
Uranium	238-1	5542137	5626550	5564152	5577613	0.79	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCV013	Instrumnet Name :	P8
Client Sample ID :	CCV013	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:39:35	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	213288	212604	211447	212447	0.44	cps
Ytterbium	172-1	113	123	113	117	4.95	cps
Ytterbium	172-2	57	50	43	50	13.34	cps
Ytterbium	176-1	8363	8173	8353	8296	1.29	cps
Ytterbium	176-2	2754	2824	2734	2770	1.71	cps
Yttrium	89-1	5318653	5102621	5056487	5159254	2.71	cps
Yttrium	89-2	314851	316265	318071	316396	0.51	cps
Zinc	66-2	418423	414285	415511	416073	0.51	cps
Zirconium	90-1	3007158	2941016	2953270	2967148	1.19	cps
Zirconium	91-1	627158	618678	619416	621751	0.76	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCB013	Instrumnet Name :	P8
Client Sample ID :	CCB013	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:48:00	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7	13	23	14	58.06	cps
Antimony	121-1	140	113	143	132	12.44	cps
Arsenic	75-2	3	0	3	2	86.60	cps
Barium	135-1	170	137	137	148	13.02	cps
Barium	137-1	223	217	207	216	3.89	cps
Beryllium	9-1	226	225	221	224	1.16	cps
Bismuth	209-1	2594078	2646067	2624880	2621675	1.00	cps
Bismuth	209-2	980960	980968	972880	978269	0.48	cps
Bromine	81-1	1893	1927	1820	1880	2.90	cps
Cadmium	108-1	7	7	7	7	0.00	cps
Cadmium	106-1	1130	1100	1257	1162	7.16	cps
Cadmium	111-1	816	782	885	828	6.34	cps
Calcium	43-1	120	147	147	138	11.18	cps
Calcium	44-1	1567	1627	1527	1573	3.20	cps
Carbon	12-1	681930	671202	674877	676003	0.81	cps
Carbon	12-2	3937	4057	4004	3999	1.50	cps
Chlorine	35-1	180743	178388	175574	178235	1.45	cps
Chlorine	35-2	570	683	537	597	12.89	cps
Chromium	52-2	133	130	117	127	6.96	cps
Cobalt	59-2	80	63	73	72	11.62	cps
Copper	63-2	750	617	710	692	9.88	cps
Dysprosium	156-1	37	30	40	36	14.32	cps
Dysprosium	156-2	3	7	0	3	100.05	cps
Erbium	164-1	20	17	37	24	43.83	cps
Erbium	164-2	7	3	3	4	43.40	cps
Gadolinium	160-1	0	23	7	10	120.16	cps
Gadolinium	160-2	3	3	3	3	0.00	cps
Holmium	165-1	4059970	3993926	3995266	4016387	0.94	cps
Holmium	165-2	1331690	1329050	1314186	1324975	0.71	cps
Indium	115-1	3105603	3119984	3071472	3099020	0.80	cps
Indium	115-2	278586	279331	275797	277905	0.67	cps
Iron	54-2	203	200	277	227	19.12	cps
Iron	56-2	4344	3934	4247	4175	5.14	cps
Iron	57-2	80	110	157	116	33.43	cps
Krypton	83-1	33	47	60	47	28.58	cps
Lead	206-1	587	583	570	580	1.52	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCB013	Instrumnet Name :	P8
Client Sample ID :	CCB013	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:48:00	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	570	527	523	540	4.82	cps
Lead	208-1	2340	2403	2390	2378	1.40	cps
Lithium	6-1	1124014	1150949	1147368	1140777	1.28	cps
Magnesium	24-2	627	603	683	638	6.45	cps
Manganese	55-2	177	177	177	177	0.00	cps
Molybdenum	94-1	130	117	130	126	6.13	cps
Molybdenum	95-1	173	157	160	163	5.40	cps
Molybdenum	96-1	163	177	173	171	4.05	cps
Molybdenum	97-1	67	90	67	74	18.09	cps
Molybdenum	98-1	260	193	180	211	20.30	cps
Neodymium	150-1	3	7	0	3	100.05	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	317	353	287	319	10.47	cps
Phosphorus	31-2	10	13	7	10	33.30	cps
Potassium	39-2	6001	5998	6221	6074	2.11	cps
Rhodium	103-1	2897263	2864555	2914346	2892055	0.87	cps
Rhodium	103-2	991444	996532	986301	991426	0.52	cps
Scandium	45-1	1866504	1854140	1851880	1857508	0.42	cps
Scandium	45-2	29440	28976	29196	29204	0.80	cps
Selenium	82-1	43	7	20	23	79.57	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	3	0	0	1	173.21	cps
Silicon	28-1	101330	100011	101044	100795	0.69	cps
Silver	107-1	67	77	83	76	11.10	cps
Silver	109-1	77	73	60	70	12.60	cps
Sodium	23-2	22160	22160	21529	21950	1.66	cps
Strontium	86-1	117	73	83	91	24.91	cps
Strontium	88-1	217	247	217	227	7.64	cps
Sulfur	34-1	90557	90340	91520	90806	0.69	cps
Terbium	159-1	4089452	4151156	4058191	4099600	1.15	cps
Terbium	159-2	1260576	1276338	1262318	1266410	0.68	cps
Thallium	203-1	283	240	193	239	18.84	cps
Thallium	205-1	490	533	483	502	5.41	cps
Tin	118-1	370	357	400	376	5.91	cps
Titanium	47-1	47	47	27	40	28.87	cps
Uranium	238-1	20	20	20	20	0.00	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCB013	Instrumnet Name :	P8
Client Sample ID :	CCB013	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:48:00	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	0	0	0	0	0.00	cps
Ytterbium	172-1	17	20	37	24	43.83	cps
Ytterbium	172-2	17	0	7	8	107.84	cps
Ytterbium	176-1	383	457	440	427	9.01	cps
Ytterbium	176-2	43	73	57	58	26.01	cps
Yttrium	89-1	5240431	5149939	5199971	5196780	0.87	cps
Yttrium	89-2	325243	325837	321663	324248	0.70	cps
Zinc	66-2	40	47	43	43	7.70	cps
Zirconium	90-1	170	137	193	167	17.09	cps
Zirconium	91-1	37	40	27	34	20.14	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-11	Instrumnet Name :	P8
Client Sample ID :	MH2H02	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:51:45	DataFile Name :	020AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	346751	343278	345554	345194	0.51	cps
Antimony	121-1	19574	19788	19698	19686	0.54	cps
Arsenic	75-2	5481	5848	5708	5679	3.26	cps
Barium	135-1	1246442	1258135	1269763	1258114	0.93	cps
Barium	137-1	2291188	2316216	2361894	2323099	1.54	cps
Beryllium	9-1	5734	5923	5875	5844	1.68	cps
Bismuth	209-1	2656132	2667996	2692016	2672048	0.68	cps
Bismuth	209-2	995311	1001232	1009057	1001867	0.69	cps
Bromine	81-1	4261	4754	4694	4570	5.89	cps
Cadmium	108-1	2717	2527	2604	2616	3.65	cps
Cadmium	106-1	4744	5134	5208	5029	4.95	cps
Cadmium	111-1	37864	38090	38091	38015	0.34	cps
Calcium	43-1	1703479	1714104	1716043	1711209	0.40	cps
Calcium	44-1	26908112	27442642	27626505	27325753	1.37	cps
Carbon	12-1	1104733	1138982	1157921	1133879	2.38	cps
Carbon	12-2	7999	7765	8079	7948	2.05	cps
Chlorine	35-1	28177465	30609132	31727487	30171361	6.02	cps
Chlorine	35-2	117448	118268	120097	118604	1.14	cps
Chromium	52-2	23820	23513	23680	23671	0.65	cps
Cobalt	59-2	56180	56311	55544	56012	0.73	cps
Copper	63-2	953585	955025	958087	955566	0.24	cps
Dysprosium	156-1	49608	50609	51151	50456	1.55	cps
Dysprosium	156-2	16170	15890	15970	16010	0.90	cps
Erbium	164-1	42855	42391	42993	42746	0.74	cps
Erbium	164-2	14431	14415	14238	14361	0.75	cps
Gadolinium	160-1	44617	46353	45250	45407	1.93	cps
Gadolinium	160-2	18593	18620	18480	18564	0.40	cps
Holmium	165-1	4151488	4202528	4211949	4188655	0.78	cps
Holmium	165-2	1362551	1378412	1377035	1372666	0.64	cps
Indium	115-1	3158897	3175027	3194165	3176030	0.56	cps
Indium	115-2	285361	285259	284813	285144	0.10	cps
Iron	54-2	3134121	3100492	3134374	3122996	0.62	cps
Iron	56-2	57382642	57091737	57520587	57331656	0.38	cps
Iron	57-2	1481226	1483006	1466280	1476837	0.62	cps
Krypton	83-1	87	83	90	87	3.85	cps
Lead	206-1	8660318	8702319	8740897	8701178	0.46	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-11	Instrumnet Name :	P8
Client Sample ID :	MH2H02	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:51:45	DataFile Name :	020AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	7315844	7375502	7378536	7356627	0.48	cps
Lead	208-1	33805465	34176672	34455213	34145783	0.95	cps
Lithium	6-1	1175275	1180708	1197746	1184576	0.99	cps
Magnesium	24-2	467355	468848	463537	466580	0.59	cps
Manganese	55-2	2241291	2246821	2208745	2232286	0.92	cps
Molybdenum	94-1	20228	20682	20265	20392	1.24	cps
Molybdenum	95-1	11992	12062	12039	12031	0.30	cps
Molybdenum	96-1	15936	15649	16083	15889	1.39	cps
Molybdenum	97-1	7442	7392	7025	7286	3.12	cps
Molybdenum	98-1	18883	19297	18800	18993	1.40	cps
Neodymium	150-1	73707	74669	75360	74579	1.11	cps
Neodymium	150-2	17935	18159	18166	18087	0.72	cps
Nickel	60-2	48797	49877	49087	49254	1.13	cps
Phosphorus	31-2	2150	2144	2080	2125	1.82	cps
Potassium	39-2	163966	162149	162379	162831	0.61	cps
Rhodium	103-1	2785654	2836019	2792067	2804580	0.98	cps
Rhodium	103-2	987123	990826	990497	989482	0.21	cps
Scandium	45-1	1973996	2003497	2018248	1998580	1.13	cps
Scandium	45-2	31538	31822	31678	31679	0.45	cps
Selenium	82-1	110	83	87	93	15.56	cps
Selenium	77-2	50	33	53	46	23.52	cps
Selenium	78-2	20	30	23	24	20.83	cps
Silicon	28-1	7382518	7430732	7466535	7426595	0.57	cps
Silver	107-1	72603	74533	75079	74072	1.76	cps
Silver	109-1	69363	71397	71162	70641	1.58	cps
Sodium	23-2	108398	108428	110121	108983	0.90	cps
Strontium	86-1	899700	906100	917145	907648	0.97	cps
Strontium	88-1	8108673	8100429	8256809	8155304	1.08	cps
Sulfur	34-1	115106	115153	117135	115798	1.00	cps
Terbium	159-1	4209307	4240060	4338483	4262617	1.58	cps
Terbium	159-2	1319048	1315115	1300031	1311398	0.77	cps
Thallium	203-1	7532	7739	8026	7766	3.19	cps
Thallium	205-1	18450	18163	18093	18235	1.04	cps
Tin	118-1	195190	195155	197265	195870	0.62	cps
Titanium	47-1	244753	250537	249793	248361	1.27	cps
Uranium	238-1	69995	69627	70149	69924	0.38	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-11	Instrumnet Name :	P8
Client Sample ID :	MH2H02	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:51:45	DataFile Name :	020AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	59372	60979	60430	60260	1.36	cps
Ytterbium	172-1	13737	14094	13947	13926	1.29	cps
Ytterbium	172-2	5525	5611	5728	5621	1.82	cps
Ytterbium	176-1	9447	8856	9160	9154	3.23	cps
Ytterbium	176-2	3824	3807	3527	3719	4.48	cps
Yttrium	89-1	6023785	5976895	6099590	6033423	1.03	cps
Yttrium	89-2	377636	381847	378737	379407	0.58	cps
Zinc	66-2	791811	790912	784988	789237	0.47	cps
Zirconium	90-1	38015	37811	38479	38102	0.90	cps
Zirconium	91-1	8436	8439	8319	8398	0.81	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-12	Instrumnet Name :	P8
Client Sample ID :	MH2H03	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:55:02	DataFile Name :	021AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	276687	278321	276939	277316	0.32	cps
Antimony	121-1	19324	19658	19561	19514	0.88	cps
Arsenic	75-2	7215	7015	7585	7272	3.98	cps
Barium	135-1	1087741	1099962	1101078	1096260	0.67	cps
Barium	137-1	2022812	2027180	2004916	2018303	0.58	cps
Beryllium	9-1	4489	4601	4464	4518	1.62	cps
Bismuth	209-1	2758311	2765680	2725437	2749809	0.78	cps
Bismuth	209-2	1017890	1008298	1017376	1014521	0.53	cps
Bromine	81-1	4481	4461	4454	4465	0.31	cps
Cadmium	108-1	2817	2924	2804	2848	2.31	cps
Cadmium	106-1	5334	5261	4884	5160	4.68	cps
Cadmium	111-1	39955	40441	40371	40256	0.65	cps
Calcium	43-1	1466356	1506418	1514968	1495914	1.73	cps
Calcium	44-1	23752440	24312883	24420326	24161883	1.48	cps
Carbon	12-1	1123190	1156658	1174324	1151391	2.26	cps
Carbon	12-2	7632	7755	8019	7802	2.53	cps
Chlorine	35-1	32336845	34783748	35724714	34281769	5.10	cps
Chlorine	35-2	128574	130696	131561	130277	1.18	cps
Chromium	52-2	22010	22164	21697	21957	1.08	cps
Cobalt	59-2	52901	52640	52383	52641	0.49	cps
Copper	63-2	939977	939485	940217	939893	0.04	cps
Dysprosium	156-1	47093	48043	47614	47583	1.00	cps
Dysprosium	156-2	15449	15002	15152	15201	1.50	cps
Erbium	164-1	38576	39920	39886	39461	1.94	cps
Erbium	164-2	13036	13163	13464	13221	1.66	cps
Gadolinium	160-1	44266	44246	44738	44417	0.63	cps
Gadolinium	160-2	18059	17729	17769	17852	1.01	cps
Holmium	165-1	4204419	4198248	4191765	4198144	0.15	cps
Holmium	165-2	1377178	1372329	1364616	1371374	0.46	cps
Indium	115-1	3227077	3184114	3173479	3194890	0.89	cps
Indium	115-2	286206	285392	285811	285803	0.14	cps
Iron	54-2	3116847	3123661	3102093	3114200	0.35	cps
Iron	56-2	57921854	57763306	57715107	57800089	0.19	cps
Iron	57-2	1482178	1478820	1474397	1478465	0.26	cps
Krypton	83-1	97	107	113	106	7.95	cps
Lead	206-1	8817424	8825884	8855373	8832894	0.23	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-12	Instrumnet Name :	P8
Client Sample ID :	MH2H03	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:55:02	DataFile Name :	021AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	7398863	7425668	7567665	7464065	1.22	cps
Lead	208-1	34488473	34354049	34848973	34563832	0.74	cps
Lithium	6-1	1217553	1220155	1193712	1210474	1.20	cps
Magnesium	24-2	475405	477060	475940	476135	0.18	cps
Manganese	55-2	2159596	2157542	2167290	2161476	0.24	cps
Molybdenum	94-1	15382	15822	15776	15660	1.55	cps
Molybdenum	95-1	11351	11525	11875	11584	2.30	cps
Molybdenum	96-1	13867	14765	14508	14380	3.21	cps
Molybdenum	97-1	7055	6878	7092	7008	1.63	cps
Molybdenum	98-1	18145	17975	17978	18033	0.54	cps
Neodymium	150-1	72783	73329	74401	73504	1.12	cps
Neodymium	150-2	17742	17645	17608	17665	0.39	cps
Nickel	60-2	55544	55652	55538	55578	0.11	cps
Phosphorus	31-2	1660	1653	1877	1730	7.35	cps
Potassium	39-2	181836	183564	181728	182376	0.57	cps
Rhodium	103-1	2869282	2864451	2881309	2871681	0.30	cps
Rhodium	103-2	1000231	995944	1007466	1001213	0.58	cps
Scandium	45-1	2015062	2009504	1999932	2008166	0.38	cps
Scandium	45-2	31715	32366	31474	31852	1.45	cps
Selenium	82-1	97	53	80	77	28.51	cps
Selenium	77-2	60	37	37	44	30.31	cps
Selenium	78-2	37	37	30	34	11.18	cps
Silicon	28-1	6971528	7061983	7213977	7082496	1.73	cps
Silver	107-1	86834	87800	87776	87470	0.63	cps
Silver	109-1	82471	83068	84410	83316	1.19	cps
Sodium	23-2	81663	81854	81499	81672	0.22	cps
Strontium	86-1	691697	707631	708955	702761	1.37	cps
Strontium	88-1	6305808	6361644	6342804	6336752	0.45	cps
Sulfur	34-1	114757	115825	117407	115996	1.15	cps
Terbium	159-1	4347984	4298682	4306805	4317824	0.61	cps
Terbium	159-2	1318187	1306403	1322108	1315566	0.62	cps
Thallium	203-1	7299	7489	7756	7514	3.05	cps
Thallium	205-1	18433	17896	18360	18230	1.60	cps
Tin	118-1	212949	214605	215753	214436	0.66	cps
Titanium	47-1	135499	138147	137131	136926	0.98	cps
Uranium	238-1	61307	62205	62560	62024	1.04	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-12	Instrumnet Name :	P8
Client Sample ID :	MH2H03	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:55:02	DataFile Name :	021AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	57485	57826	58151	57820	0.58	cps
Ytterbium	172-1	11845	11976	12239	12020	1.67	cps
Ytterbium	172-2	4791	4981	4724	4832	2.76	cps
Ytterbium	176-1	7769	7889	7892	7850	0.90	cps
Ytterbium	176-2	3184	3067	3114	3122	1.88	cps
Yttrium	89-1	6000842	6041992	6037535	6026790	0.37	cps
Yttrium	89-2	374492	372886	372696	373358	0.26	cps
Zinc	66-2	794315	797302	795702	795773	0.19	cps
Zirconium	90-1	25306	25059	25594	25320	1.06	cps
Zirconium	91-1	5548	5618	5781	5649	2.12	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-13	Instrumnet Name :	P8
Client Sample ID :	MH2H08	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:58:16	DataFile Name :	022AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	122930	123760	123179	123290	0.35	cps
Antimony	121-1	7355	6942	7252	7183	3.00	cps
Arsenic	75-2	983	1007	1043	1011	2.99	cps
Barium	135-1	372930	373944	374512	373795	0.21	cps
Barium	137-1	651175	649070	649241	649829	0.18	cps
Beryllium	9-1	2057	2100	2094	2084	1.10	cps
Bismuth	209-1	2439227	2499658	2420502	2453129	1.69	cps
Bismuth	209-2	876797	879779	872796	876457	0.40	cps
Bromine	81-1	4181	4127	4164	4157	0.66	cps
Cadmium	108-1	860	873	797	843	4.86	cps
Cadmium	106-1	2244	2240	2244	2242	0.09	cps
Cadmium	111-1	3665	3734	3816	3739	2.02	cps
Calcium	43-1	6509359	6517377	6572343	6533026	0.52	cps
Calcium	44-1	106112775	105441522	106545395	106033231	0.52	cps
Carbon	12-1	2375525	2456558	2504521	2445535	2.67	cps
Carbon	12-2	17394	17554	17614	17521	0.65	cps
Chlorine	35-1	35924624	37378202	38119939	37140921	3.01	cps
Chlorine	35-2	136958	137670	140702	138443	1.44	cps
Chromium	52-2	58947	60915	59684	59849	1.66	cps
Cobalt	59-2	20795	20809	20642	20749	0.45	cps
Copper	63-2	91130	91260	93857	92082	1.67	cps
Dysprosium	156-1	22459	22178	22215	22284	0.68	cps
Dysprosium	156-2	6939	7035	6932	6969	0.83	cps
Erbium	164-1	18129	18036	18226	18130	0.52	cps
Erbium	164-2	5895	6035	5851	5927	1.62	cps
Gadolinium	160-1	19585	20169	20416	20056	2.13	cps
Gadolinium	160-2	8046	7889	8233	8056	2.14	cps
Holmium	165-1	4179221	4195806	4186365	4187131	0.20	cps
Holmium	165-2	1314560	1316316	1320578	1317151	0.23	cps
Indium	115-1	3037109	3041607	3044347	3041021	0.12	cps
Indium	115-2	265483	269157	269038	267892	0.78	cps
Iron	54-2	957942	962450	962165	960852	0.26	cps
Iron	56-2	18511343	18917630	18580425	18669799	1.16	cps
Iron	57-2	445948	454292	448975	449738	0.94	cps
Krypton	83-1	67	87	67	73	15.75	cps
Lead	206-1	783585	784805	778528	782306	0.43	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-13	Instrumnet Name :	P8
Client Sample ID :	MH2H08	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:58:16	DataFile Name :	022AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	649346	647651	650136	649045	0.20	cps
Lead	208-1	3140103	3032675	3017299	3063359	2.18	cps
Lithium	6-1	1210865	1192820	1206225	1203303	0.78	cps
Magnesium	24-2	11058197	11129528	11106435	11098053	0.33	cps
Manganese	55-2	1004671	1013736	1002623	1007010	0.59	cps
Molybdenum	94-1	10481	10461	10197	10379	1.52	cps
Molybdenum	95-1	7866	7679	8206	7917	3.37	cps
Molybdenum	96-1	9420	9613	9844	9626	2.20	cps
Molybdenum	97-1	4724	4594	4701	4673	1.48	cps
Molybdenum	98-1	11828	12382	12639	12283	3.37	cps
Neodymium	150-1	34715	34825	34839	34793	0.20	cps
Neodymium	150-2	7979	8072	8383	8145	2.59	cps
Nickel	60-2	14551	15015	14848	14804	1.59	cps
Phosphorus	31-2	1847	1783	1943	1858	4.34	cps
Potassium	39-2	98235	98939	97866	98346	0.55	cps
Rhodium	103-1	2719875	2719440	2684925	2708080	0.74	cps
Rhodium	103-2	917897	931179	927941	925672	0.75	cps
Scandium	45-1	2000859	1918910	1931457	1950408	2.26	cps
Scandium	45-2	30165	30135	30579	30293	0.82	cps
Selenium	82-1	60	103	123	96	33.88	cps
Selenium	77-2	23	20	13	19	26.96	cps
Selenium	78-2	20	20	17	19	10.18	cps
Silicon	28-1	18884923	18921879	19053139	18953314	0.47	cps
Silver	107-1	4224	4364	4197	4262	2.10	cps
Silver	109-1	4164	4224	4254	4214	1.09	cps
Sodium	23-2	79495	80158	81147	80267	1.04	cps
Strontium	86-1	411666	413262	413311	412746	0.23	cps
Strontium	88-1	3749278	3800609	3755870	3768586	0.74	cps
Sulfur	34-1	115801	117240	116658	116566	0.62	cps
Terbium	159-1	4254203	4218827	4160041	4211024	1.13	cps
Terbium	159-2	1255897	1269025	1275154	1266692	0.78	cps
Thallium	203-1	1490	1400	1650	1513	8.37	cps
Thallium	205-1	3197	3404	3584	3395	5.70	cps
Tin	118-1	19417	19097	19591	19368	1.29	cps
Titanium	47-1	128152	128980	129218	128783	0.43	cps
Uranium	238-1	44130	44160	43919	44070	0.30	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-13	Instrumnet Name :	P8
Client Sample ID :	MH2H08	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 16:58:16	DataFile Name :	022AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	26097	25466	26217	25927	1.56	cps
Ytterbium	172-1	5301	5428	5588	5439	2.64	cps
Ytterbium	172-2	2190	2137	2100	2142	2.11	cps
Ytterbium	176-1	3607	3741	3957	3768	4.69	cps
Ytterbium	176-2	1487	1460	1457	1468	1.12	cps
Yttrium	89-1	5618514	5689648	5608104	5638755	0.79	cps
Yttrium	89-2	343591	349049	346612	346417	0.79	cps
Zinc	66-2	102910	103551	103585	103349	0.37	cps
Zirconium	90-1	16046	16260	16196	16167	0.68	cps
Zirconium	91-1	3717	3557	3607	3627	2.26	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-14	Instrumnet Name :	P8
Client Sample ID :	MH2H09	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:01:39	DataFile Name :	023AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	143159	142132	144418	143236	0.80	cps
Antimony	121-1	6455	6598	6975	6676	4.03	cps
Arsenic	75-2	1407	1443	1387	1412	2.04	cps
Barium	135-1	460826	468391	468455	465891	0.94	cps
Barium	137-1	800396	813705	820265	811456	1.25	cps
Beryllium	9-1	2402	2271	2375	2349	2.95	cps
Bismuth	209-1	2431905	2395133	2386632	2404556	1.00	cps
Bismuth	209-2	883429	878025	881239	880898	0.31	cps
Bromine	81-1	5068	5184	5271	5174	1.97	cps
Cadmium	108-1	800	837	910	849	6.60	cps
Cadmium	106-1	2307	2277	2374	2319	2.13	cps
Cadmium	111-1	7053	6986	6926	6988	0.91	cps
Calcium	43-1	6190965	6387136	6445817	6341306	2.10	cps
Calcium	44-1	101961205	104506612	105661308	104043042	1.82	cps
Carbon	12-1	1860377	1998474	1997425	1952092	4.07	cps
Carbon	12-2	14521	14247	13910	14226	2.15	cps
Chlorine	35-1	34368232	36673861	37339415	36127169	4.32	cps
Chlorine	35-2	135720	137526	138693	137313	1.09	cps
Chromium	52-2	29891	29297	29297	29495	1.16	cps
Cobalt	59-2	22858	22568	22605	22677	0.70	cps
Copper	63-2	157226	159190	159953	158790	0.89	cps
Dysprosium	156-1	24282	24473	24746	24500	0.95	cps
Dysprosium	156-2	7896	7769	7666	7777	1.48	cps
Erbium	164-1	19862	20329	20616	20269	1.88	cps
Erbium	164-2	6785	6598	7072	6818	3.50	cps
Gadolinium	160-1	21982	22262	22122	22122	0.63	cps
Gadolinium	160-2	8913	9040	9120	9024	1.16	cps
Holmium	165-1	4015616	4028013	4057766	4033798	0.54	cps
Holmium	165-2	1332592	1318979	1326640	1326070	0.51	cps
Indium	115-1	2936189	2960089	3019986	2972088	1.45	cps
Indium	115-2	267661	265963	264853	266159	0.53	cps
Iron	54-2	1092616	1102040	1100606	1098421	0.46	cps
Iron	56-2	21136671	21146518	21443463	21242217	0.82	cps
Iron	57-2	515926	511244	515728	514300	0.51	cps
Krypton	83-1	87	110	80	92	17.08	cps
Lead	206-1	1485898	1494208	1496516	1492207	0.37	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-14	Instrumnet Name :	P8
Client Sample ID :	MH2H09	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:01:39	DataFile Name :	023AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1256244	1255874	1270100	1260739	0.64	cps
Lead	208-1	6022052	6120148	6128820	6090340	0.97	cps
Lithium	6-1	1157253	1194238	1177177	1176223	1.57	cps
Magnesium	24-2	10867617	10856924	10917002	10880514	0.29	cps
Manganese	55-2	1031410	1034272	1040131	1035271	0.43	cps
Molybdenum	94-1	9573	9593	9550	9572	0.23	cps
Molybdenum	95-1	6722	6838	7132	6897	3.06	cps
Molybdenum	96-1	8363	8766	8800	8643	2.81	cps
Molybdenum	97-1	3974	4331	4327	4211	4.87	cps
Molybdenum	98-1	10984	10831	10821	10879	0.84	cps
Neodymium	150-1	34835	35971	36566	35791	2.46	cps
Neodymium	150-2	8503	8846	8813	8721	2.17	cps
Nickel	60-2	17981	18382	18482	18282	1.45	cps
Phosphorus	31-2	1847	1877	1880	1868	0.98	cps
Potassium	39-2	89867	89696	92031	90531	1.44	cps
Rhodium	103-1	2579052	2640261	2661533	2626949	1.63	cps
Rhodium	103-2	925027	920124	925740	923630	0.33	cps
Scandium	45-1	1885998	1902195	1931710	1906634	1.22	cps
Scandium	45-2	30816	29915	31257	30663	2.23	cps
Selenium	82-1	107	113	127	116	8.81	cps
Selenium	77-2	20	17	23	20	16.65	cps
Selenium	78-2	23	17	7	16	53.90	cps
Silicon	28-1	12445340	12680387	12875453	12667060	1.70	cps
Silver	107-1	9040	9206	9196	9148	1.02	cps
Silver	109-1	8286	9046	8576	8636	4.44	cps
Sodium	23-2	92849	94467	94101	93806	0.90	cps
Strontium	86-1	439447	450742	453309	447833	1.65	cps
Strontium	88-1	4032701	4093711	4154270	4093561	1.48	cps
Sulfur	34-1	107868	110651	111881	110133	1.87	cps
Terbium	159-1	4096886	4105861	4078717	4093821	0.34	cps
Terbium	159-2	1267500	1254394	1264527	1262140	0.54	cps
Thallium	203-1	2094	1967	2117	2059	3.92	cps
Thallium	205-1	4771	4834	4768	4791	0.78	cps
Tin	118-1	24345	25277	25364	24995	2.26	cps
Titanium	47-1	106528	107919	110307	108251	1.77	cps
Uranium	238-1	58163	59288	58293	58581	1.05	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-14	Instrumnet Name :	P8
Client Sample ID :	MH2H09	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:01:39	DataFile Name :	023AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	30516	30168	31348	30677	1.98	cps
Ytterbium	172-1	6332	6021	6168	6174	2.51	cps
Ytterbium	172-2	2567	2627	2410	2535	4.41	cps
Ytterbium	176-1	4197	4334	4391	4307	2.31	cps
Ytterbium	176-2	1680	1683	1710	1691	0.97	cps
Yttrium	89-1	5494849	5560934	5592101	5549295	0.89	cps
Yttrium	89-2	351199	347488	346381	348356	0.72	cps
Zinc	66-2	159637	159027	159573	159412	0.21	cps
Zirconium	90-1	14751	15062	14594	14802	1.61	cps
Zirconium	91-1	3424	3647	3370	3480	4.22	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-15	Instrumnet Name :	P8
Client Sample ID :	MH2H10	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:05:00	DataFile Name :	024AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	246751	244226	243847	244941	0.64	cps
Antimony	121-1	10708	11085	11068	10953	1.94	cps
Arsenic	75-2	2867	2914	2770	2850	2.57	cps
Barium	135-1	725831	749087	758558	744492	2.26	cps
Barium	137-1	1257115	1298736	1310080	1288644	2.16	cps
Beryllium	9-1	3206	3277	3376	3287	2.60	cps
Bismuth	209-1	2565035	2646575	2602990	2604867	1.57	cps
Bismuth	209-2	977745	972370	975904	975340	0.28	cps
Bromine	81-1	4664	5074	5254	4998	6.05	cps
Cadmium	108-1	767	870	973	870	11.88	cps
Cadmium	106-1	2494	2504	2667	2555	3.81	cps
Cadmium	111-1	12537	12842	13077	12819	2.11	cps
Calcium	43-1	1731809	1839380	1856130	1809106	3.73	cps
Calcium	44-1	28324750	29662326	29630900	29205992	2.61	cps
Carbon	12-1	1217191	1289576	1302362	1269710	3.62	cps
Carbon	12-2	8976	9376	9613	9322	3.45	cps
Chlorine	35-1	30897567	33269684	33999542	32722264	4.96	cps
Chlorine	35-2	124990	125438	125051	125160	0.19	cps
Chromium	52-2	21029	20849	20728	20869	0.72	cps
Cobalt	59-2	33159	33466	33559	33395	0.63	cps
Copper	63-2	284172	285846	288620	286212	0.78	cps
Dysprosium	156-1	41210	43504	43123	42612	2.88	cps
Dysprosium	156-2	13574	14144	13801	13839	2.08	cps
Erbium	164-1	34314	35357	35521	35064	1.87	cps
Erbium	164-2	12252	12022	12036	12103	1.07	cps
Gadolinium	160-1	37770	39298	39481	38850	2.42	cps
Gadolinium	160-2	16370	15833	16353	16185	1.89	cps
Holmium	165-1	4137291	4235752	4263907	4212317	1.58	cps
Holmium	165-2	1387568	1376320	1388067	1383985	0.48	cps
Indium	115-1	3114604	3168839	3192870	3158771	1.27	cps
Indium	115-2	284918	285569	284713	285067	0.16	cps
Iron	54-2	2021915	2029737	2016552	2022735	0.33	cps
Iron	56-2	36646508	36901838	36859742	36802696	0.37	cps
Iron	57-2	887919	884468	895291	889226	0.62	cps
Krypton	83-1	103	73	97	91	17.29	cps
Lead	206-1	3218324	3279309	3259971	3252535	0.96	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-15	Instrumnet Name :	P8
Client Sample ID :	MH2H10	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:05:00	DataFile Name :	024AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2710642	2759236	2771121	2747000	1.17	cps
Lead	208-1	12560554	12734020	12766244	12686939	0.87	cps
Lithium	6-1	1179586	1204396	1206338	1196773	1.25	cps
Magnesium	24-2	1370596	1334101	1329118	1344605	1.68	cps
Manganese	55-2	995119	997319	996644	996361	0.11	cps
Molybdenum	94-1	12602	13216	13113	12977	2.53	cps
Molybdenum	95-1	10224	10007	10824	10352	4.09	cps
Molybdenum	96-1	12429	12512	12916	12619	2.06	cps
Molybdenum	97-1	6008	6161	6425	6198	3.40	cps
Molybdenum	98-1	15973	15886	16043	15967	0.49	cps
Neodymium	150-1	63928	65237	67076	65414	2.42	cps
Neodymium	150-2	16036	16100	15933	16023	0.53	cps
Nickel	60-2	30917	30005	30543	30488	1.50	cps
Phosphorus	31-2	1710	1677	1470	1619	8.03	cps
Potassium	39-2	131411	131253	130520	131061	0.36	cps
Rhodium	103-1	2783708	2861966	2868622	2838099	1.66	cps
Rhodium	103-2	1006272	1012073	1015968	1011437	0.48	cps
Scandium	45-1	1938544	2021953	2026668	1995722	2.48	cps
Scandium	45-2	32256	31471	32674	32134	1.90	cps
Selenium	82-1	93	170	67	110	48.77	cps
Selenium	77-2	60	90	47	66	33.85	cps
Selenium	78-2	37	33	27	32	15.80	cps
Silicon	28-1	9072136	9322291	9603058	9332495	2.85	cps
Silver	107-1	19921	21070	21093	20694	3.24	cps
Silver	109-1	19527	19791	20021	19780	1.25	cps
Sodium	23-2	130134	132003	131717	131285	0.77	cps
Strontium	86-1	552538	574321	583808	570222	2.81	cps
Strontium	88-1	5072691	5190973	5281020	5181561	2.02	cps
Sulfur	34-1	110914	111978	113789	112227	1.30	cps
Terbium	159-1	4177974	4287657	4317467	4261033	1.72	cps
Terbium	159-2	1311071	1316251	1323446	1316923	0.47	cps
Thallium	203-1	3944	3991	4097	4011	1.96	cps
Thallium	205-1	8973	9394	9734	9367	4.07	cps
Tin	118-1	216886	223961	227378	222742	2.40	cps
Titanium	47-1	109457	112046	114975	112160	2.46	cps
Uranium	238-1	54152	55725	55759	55212	1.66	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-15	Instrumnet Name :	P8
Client Sample ID :	MH2H10	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:05:00	DataFile Name :	024AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	51392	51362	51255	51336	0.14	cps
Ytterbium	172-1	9964	10711	10831	10502	4.47	cps
Ytterbium	172-2	4354	4304	4354	4337	0.67	cps
Ytterbium	176-1	6795	6925	7035	6919	1.74	cps
Ytterbium	176-2	2974	2847	2860	2894	2.41	cps
Yttrium	89-1	5840697	5915992	5979444	5912044	1.17	cps
Yttrium	89-2	372263	376326	376160	374917	0.61	cps
Zinc	66-2	277054	282558	283948	281187	1.30	cps
Zirconium	90-1	19147	20839	19934	19973	4.24	cps
Zirconium	91-1	4334	4524	4404	4421	2.17	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-16	Instrumnet Name :	P8
Client Sample ID :	MH2H11	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:08:19	DataFile Name :	025AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	289525	292118	289059	290234	0.57	cps
Antimony	121-1	9864	10264	10057	10062	1.99	cps
Arsenic	75-2	2930	3200	3007	3046	4.57	cps
Barium	135-1	823842	841335	854715	839964	1.84	cps
Barium	137-1	1428514	1458743	1467666	1451641	1.41	cps
Beryllium	9-1	3826	4049	3830	3902	3.27	cps
Bismuth	209-1	2683227	2729503	2724831	2712520	0.94	cps
Bismuth	209-2	996075	1002533	1001768	1000126	0.35	cps
Bromine	81-1	6265	6121	6025	6137	1.97	cps
Cadmium	108-1	1060	1157	1143	1120	4.68	cps
Cadmium	106-1	2907	2967	2944	2939	1.03	cps
Cadmium	111-1	15957	16429	16369	16252	1.58	cps
Calcium	43-1	1958641	1984566	1971771	1971659	0.66	cps
Calcium	44-1	31272823	32088660	32082225	31814569	1.47	cps
Carbon	12-1	1323671	1362887	1386674	1357744	2.34	cps
Carbon	12-2	9550	9383	9677	9537	1.54	cps
Chlorine	35-1	33058180	35534314	36481792	35024762	5.05	cps
Chlorine	35-2	132453	132362	133922	132912	0.66	cps
Chromium	52-2	24394	24681	24354	24477	0.73	cps
Cobalt	59-2	39097	39144	40116	39452	1.46	cps
Copper	63-2	396732	398331	399359	398140	0.33	cps
Dysprosium	156-1	49551	50662	51090	50435	1.57	cps
Dysprosium	156-2	15849	15843	15843	15845	0.02	cps
Erbium	164-1	41364	41464	42705	41844	1.78	cps
Erbium	164-2	13610	13887	13774	13757	1.01	cps
Gadolinium	160-1	44608	45902	45487	45332	1.46	cps
Gadolinium	160-2	18376	18857	18516	18583	1.33	cps
Holmium	165-1	4197716	4387143	4361798	4315552	2.38	cps
Holmium	165-2	1395712	1389859	1384960	1390177	0.39	cps
Indium	115-1	3172298	3197621	3306684	3225535	2.21	cps
Indium	115-2	287899	288445	288269	288204	0.10	cps
Iron	54-2	2470441	2485687	2490631	2482253	0.42	cps
Iron	56-2	44776648	44829284	45404789	45003574	0.77	cps
Iron	57-2	1090408	1085650	1089674	1088577	0.24	cps
Krypton	83-1	93	117	120	110	13.21	cps
Lead	206-1	5089419	5272887	5223154	5195153	1.83	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-16	Instrumnet Name :	P8
Client Sample ID :	MH2H11	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:08:19	DataFile Name :	025AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4473199	4544314	4528130	4515214	0.83	cps
Lead	208-1	20306927	20772306	20477480	20518904	1.15	cps
Lithium	6-1	1153414	1194662	1179121	1175733	1.77	cps
Magnesium	24-2	1043309	1056519	1050384	1050070	0.63	cps
Manganese	55-2	1435773	1448152	1443133	1442353	0.43	cps
Molybdenum	94-1	15045	15809	15702	15519	2.67	cps
Molybdenum	95-1	11104	11218	11568	11297	2.14	cps
Molybdenum	96-1	13834	14127	14301	14087	1.68	cps
Molybdenum	97-1	6642	7022	7295	6986	4.70	cps
Molybdenum	98-1	17575	18452	18596	18208	3.04	cps
Neodymium	150-1	73577	75953	76516	75349	2.07	cps
Neodymium	150-2	17558	18026	18383	17989	2.30	cps
Nickel	60-2	50118	50503	49700	50107	0.80	cps
Phosphorus	31-2	1640	1837	1560	1679	8.48	cps
Potassium	39-2	149161	147411	149882	148818	0.85	cps
Rhodium	103-1	2849262	2930700	2936539	2905500	1.68	cps
Rhodium	103-2	1019992	1027927	1024861	1024260	0.39	cps
Scandium	45-1	2026626	2062190	2056408	2048408	0.93	cps
Scandium	45-2	31955	32116	32280	32117	0.50	cps
Selenium	82-1	97	73	97	89	15.16	cps
Selenium	77-2	57	67	50	58	14.52	cps
Selenium	78-2	23	47	27	32	39.17	cps
Silicon	28-1	12281189	12602646	12685284	12523040	1.70	cps
Silver	107-1	27344	27928	28656	27976	2.35	cps
Silver	109-1	26786	26876	27371	27011	1.16	cps
Sodium	23-2	136696	138900	138833	138143	0.91	cps
Strontium	86-1	648507	662542	669528	660192	1.62	cps
Strontium	88-1	5891604	5896910	5974942	5921152	0.79	cps
Sulfur	34-1	118238	119272	121861	119790	1.56	cps
Terbium	159-1	4340351	4341112	4451122	4377528	1.46	cps
Terbium	159-2	1325899	1338711	1338563	1334391	0.55	cps
Thallium	203-1	4254	4391	4291	4312	1.64	cps
Thallium	205-1	10077	10294	10531	10301	2.20	cps
Tin	118-1	472565	484631	490356	482517	1.88	cps
Titanium	47-1	133446	137942	137992	136460	1.91	cps
Uranium	238-1	60457	61800	62094	61450	1.42	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-16	Instrumnet Name :	P8
Client Sample ID :	MH2H11	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:08:19	DataFile Name :	025AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	58984	59269	58439	58897	0.72	cps
Ytterbium	172-1	12029	12923	12893	12615	4.03	cps
Ytterbium	172-2	4824	5218	4818	4953	4.63	cps
Ytterbium	176-1	8246	8173	8133	8184	0.70	cps
Ytterbium	176-2	3220	3340	3250	3270	1.91	cps
Yttrium	89-1	6089738	6140214	6290244	6173398	1.69	cps
Yttrium	89-2	384255	384853	386751	385286	0.34	cps
Zinc	66-2	381185	384439	380327	381984	0.57	cps
Zirconium	90-1	24181	24829	24608	24539	1.34	cps
Zirconium	91-1	5358	5531	5374	5421	1.76	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-17	Instrumnet Name :	P8
Client Sample ID :	MH2H12	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:11:36	DataFile Name :	026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	107507	107046	106214	106922	0.61	cps
Antimony	121-1	5328	5451	5451	5410	1.32	cps
Arsenic	75-2	933	937	950	940	0.94	cps
Barium	135-1	330350	333146	333639	332379	0.53	cps
Barium	137-1	578513	580851	581382	580248	0.26	cps
Beryllium	9-1	1877	1874	1866	1872	0.31	cps
Bismuth	209-1	2394819	2446644	2382935	2408133	1.41	cps
Bismuth	209-2	880241	874245	879481	877989	0.37	cps
Bromine	81-1	4207	4251	4021	4160	2.94	cps
Cadmium	108-1	250	287	317	284	11.74	cps
Cadmium	106-1	1607	1710	1690	1669	3.28	cps
Cadmium	111-1	3803	3737	3578	3706	3.12	cps
Calcium	43-1	6338680	6315171	6346726	6333526	0.26	cps
Calcium	44-1	103575635	103537315	103867552	103660167	0.17	cps
Carbon	12-1	1743969	1829850	1847244	1807021	3.06	cps
Carbon	12-2	13289	13600	13233	13374	1.48	cps
Chlorine	35-1	32137779	34010220	34449827	33532609	3.66	cps
Chlorine	35-2	124688	124913	126507	125369	0.79	cps
Chromium	52-2	48920	48264	46833	48006	2.22	cps
Cobalt	59-2	22561	21606	21887	22018	2.23	cps
Copper	63-2	81133	81244	81428	81268	0.18	cps
Dysprosium	156-1	21103	20489	20926	20840	1.52	cps
Dysprosium	156-2	6518	6508	6518	6515	0.09	cps
Erbium	164-1	16917	17231	16534	16894	2.07	cps
Erbium	164-2	5331	5511	5448	5430	1.68	cps
Gadolinium	160-1	18693	18677	18917	18762	0.72	cps
Gadolinium	160-2	7512	7526	7596	7544	0.59	cps
Holmium	165-1	4025405	4134279	4078391	4079359	1.33	cps
Holmium	165-2	1306018	1302648	1304170	1304279	0.13	cps
Indium	115-1	2971116	3009434	2973970	2984840	0.72	cps
Indium	115-2	264962	263329	265736	264676	0.46	cps
Iron	54-2	925884	926258	920511	924218	0.35	cps
Iron	56-2	17848673	17762479	17891451	17834201	0.37	cps
Iron	57-2	430276	430720	429612	430203	0.13	cps
Krypton	83-1	77	97	73	82	15.35	cps
Lead	206-1	756731	759636	759720	758696	0.22	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-17	Instrumnet Name :	P8
Client Sample ID :	MH2H12	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:11:36	DataFile Name :	026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	626569	635311	630724	630868	0.69	cps
Lead	208-1	2943888	2950447	2943709	2946015	0.13	cps
Lithium	6-1	1126424	1150102	1159059	1145195	1.47	cps
Magnesium	24-2	10936131	10887040	10873492	10898888	0.30	cps
Manganese	55-2	919950	925345	922222	922506	0.29	cps
Molybdenum	94-1	9490	9293	9593	9459	1.61	cps
Molybdenum	95-1	7676	7275	7749	7567	3.37	cps
Molybdenum	96-1	9140	9190	9013	9114	1.00	cps
Molybdenum	97-1	4681	4541	4621	4614	1.52	cps
Molybdenum	98-1	12115	11572	11912	11866	2.32	cps
Neodymium	150-1	30865	31460	31467	31264	1.10	cps
Neodymium	150-2	7509	7455	7469	7478	0.37	cps
Nickel	60-2	14191	14097	13837	14041	1.31	cps
Phosphorus	31-2	1590	1703	1610	1635	3.70	cps
Potassium	39-2	75261	74996	74765	75008	0.33	cps
Rhodium	103-1	2678530	2683726	2661481	2674579	0.44	cps
Rhodium	103-2	925400	910527	921435	919121	0.84	cps
Scandium	45-1	1909956	1932046	1956414	1932805	1.20	cps
Scandium	45-2	30572	30175	29504	30084	1.80	cps
Selenium	82-1	83	57	60	67	21.79	cps
Selenium	77-2	10	20	37	22	60.63	cps
Selenium	78-2	17	17	30	21	36.45	cps
Silicon	28-1	15255744	15427225	15414327	15365765	0.62	cps
Silver	107-1	3864	3894	3834	3864	0.78	cps
Silver	109-1	3831	3627	3704	3721	2.76	cps
Sodium	23-2	72737	72040	72110	72296	0.53	cps
Strontium	86-1	361373	362284	363125	362261	0.24	cps
Strontium	88-1	3285579	3306155	3305771	3299168	0.36	cps
Sulfur	34-1	107985	107465	107874	107775	0.25	cps
Terbium	159-1	4139497	4205263	4139171	4161310	0.91	cps
Terbium	159-2	1262235	1240869	1247172	1250092	0.88	cps
Thallium	203-1	1067	1067	1183	1106	6.09	cps
Thallium	205-1	2740	2764	2837	2780	1.81	cps
Tin	118-1	13660	14004	13994	13886	1.41	cps
Titanium	47-1	110605	110937	110084	110542	0.39	cps
Uranium	238-1	38488	38930	37947	38455	1.28	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-17	Instrumnet Name :	P8
Client Sample ID :	MH2H12	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:11:36	DataFile Name :	026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	23329	23590	23262	23394	0.74	cps
Ytterbium	172-1	4914	5048	4948	4970	1.40	cps
Ytterbium	172-2	1813	2020	1877	1903	5.56	cps
Ytterbium	176-1	3524	3577	3407	3503	2.48	cps
Ytterbium	176-2	1317	1363	1213	1298	5.92	cps
Yttrium	89-1	5499619	5598959	5521806	5540128	0.94	cps
Yttrium	89-2	340495	338735	339695	339642	0.26	cps
Zinc	66-2	96609	95522	96629	96254	0.66	cps
Zirconium	90-1	14004	14187	14067	14086	0.66	cps
Zirconium	91-1	3140	3247	3290	3226	2.39	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-18	Instrumnet Name :	P8
Client Sample ID :	MH2H13	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:14:59	DataFile Name :	027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	238849	239780	234699	237776	1.14	cps
Antimony	121-1	11485	11692	11708	11628	1.07	cps
Arsenic	75-2	2877	2837	2890	2868	0.97	cps
Barium	135-1	743543	766638	774909	761697	2.13	cps
Barium	137-1	1293447	1326045	1338656	1319383	1.77	cps
Beryllium	9-1	3402	3450	3561	3471	2.35	cps
Bismuth	209-1	2558937	2562111	2576840	2565962	0.37	cps
Bismuth	209-2	933446	930731	931938	932038	0.15	cps
Bromine	81-1	5831	6468	6522	6274	6.12	cps
Cadmium	108-1	880	900	997	926	6.74	cps
Cadmium	106-1	2657	2707	2744	2703	1.61	cps
Cadmium	111-1	12919	13634	13675	13409	3.17	cps
Calcium	43-1	3151789	3268997	3296166	3238984	2.37	cps
Calcium	44-1	51619844	53131868	53940423	52897378	2.23	cps
Carbon	12-1	2374608	2574503	2609870	2519660	5.03	cps
Carbon	12-2	18675	18285	18265	18408	1.26	cps
Chlorine	35-1	31066742	33737429	34662647	33155606	5.63	cps
Chlorine	35-2	127451	127307	127990	127583	0.28	cps
Chromium	52-2	42854	41904	42115	42291	1.18	cps
Cobalt	59-2	34358	34151	35113	34541	1.47	cps
Copper	63-2	305217	308803	306135	306718	0.61	cps
Dysprosium	156-1	37643	38796	38766	38402	1.71	cps
Dysprosium	156-2	12146	12172	12162	12160	0.11	cps
Erbium	164-1	31397	32303	32857	32186	2.29	cps
Erbium	164-2	10754	10568	10571	10631	1.01	cps
Gadolinium	160-1	34077	35019	35821	34972	2.50	cps
Gadolinium	160-2	13967	14284	14301	14184	1.33	cps
Holmium	165-1	4147080	4147742	4210554	4168459	0.87	cps
Holmium	165-2	1338492	1348394	1339869	1342252	0.40	cps
Indium	115-1	3032873	3127762	3145152	3101929	1.95	cps
Indium	115-2	275539	275861	273168	274856	0.54	cps
Iron	54-2	2290493	2250699	2290952	2277381	1.01	cps
Iron	56-2	41892724	41305476	41653643	41617281	0.71	cps
Iron	57-2	998084	999892	1004258	1000745	0.32	cps
Krypton	83-1	100	93	80	91	11.18	cps
Lead	206-1	3548669	3637472	3738491	3641544	2.61	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-18	Instrumnet Name :	P8
Client Sample ID :	MH2H13	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:14:59	DataFile Name :	027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2993979	3056963	3062604	3037849	1.25	cps
Lead	208-1	13768865	14091477	14329794	14063379	2.00	cps
Lithium	6-1	1132222	1172313	1195269	1166601	2.74	cps
Magnesium	24-2	3910550	3878689	3849173	3879471	0.79	cps
Manganese	55-2	1248674	1238323	1246274	1244424	0.44	cps
Molybdenum	94-1	15185	15916	15782	15628	2.49	cps
Molybdenum	95-1	9970	10641	10501	10371	3.41	cps
Molybdenum	96-1	13063	13947	13357	13455	3.35	cps
Molybdenum	97-1	6585	6618	6745	6649	1.27	cps
Molybdenum	98-1	16450	17091	17081	16874	2.18	cps
Neodymium	150-1	56394	57606	57623	57208	1.23	cps
Neodymium	150-2	14024	13767	13901	13897	0.92	cps
Nickel	60-2	31522	31565	30840	31309	1.30	cps
Phosphorus	31-2	2094	1927	1957	1992	4.46	cps
Potassium	39-2	131593	130779	131146	131173	0.31	cps
Rhodium	103-1	2754807	2771126	2800027	2775320	0.83	cps
Rhodium	103-2	972423	975259	967763	971815	0.39	cps
Scandium	45-1	1933492	1918320	1992143	1947985	2.00	cps
Scandium	45-2	31334	31378	31291	31334	0.14	cps
Selenium	82-1	77	93	173	114	45.15	cps
Selenium	77-2	40	67	47	51	27.15	cps
Selenium	78-2	33	37	43	38	13.48	cps
Silicon	28-1	13700465	14265263	14329539	14098422	2.46	cps
Silver	107-1	20028	21190	21567	20928	3.83	cps
Silver	109-1	19934	20188	20459	20194	1.30	cps
Sodium	23-2	107723	109080	108412	108405	0.63	cps
Strontium	86-1	665955	687904	697411	683757	2.36	cps
Strontium	88-1	6047500	6288503	6365833	6233945	2.66	cps
Sulfur	34-1	116067	120002	119568	118546	1.82	cps
Terbium	159-1	4189760	4239606	4233496	4220954	0.64	cps
Terbium	159-2	1288493	1284159	1288636	1287096	0.20	cps
Thallium	203-1	3134	2980	3020	3045	2.61	cps
Thallium	205-1	6955	6975	6975	6969	0.17	cps
Tin	118-1	42766	44552	45074	44131	2.74	cps
Titanium	47-1	165209	170750	173336	169765	2.45	cps
Uranium	238-1	72134	74930	74400	73822	2.01	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-18	Instrumnet Name :	P8
Client Sample ID :	MH2H13	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:14:59	DataFile Name :	027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	50749	50499	51001	50750	0.49	cps
Ytterbium	172-1	9450	10191	10367	10003	4.87	cps
Ytterbium	172-2	4151	3997	4047	4065	1.92	cps
Ytterbium	176-1	6652	6385	6772	6603	3.00	cps
Ytterbium	176-2	2550	2690	2567	2603	2.94	cps
Yttrium	89-1	5753726	5835270	5931353	5840116	1.52	cps
Yttrium	89-2	362950	364634	360097	362560	0.63	cps
Zinc	66-2	354740	356107	358194	356347	0.49	cps
Zirconium	90-1	25634	26118	26452	26068	1.58	cps
Zirconium	91-1	5848	5875	6018	5914	1.55	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-19	Instrumnet Name :	P8
Client Sample ID :	MH2H14	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:18:16	DataFile Name :	028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	280390	281461	281228	281026	0.20	cps
Antimony	121-1	11051	11191	11208	11150	0.77	cps
Arsenic	75-2	3504	3651	3591	3582	2.06	cps
Barium	135-1	897934	924957	923064	915319	1.65	cps
Barium	137-1	1664380	1732482	1712095	1702986	2.05	cps
Beryllium	9-1	3661	3829	3850	3780	2.74	cps
Bismuth	209-1	2597596	2682126	2607173	2628965	1.76	cps
Bismuth	209-2	960925	969017	972801	967581	0.63	cps
Bromine	81-1	5264	5588	6068	5640	7.17	cps
Cadmium	108-1	1320	1310	1293	1308	1.03	cps
Cadmium	106-1	3120	3260	3254	3212	2.46	cps
Cadmium	111-1	18368	19604	20158	19377	4.73	cps
Calcium	43-1	1838346	1912881	1906539	1885922	2.19	cps
Calcium	44-1	29628260	30459046	31039757	30375688	2.34	cps
Carbon	12-1	1525317	1647259	1610273	1594283	3.92	cps
Carbon	12-2	11241	11238	11078	11185	0.84	cps
Chlorine	35-1	30937251	33625585	34479290	33014042	5.60	cps
Chlorine	35-2	125549	125003	127179	125910	0.90	cps
Chromium	52-2	23660	24705	24040	24135	2.19	cps
Cobalt	59-2	41992	41163	41407	41520	1.03	cps
Copper	63-2	403782	405498	406820	405367	0.38	cps
Dysprosium	156-1	46641	46868	48414	47308	2.04	cps
Dysprosium	156-2	15339	15069	15255	15221	0.91	cps
Erbium	164-1	38198	39843	40468	39503	2.97	cps
Erbium	164-2	13213	13604	13283	13367	1.56	cps
Gadolinium	160-1	42086	43818	44624	43510	2.98	cps
Gadolinium	160-2	18132	17729	17732	17864	1.30	cps
Holmium	165-1	4095178	4240325	4272025	4202509	2.24	cps
Holmium	165-2	1352978	1367542	1370227	1363582	0.68	cps
Indium	115-1	3098723	3188629	3152807	3146720	1.44	cps
Indium	115-2	279412	283667	280524	281201	0.78	cps
Iron	54-2	2449174	2454340	2497049	2466855	1.07	cps
Iron	56-2	45423863	45105249	45536599	45355237	0.49	cps
Iron	57-2	1093702	1093948	1097776	1095142	0.21	cps
Krypton	83-1	87	113	97	99	13.62	cps
Lead	206-1	4079085	4152937	4172334	4134786	1.19	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-19	Instrumnet Name :	P8
Client Sample ID :	MH2H14	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:18:16	DataFile Name :	028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3408221	3437146	3485989	3443785	1.14	cps
Lead	208-1	15793184	16036124	16080449	15969919	0.97	cps
Lithium	6-1	1142780	1161131	1157321	1153744	0.84	cps
Magnesium	24-2	803578	803832	806063	804491	0.17	cps
Manganese	55-2	1289843	1288874	1304387	1294368	0.67	cps
Molybdenum	94-1	15242	16263	16086	15864	3.44	cps
Molybdenum	95-1	10404	10721	10721	10615	1.72	cps
Molybdenum	96-1	13336	13460	13690	13496	1.33	cps
Molybdenum	97-1	6672	6475	6468	6538	1.77	cps
Molybdenum	98-1	17124	17187	17464	17259	1.05	cps
Neodymium	150-1	70166	73383	73292	72280	2.53	cps
Neodymium	150-2	17715	17578	17805	17700	0.65	cps
Nickel	60-2	36814	36851	36634	36766	0.32	cps
Phosphorus	31-2	1657	1727	1803	1729	4.24	cps
Potassium	39-2	151859	153452	154089	153133	0.75	cps
Rhodium	103-1	2815790	2848636	2853189	2839205	0.72	cps
Rhodium	103-2	990484	1001037	990559	994026	0.61	cps
Scandium	45-1	1927906	1998908	1985716	1970843	1.92	cps
Scandium	45-2	30699	31401	31952	31351	2.00	cps
Selenium	82-1	97	97	110	101	7.61	cps
Selenium	77-2	83	47	33	54	47.55	cps
Selenium	78-2	23	43	20	29	43.68	cps
Silicon	28-1	11602594	12315390	12121176	12013054	3.07	cps
Silver	107-1	33427	33988	33982	33799	0.95	cps
Silver	109-1	31680	33023	32983	32562	2.35	cps
Sodium	23-2	127820	128731	129482	128678	0.65	cps
Strontium	86-1	688144	715083	720630	707952	2.45	cps
Strontium	88-1	6200609	6451491	6450673	6367591	2.27	cps
Sulfur	34-1	111441	115737	114467	113882	1.94	cps
Terbium	159-1	4210232	4310740	4254529	4258500	1.18	cps
Terbium	159-2	1290472	1302593	1294493	1295853	0.48	cps
Thallium	203-1	3874	4014	4067	3985	2.51	cps
Thallium	205-1	9353	9684	9884	9640	2.78	cps
Tin	118-1	50091	51085	51015	50730	1.09	cps
Titanium	47-1	139542	144239	144098	142626	1.87	cps
Uranium	238-1	65260	65525	66507	65764	1.00	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-19	Instrumnet Name :	P8
Client Sample ID :	MH2H14	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:18:16	DataFile Name :	028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	57150	57515	57137	57267	0.37	cps
Ytterbium	172-1	11662	12269	12326	12086	3.05	cps
Ytterbium	172-2	4668	4878	4938	4828	2.94	cps
Ytterbium	176-1	7552	8056	7792	7800	3.23	cps
Ytterbium	176-2	3100	3324	3124	3183	3.86	cps
Yttrium	89-1	5851240	5938327	5968474	5919347	1.03	cps
Yttrium	89-2	369316	373895	372389	371867	0.63	cps
Zinc	66-2	422603	416653	417947	419068	0.75	cps
Zirconium	90-1	25517	27317	27050	26628	3.65	cps
Zirconium	91-1	5691	6025	6078	5931	3.53	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-20	Instrumnet Name :	P8
Client Sample ID :	MH2H15	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:21:34	DataFile Name :	029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	243856	241608	241440	242301	0.56	cps
Antimony	121-1	10374	10634	10454	10487	1.27	cps
Arsenic	75-2	3054	2924	2794	2924	4.45	cps
Barium	135-1	786855	799865	803965	796895	1.12	cps
Barium	137-1	1359586	1397924	1401889	1386466	1.69	cps
Beryllium	9-1	2944	3030	2941	2972	1.70	cps
Bismuth	209-1	2688224	2670888	2681736	2680283	0.33	cps
Bismuth	209-2	974989	983596	985217	981267	0.56	cps
Bromine	81-1	4978	5444	5651	5358	6.44	cps
Cadmium	108-1	943	1070	957	990	7.03	cps
Cadmium	106-1	2690	2620	2494	2601	3.83	cps
Cadmium	111-1	13382	14255	13879	13838	3.17	cps
Calcium	43-1	1333346	1340310	1383043	1352233	1.99	cps
Calcium	44-1	21414428	21684266	22109856	21736183	1.61	cps
Carbon	12-1	1181865	1240309	1245628	1222601	2.89	cps
Carbon	12-2	8473	8506	8169	8382	2.21	cps
Chlorine	35-1	31603915	33474567	34143512	33073998	3.98	cps
Chlorine	35-2	123827	124607	124792	124409	0.41	cps
Chromium	52-2	22044	22030	22214	22096	0.46	cps
Cobalt	59-2	34929	34589	35434	34984	1.22	cps
Copper	63-2	322956	324230	325097	324094	0.33	cps
Dysprosium	156-1	45106	47219	46999	46441	2.50	cps
Dysprosium	156-2	14802	15152	15402	15119	2.00	cps
Erbium	164-1	37687	38680	38589	38318	1.43	cps
Erbium	164-2	12443	12649	12813	12635	1.47	cps
Gadolinium	160-1	41558	42855	42972	42462	1.85	cps
Gadolinium	160-2	17398	16660	17218	17092	2.25	cps
Holmium	165-1	4319079	4229856	4259536	4269490	1.06	cps
Holmium	165-2	1358038	1363468	1378865	1366790	0.79	cps
Indium	115-1	3220867	3200709	3208974	3210184	0.32	cps
Indium	115-2	282039	283697	285063	283600	0.53	cps
Iron	54-2	2029214	2023937	2026438	2026530	0.13	cps
Iron	56-2	36390206	36773425	36814479	36659370	0.64	cps
Iron	57-2	883902	884033	895093	887676	0.72	cps
Krypton	83-1	93	83	80	86	8.11	cps
Lead	206-1	2964329	3000704	3053073	3006035	1.48	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-20	Instrumnet Name :	P8
Client Sample ID :	MH2H15	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:21:34	DataFile Name :	029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2502591	2509341	2567093	2526342	1.40	cps
Lead	208-1	11537575	11689655	11891697	11706309	1.52	cps
Lithium	6-1	1173252	1186235	1173603	1177697	0.63	cps
Magnesium	24-2	630121	631003	628917	630014	0.17	cps
Manganese	55-2	952584	952173	956557	953771	0.25	cps
Molybdenum	94-1	12949	12669	13040	12886	1.50	cps
Molybdenum	95-1	9940	10441	10664	10348	3.58	cps
Molybdenum	96-1	12396	12586	12893	12625	1.99	cps
Molybdenum	97-1	6265	6201	6211	6226	0.55	cps
Molybdenum	98-1	16166	16727	16577	16490	1.76	cps
Neodymium	150-1	69395	71713	72642	71250	2.35	cps
Neodymium	150-2	17094	17124	17234	17151	0.43	cps
Nickel	60-2	35624	35417	36126	35723	1.02	cps
Phosphorus	31-2	1643	1603	1583	1610	1.90	cps
Potassium	39-2	134261	135058	133944	134421	0.43	cps
Rhodium	103-1	2907221	2903884	2910436	2907180	0.11	cps
Rhodium	103-2	1002915	1005882	1008891	1005896	0.30	cps
Scandium	45-1	1990796	1973786	2040394	2001659	1.73	cps
Scandium	45-2	31027	31648	31017	31231	1.16	cps
Selenium	82-1	93	120	93	102	15.06	cps
Selenium	77-2	50	50	40	47	12.37	cps
Selenium	78-2	30	27	43	33	26.45	cps
Silicon	28-1	7776838	7876419	7889114	7847457	0.78	cps
Silver	107-1	23781	24448	24068	24099	1.39	cps
Silver	109-1	22769	22909	23417	23032	1.48	cps
Sodium	23-2	119302	117864	119978	119048	0.91	cps
Strontium	86-1	514116	522942	526254	521104	1.20	cps
Strontium	88-1	4630936	4739156	4774400	4714831	1.59	cps
Sulfur	34-1	105319	107975	108237	107177	1.51	cps
Terbium	159-1	4297757	4386897	4327132	4337262	1.05	cps
Terbium	159-2	1300085	1308119	1325590	1311265	0.99	cps
Thallium	203-1	4084	4214	4094	4131	1.75	cps
Thallium	205-1	10081	10378	9967	10142	2.09	cps
Tin	118-1	42075	43482	43118	42891	1.70	cps
Titanium	47-1	100307	101888	104372	102189	2.01	cps
Uranium	238-1	51668	52997	52063	52243	1.31	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-20	Instrumnet Name :	P8
Client Sample ID :	MH2H15	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:21:34	DataFile Name :	029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	52897	52703	52609	52737	0.28	cps
Ytterbium	172-1	10875	11328	11475	11226	2.79	cps
Ytterbium	172-2	4574	4808	4404	4595	4.41	cps
Ytterbium	176-1	7422	7412	7302	7379	0.90	cps
Ytterbium	176-2	2827	2784	2944	2851	2.90	cps
Yttrium	89-1	6017733	6002816	6097238	6039262	0.84	cps
Yttrium	89-2	371225	372748	372185	372053	0.21	cps
Zinc	66-2	293825	299431	300151	297802	1.16	cps
Zirconium	90-1	18269	19554	19300	19041	3.57	cps
Zirconium	91-1	3994	4367	4334	4232	4.88	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-21	Instrumnet Name :	P8
Client Sample ID :	MH2H16	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:24:50	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	75143	76024	76500	75889	0.91	cps
Antimony	121-1	3971	4127	3687	3928	5.68	cps
Arsenic	75-2	730	643	633	669	7.95	cps
Barium	135-1	249680	252718	251883	251427	0.62	cps
Barium	137-1	435659	437396	435257	436104	0.26	cps
Beryllium	9-1	1384	1415	1315	1371	3.73	cps
Bismuth	209-1	2333666	2375686	2386658	2365336	1.18	cps
Bismuth	209-2	858922	854451	865767	859713	0.66	cps
Bromine	81-1	4237	4307	4371	4305	1.55	cps
Cadmium	108-1	243	247	240	243	1.37	cps
Cadmium	106-1	1447	1567	1537	1517	4.12	cps
Cadmium	111-1	3033	2961	2805	2933	3.98	cps
Calcium	43-1	6468194	6460233	6424627	6451018	0.36	cps
Calcium	44-1	105466312	104575558	105411695	105151188	0.47	cps
Carbon	12-1	1604756	1662431	1662886	1643358	2.03	cps
Carbon	12-2	12125	12018	11848	11997	1.16	cps
Chlorine	35-1	31541538	32483664	33215660	32413620	2.59	cps
Chlorine	35-2	120405	119286	119226	119639	0.56	cps
Chromium	52-2	39394	39203	39458	39352	0.34	cps
Cobalt	59-2	15992	16273	16296	16187	1.04	cps
Copper	63-2	56850	57111	56010	56657	1.02	cps
Dysprosium	156-1	17001	16921	17044	16989	0.37	cps
Dysprosium	156-2	4784	5241	5378	5134	6.05	cps
Erbium	164-1	13520	13407	13841	13589	1.66	cps
Erbium	164-2	4444	4631	4484	4520	2.18	cps
Gadolinium	160-1	14945	15940	15212	15366	3.35	cps
Gadolinium	160-2	5931	6088	6208	6076	2.28	cps
Holmium	165-1	3999233	4082322	4047959	4043171	1.03	cps
Holmium	165-2	1290428	1285974	1290621	1289008	0.20	cps
Indium	115-1	2924001	2992412	2960331	2958914	1.16	cps
Indium	115-2	258785	258835	259450	259023	0.14	cps
Iron	54-2	641406	637781	641441	640210	0.33	cps
Iron	56-2	12429021	12381145	12289280	12366482	0.57	cps
Iron	57-2	300643	299118	300420	300060	0.27	cps
Krypton	83-1	97	110	80	96	15.73	cps
Lead	206-1	484567	484356	485314	484746	0.10	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-21	Instrumnet Name :	P8
Client Sample ID :	MH2H16	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:24:50	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	402061	404130	402535	402909	0.27	cps
Lead	208-1	1871054	1877064	1874903	1874340	0.16	cps
Lithium	6-1	1094268	1119583	1123931	1112594	1.44	cps
Magnesium	24-2	11344055	11140998	11200527	11228527	0.93	cps
Manganese	55-2	824563	821091	818913	821522	0.35	cps
Molybdenum	94-1	8042	7739	8102	7961	2.45	cps
Molybdenum	95-1	5735	6105	5588	5809	4.59	cps
Molybdenum	96-1	7309	7419	7562	7430	1.71	cps
Molybdenum	97-1	3701	3714	3677	3697	0.50	cps
Molybdenum	98-1	9203	9477	9307	9329	1.48	cps
Neodymium	150-1	25835	25634	25160	25543	1.36	cps
Neodymium	150-2	5915	6085	5638	5879	3.84	cps
Nickel	60-2	9927	9890	9984	9934	0.47	cps
Phosphorus	31-2	1540	1557	1463	1520	3.28	cps
Potassium	39-2	72732	72062	72397	72397	0.46	cps
Rhodium	103-1	2609101	2598638	2649768	2619169	1.03	cps
Rhodium	103-2	902857	902300	910327	905161	0.50	cps
Scandium	45-1	1843965	1830800	1841003	1838589	0.38	cps
Scandium	45-2	29948	28492	29377	29272	2.51	cps
Selenium	82-1	47	37	37	40	14.43	cps
Selenium	77-2	20	17	10	16	32.73	cps
Selenium	78-2	3	10	7	7	50.03	cps
Silicon	28-1	10863557	10773436	10810719	10815904	0.42	cps
Silver	107-1	2810	2754	2657	2740	2.83	cps
Silver	109-1	2574	2767	2577	2639	4.19	cps
Sodium	23-2	77303	77467	78275	77682	0.67	cps
Strontium	86-1	297543	295231	293720	295498	0.65	cps
Strontium	88-1	2730581	2726410	2690197	2715729	0.82	cps
Sulfur	34-1	102298	103446	103903	103215	0.80	cps
Terbium	159-1	4057810	4104574	4137811	4100065	0.98	cps
Terbium	159-2	1231912	1225108	1235428	1230816	0.43	cps
Thallium	203-1	847	873	863	861	1.56	cps
Thallium	205-1	2017	2107	2120	2081	2.70	cps
Tin	118-1	16603	16430	16039	16358	1.77	cps
Titanium	47-1	81778	81080	80899	81253	0.57	cps
Uranium	238-1	31155	31209	30694	31019	0.91	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-21	Instrumnet Name :	P8
Client Sample ID :	MH2H16	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:24:50	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	18555	19190	17961	18569	3.31	cps
Ytterbium	172-1	4277	4121	3854	4084	5.24	cps
Ytterbium	172-2	1550	1530	1533	1538	0.70	cps
Ytterbium	176-1	2777	2870	3010	2886	4.07	cps
Ytterbium	176-2	1103	1147	1107	1119	2.16	cps
Yttrium	89-1	5260907	5405394	5396102	5354134	1.51	cps
Yttrium	89-2	329098	325878	330701	328559	0.75	cps
Zinc	66-2	68491	69579	68698	68923	0.84	cps
Zirconium	90-1	13890	13356	13146	13464	2.85	cps
Zirconium	91-1	2757	2787	2877	2807	2.23	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-22	Instrumnet Name :	P8
Client Sample ID :	MH2H27	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:28:11	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	184544	187643	185255	185814	0.87	cps
Antimony	121-1	4644	4801	4467	4637	3.60	cps
Arsenic	75-2	1233	1287	1240	1253	2.32	cps
Barium	135-1	523101	521419	512655	519058	1.08	cps
Barium	137-1	914826	922995	892305	910042	1.75	cps
Beryllium	9-1	1594	1617	1635	1615	1.28	cps
Bismuth	209-1	2546502	2549262	2420685	2505483	2.93	cps
Bismuth	209-2	904752	921812	912692	913085	0.93	cps
Bromine	81-1	4671	4981	5161	4938	5.02	cps
Cadmium	108-1	253	230	257	247	5.89	cps
Cadmium	106-1	1617	1660	1657	1645	1.47	cps
Cadmium	111-1	4028	4028	3960	4006	0.98	cps
Calcium	43-1	1613223	1633667	1572452	1606448	1.94	cps
Calcium	44-1	25767081	26448335	25463942	25893119	1.95	cps
Carbon	12-1	819029	847541	837020	834530	1.73	cps
Carbon	12-2	6021	6118	5841	5993	2.34	cps
Chlorine	35-1	31578006	33049665	32919787	32515820	2.51	cps
Chlorine	35-2	121206	124702	124479	123462	1.59	cps
Chromium	52-2	15041	14985	15158	15061	0.59	cps
Cobalt	59-2	20635	20652	20955	20747	0.87	cps
Copper	63-2	78394	79330	80004	79243	1.02	cps
Dysprosium	156-1	42190	41507	40618	41438	1.90	cps
Dysprosium	156-2	12613	13143	12830	12862	2.07	cps
Erbium	164-1	34886	35267	34107	34753	1.70	cps
Erbium	164-2	11679	11225	11278	11394	2.18	cps
Gadolinium	160-1	37867	37529	37613	37670	0.47	cps
Gadolinium	160-2	15205	15142	15262	15203	0.40	cps
Holmium	165-1	4111487	4062927	3910195	4028203	2.61	cps
Holmium	165-2	1274290	1289472	1280026	1281263	0.60	cps
Indium	115-1	3072238	3115742	2944423	3044134	2.93	cps
Indium	115-2	261999	268089	265311	265133	1.15	cps
Iron	54-2	1024961	1038809	1039774	1034515	0.80	cps
Iron	56-2	19899391	20110492	20008414	20006099	0.53	cps
Iron	57-2	478176	491503	482698	484125	1.40	cps
Krypton	83-1	87	73	93	84	12.06	cps
Lead	206-1	527402	524713	509463	520526	1.86	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-22	Instrumnet Name :	P8
Client Sample ID :	MH2H27	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:28:11	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	442044	442491	430003	438179	1.62	cps
Lead	208-1	2063507	2056525	1997676	2039236	1.77	cps
Lithium	6-1	1106424	1112881	1067336	1095547	2.25	cps
Magnesium	24-2	433612	442381	440271	438755	1.04	cps
Manganese	55-2	304849	308485	306092	306475	0.60	cps
Molybdenum	94-1	8783	8483	8476	8581	2.04	cps
Molybdenum	95-1	7149	7732	7179	7353	4.47	cps
Molybdenum	96-1	8810	8689	8609	8703	1.16	cps
Molybdenum	97-1	4801	4387	4074	4421	8.25	cps
Molybdenum	98-1	12175	11612	11828	11872	2.40	cps
Neodymium	150-1	64725	62729	61795	63083	2.37	cps
Neodymium	150-2	14848	15352	15182	15128	1.69	cps
Nickel	60-2	30646	31364	30720	30910	1.28	cps
Phosphorus	31-2	1593	1540	1530	1555	2.19	cps
Potassium	39-2	114990	118162	118027	117060	1.53	cps
Rhodium	103-1	2750392	2759777	2647873	2719348	2.28	cps
Rhodium	103-2	935768	955320	947214	946101	1.04	cps
Scandium	45-1	1841612	1906492	1816737	1854947	2.50	cps
Scandium	45-2	28615	29517	29033	29055	1.55	cps
Selenium	82-1	77	127	77	93	30.93	cps
Selenium	77-2	30	53	43	42	27.72	cps
Selenium	78-2	23	17	43	28	49.95	cps
Silicon	28-1	7151192	7244527	7015027	7136915	1.62	cps
Silver	107-1	4297	4557	4437	4431	2.94	cps
Silver	109-1	4237	4204	4364	4268	1.98	cps
Sodium	23-2	51788	53233	53852	52958	2.00	cps
Strontium	86-1	429909	432826	423515	428750	1.11	cps
Strontium	88-1	3945108	3906376	3783388	3878290	2.18	cps
Sulfur	34-1	101240	101052	100827	101040	0.20	cps
Terbium	159-1	4098699	4174837	4012824	4095453	1.98	cps
Terbium	159-2	1221630	1235019	1232840	1229830	0.58	cps
Thallium	203-1	2527	2547	2457	2510	1.88	cps
Thallium	205-1	6572	6312	6121	6335	3.57	cps
Tin	118-1	14965	15412	14851	15076	1.97	cps
Titanium	47-1	96801	98801	95992	97198	1.49	cps
Uranium	238-1	44344	43879	42180	43468	2.62	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1178-22	Instrumnet Name :	P8
Client Sample ID :	MH2H27	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:28:11	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	45191	46284	45896	45791	1.21	cps
Ytterbium	172-1	10134	10431	9994	10186	2.19	cps
Ytterbium	172-2	3954	4161	3984	4033	2.77	cps
Ytterbium	176-1	6765	6768	6535	6690	2.00	cps
Ytterbium	176-2	2597	2757	2574	2643	3.78	cps
Yttrium	89-1	5697756	5683710	5411200	5597555	2.89	cps
Yttrium	89-2	341877	348583	347456	345972	1.04	cps
Zinc	66-2	49750	49345	49780	49625	0.49	cps
Zirconium	90-1	11848	12673	11835	12119	3.96	cps
Zirconium	91-1	2654	2494	2664	2604	3.66	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-04	Instrumnet Name :	P8
Client Sample ID :	MH2GX2	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:31:32	DataFile Name :	032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	338540	336875	338705	338040	0.30	cps
Antimony	121-1	5968	6058	5915	5980	1.21	cps
Arsenic	75-2	1003	940	903	949	5.33	cps
Barium	135-1	715890	727719	742029	728546	1.80	cps
Barium	137-1	1248060	1245669	1293408	1262379	2.13	cps
Beryllium	9-1	6985	7142	7407	7178	2.98	cps
Bismuth	209-1	2496435	2524050	2562686	2527724	1.32	cps
Bismuth	209-2	941291	942621	951550	945154	0.59	cps
Bromine	81-1	3074	3157	3230	3154	2.49	cps
Cadmium	108-1	697	563	650	637	10.63	cps
Cadmium	106-1	2170	2447	2380	2332	6.19	cps
Cadmium	111-1	8467	8751	9290	8836	4.73	cps
Calcium	43-1	2514190	2593921	2636553	2581555	2.41	cps
Calcium	44-1	40854373	41431924	42576676	41620991	2.11	cps
Carbon	12-1	1822416	1990364	2007617	1940132	5.27	cps
Carbon	12-2	13840	14053	13420	13771	2.34	cps
Chlorine	35-1	34306512	37148598	38773080	36742730	6.15	cps
Chlorine	35-2	141756	142053	143523	142444	0.66	cps
Chromium	52-2	106341	108890	108786	108006	1.34	cps
Cobalt	59-2	13203	13443	13610	13419	1.52	cps
Copper	63-2	188574	190496	193634	190901	1.34	cps
Dysprosium	156-1	36557	35784	37489	36610	2.33	cps
Dysprosium	156-2	11909	11638	11812	11786	1.16	cps
Erbium	164-1	31868	31210	32263	31780	1.67	cps
Erbium	164-2	10811	11058	10444	10771	2.87	cps
Gadolinium	160-1	33352	33823	34972	34049	2.45	cps
Gadolinium	160-2	14201	13837	13824	13954	1.53	cps
Holmium	165-1	4060650	3974219	4198505	4077791	2.77	cps
Holmium	165-2	1342753	1334133	1356656	1344514	0.85	cps
Indium	115-1	2983598	3043262	3151822	3059561	2.79	cps
Indium	115-2	273343	275453	283250	277349	1.88	cps
Iron	54-2	710611	714893	710990	712165	0.33	cps
Iron	56-2	13641353	13819013	13750456	13736941	0.65	cps
Iron	57-2	329899	331113	332554	331189	0.40	cps
Krypton	83-1	130	87	93	103	22.58	cps
Lead	206-1	2374506	2415696	2428488	2406230	1.17	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-04	Instrumnet Name :	P8
Client Sample ID :	MH2GX2	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:31:32	DataFile Name :	032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1961628	1970063	2018944	1983545	1.56	cps
Lead	208-1	9155324	9277070	9412688	9281694	1.39	cps
Lithium	6-1	1071696	1094000	1147458	1104385	3.53	cps
Magnesium	24-2	891944	889756	891389	891029	0.13	cps
Manganese	55-2	2092261	2053605	2086732	2077533	1.01	cps
Molybdenum	94-1	24038	25887	26024	25316	4.38	cps
Molybdenum	95-1	5378	5798	5728	5635	4.00	cps
Molybdenum	96-1	9680	9677	9914	9757	1.39	cps
Molybdenum	97-1	3570	3540	3444	3518	1.88	cps
Molybdenum	98-1	8703	8733	8893	8776	1.16	cps
Neodymium	150-1	50883	51264	51756	51301	0.85	cps
Neodymium	150-2	12422	12312	12389	12375	0.46	cps
Nickel	60-2	15318	15071	15375	15255	1.06	cps
Phosphorus	31-2	1757	1710	1830	1766	3.43	cps
Potassium	39-2	242986	242705	244805	243498	0.47	cps
Rhodium	103-1	2698134	2690799	2787862	2725598	1.98	cps
Rhodium	103-2	966427	974211	994452	978363	1.48	cps
Scandium	45-1	1866532	1889485	1952677	1902898	2.34	cps
Scandium	45-2	30897	30389	31241	30842	1.39	cps
Selenium	82-1	20	97	110	76	64.29	cps
Selenium	77-2	30	70	20	40	66.14	cps
Selenium	78-2	37	13	37	29	46.64	cps
Silicon	28-1	40127817	41628475	42780703	41512332	3.20	cps
Silver	107-1	11378	11518	11151	11349	1.63	cps
Silver	109-1	10491	10741	10851	10694	1.73	cps
Sodium	23-2	111132	111126	113009	111756	0.97	cps
Strontium	86-1	1046443	1062056	1088666	1065721	2.00	cps
Strontium	88-1	9433638	9664195	9742293	9613375	1.67	cps
Sulfur	34-1	130007	131809	135907	132574	2.28	cps
Terbium	159-1	4103268	4127856	4285590	4172238	2.37	cps
Terbium	159-2	1272801	1279295	1307979	1286692	1.45	cps
Thallium	203-1	853	850	890	864	2.57	cps
Thallium	205-1	2177	2110	2230	2172	2.77	cps
Tin	118-1	26546	27127	26983	26885	1.13	cps
Titanium	47-1	302929	307632	314585	308382	1.90	cps
Uranium	238-1	84848	84802	86356	85335	1.04	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-04	Instrumnet Name :	P8
Client Sample ID :	MH2GX2	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:31:32	DataFile Name :	032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	33061	33944	33165	33390	1.44	cps
Ytterbium	172-1	11008	10718	10875	10867	1.34	cps
Ytterbium	172-2	4211	4367	4154	4244	2.60	cps
Ytterbium	176-1	7052	7179	7466	7232	2.93	cps
Ytterbium	176-2	2930	2664	2974	2856	5.88	cps
Yttrium	89-1	5670701	5746242	5925005	5780649	2.26	cps
Yttrium	89-2	361856	361374	370306	364512	1.38	cps
Zinc	66-2	227025	229457	230295	228926	0.74	cps
Zirconium	90-1	59409	61123	62268	60933	2.36	cps
Zirconium	91-1	13153	13637	14117	13636	3.54	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-05	Instrumnet Name :	P8
Client Sample ID :	MH2GX3	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:34:51	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	365246	362906	365590	364581	0.40	cps
Antimony	121-1	6782	7265	6935	6994	3.53	cps
Arsenic	75-2	1613	1690	1810	1705	5.82	cps
Barium	135-1	801933	818741	827170	815948	1.57	cps
Barium	137-1	1405198	1426089	1438212	1423166	1.17	cps
Beryllium	9-1	8199	8321	8264	8261	0.74	cps
Bismuth	209-1	2572989	2628946	2612782	2604906	1.11	cps
Bismuth	209-2	969071	950504	954979	958185	1.01	cps
Bromine	81-1	4914	4968	4874	4919	0.95	cps
Cadmium	108-1	980	1013	963	986	2.58	cps
Cadmium	106-1	2727	2794	2930	2817	3.68	cps
Cadmium	111-1	12668	13542	13482	13231	3.69	cps
Calcium	43-1	2894324	2986362	2978973	2953220	1.73	cps
Calcium	44-1	46870038	48345713	48902709	48039487	2.19	cps
Carbon	12-1	1670055	1806360	1836309	1770908	5.00	cps
Carbon	12-2	12325	12285	12562	12391	1.21	cps
Chlorine	35-1	32902075	35438114	36750313	35030167	5.58	cps
Chlorine	35-2	132960	133159	135063	133727	0.87	cps
Chromium	52-2	64140	63687	63480	63769	0.53	cps
Cobalt	59-2	18833	18973	19023	18943	0.52	cps
Copper	63-2	304317	305319	305353	304996	0.19	cps
Dysprosium	156-1	39943	41033	40999	40658	1.52	cps
Dysprosium	156-2	13076	13370	13253	13233	1.12	cps
Erbium	164-1	36446	36523	36092	36354	0.63	cps
Erbium	164-2	11892	11819	11862	11858	0.31	cps
Gadolinium	160-1	37807	38352	37673	37944	0.95	cps
Gadolinium	160-2	15189	15669	15285	15381	1.65	cps
Holmium	165-1	4138871	4160818	4245063	4181584	1.34	cps
Holmium	165-2	1369730	1350678	1343234	1354547	1.01	cps
Indium	115-1	3087357	3166976	3103317	3119217	1.35	cps
Indium	115-2	285040	280843	277023	280969	1.43	cps
Iron	54-2	826607	829828	824524	826986	0.32	cps
Iron	56-2	16094519	16006237	15986721	16029159	0.36	cps
Iron	57-2	387316	388767	386667	387583	0.28	cps
Krypton	83-1	97	163	120	127	26.71	cps
Lead	206-1	4035097	4043006	4118490	4065531	1.13	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-05	Instrumnet Name :	P8
Client Sample ID :	MH2GX3	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:34:51	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3355235	3370329	3465662	3397075	1.76	cps
Lead	208-1	15595095	15619137	15872660	15695630	0.98	cps
Lithium	6-1	1146967	1135273	1148001	1143414	0.62	cps
Magnesium	24-2	832411	831326	835559	833099	0.26	cps
Manganese	55-2	2606416	2572512	2626212	2601713	1.04	cps
Molybdenum	94-1	23593	23734	24271	23866	1.50	cps
Molybdenum	95-1	5001	5181	5288	5157	2.81	cps
Molybdenum	96-1	8913	9263	9263	9146	2.21	cps
Molybdenum	97-1	3067	3137	3234	3146	2.66	cps
Molybdenum	98-1	8029	8072	8383	8161	2.36	cps
Neodymium	150-1	54634	55196	56374	55401	1.60	cps
Neodymium	150-2	13020	13006	13050	13025	0.17	cps
Nickel	60-2	20992	21042	20905	20980	0.33	cps
Phosphorus	31-2	1800	1660	1677	1712	4.47	cps
Potassium	39-2	250586	251356	250701	250881	0.17	cps
Rhodium	103-1	2785411	2824601	2844135	2818049	1.06	cps
Rhodium	103-2	999509	984108	977813	987143	1.13	cps
Scandium	45-1	1922783	1997995	1991455	1970745	2.11	cps
Scandium	45-2	31718	31241	31140	31366	0.98	cps
Selenium	82-1	97	53	107	86	33.14	cps
Selenium	77-2	77	40	47	54	35.88	cps
Selenium	78-2	37	33	40	37	9.10	cps
Silicon	28-1	44457889	45080156	45538146	45025397	1.20	cps
Silver	107-1	24939	25714	25717	25457	1.76	cps
Silver	109-1	23550	24148	24248	23982	1.57	cps
Sodium	23-2	158580	156758	156637	157325	0.69	cps
Strontium	86-1	1242016	1269277	1273312	1261535	1.35	cps
Strontium	88-1	11232615	11519443	11487069	11413042	1.38	cps
Sulfur	34-1	134979	138030	139551	137520	1.69	cps
Terbium	159-1	4206533	4303342	4298156	4269344	1.28	cps
Terbium	159-2	1324333	1297438	1283629	1301800	1.59	cps
Thallium	203-1	1800	1917	1830	1849	3.28	cps
Thallium	205-1	4474	4321	4487	4427	2.09	cps
Tin	118-1	48355	49258	49051	48888	0.97	cps
Titanium	47-1	303801	312798	314910	310503	1.90	cps
Uranium	238-1	103405	102437	104980	103608	1.24	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-05	Instrumnet Name :	P8
Client Sample ID :	MH2GX3	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:34:51	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	32684	32584	32306	32525	0.60	cps
Ytterbium	172-1	12032	11859	12506	12132	2.76	cps
Ytterbium	172-2	4951	4958	5161	5023	2.38	cps
Ytterbium	176-1	8183	8156	8533	8290	2.54	cps
Ytterbium	176-2	3164	3397	3164	3242	4.16	cps
Yttrium	89-1	5978507	6029690	5985020	5997739	0.46	cps
Yttrium	89-2	382035	373724	368001	374587	1.88	cps
Zinc	66-2	377582	380298	378493	378791	0.36	cps
Zirconium	90-1	56403	58197	58211	57604	1.80	cps
Zirconium	91-1	12222	12189	12582	12331	1.77	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-06	Instrumnet Name :	P8
Client Sample ID :	MH2GX4	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:38:08	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	184595	186306	184068	184990	0.63	cps
Antimony	121-1	8142	7922	8399	8155	2.93	cps
Arsenic	75-2	1913	1900	1973	1929	2.03	cps
Barium	135-1	646572	651621	657887	652027	0.87	cps
Barium	137-1	1118623	1140911	1145140	1134891	1.26	cps
Beryllium	9-1	3534	3564	3681	3593	2.17	cps
Bismuth	209-1	2621949	2739099	2702668	2687905	2.23	cps
Bismuth	209-2	976084	979467	973960	976504	0.28	cps
Bromine	81-1	4387	4551	4731	4556	3.77	cps
Cadmium	108-1	690	773	757	740	5.96	cps
Cadmium	106-1	2270	2367	2320	2319	2.08	cps
Cadmium	111-1	10836	11286	10971	11031	2.09	cps
Calcium	43-1	1266733	1300163	1305507	1290801	1.63	cps
Calcium	44-1	20662131	20843919	21176535	20894195	1.25	cps
Carbon	12-1	1305038	1387343	1413063	1368481	4.12	cps
Carbon	12-2	9657	9740	9643	9680	0.54	cps
Chlorine	35-1	31844356	33638923	33952303	33145194	3.43	cps
Chlorine	35-2	123568	124553	125306	124476	0.70	cps
Chromium	52-2	28886	28756	28756	28799	0.26	cps
Cobalt	59-2	19637	20231	20221	20030	1.70	cps
Copper	63-2	250986	250183	249748	250306	0.25	cps
Dysprosium	156-1	36673	37225	38044	37314	1.85	cps
Dysprosium	156-2	11845	11879	11642	11789	1.09	cps
Erbium	164-1	31133	30759	31551	31148	1.27	cps
Erbium	164-2	10511	10431	10307	10416	0.98	cps
Gadolinium	160-1	34341	34528	34768	34546	0.62	cps
Gadolinium	160-2	13644	14094	13610	13783	1.96	cps
Holmium	165-1	4098465	4384333	4207670	4230156	3.41	cps
Holmium	165-2	1361146	1356466	1367362	1361658	0.40	cps
Indium	115-1	3091221	3353834	3196817	3213957	4.11	cps
Indium	115-2	283014	280854	283803	282557	0.54	cps
Iron	54-2	815828	818918	819966	818238	0.26	cps
Iron	56-2	15934384	15860011	15941251	15911882	0.28	cps
Iron	57-2	386397	386876	384811	386028	0.28	cps
Krypton	83-1	103	100	97	100	3.33	cps
Lead	206-1	3412022	3502005	3431596	3448541	1.37	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-06	Instrumnet Name :	P8
Client Sample ID :	MH2GX4	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:38:08	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2840564	2882540	2942393	2888499	1.77	cps
Lead	208-1	13278692	13469364	13437891	13395315	0.76	cps
Lithium	6-1	1091408	1145768	1099783	1112320	2.63	cps
Magnesium	24-2	392427	397976	396129	395510	0.71	cps
Manganese	55-2	1531878	1544150	1545887	1540639	0.50	cps
Molybdenum	94-1	11024	11201	11704	11310	3.12	cps
Molybdenum	95-1	3951	3967	3921	3946	0.60	cps
Molybdenum	96-1	5911	5731	5928	5857	1.86	cps
Molybdenum	97-1	2330	2464	2157	2317	6.64	cps
Molybdenum	98-1	6041	6155	6208	6135	1.39	cps
Neodymium	150-1	53807	55363	55474	54882	1.70	cps
Neodymium	150-2	13133	13147	13217	13165	0.34	cps
Nickel	60-2	22825	22177	22515	22506	1.44	cps
Phosphorus	31-2	1307	1540	1473	1440	8.35	cps
Potassium	39-2	134859	134769	135300	134976	0.21	cps
Rhodium	103-1	2776861	3024147	2905952	2902320	4.26	cps
Rhodium	103-2	998168	1001253	1001123	1000181	0.17	cps
Scandium	45-1	1909507	2019483	2002037	1977009	2.99	cps
Scandium	45-2	31625	31234	30629	31163	1.61	cps
Selenium	82-1	47	43	67	52	24.16	cps
Selenium	77-2	17	47	33	32	46.65	cps
Selenium	78-2	40	27	30	32	21.53	cps
Silicon	28-1	26887339	27460277	27519424	27289013	1.28	cps
Silver	107-1	21984	22926	22856	22589	2.32	cps
Silver	109-1	21320	21103	21597	21340	1.16	cps
Sodium	23-2	100335	100127	98831	99764	0.82	cps
Strontium	86-1	558488	569021	573556	567022	1.36	cps
Strontium	88-1	5088578	5108186	5188837	5128534	1.04	cps
Sulfur	34-1	106373	106887	107263	106841	0.42	cps
Terbium	159-1	4128926	4476670	4299262	4301619	4.04	cps
Terbium	159-2	1301720	1302462	1307730	1303970	0.25	cps
Thallium	203-1	1867	1800	1820	1829	1.87	cps
Thallium	205-1	4477	4467	4521	4489	0.63	cps
Tin	118-1	46552	47030	46643	46742	0.54	cps
Titanium	47-1	115003	114683	115076	114921	0.18	cps
Uranium	238-1	48225	47639	48315	48060	0.76	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-06	Instrumnet Name :	P8
Client Sample ID :	MH2GX4	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:38:08	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	25827	25840	26131	25932	0.66	cps
Ytterbium	172-1	9590	9704	9687	9660	0.63	cps
Ytterbium	172-2	4001	3897	3624	3841	5.07	cps
Ytterbium	176-1	6235	6332	6482	6349	1.96	cps
Ytterbium	176-2	2414	2494	2634	2514	4.43	cps
Yttrium	89-1	5782787	6106004	5937225	5942005	2.72	cps
Yttrium	89-2	364987	367130	367289	366469	0.35	cps
Zinc	66-2	317680	321396	323320	320798	0.89	cps
Zirconium	90-1	23417	26321	24301	24679	6.03	cps
Zirconium	91-1	5301	5344	5815	5487	5.20	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-07	Instrumnet Name :	P8
Client Sample ID :	MH2GX5	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:41:27	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	193660	196048	193991	194567	0.66	cps
Antimony	121-1	6972	7249	7219	7146	2.13	cps
Arsenic	75-2	1883	1930	1930	1915	1.41	cps
Barium	135-1	610755	622033	624875	619221	1.21	cps
Barium	137-1	1059930	1077136	1090664	1075910	1.43	cps
Beryllium	9-1	4070	4229	4183	4160	1.96	cps
Bismuth	209-1	2618606	2661045	2693404	2657685	1.41	cps
Bismuth	209-2	979922	970835	968457	973072	0.62	cps
Bromine	81-1	4067	4357	4301	4242	3.62	cps
Cadmium	108-1	827	750	803	793	4.95	cps
Cadmium	106-1	2417	2527	2447	2464	2.31	cps
Cadmium	111-1	11390	11978	11808	11726	2.58	cps
Calcium	43-1	1709446	1749018	1758507	1738990	1.50	cps
Calcium	44-1	28055407	28586693	28676282	28439461	1.18	cps
Carbon	12-1	1387566	1470524	1508963	1455684	4.26	cps
Carbon	12-2	10127	10644	10244	10338	2.62	cps
Chlorine	35-1	30343190	31949996	32632130	31641772	3.71	cps
Chlorine	35-2	117035	120546	121373	119652	1.93	cps
Chromium	52-2	29193	30366	29163	29574	2.32	cps
Cobalt	59-2	17538	17374	17404	17439	0.50	cps
Copper	63-2	231198	231662	231974	231611	0.17	cps
Dysprosium	156-1	38315	38114	38385	38271	0.37	cps
Dysprosium	156-2	12349	12636	12336	12440	1.36	cps
Erbium	164-1	33412	33315	33626	33451	0.48	cps
Erbium	164-2	11068	11191	11055	11105	0.68	cps
Gadolinium	160-1	35524	36577	35895	35998	1.48	cps
Gadolinium	160-2	14435	14491	14284	14403	0.74	cps
Holmium	165-1	4215916	4276745	4329878	4274180	1.33	cps
Holmium	165-2	1361768	1369019	1353465	1361417	0.57	cps
Indium	115-1	3212354	3202404	3227795	3214184	0.40	cps
Indium	115-2	281125	283208	283464	282599	0.45	cps
Iron	54-2	520990	522777	524049	522605	0.29	cps
Iron	56-2	10175343	10326747	10220288	10240793	0.76	cps
Iron	57-2	243867	245970	246136	245324	0.52	cps
Krypton	83-1	103	113	70	96	23.75	cps
Lead	206-1	3459020	3563974	3559351	3527448	1.68	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-07	Instrumnet Name :	P8
Client Sample ID :	MH2GX5	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:41:27	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2944533	3018604	2945641	2969593	1.43	cps
Lead	208-1	13549691	13864941	13760929	13725187	1.17	cps
Lithium	6-1	1091091	1113609	1128979	1111226	1.71	cps
Magnesium	24-2	440896	444607	443230	442911	0.42	cps
Manganese	55-2	1717615	1700769	1715473	1711286	0.54	cps
Molybdenum	94-1	12442	11999	12512	12318	2.26	cps
Molybdenum	95-1	3844	3804	3624	3757	3.12	cps
Molybdenum	96-1	5768	5625	5881	5758	2.23	cps
Molybdenum	97-1	2207	2367	2434	2336	4.99	cps
Molybdenum	98-1	5995	5931	5778	5901	1.89	cps
Neodymium	150-1	55959	56455	57067	56494	0.98	cps
Neodymium	150-2	13817	13584	12920	13440	3.46	cps
Nickel	60-2	20869	21066	21012	20982	0.49	cps
Phosphorus	31-2	1377	1410	1273	1353	5.27	cps
Potassium	39-2	143986	144195	145275	144485	0.48	cps
Rhodium	103-1	2873488	2867510	2922897	2887965	1.05	cps
Rhodium	103-2	999403	1005532	1003682	1002872	0.31	cps
Scandium	45-1	1938166	1962562	1953660	1951462	0.63	cps
Scandium	45-2	31000	30796	30669	30822	0.54	cps
Selenium	82-1	27	63	100	63	57.89	cps
Selenium	77-2	50	20	30	33	45.83	cps
Selenium	78-2	30	30	27	29	6.65	cps
Silicon	28-1	27084940	27990552	27874765	27650085	1.78	cps
Silver	107-1	20662	21233	20933	20943	1.36	cps
Silver	109-1	19764	20395	20512	20224	1.99	cps
Sodium	23-2	85703	85894	84714	85437	0.74	cps
Strontium	86-1	656345	668261	672712	665773	1.27	cps
Strontium	88-1	5992130	5986890	6077053	6018691	0.84	cps
Sulfur	34-1	106958	109449	110286	108898	1.59	cps
Terbium	159-1	4330124	4370650	4367894	4356222	0.52	cps
Terbium	159-2	1298286	1310153	1307038	1305159	0.47	cps
Thallium	203-1	2120	2224	2100	2148	3.08	cps
Thallium	205-1	4578	4884	5051	4838	4.97	cps
Tin	118-1	25357	24899	25417	25224	1.12	cps
Titanium	47-1	112130	114738	115328	114065	1.49	cps
Uranium	238-1	54293	55906	56338	55512	1.94	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-07	Instrumnet Name :	P8
Client Sample ID :	MH2GX5	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:41:27	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	27824	27981	27971	27925	0.31	cps
Ytterbium	172-1	10314	10187	10184	10228	0.73	cps
Ytterbium	172-2	3884	4114	4261	4086	4.65	cps
Ytterbium	176-1	6495	6622	6982	6700	3.77	cps
Ytterbium	176-2	2634	2730	2684	2683	1.80	cps
Yttrium	89-1	5884561	5837605	6061729	5927965	1.99	cps
Yttrium	89-2	366272	371433	368536	368747	0.70	cps
Zinc	66-2	215844	218525	220180	218183	1.00	cps
Zirconium	90-1	27677	27955	28145	27926	0.84	cps
Zirconium	91-1	5938	6288	6248	6158	3.11	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-08	Instrumnet Name :	P8
Client Sample ID :	MH2GX6	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:44:45	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	422335	417938	424601	421625	0.80	cps
Antimony	121-1	6245	6348	6548	6380	2.42	cps
Arsenic	75-2	1017	950	1007	991	3.63	cps
Barium	135-1	865778	878497	890049	878108	1.38	cps
Barium	137-1	1568038	1622862	1646783	1612561	2.50	cps
Beryllium	9-1	8085	8435	8255	8258	2.12	cps
Bismuth	209-1	2558526	2580053	2613271	2583950	1.07	cps
Bismuth	209-2	945132	956223	953125	951493	0.60	cps
Bromine	81-1	3204	3477	3307	3329	4.15	cps
Cadmium	108-1	570	700	673	648	10.60	cps
Cadmium	106-1	2360	2494	2447	2434	2.78	cps
Cadmium	111-1	9369	9751	9718	9613	2.20	cps
Calcium	43-1	2822792	2887997	2931159	2880649	1.89	cps
Calcium	44-1	45795176	47003009	47301718	46699968	1.71	cps
Carbon	12-1	2242648	2460936	2474068	2392551	5.43	cps
Carbon	12-2	16870	17080	16967	16972	0.62	cps
Chlorine	35-1	31779193	33990538	34789647	33519793	4.65	cps
Chlorine	35-2	125703	125703	127650	126352	0.89	cps
Chromium	52-2	135881	135905	135840	135875	0.02	cps
Cobalt	59-2	15959	15675	15632	15755	1.13	cps
Copper	63-2	229844	229355	230313	229837	0.21	cps
Dysprosium	156-1	45093	46036	46437	45855	1.51	cps
Dysprosium	156-2	14558	14244	14655	14486	1.48	cps
Erbium	164-1	38903	39515	40451	39623	1.97	cps
Erbium	164-2	12780	13173	13020	12991	1.53	cps
Gadolinium	160-1	41698	41792	42909	42133	1.60	cps
Gadolinium	160-2	16761	16500	17385	16882	2.69	cps
Holmium	165-1	4218543	4226973	4338859	4261458	1.58	cps
Holmium	165-2	1363958	1368951	1378127	1370345	0.52	cps
Indium	115-1	3132567	3192342	3263667	3196192	2.05	cps
Indium	115-2	280525	282497	284307	282443	0.67	cps
Iron	54-2	930636	931772	934083	932163	0.19	cps
Iron	56-2	18212597	18055410	18085951	18117986	0.46	cps
Iron	57-2	433060	438904	438238	436734	0.73	cps
Krypton	83-1	120	113	97	110	10.92	cps
Lead	206-1	2715430	2686570	2716472	2706157	0.63	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-08	Instrumnet Name :	P8
Client Sample ID :	MH2GX6	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:44:45	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2243193	2250478	2242170	2245281	0.20	cps
Lead	208-1	10399262	10362357	10479695	10413771	0.58	cps
Lithium	6-1	1083715	1103234	1111619	1099522	1.30	cps
Magnesium	24-2	1122588	1135932	1080645	1113055	2.59	cps
Manganese	55-2	2429533	2397967	2427416	2418306	0.73	cps
Molybdenum	94-1	27010	28576	28526	28037	3.18	cps
Molybdenum	95-1	5715	5911	5945	5857	2.12	cps
Molybdenum	96-1	9964	10571	10754	10430	3.97	cps
Molybdenum	97-1	3300	3384	3540	3408	3.58	cps
Molybdenum	98-1	8863	8863	9233	8986	2.38	cps
Neodymium	150-1	65287	66433	66601	66107	1.08	cps
Neodymium	150-2	15562	15623	15970	15718	1.40	cps
Nickel	60-2	17007	17327	17274	17203	1.00	cps
Phosphorus	31-2	2027	1900	2114	2013	5.33	cps
Potassium	39-2	261419	261932	262964	262105	0.30	cps
Rhodium	103-1	2781310	2827138	2857673	2822040	1.36	cps
Rhodium	103-2	981912	993088	1000885	991962	0.96	cps
Scandium	45-1	1948523	1972214	2028072	1982936	2.06	cps
Scandium	45-2	31568	31511	31688	31589	0.29	cps
Selenium	82-1	67	133	153	118	38.53	cps
Selenium	77-2	57	57	77	63	18.23	cps
Selenium	78-2	40	37	40	39	4.94	cps
Silicon	28-1	45983081	46978823	47806649	46922851	1.95	cps
Silver	107-1	11502	11245	11562	11436	1.47	cps
Silver	109-1	10551	11028	11038	10872	2.56	cps
Sodium	23-2	108338	108170	109238	108582	0.53	cps
Strontium	86-1	1202814	1232477	1242116	1225802	1.67	cps
Strontium	88-1	10960056	11026590	11272799	11086482	1.49	cps
Sulfur	34-1	130121	132765	133922	132269	1.47	cps
Terbium	159-1	4295817	4349834	4342472	4329374	0.68	cps
Terbium	159-2	1307945	1310670	1314977	1311197	0.27	cps
Thallium	203-1	807	773	950	843	11.13	cps
Thallium	205-1	2157	1850	2194	2067	9.12	cps
Tin	118-1	28306	28797	29335	28813	1.79	cps
Titanium	47-1	388832	394764	401878	395158	1.65	cps
Uranium	238-1	107126	108756	109953	108612	1.31	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-08	Instrumnet Name :	P8
Client Sample ID :	MH2GX6	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:44:45	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	40387	39765	40504	40218	0.99	cps
Ytterbium	172-1	12753	13100	13374	13075	2.38	cps
Ytterbium	172-2	5208	5231	5001	5147	2.46	cps
Ytterbium	176-1	8509	8630	8416	8518	1.26	cps
Ytterbium	176-2	3257	3307	3537	3367	4.44	cps
Yttrium	89-1	5985859	6078554	6226067	6096827	1.99	cps
Yttrium	89-2	373927	379831	379906	377888	0.91	cps
Zinc	66-2	259332	259853	261378	260188	0.41	cps
Zirconium	90-1	65925	68326	69023	67758	2.40	cps
Zirconium	91-1	14558	15322	15298	15059	2.89	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-09	Instrumnet Name :	P8
Client Sample ID :	MH2GX7	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:48:04	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	147054	145495	146646	146398	0.55	cps
Antimony	121-1	10184	10104	10354	10214	1.25	cps
Arsenic	75-2	2074	2127	2197	2132	2.90	cps
Barium	135-1	623765	631931	640538	632078	1.33	cps
Barium	137-1	1089127	1102556	1105121	1098935	0.78	cps
Beryllium	9-1	3291	3462	3394	3382	2.55	cps
Bismuth	209-1	2655850	2749946	2744826	2716874	1.95	cps
Bismuth	209-2	987103	985457	990933	987831	0.28	cps
Bromine	81-1	4027	4221	4164	4137	2.40	cps
Cadmium	108-1	1100	1027	1067	1065	3.45	cps
Cadmium	106-1	2837	2790	2770	2799	1.22	cps
Cadmium	111-1	16001	15582	15897	15827	1.38	cps
Calcium	43-1	1785210	1827632	1837717	1816853	1.53	cps
Calcium	44-1	29192872	29355249	30054090	29534070	1.55	cps
Carbon	12-1	1595332	1660771	1681593	1645899	2.73	cps
Carbon	12-2	11508	11908	11661	11693	1.73	cps
Chlorine	35-1	31889577	33603417	34485459	33326151	3.96	cps
Chlorine	35-2	123141	124238	126541	124640	1.39	cps
Chromium	52-2	26965	27146	27216	27109	0.48	cps
Cobalt	59-2	21783	21797	21677	21752	0.30	cps
Copper	63-2	249999	248687	248928	249205	0.28	cps
Dysprosium	156-1	35571	36062	35838	35823	0.69	cps
Dysprosium	156-2	11402	11251	11208	11287	0.90	cps
Erbium	164-1	29646	29967	29429	29681	0.91	cps
Erbium	164-2	9547	9747	9627	9640	1.05	cps
Gadolinium	160-1	32069	32790	32744	32534	1.24	cps
Gadolinium	160-2	12770	13223	13240	13078	2.04	cps
Holmium	165-1	4202491	4343689	4322458	4289546	1.77	cps
Holmium	165-2	1375793	1366331	1382162	1374762	0.58	cps
Indium	115-1	3140198	3289268	3295296	3241587	2.71	cps
Indium	115-2	285646	285154	287889	286230	0.51	cps
Iron	54-2	881201	889448	890836	887162	0.59	cps
Iron	56-2	17141027	17167076	17232000	17180034	0.27	cps
Iron	57-2	413022	416011	417014	415349	0.50	cps
Krypton	83-1	70	137	80	96	37.63	cps
Lead	206-1	4751343	4831352	4858461	4813718	1.16	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-09	Instrumnet Name :	P8
Client Sample ID :	MH2GX7	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:48:04	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4005017	4012545	4043726	4020429	0.51	cps
Lead	208-1	18493072	18649515	18785317	18642635	0.78	cps
Lithium	6-1	1088868	1116591	1108136	1104532	1.29	cps
Magnesium	24-2	398518	397372	405424	400438	1.09	cps
Manganese	55-2	1585040	1568228	1596035	1583101	0.88	cps
Molybdenum	94-1	13600	14061	14174	13945	2.18	cps
Molybdenum	95-1	4978	5128	5071	5059	1.50	cps
Molybdenum	96-1	7162	7352	7519	7344	2.43	cps
Molybdenum	97-1	2914	3210	3104	3076	4.89	cps
Molybdenum	98-1	8159	8012	8142	8105	0.99	cps
Neodymium	150-1	52395	53784	54022	53400	1.65	cps
Neodymium	150-2	12516	12966	12633	12705	1.84	cps
Nickel	60-2	25206	26528	26665	26133	3.08	cps
Phosphorus	31-2	2104	1823	1870	1932	7.76	cps
Potassium	39-2	130116	129518	132259	130631	1.10	cps
Rhodium	103-1	2874879	2900495	2943230	2906201	1.19	cps
Rhodium	103-2	1011783	1013081	1020674	1015179	0.47	cps
Scandium	45-1	1945239	1996774	2023146	1988386	1.99	cps
Scandium	45-2	31034	30429	30973	30812	1.08	cps
Selenium	82-1	97	13	83	64	69.46	cps
Selenium	77-2	30	33	50	38	28.37	cps
Selenium	78-2	17	30	37	28	36.66	cps
Silicon	28-1	21120611	21608036	21300295	21342980	1.15	cps
Silver	107-1	23220	23871	24068	23719	1.87	cps
Silver	109-1	22919	22759	22879	22852	0.36	cps
Sodium	23-2	61777	61218	61944	61646	0.62	cps
Strontium	86-1	688844	701417	708523	699594	1.42	cps
Strontium	88-1	6186541	6274902	6395437	6285627	1.67	cps
Sulfur	34-1	105910	107391	107847	107050	0.95	cps
Terbium	159-1	4330559	4375582	4414875	4373672	0.96	cps
Terbium	159-2	1309575	1313841	1321356	1314924	0.45	cps
Thallium	203-1	2220	2090	2094	2135	3.47	cps
Thallium	205-1	5171	5218	5168	5186	0.54	cps
Tin	118-1	52433	53875	54678	53662	2.12	cps
Titanium	47-1	124716	125657	127257	125877	1.02	cps
Uranium	238-1	60008	59214	59837	59686	0.70	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-09	Instrumnet Name :	P8
Client Sample ID :	MH2GX7	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:48:04	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	31278	31471	31040	31263	0.69	cps
Ytterbium	172-1	8900	9280	9097	9092	2.09	cps
Ytterbium	172-2	3644	3437	3541	3541	2.92	cps
Ytterbium	176-1	6008	5825	6202	6011	3.13	cps
Ytterbium	176-2	2400	2400	2410	2404	0.24	cps
Yttrium	89-1	5906123	5976796	6094212	5992377	1.59	cps
Yttrium	89-2	366231	366729	370681	367880	0.66	cps
Zinc	66-2	364937	368225	366360	366507	0.45	cps
Zirconium	90-1	29862	30340	29999	30067	0.82	cps
Zirconium	91-1	6508	6592	6615	6572	0.85	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-10	Instrumnet Name :	P8
Client Sample ID :	MH2GX8	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:51:22	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	99611	100517	98353	99494	1.09	cps
Antimony	121-1	11472	11678	11842	11664	1.59	cps
Arsenic	75-2	2694	2507	2280	2494	8.30	cps
Barium	135-1	622168	639971	640214	634118	1.63	cps
Barium	137-1	1090614	1114229	1121320	1108721	1.45	cps
Beryllium	9-1	2334	2411	2407	2384	1.83	cps
Bismuth	209-1	2785635	2753797	2778599	2772677	0.60	cps
Bismuth	209-2	925280	1047947	1054126	1009118	7.20	cps
Bromine	81-1	3601	4087	4317	4002	9.15	cps
Cadmium	108-1	1337	1497	1450	1428	5.76	cps
Cadmium	106-1	3280	3247	3254	3260	0.54	cps
Cadmium	111-1	19866	19935	20082	19961	0.55	cps
Calcium	43-1	1167061	1241216	1249471	1219249	3.72	cps
Calcium	44-1	19712844	20324918	20485351	20174371	2.02	cps
Carbon	12-1	1450594	1580473	1581415	1537494	4.89	cps
Carbon	12-2	10494	10774	10881	10716	1.87	cps
Chlorine	35-1	30461842	32916429	34208451	32528907	5.85	cps
Chlorine	35-2	121824	121471	122190	121828	0.30	cps
Chromium	52-2	9870	9146	9670	9562	3.91	cps
Cobalt	59-2	25713	25119	25386	25406	1.17	cps
Copper	63-2	364386	363056	364096	363846	0.19	cps
Dysprosium	156-1	36119	36630	36791	36513	0.96	cps
Dysprosium	156-2	11612	11398	11465	11492	0.95	cps
Erbium	164-1	29850	30358	31156	30455	2.16	cps
Erbium	164-2	9977	10274	10091	10114	1.48	cps
Gadolinium	160-1	32302	33425	33987	33238	2.58	cps
Gadolinium	160-2	13690	13544	13180	13471	1.95	cps
Holmium	165-1	4338988	4291842	4299850	4310226	0.59	cps
Holmium	165-2	1249566	1441379	1446953	1379300	8.15	cps
Indium	115-1	3245259	3259772	3310577	3271869	1.05	cps
Indium	115-2	258466	296436	300506	285136	8.13	cps
Iron	54-2	853736	850518	847498	850584	0.37	cps
Iron	56-2	16756949	16543776	16318781	16539835	1.32	cps
Iron	57-2	400370	396541	398428	398446	0.48	cps
Krypton	83-1	90	87	100	92	7.52	cps
Lead	206-1	5329721	5445260	5478703	5417895	1.44	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-10	Instrumnet Name :	P8
Client Sample ID :	MH2GX8	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:51:22	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4424900	4532760	4555168	4504276	1.55	cps
Lead	208-1	20652387	21136628	21161977	20983664	1.37	cps
Lithium	6-1	1089671	1101631	1106038	1099113	0.77	cps
Magnesium	24-2	245598	245117	245272	245329	0.10	cps
Manganese	55-2	1777267	1737814	1768331	1761137	1.17	cps
Molybdenum	94-1	10457	10547	10467	10491	0.47	cps
Molybdenum	95-1	4934	5034	5148	5039	2.12	cps
Molybdenum	96-1	6602	6468	6962	6677	3.82	cps
Molybdenum	97-1	2957	2960	3094	3004	2.60	cps
Molybdenum	98-1	7789	7842	7822	7818	0.35	cps
Neodymium	150-1	51445	53332	54098	52958	2.58	cps
Neodymium	150-2	12546	12573	12669	12596	0.52	cps
Nickel	60-2	25122	24842	24805	24923	0.70	cps
Phosphorus	31-2	1687	1730	1690	1702	1.42	cps
Potassium	39-2	108997	109568	110200	109588	0.55	cps
Rhodium	103-1	2952354	2937287	2954857	2948166	0.32	cps
Rhodium	103-2	922689	1067737	1070532	1020319	8.29	cps
Scandium	45-1	1990024	1970782	1989308	1983371	0.55	cps
Scandium	45-2	27854	32450	32523	30942	8.65	cps
Selenium	82-1	67	80	53	67	19.99	cps
Selenium	77-2	47	37	40	41	12.39	cps
Selenium	78-2	33	43	23	33	30.00	cps
Silicon	28-1	9586287	9776790	9906243	9756440	1.65	cps
Silver	107-1	37942	38036	38721	38233	1.11	cps
Silver	109-1	34891	35980	36886	35919	2.78	cps
Sodium	23-2	48577	48875	50085	49179	1.62	cps
Strontium	86-1	527772	539190	547265	538076	1.82	cps
Strontium	88-1	4755276	4904213	4957230	4872239	2.15	cps
Sulfur	34-1	99052	101244	101703	100666	1.41	cps
Terbium	159-1	4419299	4365174	4425174	4403216	0.75	cps
Terbium	159-2	1190443	1359727	1377611	1309260	7.89	cps
Thallium	203-1	3054	3264	3260	3193	3.77	cps
Thallium	205-1	7739	7732	8103	7858	2.70	cps
Tin	118-1	59793	61196	61571	60853	1.54	cps
Titanium	47-1	79790	81141	83119	81350	2.06	cps
Uranium	238-1	41685	42842	43515	42681	2.17	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-10	Instrumnet Name :	P8
Client Sample ID :	MH2GX8	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:51:22	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	26451	26391	25850	26231	1.26	cps
Ytterbium	172-1	9397	9317	9280	9331	0.64	cps
Ytterbium	172-2	3504	3877	3707	3696	5.06	cps
Ytterbium	176-1	5951	6171	6242	6121	2.47	cps
Ytterbium	176-2	2307	2437	2347	2364	2.82	cps
Yttrium	89-1	5934741	5928311	6027782	5963611	0.93	cps
Yttrium	89-2	334978	381039	381847	365955	7.33	cps
Zinc	66-2	400118	397434	395401	397651	0.59	cps
Zirconium	90-1	20235	20792	21066	20698	2.05	cps
Zirconium	91-1	4778	4811	4477	4689	3.92	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-11	Instrumnet Name :	P8
Client Sample ID :	MH2GX9	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:54:43	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	96215	96141	96081	96146	0.07	cps
Antimony	121-1	4051	3927	4414	4131	6.13	cps
Arsenic	75-2	970	1097	963	1010	7.44	cps
Barium	135-1	541431	551942	552521	548632	1.14	cps
Barium	137-1	946530	961296	966441	958089	1.08	cps
Beryllium	9-1	1581	1551	1657	1597	3.43	cps
Bismuth	209-1	2646536	2656894	2681950	2661793	0.68	cps
Bismuth	209-2	948126	969384	963228	960246	1.14	cps
Bromine	81-1	4631	4691	4861	4728	2.52	cps
Cadmium	108-1	310	390	363	354	11.49	cps
Cadmium	106-1	1887	1927	1847	1887	2.12	cps
Cadmium	111-1	5641	5930	5913	5828	2.78	cps
Calcium	43-1	1638526	1662926	1637166	1646206	0.88	cps
Calcium	44-1	25826767	26535101	26524949	26295606	1.54	cps
Carbon	12-1	887515	930779	925907	914734	2.59	cps
Carbon	12-2	6271	6341	6498	6370	1.82	cps
Chlorine	35-1	30357658	32191440	33421613	31990237	4.82	cps
Chlorine	35-2	119306	121905	121038	120750	1.10	cps
Chromium	52-2	9767	9633	9767	9722	0.79	cps
Cobalt	59-2	15272	15071	15131	15158	0.68	cps
Copper	63-2	203905	206550	204284	204913	0.70	cps
Dysprosium	156-1	37750	38599	38873	38407	1.52	cps
Dysprosium	156-2	12146	12099	12272	12172	0.74	cps
Erbium	164-1	31073	31942	32530	31848	2.30	cps
Erbium	164-2	10658	10551	10514	10574	0.70	cps
Gadolinium	160-1	35246	35992	36593	35944	1.88	cps
Gadolinium	160-2	14425	14031	14491	14316	1.74	cps
Holmium	165-1	4210866	4259260	4213051	4227726	0.65	cps
Holmium	165-2	1350081	1357360	1349095	1352179	0.33	cps
Indium	115-1	3145119	3181135	3216588	3180947	1.12	cps
Indium	115-2	276978	280294	278713	278662	0.60	cps
Iron	54-2	303362	304433	303258	303684	0.21	cps
Iron	56-2	5907433	5945877	5825780	5893030	1.04	cps
Iron	57-2	142985	142466	143254	142902	0.28	cps
Krypton	83-1	103	100	87	97	9.12	cps
Lead	206-1	1081056	1101346	1108821	1097074	1.31	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-11	Instrumnet Name :	P8
Client Sample ID :	MH2GX9	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:54:43	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	912957	926149	925522	921543	0.81	cps
Lead	208-1	4377517	4469103	4491058	4445893	1.35	cps
Lithium	6-1	1105086	1096448	1098533	1100022	0.41	cps
Magnesium	24-2	224793	224972	223804	224523	0.28	cps
Manganese	55-2	450363	452709	448770	450614	0.44	cps
Molybdenum	94-1	7269	7495	7479	7414	1.70	cps
Molybdenum	95-1	2924	3187	3244	3118	5.48	cps
Molybdenum	96-1	4387	4227	4454	4356	2.67	cps
Molybdenum	97-1	1950	1850	1760	1853	5.13	cps
Molybdenum	98-1	4784	4758	4951	4831	2.17	cps
Neodymium	150-1	57995	59802	60606	59468	2.25	cps
Neodymium	150-2	14284	14224	13827	14112	1.76	cps
Nickel	60-2	26531	26531	26718	26594	0.41	cps
Phosphorus	31-2	1393	1310	1190	1298	7.88	cps
Potassium	39-2	87362	88918	87969	88083	0.89	cps
Rhodium	103-1	2879849	2903293	2898983	2894042	0.43	cps
Rhodium	103-2	989721	1001764	991844	994443	0.65	cps
Scandium	45-1	1908449	1915219	1927583	1917084	0.51	cps
Scandium	45-2	29741	30589	29831	30054	1.55	cps
Selenium	82-1	33	33	37	34	5.58	cps
Selenium	77-2	27	37	37	33	17.32	cps
Selenium	78-2	33	17	30	27	33.06	cps
Silicon	28-1	11559987	11852648	11966699	11793111	1.78	cps
Silver	107-1	7852	8036	7866	7918	1.29	cps
Silver	109-1	7465	7759	7462	7562	2.25	cps
Sodium	23-2	42127	42933	41228	42096	2.03	cps
Strontium	86-1	374992	382416	387515	381641	1.65	cps
Strontium	88-1	3403928	3548760	3572990	3508559	2.61	cps
Sulfur	34-1	95136	96227	95633	95665	0.57	cps
Terbium	159-1	4362182	4289489	4306769	4319480	0.88	cps
Terbium	159-2	1273841	1295707	1290437	1286662	0.89	cps
Thallium	203-1	1330	1410	1237	1326	6.54	cps
Thallium	205-1	2987	3010	3137	3045	2.65	cps
Tin	118-1	12656	13370	13166	13064	2.82	cps
Titanium	47-1	29330	29955	30499	29928	1.95	cps
Uranium	238-1	31870	31716	31853	31813	0.27	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-11	Instrumnet Name :	P8
Client Sample ID :	MH2GX9	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:54:43	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	27961	27924	27710	27865	0.49	cps
Ytterbium	172-1	9260	9383	9317	9320	0.66	cps
Ytterbium	172-2	3657	3684	3544	3628	2.05	cps
Ytterbium	176-1	6222	6081	6161	6155	1.14	cps
Ytterbium	176-2	2307	2127	2367	2267	5.51	cps
Yttrium	89-1	5817425	5891996	5923442	5877621	0.93	cps
Yttrium	89-2	354889	361348	359619	358619	0.93	cps
Zinc	66-2	80051	81828	80735	80871	1.11	cps
Zirconium	90-1	15325	15469	15505	15433	0.62	cps
Zirconium	91-1	3454	3320	3614	3463	4.24	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-12	Instrumnet Name :	P8
Client Sample ID :	MH2GY0	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:58:05	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	346776	345442	351191	347803	0.87	cps
Antimony	121-1	5628	5618	5418	5555	2.13	cps
Arsenic	75-2	893	860	853	869	2.47	cps
Barium	135-1	733395	750970	754796	746387	1.53	cps
Barium	137-1	1266107	1302209	1323678	1297331	2.24	cps
Beryllium	9-1	7186	7395	7456	7346	1.93	cps
Bismuth	209-1	2589485	2610398	2641669	2613851	1.00	cps
Bismuth	209-2	943966	950354	947816	947379	0.34	cps
Bromine	81-1	3090	3000	3137	3076	2.26	cps
Cadmium	108-1	550	580	543	558	3.50	cps
Cadmium	106-1	2210	2197	2247	2218	1.17	cps
Cadmium	111-1	7404	7567	8164	7712	5.19	cps
Calcium	43-1	2615237	2658399	2670049	2647895	1.09	cps
Calcium	44-1	42440979	43124888	43374584	42980150	1.12	cps
Carbon	12-1	1598487	1722370	1718951	1679936	4.20	cps
Carbon	12-2	12058	12192	11768	12006	1.80	cps
Chlorine	35-1	33730248	36025251	36943947	35566482	4.65	cps
Chlorine	35-2	133953	134703	137166	135274	1.24	cps
Chromium	52-2	100301	102289	102084	101558	1.08	cps
Cobalt	59-2	13076	13163	12302	12847	3.69	cps
Copper	63-2	189320	188436	190346	189367	0.50	cps
Dysprosium	156-1	35948	36466	36841	36418	1.23	cps
Dysprosium	156-2	11552	11986	11695	11744	1.88	cps
Erbium	164-1	32406	32440	32613	32486	0.34	cps
Erbium	164-2	10588	10494	10574	10552	0.48	cps
Gadolinium	160-1	33372	33783	34200	33785	1.23	cps
Gadolinium	160-2	13657	13747	13547	13650	0.73	cps
Holmium	165-1	4259536	4233089	4297333	4263319	0.76	cps
Holmium	165-2	1339296	1344610	1361347	1348418	0.85	cps
Indium	115-1	3085379	3099470	3239573	3141474	2.71	cps
Indium	115-2	276529	274529	277667	276242	0.58	cps
Iron	54-2	657618	660365	662473	660152	0.37	cps
Iron	56-2	12831916	12803843	12860658	12832139	0.22	cps
Iron	57-2	307701	308457	311767	309308	0.70	cps
Krypton	83-1	73	120	63	86	35.36	cps
Lead	206-1	2269326	2320800	2356768	2315631	1.90	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-12	Instrumnet Name :	P8
Client Sample ID :	MH2GY0	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:58:05	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1886020	1919612	1919392	1908341	1.01	cps
Lead	208-1	8769582	8895639	8947286	8870836	1.03	cps
Lithium	6-1	1065714	1076305	1088330	1076783	1.05	cps
Magnesium	24-2	892267	892047	895538	893284	0.22	cps
Manganese	55-2	2130131	2117334	2163292	2136919	1.11	cps
Molybdenum	94-1	24729	25380	26585	25565	3.68	cps
Molybdenum	95-1	5725	5948	6051	5908	2.83	cps
Molybdenum	96-1	10144	9994	9907	10015	1.20	cps
Molybdenum	97-1	3300	3394	3564	3419	3.91	cps
Molybdenum	98-1	8890	8833	9066	8930	1.36	cps
Neodymium	150-1	50628	50160	51227	50672	1.06	cps
Neodymium	150-2	12152	12533	11772	12152	3.13	cps
Nickel	60-2	15782	15725	15525	15678	0.86	cps
Phosphorus	31-2	1520	1570	1683	1591	5.26	cps
Potassium	39-2	239786	240969	244432	241729	1.00	cps
Rhodium	103-1	2780493	2814730	2837375	2810866	1.02	cps
Rhodium	103-2	972341	972899	984207	976482	0.69	cps
Scandium	45-1	1897395	1945786	1936987	1926723	1.34	cps
Scandium	45-2	30205	30713	30405	30441	0.84	cps
Selenium	82-1	150	73	123	116	33.68	cps
Selenium	77-2	30	43	20	31	37.62	cps
Selenium	78-2	20	17	37	24	43.83	cps
Silicon	28-1	43595801	44908026	45205413	44569747	1.92	cps
Silver	107-1	9960	10024	10424	10136	2.48	cps
Silver	109-1	9380	9917	9343	9547	3.36	cps
Sodium	23-2	99144	99536	99808	99496	0.34	cps
Strontium	86-1	1096276	1115119	1139375	1116924	1.93	cps
Strontium	88-1	9850829	10197415	10225200	10091148	2.07	cps
Sulfur	34-1	123535	125545	127656	125579	1.64	cps
Terbium	159-1	4232861	4348619	4372536	4318005	1.73	cps
Terbium	159-2	1292039	1298490	1303058	1297862	0.43	cps
Thallium	203-1	793	727	787	769	4.78	cps
Thallium	205-1	2037	1893	1787	1906	6.58	cps
Tin	118-1	25447	25991	26172	25870	1.46	cps
Titanium	47-1	314649	322534	325418	320867	1.74	cps
Uranium	238-1	90574	90614	90057	90415	0.34	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-12	Instrumnet Name :	P8
Client Sample ID :	MH2GY0	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 17:58:05	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	30980	31859	31491	31443	1.40	cps
Ytterbium	172-1	10881	11208	11382	11157	2.28	cps
Ytterbium	172-2	4431	4314	4371	4372	1.33	cps
Ytterbium	176-1	7069	7159	7265	7164	1.38	cps
Ytterbium	176-2	2924	3004	2984	2970	1.40	cps
Yttrium	89-1	5832079	5916090	5957471	5901880	1.08	cps
Yttrium	89-2	361695	362339	367419	363818	0.86	cps
Zinc	66-2	206238	206075	206586	206300	0.13	cps
Zirconium	90-1	60772	62399	63724	62298	2.37	cps
Zirconium	91-1	13283	14071	14134	13829	3.43	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-13	Instrumnet Name :	P8
Client Sample ID :	MH2GY1	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:01:25	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	268782	271104	270789	270225	0.47	cps
Antimony	121-1	9066	8916	9340	9108	2.36	cps
Arsenic	75-2	1910	1907	1753	1857	4.82	cps
Barium	135-1	746806	763810	769239	759952	1.54	cps
Barium	137-1	1296626	1328279	1316120	1313675	1.22	cps
Beryllium	9-1	6154	6159	6209	6174	0.49	cps
Bismuth	209-1	2582312	2671240	2647278	2633610	1.75	cps
Bismuth	209-2	955268	957637	966351	959752	0.61	cps
Bromine	81-1	3130	3190	3154	3158	0.96	cps
Cadmium	108-1	1063	1040	1130	1078	4.33	cps
Cadmium	106-1	2857	2960	2867	2895	1.97	cps
Cadmium	111-1	14252	14691	14492	14478	1.52	cps
Calcium	43-1	2473570	2542420	2556249	2524079	1.75	cps
Calcium	44-1	39968764	41204152	41300440	40824452	1.82	cps
Carbon	12-1	1509294	1623166	1670484	1600981	5.18	cps
Carbon	12-2	11088	11405	11538	11343	2.04	cps
Chlorine	35-1	35588741	37718175	39008447	37438454	4.61	cps
Chlorine	35-2	139343	141921	143601	141621	1.51	cps
Chromium	52-2	50104	50663	49893	50220	0.79	cps
Cobalt	59-2	19273	19323	19790	19462	1.47	cps
Copper	63-2	294844	298075	298267	297062	0.65	cps
Dysprosium	156-1	37639	38993	39725	38786	2.73	cps
Dysprosium	156-2	12299	12459	12272	12344	0.82	cps
Erbium	164-1	34214	34612	34104	34310	0.78	cps
Erbium	164-2	11178	11098	11031	11102	0.66	cps
Gadolinium	160-1	36383	36062	36807	36417	1.03	cps
Gadolinium	160-2	14241	15052	14842	14712	2.86	cps
Holmium	165-1	4219167	4249710	4360421	4276433	1.74	cps
Holmium	165-2	1346888	1358221	1370727	1358612	0.88	cps
Indium	115-1	3148106	3222197	3185819	3185374	1.16	cps
Indium	115-2	277348	280210	280702	279420	0.65	cps
Iron	54-2	822281	824814	834385	827160	0.77	cps
Iron	56-2	15805826	16047072	15992902	15948600	0.79	cps
Iron	57-2	383961	385541	387087	385530	0.41	cps
Krypton	83-1	83	110	127	107	20.50	cps
Lead	206-1	4194564	4252383	4368649	4271865	2.08	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-13	Instrumnet Name :	P8
Client Sample ID :	MH2GY1	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:01:25	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3522966	3636622	3604916	3588168	1.63	cps
Lead	208-1	16278841	16668501	16857959	16601767	1.78	cps
Lithium	6-1	1051285	1086695	1123348	1087109	3.31	cps
Magnesium	24-2	640334	641349	644586	642090	0.35	cps
Manganese	55-2	2204353	2174715	2197955	2192341	0.71	cps
Molybdenum	94-1	23263	24161	23907	23777	1.95	cps
Molybdenum	95-1	9206	9250	9347	9268	0.77	cps
Molybdenum	96-1	12786	12886	13360	13011	2.36	cps
Molybdenum	97-1	5758	5751	5691	5733	0.64	cps
Molybdenum	98-1	14571	14805	14878	14751	1.09	cps
Neodymium	150-1	53483	54634	55441	54519	1.80	cps
Neodymium	150-2	12943	12966	12666	12858	1.30	cps
Nickel	60-2	31314	30927	31218	31153	0.65	cps
Phosphorus	31-2	1750	1707	1640	1699	3.26	cps
Potassium	39-2	192096	194140	193998	193411	0.59	cps
Rhodium	103-1	2782596	2874896	2927120	2861537	2.56	cps
Rhodium	103-2	980235	986268	998036	988179	0.92	cps
Scandium	45-1	1919640	1990276	1999918	1969945	2.23	cps
Scandium	45-2	30038	30950	31207	30732	2.00	cps
Selenium	82-1	107	77	33	72	51.05	cps
Selenium	77-2	50	37	30	39	26.18	cps
Selenium	78-2	17	33	27	26	32.81	cps
Silicon	28-1	36794454	37486178	37888082	37389571	1.48	cps
Silver	107-1	23971	24679	25474	24708	3.04	cps
Silver	109-1	23637	23427	24639	23901	2.71	cps
Sodium	23-2	87792	88147	88372	88104	0.33	cps
Strontium	86-1	1028700	1052605	1066717	1049341	1.83	cps
Strontium	88-1	9348231	9631537	9799281	9593016	2.38	cps
Sulfur	34-1	116611	119071	119975	118552	1.47	cps
Terbium	159-1	4285554	4362690	4431158	4359800	1.67	cps
Terbium	159-2	1288291	1296250	1296655	1293732	0.36	cps
Thallium	203-1	2560	2610	2417	2529	3.97	cps
Thallium	205-1	5775	6071	5885	5910	2.54	cps
Tin	118-1	42981	43783	44168	43644	1.39	cps
Titanium	47-1	233451	239896	241445	238264	1.78	cps
Uranium	238-1	86036	86849	88060	86982	1.17	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-13	Instrumnet Name :	P8
Client Sample ID :	MH2GY1	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:01:25	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	29644	29350	29217	29404	0.74	cps
Ytterbium	172-1	10955	11268	11145	11123	1.42	cps
Ytterbium	172-2	4471	4457	4541	4490	1.00	cps
Ytterbium	176-1	7429	7302	7369	7367	0.86	cps
Ytterbium	176-2	2940	3070	2900	2970	2.99	cps
Yttrium	89-1	5822901	5992470	6115872	5977081	2.46	cps
Yttrium	89-2	364757	367000	369509	367089	0.65	cps
Zinc	66-2	321685	323253	322274	322404	0.25	cps
Zirconium	90-1	48832	50441	51709	50327	2.86	cps
Zirconium	91-1	10914	11358	11245	11172	2.06	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-14	Instrumnet Name :	P8
Client Sample ID :	MH2GY2	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:04:42	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	126621	126638	126182	126480	0.20	cps
Antimony	121-1	10768	10744	11181	10898	2.26	cps
Arsenic	75-2	2344	2327	2357	2342	0.64	cps
Barium	135-1	665070	685064	685424	678519	1.72	cps
Barium	137-1	1162418	1192212	1200880	1185170	1.70	cps
Beryllium	9-1	2815	2966	2929	2903	2.71	cps
Bismuth	209-1	2732356	2734447	2773888	2746897	0.85	cps
Bismuth	209-2	976341	988045	994156	986180	0.92	cps
Bromine	81-1	3424	3594	3607	3542	2.89	cps
Cadmium	108-1	1273	1297	1373	1315	3.98	cps
Cadmium	106-1	3180	2994	3290	3155	4.75	cps
Cadmium	111-1	19153	19363	19648	19388	1.28	cps
Calcium	43-1	1425520	1476651	1454131	1452101	1.76	cps
Calcium	44-1	23141171	23495608	23330958	23322579	0.76	cps
Carbon	12-1	1329131	1395603	1417986	1380906	3.35	cps
Carbon	12-2	9897	9733	9266	9632	3.40	cps
Chlorine	35-1	33176132	35100289	36007679	34761366	4.16	cps
Chlorine	35-2	129362	130902	129530	129932	0.65	cps
Chromium	52-2	13416	13413	13069	13300	1.50	cps
Cobalt	59-2	25740	25633	26111	25828	0.97	cps
Copper	63-2	423531	428227	425283	425680	0.56	cps
Dysprosium	156-1	37573	37950	38870	38131	1.75	cps
Dysprosium	156-2	12196	11975	12336	12169	1.49	cps
Erbium	164-1	32313	33191	33432	32979	1.79	cps
Erbium	164-2	10688	10464	10674	10609	1.18	cps
Gadolinium	160-1	34799	36346	35838	35661	2.21	cps
Gadolinium	160-2	14061	14405	14201	14222	1.22	cps
Holmium	165-1	4178358	4311328	4289913	4259866	1.68	cps
Holmium	165-2	1356638	1356426	1356425	1356496	0.01	cps
Indium	115-1	3186300	3227691	3272679	3228890	1.34	cps
Indium	115-2	281339	282297	279960	281199	0.42	cps
Iron	54-2	953388	957242	956305	955645	0.21	cps
Iron	56-2	18527338	18538650	18589012	18551667	0.18	cps
Iron	57-2	446691	446103	452000	448265	0.72	cps
Krypton	83-1	90	60	97	82	23.76	cps
Lead	206-1	5219593	5409455	5426295	5351781	2.14	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-14	Instrumnet Name :	P8
Client Sample ID :	MH2GY2	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:04:42	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4426807	4554235	4544217	4508419	1.57	cps
Lead	208-1	20467614	20973586	21196595	20879265	1.79	cps
Lithium	6-1	1077914	1048041	1089876	1071944	2.01	cps
Magnesium	24-2	283809	280382	282097	282096	0.61	cps
Manganese	55-2	1844221	1815463	1828202	1829295	0.79	cps
Molybdenum	94-1	11358	11391	11525	11425	0.77	cps
Molybdenum	95-1	4808	4698	4901	4802	2.12	cps
Molybdenum	96-1	6872	6708	7012	6864	2.21	cps
Molybdenum	97-1	2927	2840	3004	2924	2.80	cps
Molybdenum	98-1	7475	7602	7289	7455	2.12	cps
Neodymium	150-1	53399	55169	55313	54627	1.95	cps
Neodymium	150-2	12930	13113	12840	12961	1.08	cps
Nickel	60-2	25082	24952	25733	25256	1.66	cps
Phosphorus	31-2	1697	1860	1887	1815	5.67	cps
Potassium	39-2	115416	116724	116878	116340	0.69	cps
Rhodium	103-1	2930387	2883968	2966466	2926940	1.41	cps
Rhodium	103-2	997928	1001975	1002257	1000720	0.24	cps
Scandium	45-1	1924973	1906658	1967793	1933141	1.62	cps
Scandium	45-2	30492	30542	30238	30424	0.54	cps
Selenium	82-1	63	130	53	82	50.69	cps
Selenium	77-2	37	53	33	41	26.06	cps
Selenium	78-2	13	13	7	11	34.61	cps
Silicon	28-1	15216493	15287136	15464458	15322695	0.83	cps
Silver	107-1	39928	41395	41125	40816	1.91	cps
Silver	109-1	38728	39547	39797	39357	1.42	cps
Sodium	23-2	52102	51172	52517	51931	1.33	cps
Strontium	86-1	610968	621311	629795	620692	1.52	cps
Strontium	88-1	5537659	5648982	5678302	5621648	1.32	cps
Sulfur	34-1	95854	97300	100545	97900	2.45	cps
Terbium	159-1	4298192	4303161	4404866	4335406	1.39	cps
Terbium	159-2	1289439	1296440	1298311	1294730	0.36	cps
Thallium	203-1	3217	3294	3234	3248	1.24	cps
Thallium	205-1	7726	7789	7539	7685	1.69	cps
Tin	118-1	70825	71920	71656	71467	0.80	cps
Titanium	47-1	101730	103469	103345	102848	0.94	cps
Uranium	238-1	55153	56362	56117	55877	1.14	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-14	Instrumnet Name :	P8
Client Sample ID :	MH2GY2	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:04:42	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	26678	26632	27052	26787	0.86	cps
Ytterbium	172-1	9620	9991	10071	9894	2.43	cps
Ytterbium	172-2	4137	3714	3734	3862	6.19	cps
Ytterbium	176-1	6405	6682	6588	6558	2.15	cps
Ytterbium	176-2	2627	2540	2540	2569	1.95	cps
Yttrium	89-1	6004082	5866207	6098718	5989669	1.95	cps
Yttrium	89-2	363512	365053	359296	362620	0.82	cps
Zinc	66-2	453273	456780	459006	456353	0.63	cps
Zirconium	90-1	22405	23563	23563	23177	2.89	cps
Zirconium	91-1	4954	5194	5374	5174	4.07	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-15	Instrumnet Name :	P8
Client Sample ID :	MH2GY3	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:08:02	DataFile Name :	043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	112937	113431	113884	113417	0.42	cps
Antimony	121-1	7115	7616	7539	7423	3.63	cps
Arsenic	75-2	1663	1797	1750	1737	3.90	cps
Barium	135-1	634447	646135	647281	642621	1.11	cps
Barium	137-1	1101762	1123351	1131682	1118932	1.38	cps
Beryllium	9-1	2247	2277	2299	2274	1.13	cps
Bismuth	209-1	2763080	2718421	2798456	2759986	1.45	cps
Bismuth	209-2	986468	993831	988375	989558	0.39	cps
Bromine	81-1	3961	4254	4124	4113	3.57	cps
Cadmium	108-1	760	837	837	811	5.46	cps
Cadmium	106-1	2544	2474	2574	2530	2.03	cps
Cadmium	111-1	12150	12811	13088	12683	3.80	cps
Calcium	43-1	1114306	1139196	1141623	1131708	1.34	cps
Calcium	44-1	18768760	19161671	19258947	19063126	1.36	cps
Carbon	12-1	1036474	1116195	1150636	1101102	5.32	cps
Carbon	12-2	7702	7619	7622	7648	0.62	cps
Chlorine	35-1	32418532	34272230	35489130	34059964	4.54	cps
Chlorine	35-2	125855	127156	127142	126718	0.59	cps
Chromium	52-2	13723	13813	13770	13769	0.33	cps
Cobalt	59-2	21944	21937	22378	22086	1.14	cps
Copper	63-2	258552	261311	260976	260280	0.58	cps
Dysprosium	156-1	40802	42805	42868	42158	2.79	cps
Dysprosium	156-2	13403	13250	12946	13200	1.76	cps
Erbium	164-1	34327	35333	35053	34905	1.49	cps
Erbium	164-2	11468	10918	11238	11208	2.47	cps
Gadolinium	160-1	38211	38154	38927	38431	1.12	cps
Gadolinium	160-2	14968	15422	15613	15334	2.16	cps
Holmium	165-1	4230811	4307876	4324276	4287654	1.16	cps
Holmium	165-2	1358995	1365482	1367863	1364113	0.34	cps
Indium	115-1	3199378	3217887	3255410	3224225	0.89	cps
Indium	115-2	281743	282982	282274	282333	0.22	cps
Iron	54-2	667377	668214	671242	668944	0.30	cps
Iron	56-2	13209780	13003713	13144490	13119328	0.80	cps
Iron	57-2	314862	312897	313083	313614	0.35	cps
Krypton	83-1	100	77	87	88	13.33	cps
Lead	206-1	3428252	3536786	3547823	3504287	1.89	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-15	Instrumnet Name :	P8
Client Sample ID :	MH2GY3	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:08:02	DataFile Name :	043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2875278	2944961	2938872	2919703	1.32	cps
Lead	208-1	13364314	13693439	13640831	13566195	1.30	cps
Lithium	6-1	1052566	1070580	1088975	1070707	1.70	cps
Magnesium	24-2	221198	222288	221713	221733	0.25	cps
Manganese	55-2	1095740	1098298	1104763	1099601	0.42	cps
Molybdenum	94-1	9180	9553	9557	9430	2.30	cps
Molybdenum	95-1	5274	5308	5558	5380	2.88	cps
Molybdenum	96-1	6892	7008	6765	6888	1.77	cps
Molybdenum	97-1	3290	3174	3297	3254	2.13	cps
Molybdenum	98-1	8179	8723	8706	8536	3.62	cps
Neodymium	150-1	63014	64430	64645	64030	1.38	cps
Neodymium	150-2	14748	15018	15342	15036	1.98	cps
Nickel	60-2	47007	46218	45325	46183	1.82	cps
Phosphorus	31-2	1580	1543	1587	1570	1.49	cps
Potassium	39-2	106969	108692	109518	108393	1.20	cps
Rhodium	103-1	2908681	2936400	2900200	2915094	0.65	cps
Rhodium	103-2	1009639	1013605	1016086	1013110	0.32	cps
Scandium	45-1	1930096	1902391	1956509	1929665	1.40	cps
Scandium	45-2	30479	29520	31184	30394	2.75	cps
Selenium	82-1	23	140	60	74	80.13	cps
Selenium	77-2	63	33	30	42	43.48	cps
Selenium	78-2	27	30	37	31	16.37	cps
Silicon	28-1	12218760	12345089	12334727	12299526	0.57	cps
Silver	107-1	24959	24789	25804	25184	2.16	cps
Silver	109-1	23861	23968	24265	24031	0.87	cps
Sodium	23-2	46079	46494	46253	46275	0.45	cps
Strontium	86-1	450334	460262	463974	458190	1.54	cps
Strontium	88-1	4158843	4225443	4212811	4199032	0.84	cps
Sulfur	34-1	94770	96351	96280	95801	0.93	cps
Terbium	159-1	4317739	4389453	4403850	4370348	1.06	cps
Terbium	159-2	1318513	1312723	1304942	1312059	0.52	cps
Thallium	203-1	2254	2494	2204	2317	6.69	cps
Thallium	205-1	5485	5795	5848	5709	3.44	cps
Tin	118-1	42880	44940	44799	44207	2.60	cps
Titanium	47-1	60396	60370	61411	60725	0.98	cps
Uranium	238-1	43795	44625	43648	44023	1.20	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-15	Instrumnet Name :	P8
Client Sample ID :	MH2GY3	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:08:02	DataFile Name :	043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	28532	29888	29671	29363	2.48	cps
Ytterbium	172-1	10267	10174	10207	10216	0.46	cps
Ytterbium	172-2	4254	4007	3914	4058	4.33	cps
Ytterbium	176-1	6602	6505	6929	6678	3.32	cps
Ytterbium	176-2	2687	2597	2660	2648	1.75	cps
Yttrium	89-1	5982981	5998194	6016828	5999334	0.28	cps
Yttrium	89-2	363200	365134	365495	364610	0.34	cps
Zinc	66-2	270486	271331	270587	270801	0.17	cps
Zirconium	90-1	17157	17968	17414	17513	2.37	cps
Zirconium	91-1	3837	3964	3951	3917	1.78	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-16	Instrumnet Name :	P8
Client Sample ID :	MH2GY4	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:11:21	DataFile Name :	044AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	177508	179742	177815	178355	0.68	cps
Antimony	121-1	12556	12733	12312	12534	1.68	cps
Arsenic	75-2	1317	1430	1437	1395	4.84	cps
Barium	135-1	553944	564356	570737	563012	1.51	cps
Barium	137-1	961751	986432	990555	979579	1.59	cps
Beryllium	9-1	3495	3467	3613	3525	2.19	cps
Bismuth	209-1	2655285	2594977	2690237	2646833	1.82	cps
Bismuth	209-2	967543	961410	965401	964784	0.32	cps
Bromine	81-1	3777	4047	4177	4001	5.10	cps
Cadmium	108-1	770	790	667	742	8.92	cps
Cadmium	106-1	2424	2340	2527	2430	3.85	cps
Cadmium	111-1	9840	10352	10465	10219	3.26	cps
Calcium	43-1	1751030	1770114	1832102	1784415	2.38	cps
Calcium	44-1	28385060	28786095	29021986	28731047	1.12	cps
Carbon	12-1	1409809	1494650	1496310	1466923	3.37	cps
Carbon	12-2	10450	10367	10330	10383	0.59	cps
Chlorine	35-1	30773733	32847660	33692858	32438084	4.63	cps
Chlorine	35-2	121982	122825	124701	123169	1.13	cps
Chromium	52-2	98205	96687	96962	97285	0.83	cps
Cobalt	59-2	19854	19904	19754	19837	0.39	cps
Copper	63-2	172631	172574	173887	173031	0.43	cps
Dysprosium	156-1	42213	43377	43634	43075	1.76	cps
Dysprosium	156-2	13056	12523	12259	12613	3.22	cps
Erbium	164-1	33462	33519	33846	33609	0.62	cps
Erbium	164-2	10998	11405	10488	10963	4.19	cps
Gadolinium	160-1	37429	36934	37609	37324	0.94	cps
Gadolinium	160-2	14742	14862	15152	14918	1.41	cps
Holmium	165-1	4271070	4308206	4335976	4305084	0.76	cps
Holmium	165-2	1349927	1351630	1364946	1355501	0.61	cps
Indium	115-1	3187334	3178848	3255576	3207252	1.31	cps
Indium	115-2	276950	279544	279829	278774	0.57	cps
Iron	54-2	1105277	1107861	1110821	1107986	0.25	cps
Iron	56-2	21353221	21493712	21348188	21398374	0.39	cps
Iron	57-2	514164	518055	519089	517103	0.50	cps
Krypton	83-1	90	103	77	90	14.81	cps
Lead	206-1	3343600	3350308	3381962	3358623	0.61	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-16	Instrumnet Name :	P8
Client Sample ID :	MH2GY4	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:11:21	DataFile Name :	044AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2747040	2824088	2806056	2792395	1.44	cps
Lead	208-1	12731637	12960361	13053180	12915059	1.28	cps
Lithium	6-1	1065420	1066204	1070502	1067375	0.26	cps
Magnesium	24-2	707725	712073	705689	708496	0.46	cps
Manganese	55-2	1492567	1481191	1474378	1482712	0.62	cps
Molybdenum	94-1	18876	19263	19607	19249	1.90	cps
Molybdenum	95-1	7019	7435	7302	7252	2.94	cps
Molybdenum	96-1	10017	10417	10804	10413	3.78	cps
Molybdenum	97-1	4441	4361	4434	4412	1.01	cps
Molybdenum	98-1	11491	11772	11121	11462	2.85	cps
Neodymium	150-1	62290	63754	65160	63735	2.25	cps
Neodymium	150-2	14795	15325	15346	15155	2.06	cps
Nickel	60-2	22167	21900	22538	22202	1.44	cps
Phosphorus	31-2	1900	1910	1953	1921	1.48	cps
Potassium	39-2	175081	176592	175496	175723	0.44	cps
Rhodium	103-1	2853311	2879119	2891267	2874566	0.67	cps
Rhodium	103-2	990032	996329	997225	994529	0.39	cps
Scandium	45-1	1905437	1919106	1951976	1925506	1.24	cps
Scandium	45-2	29848	30168	30419	30145	0.95	cps
Selenium	82-1	57	53	73	61	17.53	cps
Selenium	77-2	33	53	37	41	26.06	cps
Selenium	78-2	23	10	17	17	39.99	cps
Silicon	28-1	31652360	32122979	32263352	32012897	1.00	cps
Silver	107-1	13570	14698	14544	14271	4.29	cps
Silver	109-1	13650	13930	14064	13882	1.52	cps
Sodium	23-2	79927	81288	79277	80164	1.28	cps
Strontium	86-1	686702	699814	707417	697977	1.50	cps
Strontium	88-1	6303905	6313300	6398140	6338449	0.82	cps
Sulfur	34-1	111122	114656	115647	113808	2.09	cps
Terbium	159-1	4353424	4355219	4332155	4346933	0.30	cps
Terbium	159-2	1288925	1294459	1301285	1294890	0.48	cps
Thallium	203-1	1003	1007	1110	1040	5.83	cps
Thallium	205-1	2544	2380	2560	2495	3.99	cps
Tin	118-1	37769	38781	39390	38647	2.12	cps
Titanium	47-1	170854	175566	175671	174030	1.58	cps
Uranium	238-1	57634	58267	58401	58100	0.71	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-16	Instrumnet Name :	P8
Client Sample ID :	MH2GY4	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:11:21	DataFile Name :	044AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	36837	36687	36176	36567	0.95	cps
Ytterbium	172-1	9737	9894	10344	9992	3.15	cps
Ytterbium	172-2	3791	3811	3781	3794	0.40	cps
Ytterbium	176-1	6698	6612	6798	6703	1.39	cps
Ytterbium	176-2	2494	2560	2477	2510	1.76	cps
Yttrium	89-1	5916551	5953853	5913525	5927976	0.38	cps
Yttrium	89-2	360936	362459	363161	362185	0.31	cps
Zinc	66-2	377745	378695	378622	378354	0.14	cps
Zirconium	90-1	39837	40569	40636	40347	1.10	cps
Zirconium	91-1	9076	8446	9140	8887	4.32	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-17	Instrumnet Name :	P8
Client Sample ID :	MH2GY5	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:14:41	DataFile Name :	045AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	167451	167104	167623	167392	0.16	cps
Antimony	121-1	10724	11255	10831	10937	2.57	cps
Arsenic	75-2	3160	3180	3267	3203	1.77	cps
Barium	135-1	666458	675513	682920	674964	1.22	cps
Barium	137-1	1161813	1187921	1186355	1178696	1.24	cps
Beryllium	9-1	3624	3678	3653	3651	0.74	cps
Bismuth	209-1	2701397	2700010	2723170	2708192	0.48	cps
Bismuth	209-2	967083	971085	975211	971126	0.42	cps
Bromine	81-1	4497	4521	4574	4531	0.87	cps
Cadmium	108-1	1520	1423	1490	1478	3.35	cps
Cadmium	106-1	3274	3530	3560	3455	4.56	cps
Cadmium	111-1	21152	22221	21841	21738	2.49	cps
Calcium	43-1	2004988	1995238	2011455	2003894	0.41	cps
Calcium	44-1	32043372	32261084	32542173	32282210	0.77	cps
Carbon	12-1	1508492	1612231	1620061	1580261	3.94	cps
Carbon	12-2	11084	11294	10834	11071	2.08	cps
Chlorine	35-1	30984165	33225403	34331234	32846934	5.19	cps
Chlorine	35-2	122970	124577	124600	124049	0.75	cps
Chromium	52-2	42429	42744	42998	42724	0.67	cps
Cobalt	59-2	25389	26107	26171	25889	1.68	cps
Copper	63-2	412680	415254	416787	414907	0.50	cps
Dysprosium	156-1	39468	40073	40725	40089	1.57	cps
Dysprosium	156-2	12259	12469	12516	12415	1.10	cps
Erbium	164-1	33168	33155	34217	33513	1.82	cps
Erbium	164-2	10915	10995	11225	11045	1.46	cps
Gadolinium	160-1	36269	36610	36894	36591	0.86	cps
Gadolinium	160-2	14692	14415	14324	14477	1.32	cps
Holmium	165-1	4270574	4201040	4272833	4248149	0.96	cps
Holmium	165-2	1339901	1342622	1338478	1340334	0.16	cps
Indium	115-1	3211003	3241211	3224414	3225543	0.47	cps
Indium	115-2	275320	276041	278467	276609	0.60	cps
Iron	54-2	1089684	1092801	1091986	1091490	0.15	cps
Iron	56-2	21205657	21247352	21308055	21253688	0.24	cps
Iron	57-2	510063	512405	510218	510896	0.26	cps
Krypton	83-1	93	77	73	81	13.21	cps
Lead	206-1	5771611	5880539	5783119	5811756	1.03	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-17	Instrumnet Name :	P8
Client Sample ID :	MH2GY5	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:14:41	DataFile Name :	045AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4875420	4944143	4869526	4896363	0.85	cps
Lead	208-1	22416658	22775602	22841924	22678061	1.01	cps
Lithium	6-1	1062358	1070525	1079740	1070874	0.81	cps
Magnesium	24-2	472315	473238	472645	472733	0.10	cps
Manganese	55-2	1935143	1940341	1921843	1932442	0.49	cps
Molybdenum	94-1	15011	15032	15282	15108	1.00	cps
Molybdenum	95-1	5841	5398	5431	5557	4.45	cps
Molybdenum	96-1	8049	8319	8386	8251	2.16	cps
Molybdenum	97-1	3300	3474	3450	3408	2.76	cps
Molybdenum	98-1	8876	8920	9000	8932	0.70	cps
Neodymium	150-1	57854	60961	60385	59733	2.77	cps
Neodymium	150-2	14184	14104	13901	14063	1.04	cps
Nickel	60-2	27991	27577	28165	27911	1.08	cps
Phosphorus	31-2	1730	1633	1680	1681	2.88	cps
Potassium	39-2	149856	152684	150653	151064	0.97	cps
Rhodium	103-1	2836662	2843944	2840503	2840369	0.13	cps
Rhodium	103-2	982505	983722	976852	981026	0.37	cps
Scandium	45-1	1901633	1899654	1938038	1913108	1.13	cps
Scandium	45-2	29781	30800	29687	30089	2.05	cps
Selenium	82-1	90	50	60	67	31.23	cps
Selenium	77-2	53	47	37	46	18.41	cps
Selenium	78-2	23	17	30	23	28.56	cps
Silicon	28-1	24583459	24805183	25079358	24822667	1.00	cps
Silver	107-1	39038	39105	39744	39296	0.99	cps
Silver	109-1	37882	37551	38276	37903	0.96	cps
Sodium	23-2	67257	67009	68242	67503	0.97	cps
Strontium	86-1	760455	777039	781341	772945	1.43	cps
Strontium	88-1	6927673	7097486	7138504	7054554	1.58	cps
Sulfur	34-1	108382	110363	111209	109984	1.32	cps
Terbium	159-1	4334530	4329435	4363216	4342393	0.42	cps
Terbium	159-2	1276486	1287319	1283314	1282373	0.43	cps
Thallium	203-1	2467	2434	2347	2416	2.56	cps
Thallium	205-1	6081	5811	5935	5943	2.28	cps
Tin	118-1	51312	51650	51711	51558	0.42	cps
Titanium	47-1	132313	135075	134103	133830	1.05	cps
Uranium	238-1	54985	54179	56793	55319	2.42	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-17	Instrumnet Name :	P8
Client Sample ID :	MH2GY5	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:14:41	DataFile Name :	045AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	36426	36553	36560	36513	0.21	cps
Ytterbium	172-1	9727	10254	10161	10047	2.80	cps
Ytterbium	172-2	3934	4047	4174	4052	2.96	cps
Ytterbium	176-1	6702	6965	6775	6814	2.00	cps
Ytterbium	176-2	2714	2587	2754	2685	3.24	cps
Yttrium	89-1	5923722	5872473	5920219	5905471	0.48	cps
Yttrium	89-2	357301	361968	359962	359744	0.65	cps
Zinc	66-2	494732	493036	495082	494283	0.22	cps
Zirconium	90-1	32448	33868	33250	33188	2.15	cps
Zirconium	91-1	7212	7345	7572	7376	2.47	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCV014	Instrumnet Name :	P8
Client Sample ID :	CCV014	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:17:58	DataFile Name :	046CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	416603	411349	412476	413476	0.67	cps
Antimony	121-1	1621148	1609621	1619139	1616636	0.38	cps
Arsenic	75-2	24538	24498	24218	24418	0.72	cps
Barium	135-1	2008006	2013010	1968488	1996501	1.22	cps
Barium	137-1	3466845	3420360	3397642	3428283	1.03	cps
Beryllium	9-1	353119	351849	349881	351616	0.46	cps
Bismuth	209-1	2260450	2227891	2197146	2228496	1.42	cps
Bismuth	209-2	806675	805929	802900	805168	0.25	cps
Bromine	81-1	2097	1900	1900	1966	5.78	cps
Cadmium	108-1	27862	27387	26699	27316	2.14	cps
Cadmium	106-1	38681	40138	39603	39474	1.87	cps
Cadmium	111-1	355792	356530	354425	355582	0.30	cps
Calcium	43-1	2184300	2212306	2183336	2193314	0.75	cps
Calcium	44-1	35763270	35269648	35435818	35489579	0.71	cps
Carbon	12-1	698098	710754	714647	707833	1.22	cps
Carbon	12-2	4811	4854	4764	4810	0.94	cps
Chlorine	35-1	2030698	1843864	1733679	1869414	8.03	cps
Chlorine	35-2	5154	4904	4778	4945	3.88	cps
Chromium	52-2	231770	229854	232170	231265	0.54	cps
Cobalt	59-2	448461	445656	445070	446395	0.41	cps
Copper	63-2	3529813	3489745	3493637	3504398	0.63	cps
Dysprosium	156-1	363	397	440	400	9.61	cps
Dysprosium	156-2	43	43	47	44	4.34	cps
Erbium	164-1	113	133	63	103	34.90	cps
Erbium	164-2	23	27	37	29	24.03	cps
Gadolinium	160-1	113	70	97	93	23.42	cps
Gadolinium	160-2	10	37	33	27	54.49	cps
Holmium	165-1	3773992	3740143	3713127	3742420	0.81	cps
Holmium	165-2	1192967	1193863	1173027	1186619	0.99	cps
Indium	115-1	2715038	2705324	2661647	2694003	1.06	cps
Indium	115-2	233045	233110	230601	232252	0.62	cps
Iron	54-2	2404389	2418081	2447510	2423327	0.91	cps
Iron	56-2	44560209	44234949	43975609	44256923	0.66	cps
Iron	57-2	1075483	1065969	1060559	1067337	0.71	cps
Krypton	83-1	60	63	47	57	15.56	cps
Lead	206-1	6333150	6459645	6284538	6359111	1.42	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCV014	Instrumnet Name :	P8
Client Sample ID :	CCV014	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:17:58	DataFile Name :	046CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	5466264	5426524	5440510	5444433	0.37	cps
Lead	208-1	25222434	25370823	25034114	25209124	0.67	cps
Lithium	6-1	886929	874103	866191	875741	1.20	cps
Magnesium	24-2	7295635	7192405	7206055	7231365	0.78	cps
Manganese	55-2	965272	956017	955029	958773	0.59	cps
Molybdenum	94-1	5372619	5332180	5340818	5348539	0.40	cps
Molybdenum	95-1	7637879	7659014	7600402	7632432	0.39	cps
Molybdenum	96-1	8393612	8358295	8334196	8362034	0.36	cps
Molybdenum	97-1	4692729	4709777	4766919	4723142	0.82	cps
Molybdenum	98-1	12363711	12369484	12352214	12361803	0.07	cps
Neodymium	150-1	177	193	203	191	7.05	cps
Neodymium	150-2	7	3	27	12	103.26	cps
Nickel	60-2	124051	123174	122615	123280	0.59	cps
Phosphorus	31-2	4111	3727	3894	3911	4.92	cps
Potassium	39-2	2235376	2206299	2204570	2215415	0.78	cps
Rhodium	103-1	2407503	2400013	2351230	2386249	1.28	cps
Rhodium	103-2	806579	799785	798768	801710	0.53	cps
Scandium	45-1	1639672	1657345	1659043	1652020	0.65	cps
Scandium	45-2	25296	25022	25703	25340	1.35	cps
Selenium	82-1	21366	21483	21253	21368	0.54	cps
Selenium	77-2	320	347	193	287	28.58	cps
Selenium	78-2	993	957	1070	1007	5.74	cps
Silicon	28-1	15267252	15419468	15167184	15284635	0.83	cps
Silver	107-1	1874120	1849609	1825305	1849678	1.32	cps
Silver	109-1	1805327	1767363	1759934	1777542	1.37	cps
Sodium	23-2	14367173	14292880	14198708	14286254	0.59	cps
Strontium	86-1	492458	495900	492752	493703	0.39	cps
Strontium	88-1	4473922	4553088	4466713	4497908	1.07	cps
Sulfur	34-1	203806	200710	200149	201555	0.98	cps
Terbium	159-1	3969995	3861091	3731535	3854207	3.10	cps
Terbium	159-2	1125537	1133756	1137803	1132365	0.55	cps
Thallium	203-1	1543713	1539473	1538835	1540673	0.17	cps
Thallium	205-1	3886963	3909180	3809693	3868612	1.35	cps
Tin	118-1	1228145	1213875	1206842	1216287	0.89	cps
Titanium	47-1	1972321	2004080	1962731	1979711	1.09	cps
Uranium	238-1	5266844	5232710	5295811	5265122	0.60	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCV014	Instrumnet Name :	P8
Client Sample ID :	CCV014	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:17:58	DataFile Name :	046CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	187446	185877	187919	187081	0.57	cps
Ytterbium	172-1	123	130	137	130	5.13	cps
Ytterbium	172-2	40	37	23	33	26.47	cps
Ytterbium	176-1	7819	7812	7832	7821	0.13	cps
Ytterbium	176-2	2507	2504	2434	2481	1.67	cps
Yttrium	89-1	4695311	4719126	4664505	4692981	0.58	cps
Yttrium	89-2	287453	283558	282081	284364	0.98	cps
Zinc	66-2	366244	367108	366117	366490	0.15	cps
Zirconium	90-1	2727474	2697210	2715864	2713516	0.56	cps
Zirconium	91-1	569442	567948	562529	566640	0.64	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCB014	Instrumnet Name :	P8
Client Sample ID :	CCB014	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:21:04	DataFile Name :	047CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	20	10	23	18	39.03	cps
Antimony	121-1	483	447	417	449	7.44	cps
Arsenic	75-2	3	3	7	4	43.40	cps
Barium	135-1	430	350	283	354	20.72	cps
Barium	137-1	613	590	543	582	6.12	cps
Beryllium	9-1	256	229	229	238	6.67	cps
Bismuth	209-1	2486362	2455956	2459266	2467195	0.68	cps
Bismuth	209-2	903737	902183	906352	904091	0.23	cps
Bromine	81-1	1770	1623	1877	1757	7.24	cps
Cadmium	108-1	3	7	10	7	50.03	cps
Cadmium	106-1	1017	1050	1050	1039	1.85	cps
Cadmium	111-1	753	777	781	770	2.01	cps
Calcium	43-1	230	177	150	186	21.95	cps
Calcium	44-1	3500	2770	2667	2979	15.25	cps
Carbon	12-1	594823	588013	587743	590193	0.68	cps
Carbon	12-2	3604	3384	3617	3535	3.71	cps
Chlorine	35-1	828953	778234	733091	780093	6.15	cps
Chlorine	35-2	2474	2327	2490	2430	3.70	cps
Chromium	52-2	127	127	143	132	7.28	cps
Cobalt	59-2	90	73	47	70	31.22	cps
Copper	63-2	850	810	773	811	4.73	cps
Dysprosium	156-1	140	193	147	160	18.16	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	20	23	23	22	8.65	cps
Erbium	164-2	10	0	10	7	86.60	cps
Gadolinium	160-1	7	13	17	12	41.65	cps
Gadolinium	160-2	3	0	3	2	86.60	cps
Holmium	165-1	3795186	3741851	3738472	3758503	0.85	cps
Holmium	165-2	1204188	1206207	1209267	1206554	0.21	cps
Indium	115-1	2851657	2850363	2802461	2834827	0.99	cps
Indium	115-2	249826	249010	250123	249653	0.23	cps
Iron	54-2	333	297	290	307	7.61	cps
Iron	56-2	5381	5114	4998	5164	3.81	cps
Iron	57-2	147	130	150	142	7.53	cps
Krypton	83-1	30	40	40	37	15.75	cps
Lead	206-1	1287	1047	907	1080	17.80	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCB014	Instrumnet Name :	P8
Client Sample ID :	CCB014	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:21:04	DataFile Name :	047CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	960	903	717	860	14.81	cps
Lead	208-1	4657	3887	3630	4058	13.17	cps
Lithium	6-1	884172	882488	877112	881257	0.42	cps
Magnesium	24-2	690	653	683	676	2.89	cps
Manganese	55-2	323	343	293	320	7.86	cps
Molybdenum	94-1	423	390	427	413	4.91	cps
Molybdenum	95-1	660	477	430	522	23.28	cps
Molybdenum	96-1	710	557	627	631	12.16	cps
Molybdenum	97-1	393	280	230	301	27.79	cps
Molybdenum	98-1	947	717	667	777	19.23	cps
Neodymium	150-1	3	10	7	7	50.03	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	303	360	350	338	8.95	cps
Phosphorus	31-2	3	0	3	2	86.60	cps
Potassium	39-2	3484	3437	3347	3423	2.03	cps
Rhodium	103-1	2617251	2589897	2586021	2597723	0.66	cps
Rhodium	103-2	893867	900209	896082	896719	0.36	cps
Scandium	45-1	1655117	1642875	1634566	1644186	0.63	cps
Scandium	45-2	25469	24928	25413	25270	1.18	cps
Selenium	82-1	13	-3	20	10	120.16	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	3	3	2	86.60	cps
Silicon	28-1	92334	90600	89758	90897	1.45	cps
Silver	107-1	323	270	267	287	11.09	cps
Silver	109-1	270	287	227	261	11.86	cps
Sodium	23-2	16867	17364	16743	16991	1.93	cps
Strontium	86-1	97	83	117	99	16.97	cps
Strontium	88-1	400	357	390	382	5.94	cps
Sulfur	34-1	78974	76326	77382	77561	1.72	cps
Terbium	159-1	3854962	3805552	3865117	3841877	0.83	cps
Terbium	159-2	1154754	1152965	1148684	1152134	0.27	cps
Thallium	203-1	423	377	273	358	21.46	cps
Thallium	205-1	843	750	693	762	9.94	cps
Tin	118-1	443	363	473	427	13.33	cps
Titanium	47-1	387	103	63	185	95.59	cps
Uranium	238-1	313	243	240	266	15.59	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCB014	Instrumnet Name :	P8
Client Sample ID :	CCB014	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:21:04	DataFile Name :	047CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	3	0	7	3	100.05	cps
Ytterbium	172-1	17	23	17	19	20.36	cps
Ytterbium	172-2	13	3	3	7	86.65	cps
Ytterbium	176-1	410	380	373	388	5.04	cps
Ytterbium	176-2	50	47	47	48	4.02	cps
Yttrium	89-1	4747300	4718715	4625279	4697098	1.36	cps
Yttrium	89-2	289026	289891	287754	288890	0.37	cps
Zinc	66-2	73	97	80	83	14.43	cps
Zirconium	90-1	367	307	293	322	12.12	cps
Zirconium	91-1	60	53	53	56	6.93	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-18	Instrumnet Name :	P8
Client Sample ID :	MH2GY6	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:26:34	DataFile Name :	048AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	90744	92253	92273	91757	0.96	cps
Antimony	121-1	7505	7689	7849	7681	2.24	cps
Arsenic	75-2	2527	2687	2774	2663	4.70	cps
Barium	135-1	483525	499197	510716	497813	2.74	cps
Barium	137-1	849229	873006	882253	868163	1.96	cps
Beryllium	9-1	1862	1847	2025	1912	5.15	cps
Bismuth	209-1	2541713	2503743	2607056	2550837	2.05	cps
Bismuth	209-2	966942	966474	907569	946995	3.61	cps
Bromine	81-1	3444	3897	4001	3781	7.83	cps
Cadmium	108-1	927	987	917	943	4.01	cps
Cadmium	106-1	2447	2630	2507	2528	3.70	cps
Cadmium	111-1	13603	14500	14483	14196	3.61	cps
Calcium	43-1	1169987	1244811	1271175	1228658	4.27	cps
Calcium	44-1	19554300	20100988	20531852	20062380	2.44	cps
Carbon	12-1	763523	801989	828401	797971	4.09	cps
Carbon	12-2	5091	5104	5181	5125	0.95	cps
Chlorine	35-1	26499894	28949315	30106653	28518621	6.46	cps
Chlorine	35-2	113127	111979	115379	113495	1.52	cps
Chromium	52-2	10237	10230	10264	10244	0.17	cps
Cobalt	59-2	20471	20051	20598	20374	1.41	cps
Copper	63-2	315525	317500	319983	317669	0.70	cps
Dysprosium	156-1	38308	39562	39829	39233	2.07	cps
Dysprosium	156-2	13060	12976	12920	12985	0.54	cps
Erbium	164-1	32496	32797	33937	33077	2.30	cps
Erbium	164-2	11295	10965	11161	11140	1.49	cps
Gadolinium	160-1	35718	35998	36995	36237	1.85	cps
Gadolinium	160-2	15125	14758	14588	14824	1.85	cps
Holmium	165-1	3911352	4014551	4032990	3986298	1.64	cps
Holmium	165-2	1345526	1332141	1259722	1312463	3.52	cps
Indium	115-1	2943959	3017232	3029055	2996748	1.54	cps
Indium	115-2	275007	275267	256322	268866	4.04	cps
Iron	54-2	509027	514657	516645	513443	0.77	cps
Iron	56-2	9862530	9940646	10024178	9942451	0.81	cps
Iron	57-2	236896	241129	242861	240295	1.28	cps
Krypton	83-1	87	87	80	84	4.56	cps
Lead	206-1	3265794	3398467	3421091	3361784	2.50	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-18	Instrumnet Name :	P8
Client Sample ID :	MH2GY6	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:26:34	DataFile Name :	048AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2789892	2879000	2882307	2850400	1.84	cps
Lead	208-1	12875368	13285244	13417896	13192836	2.14	cps
Lithium	6-1	947084	966842	994142	969356	2.44	cps
Magnesium	24-2	198974	198667	200553	199398	0.51	cps
Manganese	55-2	951025	955460	964000	956828	0.69	cps
Molybdenum	94-1	8419	8373	8529	8440	0.95	cps
Molybdenum	95-1	3444	3597	3791	3611	4.81	cps
Molybdenum	96-1	5174	5164	5191	5177	0.26	cps
Molybdenum	97-1	2364	2410	2244	2339	3.68	cps
Molybdenum	98-1	5444	5975	6258	5892	7.01	cps
Neodymium	150-1	56492	58065	59528	58028	2.62	cps
Neodymium	150-2	14164	13937	14324	14142	1.38	cps
Nickel	60-2	18108	18145	18616	18290	1.55	cps
Phosphorus	31-2	1337	1467	1440	1415	4.85	cps
Potassium	39-2	77215	78190	77982	77796	0.66	cps
Rhodium	103-1	2620970	2631467	2672343	2641594	1.03	cps
Rhodium	103-2	976225	977591	915841	956552	3.69	cps
Scandium	45-1	1681833	1753146	1767630	1734203	2.65	cps
Scandium	45-2	29297	29210	27560	28689	3.41	cps
Selenium	82-1	33	63	37	44	36.99	cps
Selenium	77-2	43	33	37	38	13.48	cps
Selenium	78-2	23	27	23	24	7.89	cps
Silicon	28-1	6177108	6439430	6476440	6364326	2.56	cps
Silver	107-1	26452	27274	27464	27063	1.99	cps
Silver	109-1	24876	26268	25941	25695	2.83	cps
Sodium	23-2	43959	44865	45106	44644	1.35	cps
Strontium	86-1	407162	419515	426304	417660	2.32	cps
Strontium	88-1	3711781	3748427	3963815	3808008	3.58	cps
Sulfur	34-1	88059	91278	91929	90422	2.29	cps
Terbium	159-1	3985498	4065607	4112824	4054643	1.59	cps
Terbium	159-2	1286180	1270407	1196081	1250889	3.85	cps
Thallium	203-1	2484	2444	2904	2610	9.76	cps
Thallium	205-1	6312	6438	6375	6375	0.99	cps
Tin	118-1	25865	26335	26796	26332	1.77	cps
Titanium	47-1	46361	47639	48896	47632	2.66	cps
Uranium	238-1	30914	31158	31680	31251	1.25	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-18	Instrumnet Name :	P8
Client Sample ID :	MH2GY6	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:26:34	DataFile Name :	048AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	28208	27911	28478	28199	1.01	cps
Ytterbium	172-1	9183	9770	9700	9551	3.36	cps
Ytterbium	172-2	3907	3967	3907	3927	0.88	cps
Ytterbium	176-1	6238	6452	6638	6443	3.11	cps
Ytterbium	176-2	2427	2780	2627	2611	6.79	cps
Yttrium	89-1	5319672	5404687	5512250	5412203	1.78	cps
Yttrium	89-2	355922	353879	332559	347454	3.72	cps
Zinc	66-2	206258	207942	210800	208333	1.10	cps
Zirconium	90-1	16677	16940	16690	16769	0.89	cps
Zirconium	91-1	3781	3824	3847	3817	0.89	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-19	Instrumnet Name :	P8
Client Sample ID :	MH2GY7	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:29:54	DataFile Name :	049AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	84503	85456	85637	85198	0.71	cps
Antimony	121-1	3964	4034	3877	3958	1.98	cps
Arsenic	75-2	1127	1263	1070	1153	8.62	cps
Barium	135-1	468110	480000	482075	476729	1.58	cps
Barium	137-1	815009	833364	836779	828384	1.41	cps
Beryllium	9-1	1439	1521	1521	1494	3.19	cps
Bismuth	209-1	2567067	2592045	2632623	2597245	1.27	cps
Bismuth	209-2	946380	951708	951433	949840	0.32	cps
Bromine	81-1	4264	4537	4764	4522	5.54	cps
Cadmium	108-1	317	330	247	298	15.03	cps
Cadmium	106-1	1743	1797	1783	1775	1.56	cps
Cadmium	111-1	5126	5284	5470	5293	3.25	cps
Calcium	43-1	1450944	1495576	1522391	1489637	2.42	cps
Calcium	44-1	23875050	24209429	24470157	24184879	1.23	cps
Carbon	12-1	803636	729469	757431	763512	4.91	cps
Carbon	12-2	5051	5461	5548	5353	4.96	cps
Chlorine	35-1	32453487	35553937	36524630	34844018	6.10	cps
Chlorine	35-2	132227	133438	133721	133129	0.60	cps
Chromium	52-2	7952	7405	7529	7629	3.76	cps
Cobalt	59-2	14377	14374	14474	14408	0.39	cps
Copper	63-2	83493	83332	83570	83465	0.15	cps
Dysprosium	156-1	40789	42868	43059	42239	2.98	cps
Dysprosium	156-2	13687	13290	13714	13564	1.75	cps
Erbium	164-1	35387	36376	36644	36136	1.83	cps
Erbium	164-2	11732	11992	11915	11880	1.13	cps
Gadolinium	160-1	39187	40144	39929	39753	1.26	cps
Gadolinium	160-2	15649	16090	15783	15841	1.43	cps
Holmium	165-1	4096463	4119788	4208882	4141711	1.43	cps
Holmium	165-2	1332021	1330577	1334536	1332378	0.15	cps
Indium	115-1	3093225	3150821	3126775	3123607	0.93	cps
Indium	115-2	272663	272732	272257	272551	0.09	cps
Iron	54-2	219994	221064	218690	219916	0.54	cps
Iron	56-2	4244618	4278697	4287889	4270401	0.53	cps
Iron	57-2	103240	102612	103247	103033	0.35	cps
Krypton	83-1	100	97	87	94	7.35	cps
Lead	206-1	752404	764022	767170	761199	1.02	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-19	Instrumnet Name :	P8
Client Sample ID :	MH2GY7	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:29:54	DataFile Name :	049AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	636255	650732	652160	646383	1.36	cps
Lead	208-1	2969986	3013891	3025273	3003050	0.97	cps
Lithium	6-1	1000473	1021922	1031928	1018107	1.58	cps
Magnesium	24-2	212898	213219	212072	212729	0.28	cps
Manganese	55-2	384973	387946	388070	386996	0.45	cps
Molybdenum	94-1	8042	8146	8549	8246	3.25	cps
Molybdenum	95-1	2347	2784	2667	2599	8.70	cps
Molybdenum	96-1	4057	4101	4307	4155	3.22	cps
Molybdenum	97-1	1583	1800	1710	1698	6.41	cps
Molybdenum	98-1	4264	4251	4254	4256	0.16	cps
Neodymium	150-1	65321	65220	66956	65832	1.48	cps
Neodymium	150-2	15813	15676	15940	15809	0.83	cps
Nickel	60-2	16022	15776	16156	15985	1.21	cps
Phosphorus	31-2	1387	1427	1500	1438	4.00	cps
Potassium	39-2	60543	61745	61721	61336	1.12	cps
Rhodium	103-1	2763322	2830319	2776878	2790173	1.27	cps
Rhodium	103-2	972326	970243	974385	972318	0.21	cps
Scandium	45-1	1823358	1851220	1850743	1841774	0.87	cps
Scandium	45-2	29370	29424	29143	29312	0.51	cps
Selenium	82-1	10	20	60	30	88.19	cps
Selenium	77-2	50	43	57	50	13.34	cps
Selenium	78-2	13	13	27	18	43.33	cps
Silicon	28-1	5312055	5576872	5568942	5485956	2.75	cps
Silver	107-1	7792	8049	7799	7880	1.86	cps
Silver	109-1	7742	7922	7962	7876	1.49	cps
Sodium	23-2	40309	41008	40991	40769	0.98	cps
Strontium	86-1	395837	407184	410627	404549	1.91	cps
Strontium	88-1	3663671	3715903	3755920	3711831	1.25	cps
Sulfur	34-1	92345	92794	93519	92886	0.64	cps
Terbium	159-1	4221129	4267748	4201238	4230039	0.81	cps
Terbium	159-2	1273873	1278946	1267009	1273276	0.47	cps
Thallium	203-1	1080	1137	1090	1102	2.74	cps
Thallium	205-1	2637	2724	2644	2668	1.81	cps
Tin	118-1	8263	8193	8386	8280	1.18	cps
Titanium	47-1	27166	28298	28485	27983	2.55	cps
Uranium	238-1	33531	34701	34116	34116	1.71	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-19	Instrumnet Name :	P8
Client Sample ID :	MH2GY7	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:29:54	DataFile Name :	049AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	23459	23716	23623	23599	0.55	cps
Ytterbium	172-1	10041	10281	10371	10231	1.67	cps
Ytterbium	172-2	3927	4167	3991	4028	3.09	cps
Ytterbium	176-1	6805	6435	6959	6733	4.00	cps
Ytterbium	176-2	2624	2594	2577	2598	0.91	cps
Yttrium	89-1	5653168	5725765	5848164	5742366	1.72	cps
Yttrium	89-2	355235	356716	357402	356451	0.31	cps
Zinc	66-2	57315	57429	57432	57392	0.12	cps
Zirconium	90-1	18015	18836	18586	18479	2.28	cps
Zirconium	91-1	4104	4364	4137	4202	3.37	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-20	Instrumnet Name :	P8
Client Sample ID :	MH2GY8	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:33:17	DataFile Name :	050AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	92324	93665	93967	93319	0.94	cps
Antimony	121-1	11959	12246	12656	12287	2.85	cps
Arsenic	75-2	2197	2320	2064	2194	5.85	cps
Barium	135-1	503648	512510	515962	510707	1.24	cps
Barium	137-1	869630	887466	889757	882284	1.25	cps
Beryllium	9-1	1911	2005	1996	1971	2.63	cps
Bismuth	209-1	2568279	2593843	2682597	2614906	2.29	cps
Bismuth	209-2	951658	936733	939501	942631	0.84	cps
Bromine	81-1	3914	4017	4287	4073	4.73	cps
Cadmium	108-1	883	997	1013	964	7.33	cps
Cadmium	106-1	2554	2764	2620	2646	4.06	cps
Cadmium	111-1	14556	14740	14698	14665	0.66	cps
Calcium	43-1	1768148	1776927	1839421	1794832	2.17	cps
Calcium	44-1	28398629	29126385	29138375	28887797	1.47	cps
Carbon	12-1	736723	776652	774426	762600	2.94	cps
Carbon	12-2	5528	5614	5571	5571	0.78	cps
Chlorine	35-1	31125466	33303876	34192589	32873977	4.80	cps
Chlorine	35-2	124224	125350	125286	124953	0.51	cps
Chromium	52-2	28472	28478	28889	28613	0.84	cps
Cobalt	59-2	18045	17888	18185	18039	0.82	cps
Copper	63-2	213354	214907	215123	214461	0.45	cps
Dysprosium	156-1	36313	36834	37432	36860	1.52	cps
Dysprosium	156-2	11121	11295	11251	11223	0.80	cps
Erbium	164-1	30385	30662	30565	30537	0.46	cps
Erbium	164-2	9837	9960	9927	9908	0.64	cps
Gadolinium	160-1	33278	33679	33295	33417	0.68	cps
Gadolinium	160-2	13170	13283	13807	13420	2.53	cps
Holmium	165-1	4101753	4057252	4346940	4168648	3.74	cps
Holmium	165-2	1320242	1314230	1311277	1315250	0.35	cps
Indium	115-1	3032913	3128993	3215706	3125871	2.93	cps
Indium	115-2	269843	271244	272858	271315	0.56	cps
Iron	54-2	699925	699614	701898	700479	0.18	cps
Iron	56-2	13736882	13595340	13624640	13652287	0.55	cps
Iron	57-2	328470	329112	328070	328551	0.16	cps
Krypton	83-1	67	77	57	67	15.00	cps
Lead	206-1	4421135	4436933	4431365	4429811	0.18	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-20	Instrumnet Name :	P8
Client Sample ID :	MH2GY8	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:33:17	DataFile Name :	050AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3659186	3731157	3672744	3687696	1.04	cps
Lead	208-1	16932311	17125468	16987151	17014977	0.59	cps
Lithium	6-1	987968	1014943	1054301	1019071	3.27	cps
Magnesium	24-2	299533	298679	302880	300364	0.74	cps
Manganese	55-2	876349	885264	879724	880446	0.51	cps
Molybdenum	94-1	11492	11335	11171	11332	1.41	cps
Molybdenum	95-1	6495	6562	6465	6507	0.76	cps
Molybdenum	96-1	8416	8950	8529	8632	3.26	cps
Molybdenum	97-1	3944	4197	3907	4016	3.93	cps
Molybdenum	98-1	10107	10741	10127	10325	3.49	cps
Neodymium	150-1	52890	54674	54229	53931	1.72	cps
Neodymium	150-2	12836	12996	12936	12923	0.63	cps
Nickel	60-2	21226	21520	21690	21479	1.09	cps
Phosphorus	31-2	1910	1843	1853	1869	1.92	cps
Potassium	39-2	93299	94278	94708	94095	0.77	cps
Rhodium	103-1	2726149	2736367	2867492	2776669	2.84	cps
Rhodium	103-2	964704	963592	966481	964926	0.15	cps
Scandium	45-1	1795518	1825453	1896528	1839167	2.82	cps
Scandium	45-2	29510	28635	29196	29114	1.52	cps
Selenium	82-1	77	77	50	68	22.72	cps
Selenium	77-2	37	13	67	39	68.76	cps
Selenium	78-2	33	10	40	28	56.71	cps
Silicon	28-1	10304680	10560655	10551225	10472187	1.39	cps
Silver	107-1	15919	16567	16767	16418	2.70	cps
Silver	109-1	15726	16059	15893	15893	1.05	cps
Sodium	23-2	82699	83477	83450	83209	0.53	cps
Strontium	86-1	622835	635249	637624	631903	1.26	cps
Strontium	88-1	5590742	5747306	5760673	5699574	1.66	cps
Sulfur	34-1	104084	105970	107582	105879	1.65	cps
Terbium	159-1	4123740	4210794	4290686	4208406	1.98	cps
Terbium	159-2	1257287	1257416	1261060	1258588	0.17	cps
Thallium	203-1	1570	1363	1397	1443	7.69	cps
Thallium	205-1	3410	3320	3457	3396	2.05	cps
Tin	118-1	49011	50734	50770	50172	2.00	cps
Titanium	47-1	75509	77263	77571	76781	1.45	cps
Uranium	238-1	44542	46030	45625	45399	1.70	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-20	Instrumnet Name :	P8
Client Sample ID :	MH2GY8	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:33:17	DataFile Name :	050AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	30021	30359	30359	30246	0.64	cps
Ytterbium	172-1	8580	8823	9257	8886	3.86	cps
Ytterbium	172-2	3557	3440	3624	3541	2.62	cps
Ytterbium	176-1	6071	6091	5718	5960	3.52	cps
Ytterbium	176-2	2380	2344	2397	2374	1.15	cps
Yttrium	89-1	5600242	5594815	5830105	5675054	2.37	cps
Yttrium	89-2	349460	346044	346083	347196	0.56	cps
Zinc	66-2	263849	263503	267493	264948	0.83	cps
Zirconium	90-1	21013	21604	22641	21752	3.79	cps
Zirconium	91-1	4617	4848	4704	4723	2.46	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-21	Instrumnet Name :	P8
Client Sample ID :	MH2GY9	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:36:36	DataFile Name :	051AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	86297	86790	85985	86357	0.47	cps
Antimony	121-1	14161	13984	14331	14159	1.23	cps
Arsenic	75-2	3437	3337	3410	3395	1.53	cps
Barium	135-1	486135	491432	500908	492825	1.52	cps
Barium	137-1	843606	862521	869942	858690	1.58	cps
Beryllium	9-1	1947	1972	1947	1956	0.74	cps
Bismuth	209-1	2627030	2633917	2665843	2642264	0.78	cps
Bismuth	209-2	952235	961477	956091	956601	0.49	cps
Bromine	81-1	3611	4174	4214	3999	8.44	cps
Cadmium	108-1	1383	1450	1420	1418	2.36	cps
Cadmium	106-1	3177	3280	3434	3297	3.92	cps
Cadmium	111-1	21601	21813	21865	21760	0.64	cps
Calcium	43-1	1403129	1410480	1458028	1423879	2.09	cps
Calcium	44-1	22597292	23043080	23154217	22931530	1.29	cps
Carbon	12-1	746545	756910	786363	763273	2.71	cps
Carbon	12-2	5308	5638	5318	5421	3.46	cps
Chlorine	35-1	27028877	29034581	29825237	28629565	5.04	cps
Chlorine	35-2	108328	109258	111223	109603	1.35	cps
Chromium	52-2	11508	11622	11722	11617	0.92	cps
Cobalt	59-2	21670	21453	21964	21695	1.18	cps
Copper	63-2	401145	400056	403293	401498	0.41	cps
Dysprosium	156-1	36941	37840	38255	37678	1.78	cps
Dysprosium	156-2	11882	12129	12086	12032	1.10	cps
Erbium	164-1	31725	31731	32102	31853	0.68	cps
Erbium	164-2	10548	10731	10714	10664	0.95	cps
Gadolinium	160-1	34043	34839	35079	34654	1.56	cps
Gadolinium	160-2	13924	13971	13650	13848	1.25	cps
Holmium	165-1	4124968	4210554	4146529	4160684	1.07	cps
Holmium	165-2	1305097	1311827	1318608	1311844	0.51	cps
Indium	115-1	3085461	3077668	3117163	3093430	0.68	cps
Indium	115-2	269314	270373	271136	270274	0.34	cps
Iron	54-2	738691	733781	733714	735396	0.39	cps
Iron	56-2	14273544	14280777	14186187	14246836	0.37	cps
Iron	57-2	345140	344619	341918	343892	0.50	cps
Krypton	83-1	100	113	60	91	30.47	cps
Lead	206-1	5339637	5417167	5469811	5408871	1.21	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-21	Instrumnet Name :	P8
Client Sample ID :	MH2GY9	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:36:36	DataFile Name :	051AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4497144	4574950	4592632	4554909	1.12	cps
Lead	208-1	20840482	21201929	21326929	21123113	1.20	cps
Lithium	6-1	1000809	1020820	1019079	1013569	1.09	cps
Magnesium	24-2	225622	224982	225875	225493	0.20	cps
Manganese	55-2	1478539	1490225	1505699	1491488	0.91	cps
Molybdenum	94-1	8739	9080	8636	8818	2.63	cps
Molybdenum	95-1	4981	4761	5081	4941	3.31	cps
Molybdenum	96-1	6405	6812	6502	6573	3.23	cps
Molybdenum	97-1	2890	3057	3020	2989	2.93	cps
Molybdenum	98-1	8039	7659	7956	7885	2.53	cps
Neodymium	150-1	53252	53730	55166	54049	1.84	cps
Neodymium	150-2	12529	12973	12946	12816	1.94	cps
Nickel	60-2	28893	28863	28692	28816	0.37	cps
Phosphorus	31-2	1880	1823	1987	1897	4.37	cps
Potassium	39-2	90441	90612	91286	90780	0.49	cps
Rhodium	103-1	2736280	2795821	2745995	2759366	1.16	cps
Rhodium	103-2	956813	966509	960899	961407	0.51	cps
Scandium	45-1	1823151	1864371	1837228	1841583	1.14	cps
Scandium	45-2	28475	29079	28689	28748	1.07	cps
Selenium	82-1	33	27	73	44	56.80	cps
Selenium	77-2	50	47	40	46	11.18	cps
Selenium	78-2	17	23	33	24	34.31	cps
Silicon	28-1	4697217	4849596	4957238	4834684	2.70	cps
Silver	107-1	37614	38002	39670	38429	2.84	cps
Silver	109-1	36538	37321	36752	36870	1.10	cps
Sodium	23-2	69193	69829	69183	69402	0.53	cps
Strontium	86-1	524628	533373	544447	534150	1.86	cps
Strontium	88-1	4770612	4891831	4946967	4869803	1.85	cps
Sulfur	34-1	98549	99445	100472	99488	0.97	cps
Terbium	159-1	4215817	4220404	4300114	4245445	1.12	cps
Terbium	159-2	1256695	1256513	1261337	1258182	0.22	cps
Thallium	203-1	3007	3020	3214	3080	3.76	cps
Thallium	205-1	7449	7532	7502	7494	0.56	cps
Tin	118-1	55371	57199	56831	56467	1.71	cps
Titanium	47-1	65823	66078	66804	66235	0.77	cps
Uranium	238-1	38174	38843	39137	38718	1.27	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-21	Instrumnet Name :	P8
Client Sample ID :	MH2GY9	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:36:36	DataFile Name :	051AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	24932	24975	25112	25006	0.38	cps
Ytterbium	172-1	9357	9393	9317	9356	0.41	cps
Ytterbium	172-2	3814	3881	4041	3912	2.98	cps
Ytterbium	176-1	6118	6035	6305	6153	2.25	cps
Ytterbium	176-2	2387	2400	2470	2419	1.85	cps
Yttrium	89-1	5641738	5654007	5707855	5667867	0.62	cps
Yttrium	89-2	346235	345259	345604	345699	0.14	cps
Zinc	66-2	358991	355669	359184	357948	0.55	cps
Zirconium	90-1	16176	16336	16380	16297	0.66	cps
Zirconium	91-1	3544	3701	3634	3626	2.17	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-22	Instrumnet Name :	P8
Client Sample ID :	MH2GZ0	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:39:57	DataFile Name :	052AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	64974	64241	65567	64927	1.02	cps
Antimony	121-1	7045	7562	7289	7299	3.54	cps
Arsenic	75-2	1617	1773	1820	1737	6.13	cps
Barium	135-1	420421	431140	432867	428143	1.57	cps
Barium	137-1	739631	753507	758997	750712	1.33	cps
Beryllium	9-1	1281	1317	1276	1292	1.74	cps
Bismuth	209-1	2640008	2606606	2624489	2623701	0.64	cps
Bismuth	209-2	953628	957680	952423	954577	0.29	cps
Bromine	81-1	4527	4324	4527	4460	2.63	cps
Cadmium	108-1	623	563	643	610	6.83	cps
Cadmium	106-1	2057	2094	2020	2057	1.78	cps
Cadmium	111-1	9610	9641	9620	9623	0.16	cps
Calcium	43-1	1364894	1388813	1401438	1385048	1.34	cps
Calcium	44-1	21920990	22487466	22682423	22363626	1.77	cps
Carbon	12-1	821991	765785	772447	786741	3.90	cps
Carbon	12-2	5451	5421	5541	5471	1.14	cps
Chlorine	35-1	29780695	31380247	32305296	31155413	4.10	cps
Chlorine	35-2	117361	119031	119491	118628	0.94	cps
Chromium	52-2	5204	5028	4941	5058	2.65	cps
Cobalt	59-2	13823	14244	13957	14008	1.53	cps
Copper	63-2	174541	176343	176603	175829	0.64	cps
Dysprosium	156-1	34875	35487	35848	35403	1.39	cps
Dysprosium	156-2	10664	11021	11345	11010	3.09	cps
Erbium	164-1	29409	29483	30121	29671	1.32	cps
Erbium	164-2	9537	9800	9717	9685	1.39	cps
Gadolinium	160-1	32449	33278	32353	32693	1.56	cps
Gadolinium	160-2	13063	13360	13070	13164	1.29	cps
Holmium	165-1	4199130	4160653	4168808	4176197	0.49	cps
Holmium	165-2	1312445	1331609	1327281	1323778	0.76	cps
Indium	115-1	3086523	3081810	3110154	3092829	0.49	cps
Indium	115-2	270350	273716	273821	272629	0.72	cps
Iron	54-2	316678	318132	320262	318358	0.57	cps
Iron	56-2	6227782	6194420	6213140	6211781	0.27	cps
Iron	57-2	149679	148601	148669	148983	0.41	cps
Krypton	83-1	73	57	87	72	20.81	cps
Lead	206-1	2016094	2029655	2058224	2034658	1.06	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-22	Instrumnet Name :	P8
Client Sample ID :	MH2GZ0	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:39:57	DataFile Name :	052AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1652839	1684818	1698793	1678817	1.40	cps
Lead	208-1	7793946	7934485	8010511	7912981	1.39	cps
Lithium	6-1	1027591	991922	1040484	1019999	2.47	cps
Magnesium	24-2	160947	162002	163309	162086	0.73	cps
Manganese	55-2	589324	594313	595374	593004	0.54	cps
Molybdenum	94-1	6465	6702	6748	6638	2.29	cps
Molybdenum	95-1	3237	2980	3077	3098	4.18	cps
Molybdenum	96-1	4104	4194	4294	4197	2.27	cps
Molybdenum	97-1	1887	2110	1990	1996	5.60	cps
Molybdenum	98-1	4818	5174	5284	5092	4.79	cps
Neodymium	150-1	51615	52482	52459	52185	0.95	cps
Neodymium	150-2	12182	12256	12212	12217	0.30	cps
Nickel	60-2	20996	21373	21830	21400	1.95	cps
Phosphorus	31-2	1693	1527	1657	1626	5.39	cps
Potassium	39-2	66723	67845	68069	67546	1.07	cps
Rhodium	103-1	2766450	2743423	2755519	2755131	0.42	cps
Rhodium	103-2	957223	970782	970974	966327	0.82	cps
Scandium	45-1	1822773	1806492	1843824	1824363	1.03	cps
Scandium	45-2	28148	28789	29003	28646	1.55	cps
Selenium	82-1	73	80	40	64	33.25	cps
Selenium	77-2	20	47	33	33	40.01	cps
Selenium	78-2	20	17	20	19	10.18	cps
Silicon	28-1	4656770	4690708	4772210	4706563	1.26	cps
Silver	107-1	16714	16807	16630	16717	0.53	cps
Silver	109-1	15856	16043	15936	15945	0.59	cps
Sodium	23-2	57821	58530	59039	58463	1.05	cps
Strontium	86-1	366012	369857	372557	369475	0.89	cps
Strontium	88-1	3329734	3393732	3380648	3368038	1.00	cps
Sulfur	34-1	92553	93999	92959	93170	0.80	cps
Terbium	159-1	4160875	4234874	4255273	4217007	1.18	cps
Terbium	159-2	1247975	1260148	1274672	1260932	1.06	cps
Thallium	203-1	1673	1620	1617	1637	1.94	cps
Thallium	205-1	3887	3774	3957	3873	2.39	cps
Tin	118-1	23053	23864	23938	23618	2.08	cps
Titanium	47-1	29437	30412	30108	29986	1.66	cps
Uranium	238-1	30293	31088	30707	30696	1.30	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-22	Instrumnet Name :	P8
Client Sample ID :	MH2GZ0	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:39:57	DataFile Name :	052AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	20154	20335	20294	20261	0.47	cps
Ytterbium	172-1	8570	8646	8476	8564	0.99	cps
Ytterbium	172-2	3174	3457	3354	3328	4.31	cps
Ytterbium	176-1	5645	5785	5785	5738	1.41	cps
Ytterbium	176-2	2217	2267	2230	2238	1.16	cps
Yttrium	89-1	5615274	5649451	5674220	5646315	0.52	cps
Yttrium	89-2	340598	348811	353924	347778	1.93	cps
Zinc	66-2	129209	129794	131122	130042	0.75	cps
Zirconium	90-1	12499	12966	13126	12864	2.53	cps
Zirconium	91-1	2840	2940	2897	2893	1.73	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1159-04	Instrumnet Name :	P8
Client Sample ID :	YE8D1	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:43:17	DataFile Name :	053AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	296594	294454	295801	295616	0.37	cps
Antimony	121-1	11678	12029	11945	11884	1.54	cps
Arsenic	75-2	4104	4451	4517	4357	5.09	cps
Barium	135-1	74382	75441	75941	75255	1.06	cps
Barium	137-1	127006	132198	132281	130495	2.32	cps
Beryllium	9-1	475	516	522	505	5.12	cps
Bismuth	209-1	2630993	2632503	2653449	2638981	0.48	cps
Bismuth	209-2	947747	949558	950981	949429	0.17	cps
Bromine	81-1	2254	2314	2320	2296	1.60	cps
Cadmium	108-1	77	100	103	93	15.56	cps
Cadmium	106-1	1393	1300	1213	1302	6.91	cps
Cadmium	111-1	1555	1507	1444	1502	3.72	cps
Calcium	43-1	47130	49157	48321	48203	2.11	cps
Calcium	44-1	774955	791200	795338	787164	1.37	cps
Carbon	12-1	709858	733916	747806	730527	2.63	cps
Carbon	12-2	4574	4411	4571	4519	2.07	cps
Chlorine	35-1	31405020	33530742	34018975	32984912	4.21	cps
Chlorine	35-2	122503	121985	122325	122271	0.22	cps
Chromium	52-2	28652	29123	29718	29164	1.83	cps
Cobalt	59-2	42155	42172	43760	42696	2.16	cps
Copper	63-2	111060	110015	112158	111077	0.96	cps
Dysprosium	156-1	16624	16721	16704	16683	0.31	cps
Dysprosium	156-2	6121	6282	6108	6170	1.56	cps
Erbium	164-1	17819	17498	17885	17734	1.17	cps
Erbium	164-2	5928	5568	5695	5730	3.19	cps
Gadolinium	160-1	17715	18326	18233	18091	1.82	cps
Gadolinium	160-2	7035	7252	7249	7179	1.73	cps
Holmium	165-1	4142526	4170313	4270996	4194612	1.61	cps
Holmium	165-2	1319763	1334770	1335384	1329972	0.67	cps
Indium	115-1	3124207	3163737	3159479	3149141	0.69	cps
Indium	115-2	270147	269964	269507	269872	0.12	cps
Iron	54-2	2167230	2110179	2147009	2141473	1.35	cps
Iron	56-2	39104642	39106889	39152359	39121297	0.07	cps
Iron	57-2	946217	943752	947790	945920	0.22	cps
Krypton	83-1	60	70	93	74	22.98	cps
Lead	206-1	84463	87200	87231	86298	1.84	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1159-04	Instrumnet Name :	P8
Client Sample ID :	YE8D1	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:43:17	DataFile Name :	053AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	69136	70537	71543	70405	1.72	cps
Lead	208-1	326372	333645	334780	331599	1.38	cps
Lithium	6-1	1013196	1058575	1063999	1045256	2.67	cps
Magnesium	24-2	559135	556251	560352	558579	0.38	cps
Manganese	55-2	204793	204486	205909	205063	0.37	cps
Molybdenum	94-1	13300	13447	13570	13439	1.01	cps
Molybdenum	95-1	9043	9000	9337	9126	2.01	cps
Molybdenum	96-1	11895	11498	11735	11709	1.71	cps
Molybdenum	97-1	5491	5701	5524	5572	2.03	cps
Molybdenum	98-1	14117	14264	14374	14252	0.90	cps
Neodymium	150-1	14725	15075	15356	15052	2.10	cps
Neodymium	150-2	3444	3604	3397	3482	3.11	cps
Nickel	60-2	40792	40621	40972	40795	0.43	cps
Phosphorus	31-2	857	763	860	827	6.64	cps
Potassium	39-2	31174	31745	31862	31593	1.17	cps
Rhodium	103-1	2854058	2857812	2818223	2843364	0.77	cps
Rhodium	103-2	985986	992048	990946	989660	0.33	cps
Scandium	45-1	1791840	1842519	1855838	1830065	1.85	cps
Scandium	45-2	29901	29430	29617	29650	0.80	cps
Selenium	82-1	227	183	150	187	20.59	cps
Selenium	77-2	17	7	7	10	57.72	cps
Selenium	78-2	27	7	17	17	59.99	cps
Silicon	28-1	4030232	4143989	4185470	4119897	1.95	cps
Silver	107-1	2167	2000	1970	2046	5.18	cps
Silver	109-1	1927	1970	1803	1900	4.55	cps
Sodium	23-2	32493	32456	32463	32471	0.06	cps
Strontium	86-1	55493	57293	57189	56659	1.78	cps
Strontium	88-1	478983	492788	497567	489779	1.97	cps
Sulfur	34-1	85674	86805	89172	87217	2.05	cps
Terbium	159-1	4250123	4282816	4307041	4279994	0.67	cps
Terbium	159-2	1259513	1271657	1288904	1273358	1.16	cps
Thallium	203-1	833	760	800	798	4.60	cps
Thallium	205-1	1823	1920	2037	1927	5.54	cps
Tin	118-1	1773	1440	1600	1605	10.39	cps
Titanium	47-1	11023	9900	9500	10141	7.79	cps
Uranium	238-1	15633	15193	16087	15638	2.86	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1159-04	Instrumnet Name :	P8
Client Sample ID :	YE8D1	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:43:17	DataFile Name :	053AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	24241	24601	24835	24559	1.22	cps
Ytterbium	172-1	4554	4484	4591	4543	1.19	cps
Ytterbium	172-2	1823	1683	1770	1759	4.02	cps
Ytterbium	176-1	3120	3270	3107	3166	2.87	cps
Ytterbium	176-2	1220	1177	1220	1206	2.08	cps
Yttrium	89-1	5365905	5528023	5479981	5457970	1.53	cps
Yttrium	89-2	331479	335319	335105	333968	0.65	cps
Zinc	66-2	20578	19991	19537	20035	2.61	cps
Zirconium	90-1	22258	22528	23173	22653	2.07	cps
Zirconium	91-1	5018	5284	4898	5067	3.91	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1159-05	Instrumnet Name :	P8
Client Sample ID :	YE8D3	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:46:43	DataFile Name :	054AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	41349	41716	42070	41712	0.87	cps
Antimony	121-1	53571	54889	55412	54624	1.74	cps
Arsenic	75-2	21326	21383	21343	21351	0.14	cps
Barium	135-1	51106	53201	53488	52598	2.47	cps
Barium	137-1	90363	93302	92517	92060	1.65	cps
Beryllium	9-1	537	519	542	533	2.35	cps
Bismuth	209-1	2648924	2586768	2985449	2740380	7.83	cps
Bismuth	209-2	964875	962797	968964	965545	0.32	cps
Bromine	81-1	2277	2184	2204	2221	2.21	cps
Cadmium	108-1	117	103	107	109	6.37	cps
Cadmium	106-1	1617	1370	1617	1535	9.28	cps
Cadmium	111-1	1330	1217	1420	1322	7.72	cps
Calcium	43-1	624182	645543	647849	639191	2.04	cps
Calcium	44-1	10522500	10923379	10876624	10774168	2.03	cps
Carbon	12-1	706164	735482	750719	730788	3.10	cps
Carbon	12-2	4858	4724	4884	4822	1.78	cps
Chlorine	35-1	30641025	33050370	33846386	32512594	5.13	cps
Chlorine	35-2	123683	123565	125044	124097	0.66	cps
Chromium	52-2	3107	2994	3104	3068	2.10	cps
Cobalt	59-2	45643	45730	45285	45553	0.52	cps
Copper	63-2	106468	105790	106834	106364	0.50	cps
Dysprosium	156-1	14878	15399	15235	15171	1.75	cps
Dysprosium	156-2	5371	5611	5711	5565	3.14	cps
Erbium	164-1	21548	22035	22265	21949	1.67	cps
Erbium	164-2	7466	7385	7385	7412	0.62	cps
Gadolinium	160-1	16447	17144	16721	16771	2.10	cps
Gadolinium	160-2	6788	6845	6805	6813	0.43	cps
Holmium	165-1	4190406	4088089	4766624	4348373	8.41	cps
Holmium	165-2	1348909	1346900	1350130	1348646	0.12	cps
Indium	115-1	3112979	3071765	3623994	3269579	9.41	cps
Indium	115-2	276314	276438	277610	276787	0.26	cps
Iron	54-2	1924078	1918378	1935016	1925824	0.44	cps
Iron	56-2	35491388	34949361	35195257	35212002	0.77	cps
Iron	57-2	854526	850722	848826	851358	0.34	cps
Krypton	83-1	120	77	90	96	23.22	cps
Lead	206-1	157905	161040	162126	160357	1.37	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1159-05	Instrumnet Name :	P8
Client Sample ID :	YE8D3	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:46:43	DataFile Name :	054AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	129910	131598	131237	130915	0.68	cps
Lead	208-1	611795	621876	627180	620284	1.26	cps
Lithium	6-1	1006382	996173	1143637	1048731	7.85	cps
Magnesium	24-2	680303	676607	683331	680080	0.50	cps
Manganese	55-2	275415	273452	273857	274241	0.38	cps
Molybdenum	94-1	24842	25543	25714	25366	1.82	cps
Molybdenum	95-1	7979	7629	7646	7751	2.55	cps
Molybdenum	96-1	11915	12602	12866	12461	3.94	cps
Molybdenum	97-1	4894	4684	4774	4784	2.20	cps
Molybdenum	98-1	12092	12319	12516	12309	1.72	cps
Neodymium	150-1	11632	12362	11919	11971	3.08	cps
Neodymium	150-2	2900	3004	2930	2945	1.81	cps
Nickel	60-2	51794	52182	52115	52030	0.40	cps
Phosphorus	31-2	737	733	757	742	1.70	cps
Potassium	39-2	43141	42823	42937	42967	0.37	cps
Rhodium	103-1	2816328	2707935	3224667	2916310	9.34	cps
Rhodium	103-2	999358	1004176	1010674	1004736	0.57	cps
Scandium	45-1	1841312	1802464	2137184	1926987	9.50	cps
Scandium	45-2	29180	29838	30322	29780	1.93	cps
Selenium	82-1	233	283	227	248	12.50	cps
Selenium	77-2	7	20	10	12	56.76	cps
Selenium	78-2	10	20	17	16	32.73	cps
Silicon	28-1	2880468	2899308	2919871	2899882	0.68	cps
Silver	107-1	9483	9643	9420	9516	1.21	cps
Silver	109-1	9126	9543	9320	9330	2.24	cps
Sodium	23-2	35022	35436	35904	35454	1.24	cps
Strontium	86-1	836940	859675	866410	854342	1.81	cps
Strontium	88-1	7543363	7795430	7865852	7734881	2.19	cps
Sulfur	34-1	565229	583191	585048	577823	1.89	cps
Terbium	159-1	4247095	4142870	4876854	4422273	8.98	cps
Terbium	159-2	1286438	1299103	1296993	1294178	0.52	cps
Thallium	203-1	470	550	477	499	8.90	cps
Thallium	205-1	1097	1053	1137	1096	3.80	cps
Tin	118-1	1270	1320	1487	1359	8.35	cps
Titanium	47-1	3707	3694	3697	3699	0.19	cps
Uranium	238-1	11726	11942	11555	11741	1.65	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1159-05	Instrumnet Name :	P8
Client Sample ID :	YE8D3	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:46:43	DataFile Name :	054AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2550	2690	2737	2659	3.65	cps
Ytterbium	172-1	7259	7509	7646	7471	2.63	cps
Ytterbium	172-2	2890	3087	3057	3011	3.52	cps
Ytterbium	176-1	4944	4904	5284	5044	4.14	cps
Ytterbium	176-2	1893	2020	2064	1992	4.43	cps
Yttrium	89-1	5611344	5432384	6355900	5799876	8.44	cps
Yttrium	89-2	347256	347879	349265	348133	0.30	cps
Zinc	66-2	11164	11048	11361	11191	1.42	cps
Zirconium	90-1	54974	57474	57096	56515	2.38	cps
Zirconium	91-1	12322	12856	12529	12569	2.14	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1159-06	Instrumnet Name :	P8
Client Sample ID :	YE8E2	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:50:04	DataFile Name :	055AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	127075	127872	128767	127905	0.66	cps
Antimony	121-1	5545	5361	5825	5577	4.19	cps
Arsenic	75-2	577	653	560	597	8.34	cps
Barium	135-1	41303	41807	42466	41859	1.39	cps
Barium	137-1	70499	73347	73961	72602	2.54	cps
Beryllium	9-1	325	362	322	337	6.66	cps
Bismuth	209-1	2655585	2744884	2705443	2701971	1.66	cps
Bismuth	209-2	967797	973902	968764	970154	0.34	cps
Bromine	81-1	2194	2174	2040	2136	3.90	cps
Cadmium	108-1	77	57	67	67	15.00	cps
Cadmium	106-1	1250	1303	1383	1312	5.11	cps
Cadmium	111-1	951	1039	1092	1027	6.90	cps
Calcium	43-1	18836	19096	19704	19212	2.32	cps
Calcium	44-1	308397	313068	319140	313535	1.72	cps
Carbon	12-1	718943	743283	756679	739635	2.59	cps
Carbon	12-2	4674	4531	4621	4609	1.57	cps
Chlorine	35-1	31091043	32835490	33957291	32627941	4.43	cps
Chlorine	35-2	121821	124469	122769	123020	1.09	cps
Chromium	52-2	3891	3944	3851	3895	1.20	cps
Cobalt	59-2	11778	11478	12089	11782	2.59	cps
Copper	63-2	56893	57556	56786	57078	0.73	cps
Dysprosium	156-1	12276	12032	12326	12211	1.29	cps
Dysprosium	156-2	3611	3844	3587	3681	3.86	cps
Erbium	164-1	7152	7115	7072	7113	0.56	cps
Erbium	164-2	2290	2257	2317	2288	1.31	cps
Gadolinium	160-1	10461	10901	10768	10710	2.11	cps
Gadolinium	160-2	4127	4367	4097	4197	3.53	cps
Holmium	165-1	4257626	4242455	4288058	4262713	0.54	cps
Holmium	165-2	1341786	1346111	1339860	1342586	0.24	cps
Indium	115-1	3091277	3172527	3230106	3164636	2.20	cps
Indium	115-2	275617	273315	272780	273904	0.55	cps
Iron	54-2	549415	548123	550316	549284	0.20	cps
Iron	56-2	10697044	10695547	10725722	10706104	0.16	cps
Iron	57-2	257111	256502	259843	257818	0.69	cps
Krypton	83-1	37	67	80	61	36.31	cps
Lead	206-1	63722	65839	66020	65194	1.96	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1159-06	Instrumnet Name :	P8
Client Sample ID :	YE8E2	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:50:04	DataFile Name :	055AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	52148	53332	53011	52831	1.16	cps
Lead	208-1	245263	251722	252090	249692	1.54	cps
Lithium	6-1	1035758	1054146	1047467	1045790	0.89	cps
Magnesium	24-2	331774	338324	335503	335200	0.98	cps
Manganese	55-2	24074	23620	23857	23850	0.95	cps
Molybdenum	94-1	15188	15165	15365	15240	0.72	cps
Molybdenum	95-1	7175	7245	7285	7235	0.77	cps
Molybdenum	96-1	9567	9593	9997	9719	2.48	cps
Molybdenum	97-1	4307	4451	4731	4496	4.79	cps
Molybdenum	98-1	11358	11969	11618	11648	2.63	cps
Neodymium	150-1	18396	18269	18726	18464	1.28	cps
Neodymium	150-2	4377	4247	4437	4354	2.23	cps
Nickel	60-2	8783	8376	8696	8618	2.49	cps
Phosphorus	31-2	267	323	277	289	10.47	cps
Potassium	39-2	28942	28294	28886	28707	1.25	cps
Rhodium	103-1	2880092	2962903	2962730	2935242	1.63	cps
Rhodium	103-2	1011407	1009377	1008480	1009755	0.15	cps
Scandium	45-1	1825510	1869811	1887907	1861076	1.72	cps
Scandium	45-2	29918	29103	29013	29344	1.70	cps
Selenium	82-1	73	87	73	78	9.90	cps
Selenium	77-2	10	17	7	11	45.82	cps
Selenium	78-2	13	13	7	11	34.61	cps
Silicon	28-1	3393990	3397853	3411937	3401260	0.28	cps
Silver	107-1	717	560	653	643	12.25	cps
Silver	109-1	620	707	597	641	9.04	cps
Sodium	23-2	32409	33535	33264	33070	1.78	cps
Strontium	86-1	16370	17034	17161	16855	2.52	cps
Strontium	88-1	142945	146101	147017	145355	1.47	cps
Sulfur	34-1	110689	112445	113531	112221	1.28	cps
Terbium	159-1	4300006	4341130	4339861	4326999	0.54	cps
Terbium	159-2	1285997	1276222	1278349	1280189	0.40	cps
Thallium	203-1	367	327	327	340	6.79	cps
Thallium	205-1	840	797	813	817	2.68	cps
Tin	118-1	1443	1550	1447	1480	4.10	cps
Titanium	47-1	5348	5308	5148	5268	2.01	cps
Uranium	238-1	7752	7896	8066	7905	1.99	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1159-06	Instrumnet Name :	P8
Client Sample ID :	YE8E2	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:50:04	DataFile Name :	055AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2107	1927	2017	2017	4.46	cps
Ytterbium	172-1	1393	1483	1523	1467	4.54	cps
Ytterbium	172-2	600	537	617	584	7.22	cps
Ytterbium	176-1	1507	1513	1603	1541	3.50	cps
Ytterbium	176-2	453	463	487	468	3.66	cps
Yttrium	89-1	5368915	5471166	5463863	5434648	1.05	cps
Yttrium	89-2	327561	330697	331513	329924	0.63	cps
Zinc	66-2	11578	11391	11772	11580	1.64	cps
Zirconium	90-1	29909	30012	30794	30238	1.60	cps
Zirconium	91-1	6492	6875	6858	6742	3.22	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-05DLX2	Instrumnet Name :	P8
Client Sample ID :	MH2GX3	Dilution Factor :	2
Date & Time Acquired :	2025-02-03 18:53:31	DataFile Name :	056AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	169201	170825	170965	170330	0.58	cps
Antimony	121-1	3344	3727	3644	3572	5.65	cps
Arsenic	75-2	733	817	753	768	5.67	cps
Barium	135-1	398259	405630	403740	402543	0.95	cps
Barium	137-1	699317	699773	705162	701417	0.46	cps
Beryllium	9-1	3795	3834	3990	3873	2.67	cps
Bismuth	209-1	2632210	2666703	2662973	2653962	0.71	cps
Bismuth	209-2	962751	959691	962037	961493	0.17	cps
Bromine	81-1	3084	3217	3460	3254	5.87	cps
Cadmium	108-1	517	560	510	529	5.13	cps
Cadmium	106-1	2054	1900	1903	1952	4.49	cps
Cadmium	111-1	7090	6813	6683	6862	3.03	cps
Calcium	43-1	1382867	1409605	1427535	1406669	1.60	cps
Calcium	44-1	22443036	22756529	22914266	22704610	1.06	cps
Carbon	12-1	848235	900465	898715	882472	3.36	cps
Carbon	12-2	6285	6095	6215	6198	1.55	cps
Chlorine	35-1	16134553	17354109	17528896	17005853	4.47	cps
Chlorine	35-2	63629	62728	64044	63467	1.06	cps
Chromium	52-2	29908	29828	30222	29986	0.69	cps
Cobalt	59-2	9070	8930	9420	9140	2.76	cps
Copper	63-2	145382	147553	146890	146608	0.76	cps
Dysprosium	156-1	19848	20192	20472	20171	1.55	cps
Dysprosium	156-2	6362	6365	6185	6304	1.63	cps
Erbium	164-1	17779	18583	18319	18227	2.25	cps
Erbium	164-2	5965	5861	5795	5874	1.46	cps
Gadolinium	160-1	18873	19147	19030	19017	0.72	cps
Gadolinium	160-2	7439	7566	7522	7509	0.86	cps
Holmium	165-1	4151525	4156778	4085334	4131212	0.96	cps
Holmium	165-2	1349601	1341770	1335767	1342380	0.52	cps
Indium	115-1	3092943	3176305	3132927	3134058	1.33	cps
Indium	115-2	272288	274274	274114	273559	0.40	cps
Iron	54-2	392921	394722	394435	394026	0.25	cps
Iron	56-2	7641146	7609091	7680897	7643712	0.47	cps
Iron	57-2	184567	183625	185003	184398	0.38	cps
Krypton	83-1	70	87	83	80	11.02	cps
Lead	206-1	2044564	2038893	2024605	2036020	0.51	cps

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-05DLX2	Instrumnet Name :	P8
Client Sample ID :	MH2GX3	Dilution Factor :	2
Date & Time Acquired :	2025-02-03 18:53:31	DataFile Name :	056AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1580163	1722998	1670010	1657724	4.36	cps
Lead	208-1	7780087	7973885	7920723	7891565	1.27	cps
Lithium	6-1	1006737	1010113	1013509	1010120	0.34	cps
Magnesium	24-2	392085	393268	391322	392225	0.25	cps
Manganese	55-2	1149381	1163015	1160580	1157659	0.63	cps
Molybdenum	94-1	11488	11975	12085	11850	2.68	cps
Molybdenum	95-1	2624	2454	2540	2539	3.35	cps
Molybdenum	96-1	4411	4364	4527	4434	1.90	cps
Molybdenum	97-1	1553	1460	1553	1522	3.54	cps
Molybdenum	98-1	3807	3961	3851	3873	2.04	cps
Neodymium	150-1	27441	26994	27131	27189	0.84	cps
Neodymium	150-2	6558	6375	6508	6481	1.46	cps
Nickel	60-2	10220	10474	10157	10284	1.63	cps
Phosphorus	31-2	747	697	713	719	3.54	cps
Potassium	39-2	119079	118941	119771	119264	0.37	cps
Rhodium	103-1	2745822	2787027	2777955	2770268	0.78	cps
Rhodium	103-2	970178	977800	981890	976623	0.61	cps
Scandium	45-1	1865781	1864581	1861143	1863835	0.13	cps
Scandium	45-2	29958	29534	29360	29617	1.04	cps
Selenium	82-1	90	67	37	64	41.48	cps
Selenium	77-2	37	10	20	22	60.63	cps
Selenium	78-2	20	13	23	19	26.96	cps
Silicon	28-1	20823997	21252801	21168391	21081730	1.08	cps
Silver	107-1	12256	12719	12576	12517	1.90	cps
Silver	109-1	11648	11441	11942	11677	2.15	cps
Sodium	23-2	88566	89210	87618	88465	0.91	cps
Strontium	86-1	605824	615635	618295	613251	1.07	cps
Strontium	88-1	5512461	5521956	5621397	5551938	1.09	cps
Sulfur	34-1	107260	108271	110228	108586	1.39	cps
Terbium	159-1	4191465	4271302	4228292	4230353	0.94	cps
Terbium	159-2	1276539	1281301	1280603	1279481	0.20	cps
Thallium	203-1	937	893	1017	949	6.59	cps
Thallium	205-1	2334	2227	2357	2306	3.01	cps
Tin	118-1	23988	24539	24065	24197	1.23	cps
Titanium	47-1	143149	147683	147876	146236	1.83	cps
Uranium	238-1	52461	51437	51812	51904	1.00	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	Q1177-05DLX2	Instrumnet Name :	P8
Client Sample ID :	MH2GX3	Dilution Factor :	2
Date & Time Acquired :	2025-02-03 18:53:31	DataFile Name :	056AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	15422	15135	15298	15285	0.94	cps
Ytterbium	172-1	6315	6378	6155	6283	1.83	cps
Ytterbium	172-2	2404	2554	2390	2449	3.70	cps
Ytterbium	176-1	4304	4277	4284	4289	0.32	cps
Ytterbium	176-2	1723	1640	1523	1629	6.17	cps
Yttrium	89-1	5551526	5504948	5558993	5538489	0.53	cps
Yttrium	89-2	341554	341292	341440	341428	0.04	cps
Zinc	66-2	182924	185087	183616	183876	0.60	cps
Zirconium	90-1	27835	27597	28135	27856	0.97	cps
Zirconium	91-1	6078	6031	6148	6086	0.96	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCV015	Instrumnet Name :	P8
Client Sample ID :	CCV015	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:56:49	DataFile Name :	057CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	418170	421362	419092	419541	0.39	cps
Antimony	121-1	1674325	1612312	1638662	1641767	1.90	cps
Arsenic	75-2	25102	24929	24645	24892	0.93	cps
Barium	135-1	2044516	2007500	2026560	2026192	0.91	cps
Barium	137-1	3452902	3456632	3428975	3446170	0.44	cps
Beryllium	9-1	352377	354462	349166	352002	0.76	cps
Bismuth	209-1	2274031	2319750	2315351	2303044	1.10	cps
Bismuth	209-2	832413	826945	826536	828631	0.40	cps
Bromine	81-1	2014	1880	1953	1949	3.43	cps
Cadmium	108-1	27170	27371	27491	27344	0.59	cps
Cadmium	106-1	40115	40085	39897	40032	0.29	cps
Cadmium	111-1	363836	362510	359361	361903	0.64	cps
Calcium	43-1	2198030	2218201	2237184	2217805	0.88	cps
Calcium	44-1	35745713	35686685	35575323	35669240	0.24	cps
Carbon	12-1	714959	726710	731252	724307	1.16	cps
Carbon	12-2	5251	4831	4881	4988	4.60	cps
Chlorine	35-1	1520927	1383920	1286908	1397251	8.41	cps
Chlorine	35-2	3944	3784	3524	3751	5.65	cps
Chromium	52-2	235927	237415	235134	236159	0.49	cps
Cobalt	59-2	453907	453378	451091	452792	0.33	cps
Copper	63-2	3604493	3587152	3558257	3583300	0.65	cps
Dysprosium	156-1	287	250	287	274	7.71	cps
Dysprosium	156-2	10	17	33	20	60.08	cps
Erbium	164-1	90	63	130	94	35.53	cps
Erbium	164-2	23	57	40	40	41.68	cps
Gadolinium	160-1	83	90	73	82	10.20	cps
Gadolinium	160-2	20	37	40	32	33.25	cps
Holmium	165-1	3849329	3870781	3845858	3855323	0.35	cps
Holmium	165-2	1226364	1221551	1210347	1219420	0.67	cps
Indium	115-1	2758052	2778114	2795482	2777216	0.67	cps
Indium	115-2	239236	237772	237919	238309	0.34	cps
Iron	54-2	2481154	2480108	2462549	2474604	0.42	cps
Iron	56-2	45207483	45019666	45020478	45082542	0.24	cps
Iron	57-2	1087990	1089590	1082973	1086851	0.32	cps
Krypton	83-1	53	93	57	68	32.74	cps
Lead	206-1	6493542	6479397	6381407	6451448	0.95	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCV015	Instrumnet Name :	P8
Client Sample ID :	CCV015	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:56:49	DataFile Name :	057CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	5534287	5602153	5560585	5565675	0.61	cps
Lead	208-1	25578507	25644069	25402083	25541553	0.49	cps
Lithium	6-1	885471	885540	875371	882127	0.66	cps
Magnesium	24-2	7385866	7447459	7389931	7407752	0.47	cps
Manganese	55-2	972655	978727	974385	975256	0.32	cps
Molybdenum	94-1	5352966	5355150	5273189	5327101	0.88	cps
Molybdenum	95-1	7814518	7709038	7706176	7743244	0.80	cps
Molybdenum	96-1	8417793	8433140	8378462	8409798	0.34	cps
Molybdenum	97-1	4857020	4732741	4813920	4801227	1.31	cps
Molybdenum	98-1	12573944	12539570	12352726	12488747	0.95	cps
Neodymium	150-1	213	167	190	190	12.28	cps
Neodymium	150-2	13	7	10	10	33.30	cps
Nickel	60-2	126341	125265	125399	125668	0.47	cps
Phosphorus	31-2	4091	4144	3954	4063	2.41	cps
Potassium	39-2	2248647	2281456	2210204	2246769	1.59	cps
Rhodium	103-1	2481191	2467652	2443930	2464258	0.77	cps
Rhodium	103-2	837484	824706	831455	831215	0.77	cps
Scandium	45-1	1693918	1677443	1674113	1681825	0.63	cps
Scandium	45-2	26454	26010	25870	26112	1.17	cps
Selenium	82-1	21286	21734	21223	21414	1.30	cps
Selenium	77-2	297	350	307	318	8.92	cps
Selenium	78-2	940	1200	1053	1065	12.25	cps
Silicon	28-1	15315973	15273904	15279562	15289813	0.15	cps
Silver	107-1	1879216	1896141	1880167	1885175	0.50	cps
Silver	109-1	1816283	1762821	1789573	1789559	1.49	cps
Sodium	23-2	14508190	14630256	14490266	14542904	0.52	cps
Strontium	86-1	502565	502515	497564	500881	0.57	cps
Strontium	88-1	4572363	4473171	4486188	4510574	1.20	cps
Sulfur	34-1	206026	204475	202065	204189	0.98	cps
Terbium	159-1	3942560	3924464	3900620	3922548	0.54	cps
Terbium	159-2	1166927	1164413	1155319	1162220	0.53	cps
Thallium	203-1	1558825	1565325	1549394	1557848	0.51	cps
Thallium	205-1	3940851	3930948	3890912	3920904	0.67	cps
Tin	118-1	1230824	1227488	1228132	1228814	0.14	cps
Titanium	47-1	2036425	1984941	1985304	2002223	1.48	cps
Uranium	238-1	5283560	5298965	5323791	5302105	0.38	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCV015	Instrumnet Name :	P8
Client Sample ID :	CCV015	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:56:49	DataFile Name :	057CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	188777	188594	189074	188815	0.13	cps
Ytterbium	172-1	63	123	80	89	34.85	cps
Ytterbium	172-2	43	40	60	48	22.43	cps
Ytterbium	176-1	7639	7966	7992	7866	2.50	cps
Ytterbium	176-2	2594	2670	2664	2643	1.61	cps
Yttrium	89-1	4813959	4799239	4826656	4813285	0.29	cps
Yttrium	89-2	292754	290629	291264	291549	0.37	cps
Zinc	66-2	373323	374651	370398	372791	0.58	cps
Zirconium	90-1	2741594	2694154	2704864	2713537	0.92	cps
Zirconium	91-1	573794	573845	572818	573486	0.10	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCB015	Instrumnet Name :	P8
Client Sample ID :	CCB015	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:59:54	DataFile Name :	058CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10	30	13	18	60.28	cps
Antimony	121-1	503	423	437	454	9.43	cps
Arsenic	75-2	0	0	0	0	0.00	cps
Barium	135-1	350	273	173	266	33.36	cps
Barium	137-1	533	420	387	447	17.21	cps
Beryllium	9-1	235	209	212	219	6.49	cps
Bismuth	209-1	2535959	2517346	2491330	2514878	0.89	cps
Bismuth	209-2	876809	970894	948598	932101	5.27	cps
Bromine	81-1	1803	1720	1887	1803	4.62	cps
Cadmium	108-1	7	7	0	4	86.60	cps
Cadmium	106-1	1080	1090	1030	1067	3.01	cps
Cadmium	111-1	798	775	754	776	2.82	cps
Calcium	43-1	317	177	200	231	32.45	cps
Calcium	44-1	3854	2224	2470	2849	30.84	cps
Carbon	12-1	619882	615081	608392	614452	0.94	cps
Carbon	12-2	3550	3797	3457	3602	4.88	cps
Chlorine	35-1	682558	645818	608684	645686	5.72	cps
Chlorine	35-2	2134	2044	2077	2085	2.18	cps
Chromium	52-2	117	73	90	93	23.42	cps
Cobalt	59-2	33	63	90	62	45.57	cps
Copper	63-2	793	847	827	822	3.28	cps
Dysprosium	156-1	107	103	110	107	3.12	cps
Dysprosium	156-2	0	3	7	3	100.05	cps
Erbium	164-1	20	10	7	12	56.76	cps
Erbium	164-2	0	7	10	6	91.64	cps
Gadolinium	160-1	10	10	0	7	86.60	cps
Gadolinium	160-2	0	7	3	3	100.05	cps
Holmium	165-1	3859596	3864592	3855849	3860012	0.11	cps
Holmium	165-2	1174983	1293316	1267943	1245414	5.00	cps
Indium	115-1	2907196	2875877	2943579	2908884	1.16	cps
Indium	115-2	244378	270457	264954	259930	5.29	cps
Iron	54-2	267	243	317	276	13.60	cps
Iron	56-2	4701	4524	4587	4604	1.94	cps
Iron	57-2	140	103	90	111	23.30	cps
Krypton	83-1	63	53	43	53	18.75	cps
Lead	206-1	1050	667	623	780	30.11	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCB015	Instrumnet Name :	P8
Client Sample ID :	CCB015	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:59:54	DataFile Name :	058CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	873	663	707	748	14.83	cps
Lead	208-1	3977	3087	3017	3360	15.93	cps
Lithium	6-1	913996	919508	884465	905990	2.08	cps
Magnesium	24-2	637	697	730	688	6.88	cps
Manganese	55-2	263	300	270	278	7.03	cps
Molybdenum	94-1	520	347	240	369	38.31	cps
Molybdenum	95-1	537	323	380	413	26.73	cps
Molybdenum	96-1	590	457	377	474	22.72	cps
Molybdenum	97-1	337	173	197	236	37.50	cps
Molybdenum	98-1	987	633	443	688	40.09	cps
Neodymium	150-1	10	10	0	7	86.60	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	270	287	220	259	13.40	cps
Phosphorus	31-2	7	0	0	2	173.21	cps
Potassium	39-2	3577	3414	3570	3520	2.63	cps
Rhodium	103-1	2712436	2686385	2679712	2692844	0.64	cps
Rhodium	103-2	879561	974037	954736	936111	5.33	cps
Scandium	45-1	1689539	1709302	1646673	1681838	1.90	cps
Scandium	45-2	24187	27647	27249	26361	7.18	cps
Selenium	82-1	3	-17	-27	-13	-114.62	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	0	0	0	0.00	cps
Silicon	28-1	96071	92713	91958	93581	2.34	cps
Silver	107-1	353	277	247	292	18.82	cps
Silver	109-1	317	230	223	257	20.29	cps
Sodium	23-2	18538	18181	18101	18274	1.27	cps
Strontium	86-1	143	97	93	111	25.16	cps
Strontium	88-1	487	290	343	373	27.24	cps
Sulfur	34-1	79912	78069	77620	78533	1.55	cps
Terbium	159-1	3873294	3897265	3940656	3903739	0.87	cps
Terbium	159-2	1128053	1242819	1210462	1193778	4.96	cps
Thallium	203-1	393	293	330	339	14.93	cps
Thallium	205-1	930	693	717	780	16.72	cps
Tin	118-1	467	433	473	458	4.68	cps
Titanium	47-1	127	90	60	92	36.21	cps
Uranium	238-1	290	113	167	190	47.69	cps

Reviewed By:Mohan
On:2/7/2025 11:30:42 AM
Inst Id :P8

LB Number :	LB134589	Operator :	Jaswal
Lab Sample ID :	CCB015	Instrumnet Name :	P8
Client Sample ID :	CCB015	Dilution Factor :	1
Date & Time Acquired :	2025-02-03 18:59:54	DataFile Name :	058CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	10	17	10	12	31.50	cps
Ytterbium	172-1	23	23	20	22	8.65	cps
Ytterbium	172-2	10	0	17	9	94.38	cps
Ytterbium	176-1	403	450	353	402	12.02	cps
Ytterbium	176-2	47	57	70	58	20.26	cps
Yttrium	89-1	4917263	4796180	4838761	4850735	1.27	cps
Yttrium	89-2	283181	311509	303605	299431	4.88	cps
Zinc	66-2	57	93	97	82	26.99	cps
Zirconium	90-1	337	253	267	286	15.68	cps
Zirconium	91-1	73	60	37	57	32.75	cps

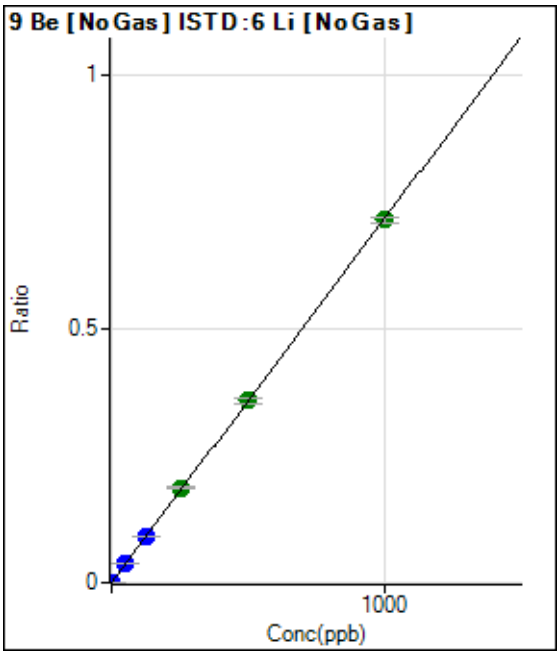
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

Calibration for 004CALB.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P8020625MS.b\
Analysis File: P8020625MS.batch.bin
DA Date-Time: 2025-02-06 19:18:37
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2025-02-06 12:08:54
2	005CALS.d	S02	2025-02-06 12:12:13
3	006CALB.d	S03	2025-02-06 12:15:34
4	007CALS.d	S04	2025-02-06 12:18:35
5	008CALS.d	S05	2025-02-06 12:21:31
6	009CALS.d	S06	2025-02-06 12:24:18
7	010CALS.d	S07	2025-02-06 12:27:05
8	011CALS.d	S08	2025-02-06 12:29:51

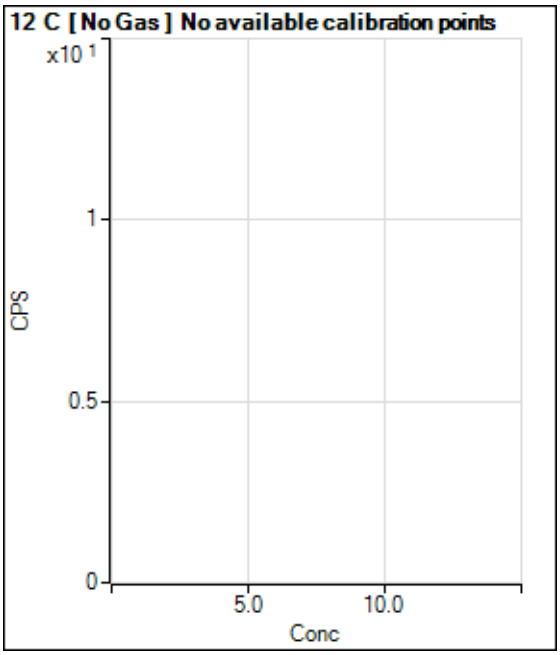
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	299.55	0.0000	P	5.7
2	☐	1.000	1.105	7601.02	0.0008	P	0.6
3	☐	50.000	50.575	325755.46	0.0363	P	1.3
4	☐	125.000	125.563	807230.92	0.0901	P	1.6
5	☐	250.000	260.917	1646635.43	0.1871	A	0.5
6	☐	500.000	500.895	3065868.83	0.3592	A	3.1
7	☐	1000.000	996.724	5979788.32	0.7148	A	1.6
8	☐			2023.23	0.0003	P	11.1

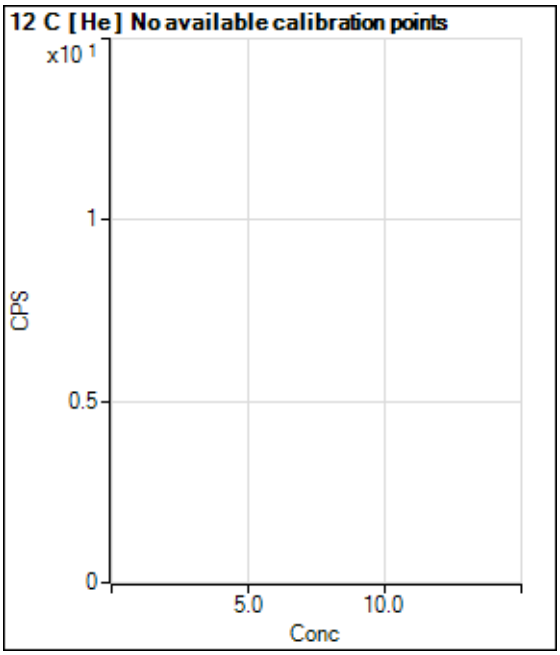
y = 7.1714E-004 * x + 3.3052E-005
R = 0.9999
DL = 0.007867
BEC = 0.04609

Weight: <None>
Min Conc: 0

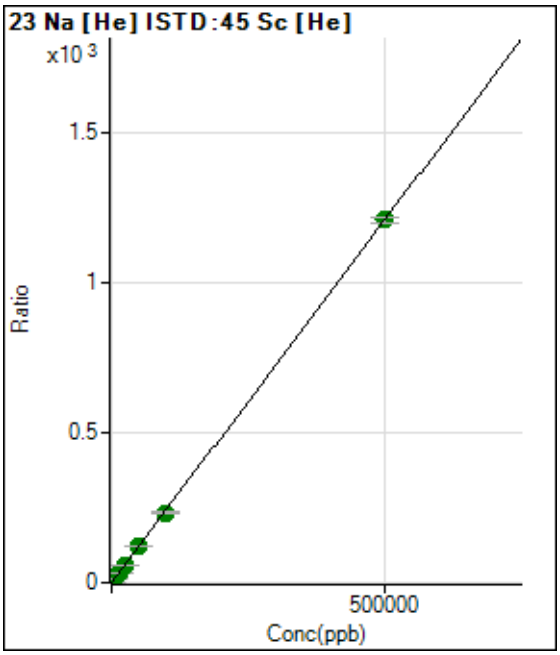


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			6492331.71		A	0.7
2	☐			6780051.43		A	0.7
3	☐			6653098.58		A	1.2
4	☐			6841966.70		A	0.5
5	☐			7057636.77		A	0.6
6	☐			7200802.81		A	2.1
7	☐			8096407.59		A	2.2
8	☐			7003234.76		A	0.7

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			42841.20		P	0.9
2	☐			44617.46		P	0.3
3	☐			43829.54		P	0.7
4	☐			45526.89		P	1.0
5	☐			47830.88		P	0.7
6	☐			49713.77		P	1.3
7	☐			57866.65		P	0.4
8	☐			61869.36		P	1.6

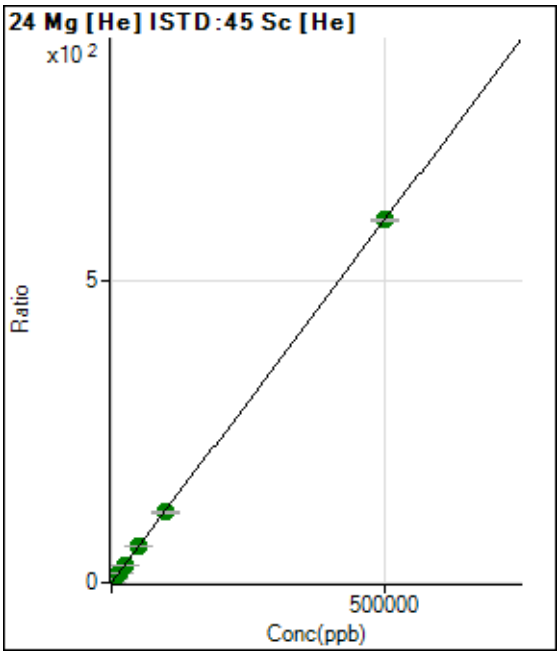


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	55760.32	0.2382	P	0.6
2	☐	500.000	521.089	349842.29	1.4970	P	0.3
3	☐	5000.000	4951.978	2822057.88	12.2014	A	1.9
4	☐	12500.000	12372.251	6956311.28	30.1275	A	0.7
5	☐	25000.000	24836.823	13768986.32	60.2399	A	0.5
6	☐	50000.000	50354.134	26222550.72	121.8856	A	0.4
7	☐	100000.00	96513.484	51640965.34	233.3991	A	1.1
8	☐	500000.00	500673.70	248800967.4	1,209.784	A	1.9

y = 0.0024 * x + 0.2382
R = 1.0000
DL = 1.699
BEC = 98.59

Weight: <None>
Min Conc: 0

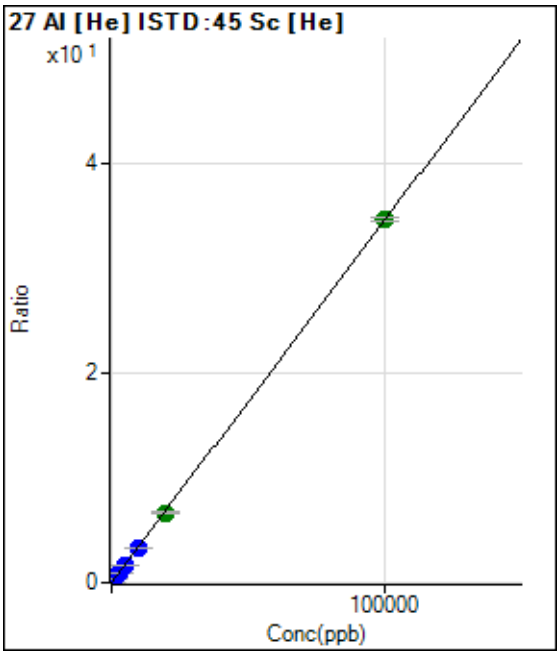
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4650.78	0.0199	P	2.6
2	☐	500.000	534.109	154607.72	0.6616	P	0.1
3	☐	5000.000	5034.854	1403842.83	6.0693	A	1.4
4	☐	12500.000	12614.920	3504109.32	15.1768	A	0.6
5	☐	25000.000	25091.272	6895103.51	30.1672	A	0.5
6	☐	50000.000	50833.316	13143176.75	61.0964	A	0.5
7	☐	100000.00	97128.939	25824302.67	116.7208	A	1.4
8	☐	500000.00	500483.06	123685942.6	601.3531	A	0.3

y = 0.0012 * x + 0.0199
R = 1.0000
DL = 1.277
BEC = 16.53

Weight: <None>
Min Conc: 0

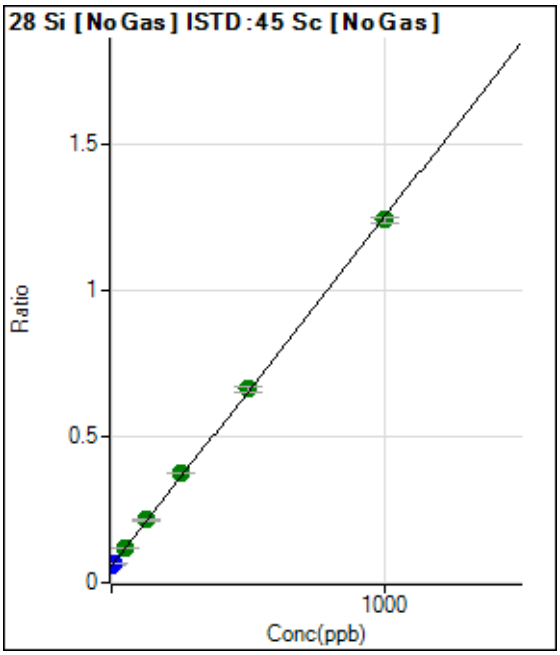


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	77.78	0.0003	P	23.6
2	☐	20.000	20.337	1722.34	0.0074	P	2.1
3	☐	1000.000	958.242	76785.46	0.3320	P	2.2
4	☐	2500.000	2402.443	192068.14	0.8319	P	0.3
5	☐	5000.000	4822.560	381570.92	1.6695	P	0.7
6	☐	10000.000	9741.780	725378.44	3.3721	P	1.1
7	☐	20000.000	19343.237	1481358.52	6.6953	A	0.9
8	☐	100000.00	100168.90	7130685.38	34.6704	A	1.1

y = 3.4612E-004 * x + 3.3179E-004
R = 1.0000
DL = 0.6799
BEC = 0.9586

Weight: <None>
Min Conc: 0

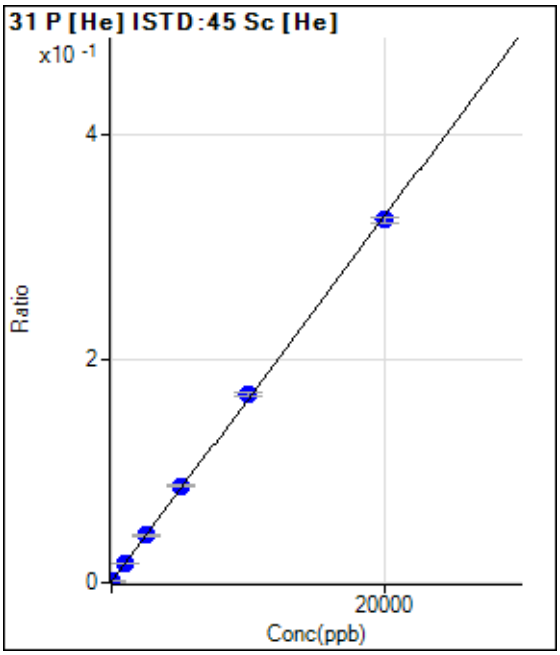
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	649404.83	0.0569	P	2.1
2	☐	10.000	7.787	744095.66	0.0662	P	0.6
3	☐	50.000	52.460	1330772.59	0.1195	A	0.6
4	☐	125.000	132.061	2365208.98	0.2145	A	1.6
5	☐	250.000	265.033	4064727.09	0.3732	A	0.6
6	☐	500.000	507.374	7128445.59	0.6625	A	3.0
7	☐	1000.000	991.571	13161651.47	1.2405	A	1.3
8	☐			810986.71	0.0842	P	1.1

y = 0.0012 * x + 0.0569
R = 0.9998
DL = 2.998
BEC = 47.64

Weight: <None>
Min Conc: 0

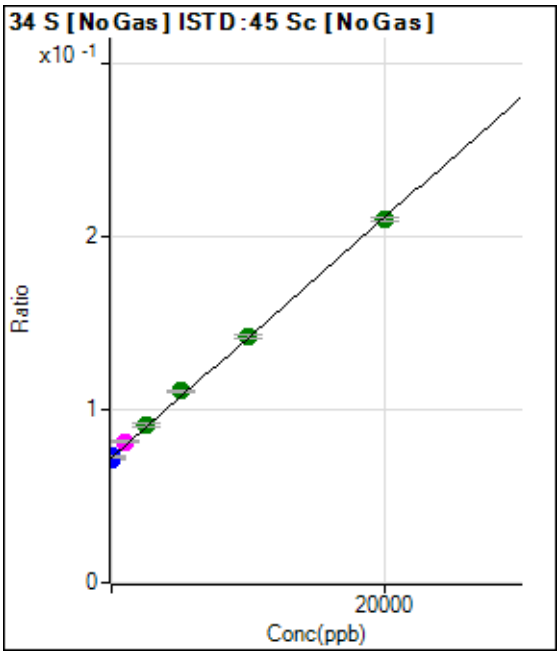


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-18.210	110.00	0.0005	P	21.6
2	☐	0.000	18.210	248.89	0.0011	P	12.5
3	☐	1000.000	1010.216	3995.04	0.0173	P	6.8
4	☐	2500.000	2533.847	9735.56	0.0422	P	1.4
5	☐	5000.000	5252.014	19789.14	0.0866	P	1.4
6	☐	10000.000	10268.387	36251.89	0.1685	P	1.6
7	☐	20000.000	19798.061	71736.05	0.3242	P	1.3
8	☐			111.11	0.0005	P	22.0

y = 1.6338E-005 * x + 7.6787E-004
R = 0.9998
DL = 21.59
BEC = 47

Weight: <None>
Min Conc: 0

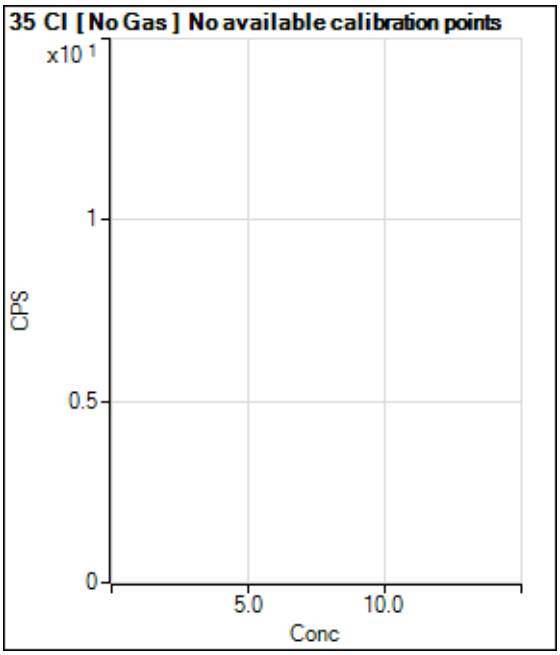
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-85.005	819535.25	0.0718	P	2.4
2	☐	0.000	85.005	820440.18	0.0730	P	0.9
3	☐	1000.000	1299.045	906511.04	0.0814	M	1.2
4	☐	2500.000	2756.900	1009217.73	0.0915	A	2.0
5	☐	5000.000	5535.280	1207156.98	0.1109	A	1.6
6	☐	10000.000	10066.160	1532039.70	0.1424	A	1.8
7	☐	20000.000	19786.035	2227605.89	0.2099	A	1.1
8	☐			665329.30	0.0691	P	2.3

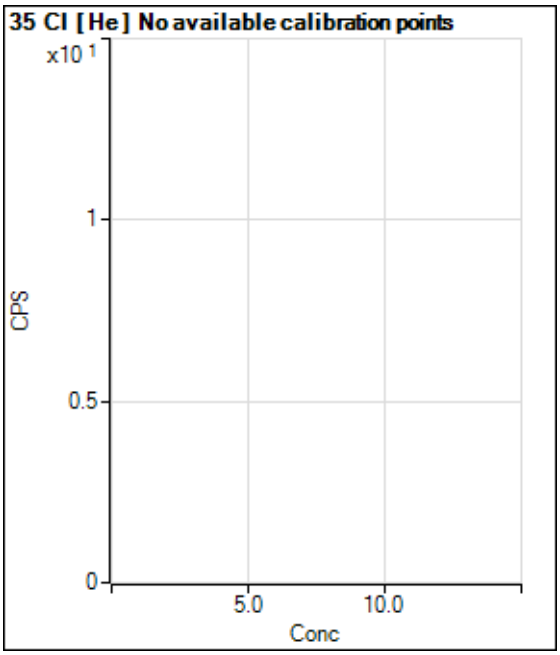
y = 6.9536E-006 * x + 0.0724
R = 0.9995
DL = 506.2
BEC = 1.041E+04

Weight: <None>
Min Conc: 0

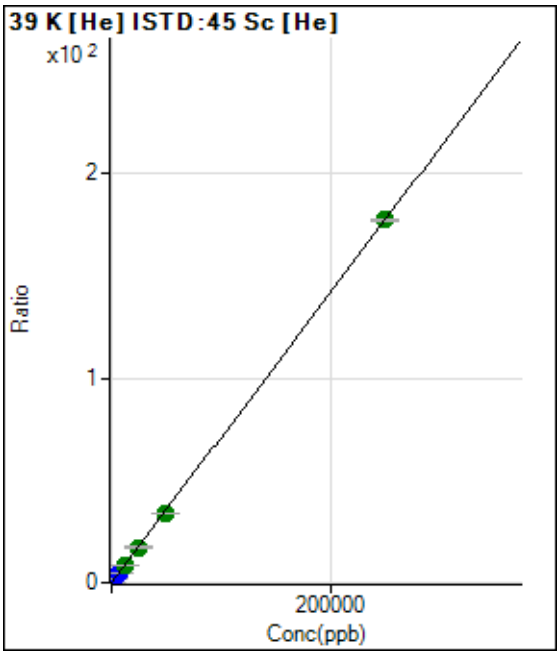


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			167891.88		P	0.4
2	☐			169064.32		P	0.9
3	☐			163879.92		P	0.5
4	☐			164354.36		P	0.5
5	☐			171655.02		P	0.4
6	☐			175272.29		P	0.5
7	☐			197625.40		P	1.5
8	☐			156089.64		P	0.7

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			690.02		P	7.8
2	☐			717.81		P	9.8
3	☐			686.69		P	5.1
4	☐			700.03		P	6.4
5	☐			713.36		P	7.3
6	☐			726.69		P	2.9
7	☐			876.70		P	4.9
8	☐			691.14		P	4.8

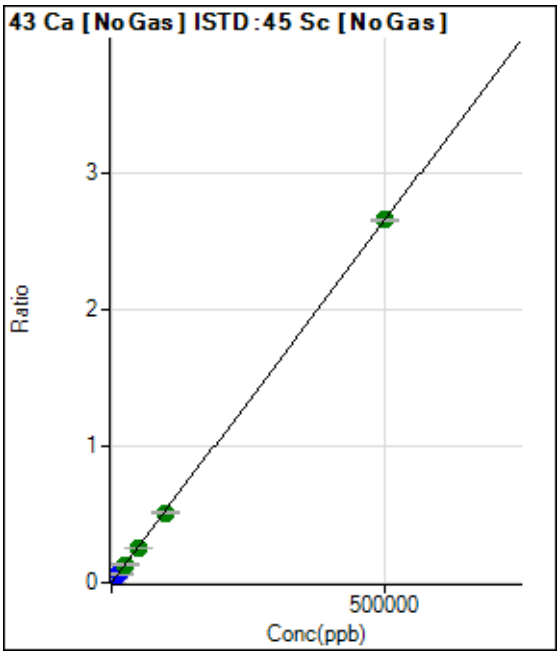


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13211.70	0.0564	P	1.3
2	☐	500.000	508.771	97328.29	0.4165	P	0.7
3	☐	2500.000	2369.609	400974.09	1.7334	P	0.7
4	☐	6250.000	5988.420	991539.96	4.2945	P	0.8
5	☐	12500.000	12363.353	2012754.64	8.8062	A	1.5
6	☐	25000.000	24429.184	3731054.67	17.3454	A	1.5
7	☐	50000.000	47709.475	7483021.42	33.8212	A	1.2
8	☐	250000.00	250529.84	36479288.07	177.3607	A	0.4

y = 7.0772E-004 * x + 0.0564
R = 1.0000
DL = 3.228
BEC = 79.73

Weight: <None>
Min Conc: 0

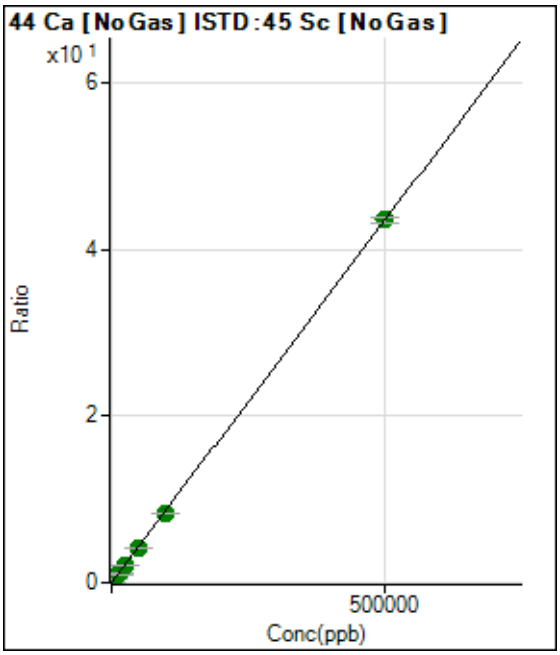
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	690.02	0.0001	P	4.2
2	☐	500.000	518.193	31534.58	0.0028	P	1.1
3	☐	5000.000	4786.836	282942.43	0.0254	P	1.1
4	☐	12500.000	12036.520	703282.84	0.0638	P	2.5
5	☐	25000.000	25094.048	1447565.15	0.1329	A	1.3
6	☐	50000.000	48032.999	2736593.88	0.2544	A	4.1
7	☐	100000.00	96259.368	5408626.03	0.5097	A	1.4
8	☐	500000.00	500953.82	25543196.01	2.6525	A	0.7

y = 5.2947E-006 * x + 6.0374E-005
R = 1.0000
DL = 1.451
BEC = 11.4

Weight: <None>
Min Conc: 0

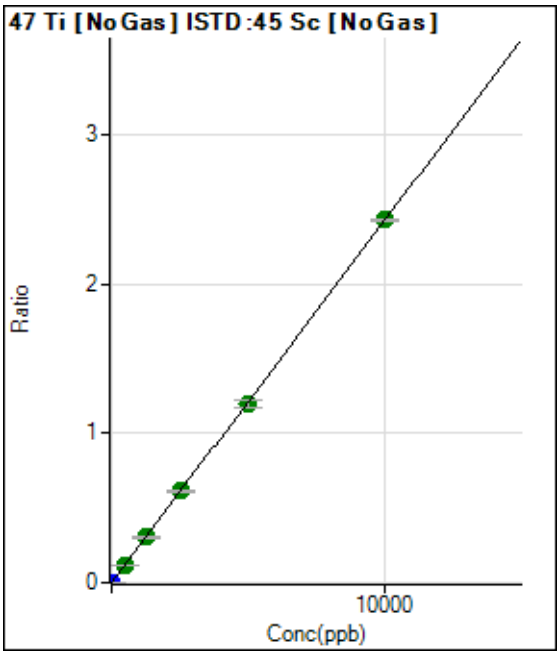


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	34224.02	0.0030	P	1.5
2	☐	500.000	510.497	532926.39	0.0474	P	1.0
3	☐	5000.000	4752.829	4636360.49	0.4163	A	0.5
4	☐	12500.000	11950.698	11491016.08	1.0422	A	2.0
5	☐	25000.000	24363.907	23105687.71	2.1216	A	1.5
6	☐	50000.000	47208.658	44206963.79	4.1082	A	2.5
7	☐	100000.00	95505.588	88153443.13	8.3080	A	0.8
8	☐	500000.00	501226.01	419745478.1	43.5889	A	1.3

y = 8.6959E-005 * x + 0.0030
R = 0.9999
DL = 1.565
BEC = 34.46

Weight: <None>
Min Conc: 0

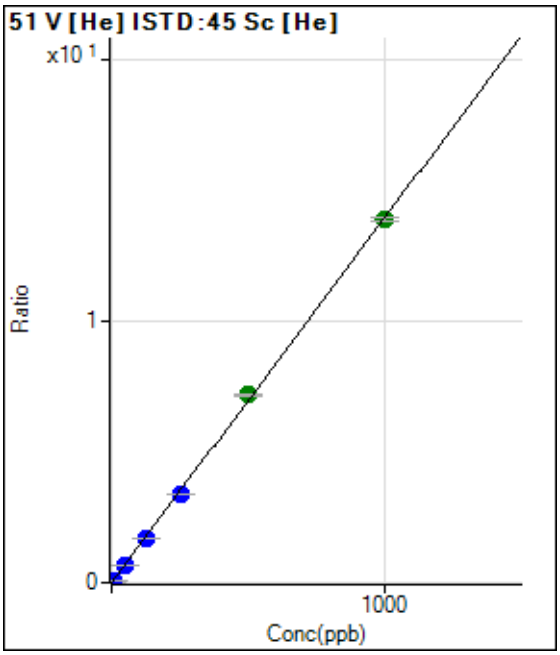
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	246.67	0.0000	P	1.9
2	☐	5.000	5.314	14716.55	0.0013	P	1.7
3	☐	500.000	498.276	1344304.79	0.1207	A	1.6
4	☐	1250.000	1251.929	3343781.55	0.3032	A	1.7
5	☐	2500.000	2534.076	6684766.36	0.6138	A	1.3
6	☐	5000.000	4942.644	12880212.45	1.1972	A	3.4
7	☐	10000.000	10020.004	25751142.12	2.4269	A	0.3
8	☐			3381.55	0.0004	P	6.8

y = 2.4221E-004 * x + 2.1592E-005
R = 1.0000
DL = 0.005208
BEC = 0.08915

Weight: <None>
Min Conc: 0

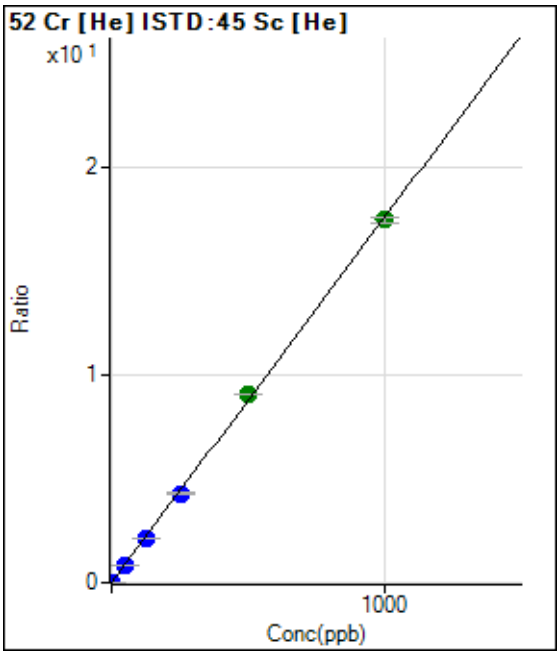


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6.67	0.0000	P	49.3
2	☐	5.000	5.249	17095.88	0.0732	P	2.8
3	☐	50.000	47.997	154668.62	0.6687	P	1.8
4	☐	125.000	120.733	388370.26	1.6821	P	0.4
5	☐	250.000	243.612	775720.42	3.3940	P	0.8
6	☐	500.000	514.457	1541841.30	7.1675	A	1.1
7	☐	1000.000	995.001	3067117.63	13.8624	A	0.9
8	☐			821.14	0.0040	P	7.0

y = 0.0139 * x + 2.8398E-005
R = 0.9998
DL = 0.003017
BEC = 0.002038

Weight: <None>
Min Conc: 0

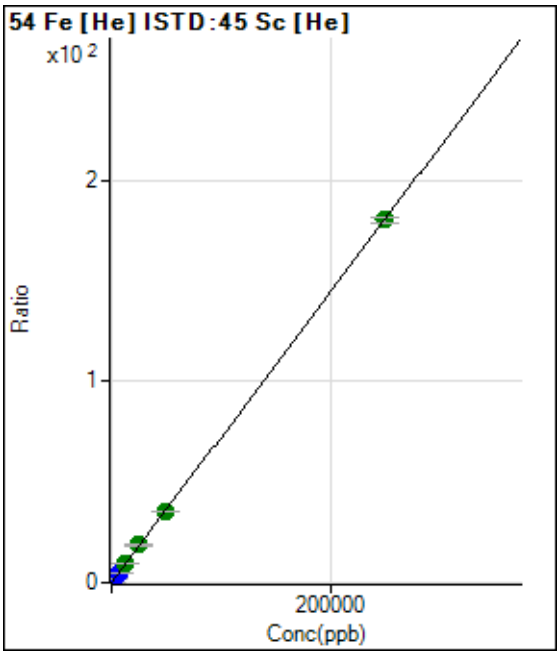
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1676.78	0.0072	P	4.8
2	☐	2.000	2.097	10296.00	0.0441	P	2.4
3	☐	50.000	48.670	199693.88	0.8633	P	1.1
4	☐	125.000	121.497	495134.91	2.1445	P	0.3
5	☐	250.000	244.524	984774.30	4.3087	P	0.6
6	☐	500.000	516.772	1957243.77	9.0979	A	0.1
7	☐	1000.000	993.487	3868422.75	17.4839	A	1.8
8	☐			9464.32	0.0460	P	2.6

y = 0.0176 * x + 0.0072
R = 0.9998
DL = 0.05836
BEC = 0.4072

Weight: <None>
Min Conc: 0

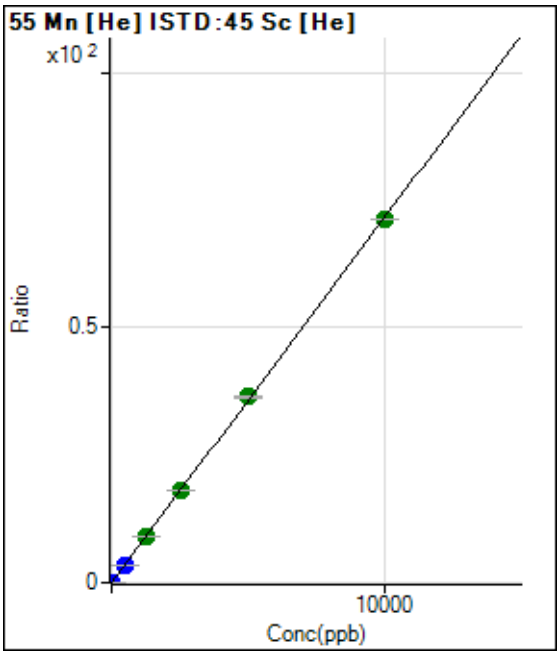


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	548.91	0.0023	P	10.2
2	☐	50.000	55.250	9862.35	0.0422	P	2.1
3	☐	2500.000	2477.871	413996.65	1.7900	P	2.0
4	☐	6250.000	6182.846	1030387.67	4.4628	P	0.9
5	☐	12500.000	12753.925	2103592.02	9.2034	A	1.1
6	☐	25000.000	25860.234	4013241.82	18.6587	A	2.4
7	☐	50000.000	49181.686	7850713.22	35.4834	A	1.4
8	☐	250000.00	250066.84	37104507.78	180.4078	A	1.4

y = 7.2143E-004 * x + 0.0023
R = 1.0000
DL = 0.9953
BEC = 3.251

Weight: <None>
Min Conc: 0

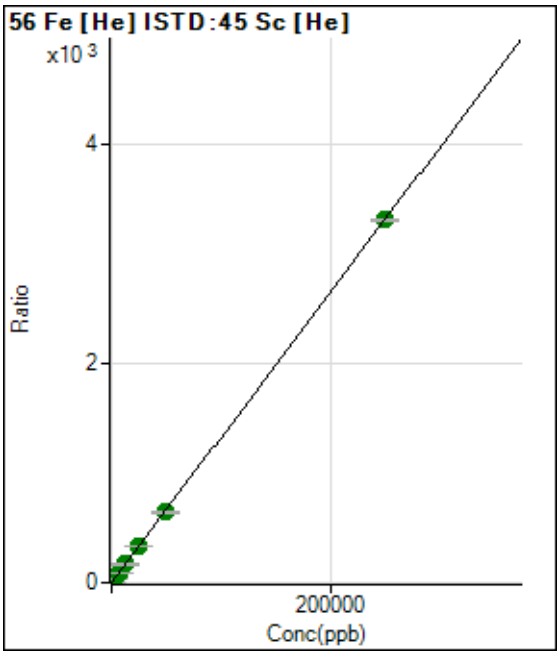
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	141.11	0.0006	P	0.8
2	☐	1.000	1.063	1917.93	0.0082	P	6.6
3	☐	500.000	491.924	814525.97	3.5217	P	1.9
4	☐	1250.000	1280.839	2116839.95	9.1685	A	1.4
5	☐	2500.000	2543.569	4161235.15	18.2067	A	0.7
6	☐	5000.000	5093.562	7843167.52	36.4588	A	0.4
7	☐	10000.000	9938.876	15740324.63	71.1401	A	0.1
8	☐			6856.16	0.0333	P	3.7

y = 0.0072 * x + 6.0273E-004
R = 0.9999
DL = 0.00201
BEC = 0.08421

Weight: <None>
Min Conc: 0

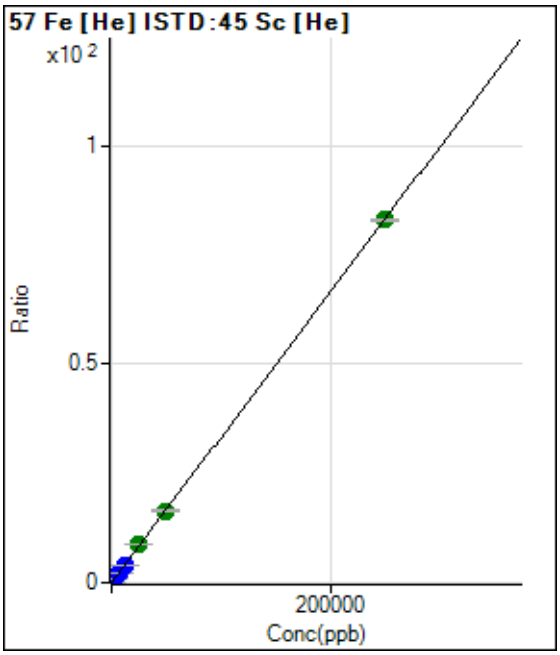


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6719.42	0.0287	P	6.5
2	☐	50.000	53.740	172473.19	0.7381	P	0.6
3	☐	2500.000	2495.735	7626117.11	32.9716	A	1.8
4	☐	6250.000	6289.400	19174160.27	83.0469	A	0.7
5	☐	12500.000	12677.636	38252405.54	167.3697	A	1.7
6	☐	25000.000	25462.262	72307056.14	336.1229	A	0.7
7	☐	50000.000	48540.308	141766919.0	640.7461	A	0.9
8	☐	250000.00	250235.88	679358478.7	3,303.066	A	0.9

y = 0.0132 * x + 0.0287
R = 1.0000
DL = 0.4211
BEC = 2.175

Weight: <None>
Min Conc: 0

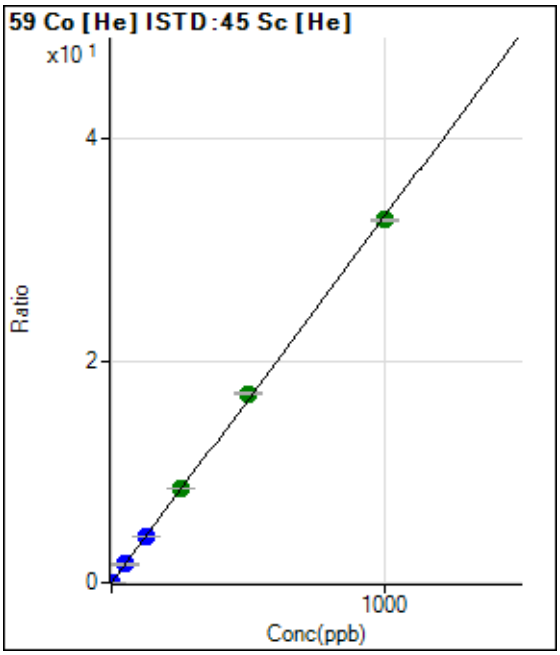
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	194.45	0.0008	P	11.6
2	☐	50.000	51.927	4222.89	0.0181	P	4.3
3	☐	2500.000	2453.575	188621.39	0.8155	P	1.8
4	☐	6250.000	6107.893	468434.01	2.0289	P	0.6
5	☐	12500.000	12320.743	935197.80	4.0918	P	1.1
6	☐	25000.000	26145.578	1867412.80	8.6821	A	2.3
7	☐	50000.000	49627.171	3646140.36	16.4788	A	1.5
8	☐	250000.00	249972.98	17071398.63	83.0006	A	0.7

y = 3.3204E-004 * x + 8.3101E-004
R = 1.0000
DL = 0.8674
BEC = 2.503

Weight: <None>
Min Conc: 0

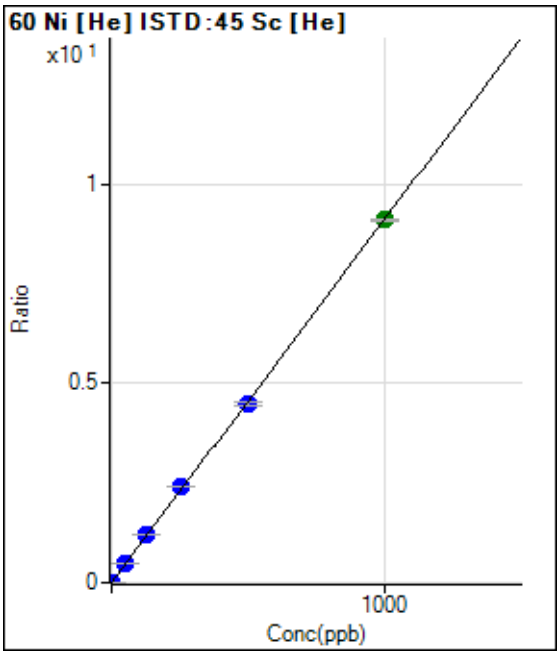


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	94.44	0.0004	P	15.6
2	☐	1.000	1.177	9179.70	0.0393	P	1.9
3	☐	50.000	50.076	382669.05	1.6545	P	1.7
4	☐	125.000	124.309	948132.41	4.1064	P	0.1
5	☐	250.000	257.214	1941901.15	8.4964	A	0.6
6	☐	500.000	515.060	3659759.08	17.0132	A	1.1
7	☐	1000.000	990.749	7240736.56	32.7257	A	0.5
8	☐			15191.56	0.0739	P	3.1

y = 0.0330 * x + 4.0309E-004
R = 0.9998
DL = 0.005726
BEC = 0.0122

Weight: <None>
Min Conc: 0

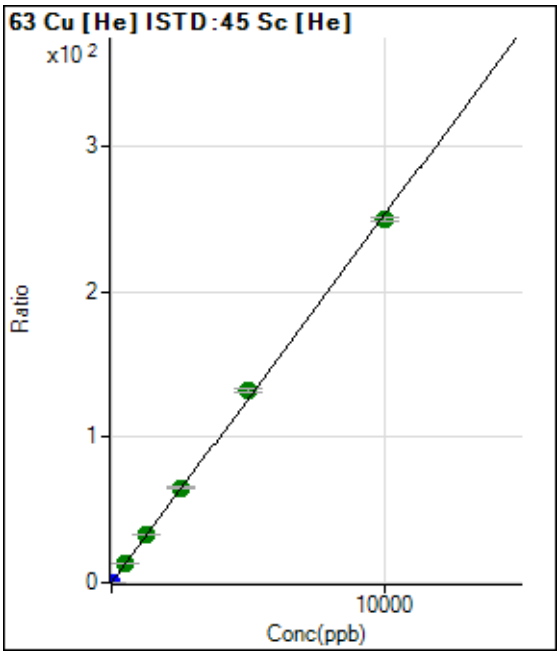
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	715.58	0.0031	P	4.3
2	☐	1.000	1.099	3054.80	0.0131	P	4.8
3	☐	50.000	52.813	112078.86	0.4846	P	2.1
4	☐	125.000	133.262	281245.83	1.2181	P	0.1
5	☐	250.000	265.984	554979.55	2.4282	P	0.8
6	☐	500.000	492.336	966228.30	4.4920	P	1.8
7	☐	1000.000	998.663	2015333.86	9.1086	A	0.6
8	☐			6512.65	0.0317	P	1.4

y = 0.0091 * x + 0.0031
R = 0.9998
DL = 0.04348
BEC = 0.3351

Weight: <None>
Min Conc: 0

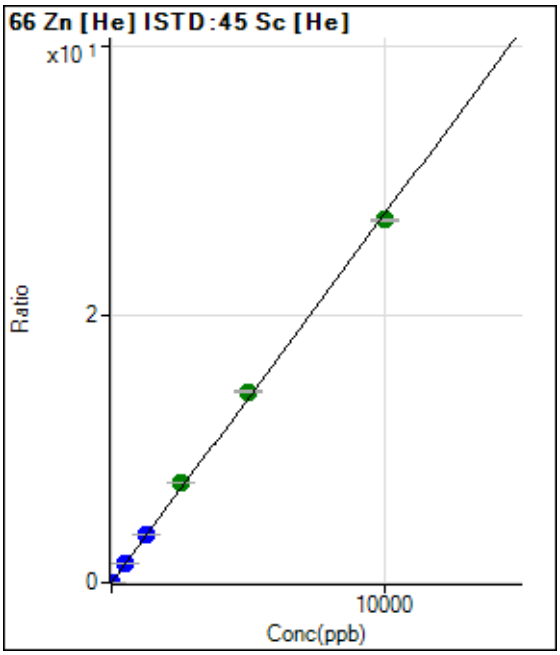


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3802.77	0.0162	P	4.4
2	☐	2.000	2.241	17038.11	0.0729	P	0.6
3	☐	500.000	523.552	3065583.67	13.2546	A	2.1
4	☐	1250.000	1288.834	7528313.99	32.6051	A	0.6
5	☐	2500.000	2583.770	14935792.28	65.3483	A	0.8
6	☐	5000.000	5218.698	28386633.47	131.9739	A	2.0
7	☐	10000.000	9863.677	55185646.40	249.4248	A	1.2
8	☐			11343.52	0.0551	P	0.8

y = 0.0253 * x + 0.0162
R = 0.9996
DL = 0.08399
BEC = 0.6425

Weight: <None>
Min Conc: 0

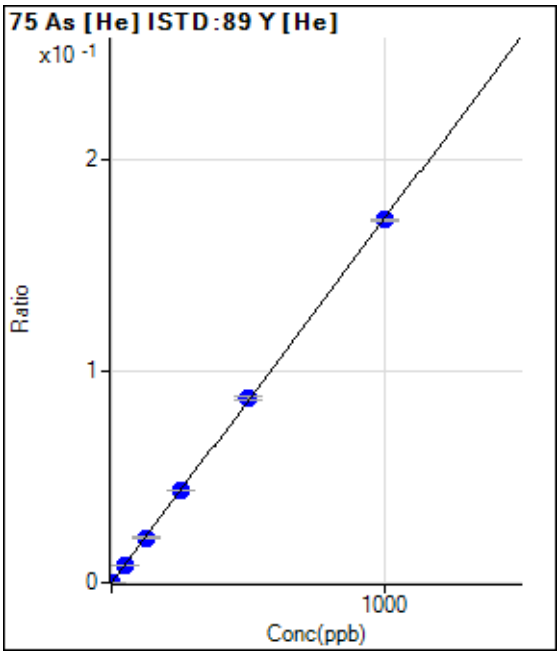
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	336.67	0.0014	P	3.4
2	☐	5.000	5.367	3781.65	0.0162	P	5.4
3	☐	500.000	518.470	329779.38	1.4258	P	1.7
4	☐	1250.000	1302.186	826299.04	3.5788	P	0.3
5	☐	2500.000	2706.708	1699886.59	7.4373	A	1.3
6	☐	5000.000	5188.463	3066439.99	14.2551	A	1.6
7	☐	10000.000	9846.645	5985352.27	27.0520	A	0.6
8	☐			2943.67	0.0143	P	4.9

y = 0.0027 * x + 0.0014
R = 0.9995
DL = 0.05348
BEC = 0.5236

Weight: <None>
Min Conc: 0

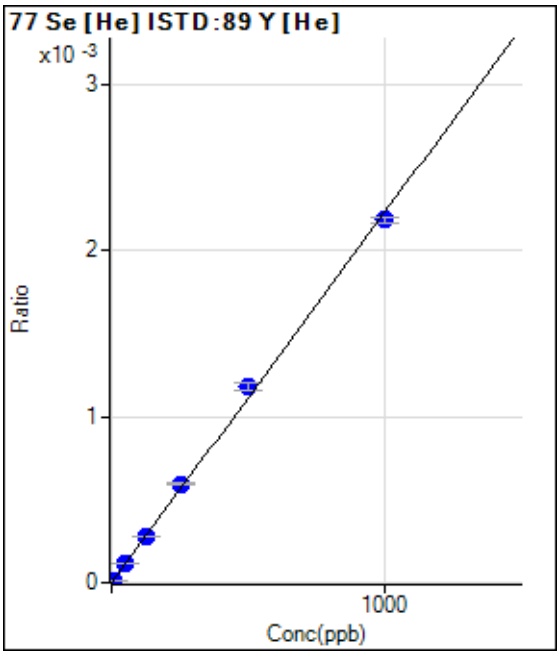


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6.67	0.0000	P	51.4
2	☐	1.000	1.101	410.01	0.0002	P	12.0
3	☐	50.000	49.317	18056.10	0.0085	P	1.9
4	☐	125.000	123.585	45255.79	0.0213	P	1.0
5	☐	250.000	254.042	90612.10	0.0437	P	1.3
6	☐	500.000	505.347	173574.69	0.0870	P	2.2
7	☐	1000.000	996.527	347359.22	0.1716	P	0.9
8	☐			225.56	0.0001	P	7.3

y = 1.7215E-004 * x + 3.0948E-006
R = 1.0000
DL = 0.02769
BEC = 0.01798

Weight: <None>
Min Conc: 0

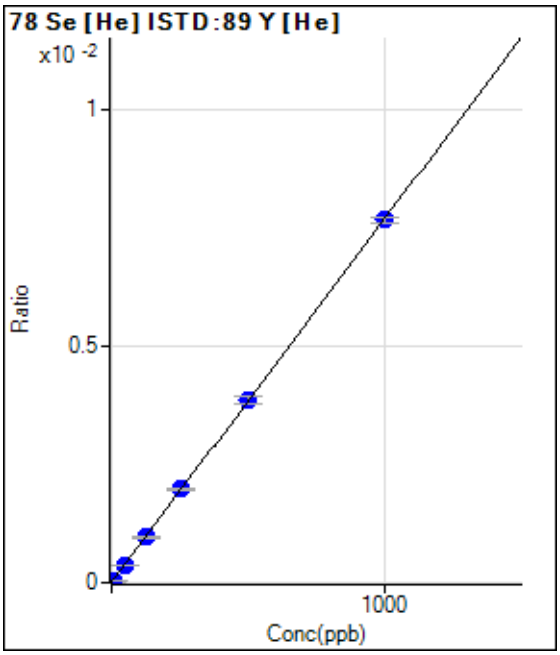
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	5.000	4.451	21.11	0.0000	P	45.7
3	☐	50.000	52.248	247.78	0.0001	P	6.2
4	☐	125.000	124.836	592.24	0.0003	P	3.0
5	☐	250.000	266.663	1232.29	0.0006	P	3.1
6	☐	500.000	530.681	2361.34	0.0012	P	4.5
7	☐	1000.000	980.405	4428.52	0.0022	P	1.8
8	☐			1.11	0.0000	P	173.

y = 2.2306E-006 * x + 0.0000E+000
R = 0.9991
DL = 0
BEC = 0

Weight: <None>
Min Conc: 0

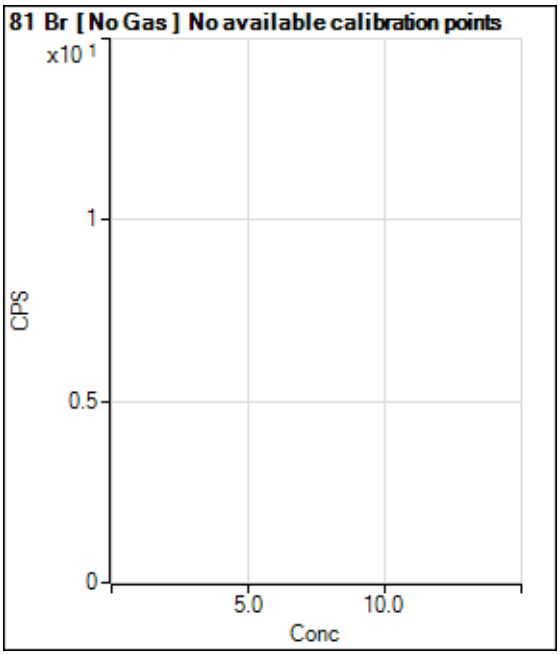


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.67	0.0000	P	69.4
2	☐	5.000	4.161	84.44	0.0000	P	22.3
3	☐	50.000	47.734	795.59	0.0004	P	4.4
4	☐	125.000	124.666	2052.40	0.0010	P	4.6
5	☐	250.000	256.667	4099.52	0.0020	P	1.3
6	☐	500.000	501.636	7699.95	0.0039	P	3.3
7	☐	1000.000	997.674	15527.52	0.0077	P	1.4
8	☐			6.67	0.0000	P	50.0

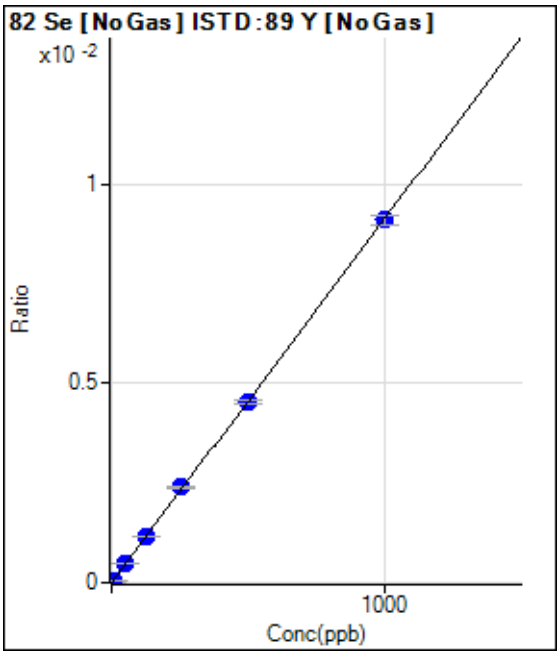
y = 7.6790E-006 * x + 7.7181E-006
R = 1.0000
DL = 2.093
BEC = 1.005

Weight: <None>
Min Conc: 0

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			4261.80		P	3.0
2	☐			4142.87		P	4.0
3	☐			4071.74		P	3.5
4	☐			3906.14		P	0.3
5	☐			4032.84		P	2.3
6	☐			3793.88		P	6.9
7	☐			4015.06		P	1.6
8	☐			4030.63		P	0.5

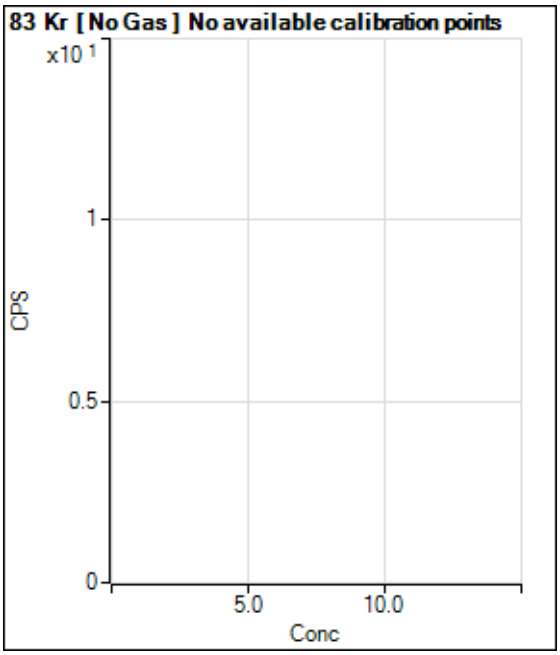


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	20.00	0.0000	P	31.1
2	☐	5.000	5.266	1333.44	0.0000	P	0.6
3	☐	50.000	51.025	12593.78	0.0005	P	2.5
4	☐	125.000	127.157	31817.86	0.0012	P	1.9
5	☐	250.000	261.843	64314.24	0.0024	P	0.8
6	☐	500.000	498.169	121133.77	0.0045	P	1.9
7	☐	1000.000	997.632	240624.74	0.0091	P	2.7
8	☐			27.78	0.0000	P	203.

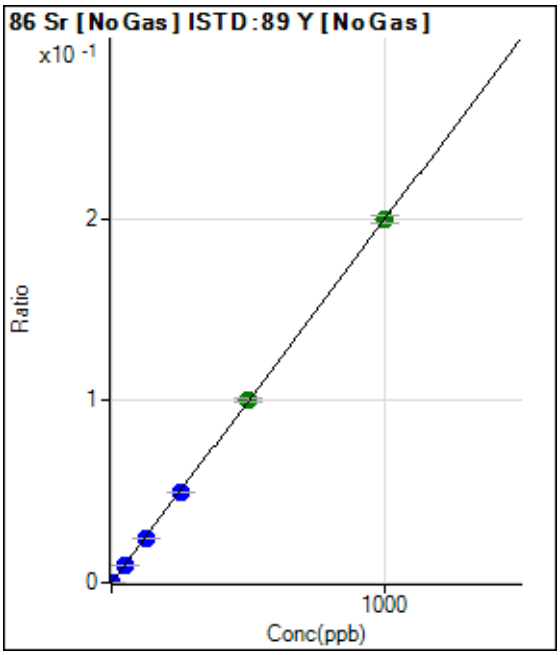
y = 9.1244E-006 * x + 7.1409E-007
R = 0.9999
DL = 0.07291
BEC = 0.07826

Weight: <None>
Min Conc: 0

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			290.01		P	14.1
2	☐			265.56		P	13.8
3	☐			285.56		P	3.6
4	☐			295.56		P	12.8
5	☐			230.00		P	5.2
6	☐			310.01		P	19.1
7	☐			294.45		P	11.8
8	☐			318.90		P	18.4

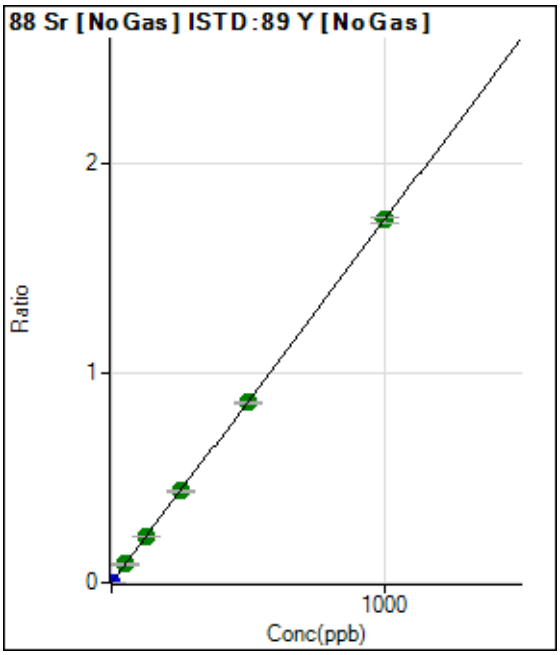


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	503.35	0.0000	P	17.9
2	☐	1.000	1.067	6320.38	0.0002	P	3.2
3	☐	50.000	48.748	263444.41	0.0098	P	1.5
4	☐	125.000	121.053	663107.09	0.0242	P	1.4
5	☐	250.000	248.670	1337004.91	0.0497	P	0.7
6	☐	500.000	503.273	2678684.96	0.1005	A	2.0
7	☐	1000.000	999.252	5276047.42	0.1996	A	2.3
8	☐			16602.15	0.0007	P	0.5

y = 1.9972E-004 * x + 1.8108E-005
R = 1.0000
DL = 0.04869
BEC = 0.09067

Weight: <None>
Min Conc: 0

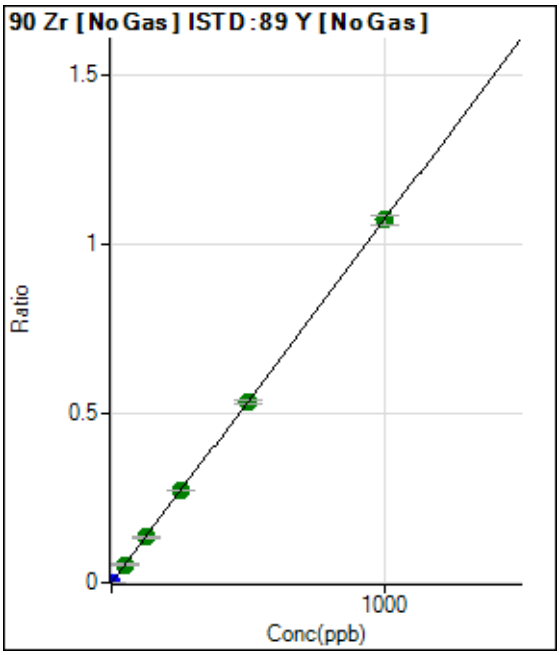
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	361.12	0.0000	P	9.6
2	☐	1.000	1.061	50573.40	0.0018	P	1.1
3	☐	50.000	50.542	2363414.46	0.0875	A	2.1
4	☐	125.000	125.638	5961953.32	0.2175	A	0.9
5	☐	250.000	253.008	11787023.44	0.4380	A	1.5
6	☐	500.000	497.856	22966438.82	0.8619	A	1.1
7	☐	1000.000	1000.213	45774527.65	1.7315	A	1.6
8	☐			140271.68	0.0059	P	0.8

y = 0.0017 * x + 1.2973E-005
R = 1.0000
DL = 0.002168
BEC = 0.007494

Weight: <None>
Min Conc: 0

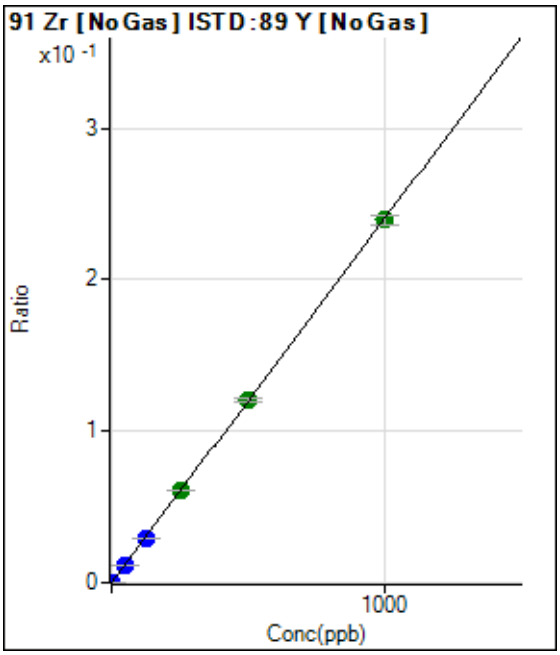


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	933.37	0.0000	P	10.0
2	☐	1.000	1.036	31344.06	0.0011	P	1.5
3	☐	50.000	50.234	1458625.85	0.0540	A	1.4
4	☐	125.000	125.265	3689437.79	0.1346	A	2.1
5	☐	250.000	254.857	7370100.72	0.2739	A	0.5
6	☐	500.000	498.474	14271543.12	0.5356	A	1.7
7	☐	1000.000	999.504	28386090.13	1.0739	A	2.9
8	☐			47730.31	0.0020	P	1.0

y = 0.0011 * x + 3.3502E-005
R = 1.0000
DL = 0.009329
BEC = 0.03118

Weight: <None>
Min Conc: 0

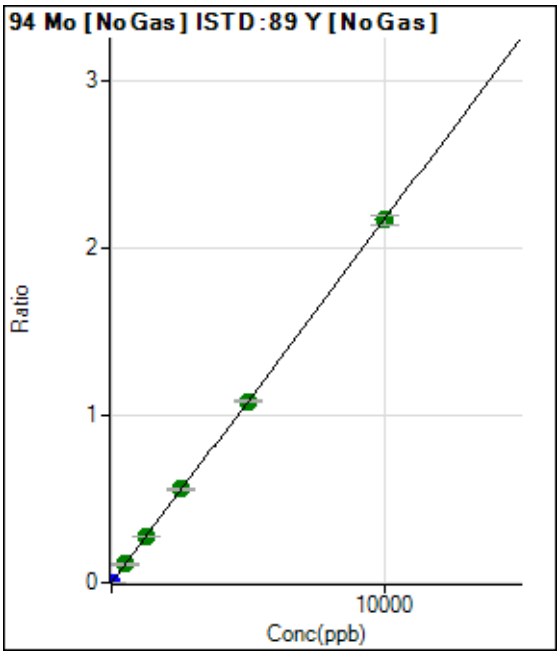
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	155.56	0.0000	P	10.2
2	☐	1.000	1.018	6833.96	0.0002	P	2.0
3	☐	50.000	48.102	311926.87	0.0115	P	1.2
4	☐	125.000	120.019	789514.89	0.0288	P	1.3
5	☐	250.000	255.030	1647170.51	0.0612	A	0.8
6	☐	500.000	503.997	3222730.05	0.1209	A	2.0
7	☐	1000.000	997.461	6326876.22	0.2394	A	2.8
8	☐			10741.98	0.0004	P	2.2

y = 2.3997E-004 * x + 5.5880E-006
R = 1.0000
DL = 0.007123
BEC = 0.02329

Weight: <None>
Min Conc: 0

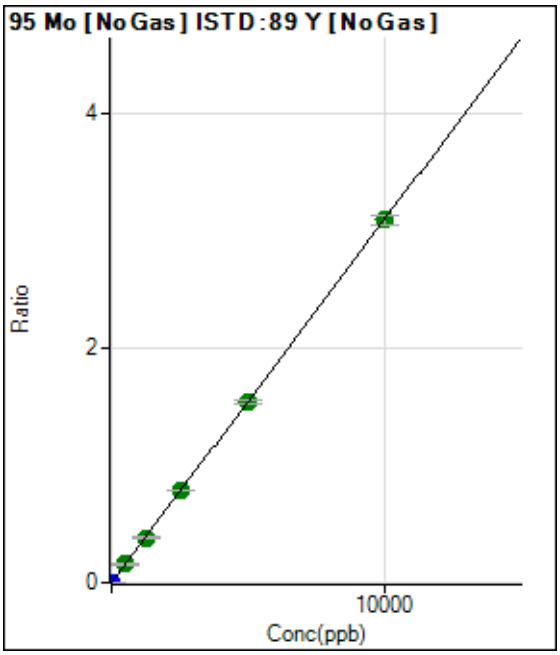


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	374.45	0.0000	P	7.1
2	☐	5.000	6.204	37155.13	0.0014	P	1.2
3	☐	500.000	507.536	2972811.31	0.1101	A	2.4
4	☐	1250.000	1248.840	7423134.54	0.2708	A	0.6
5	☐	2500.000	2569.945	14998598.39	0.5573	A	0.7
6	☐	5000.000	4996.107	28869797.35	1.0834	A	1.3
7	☐	10000.000	9984.228	57231410.81	2.1651	A	2.5
8	☐			24312.45	0.0010	P	3.7

y = 2.1685E-004 * x + 1.3430E-005
R = 1.0000
DL = 0.0131
BEC = 0.06193

Weight: <None>
Min Conc: 0

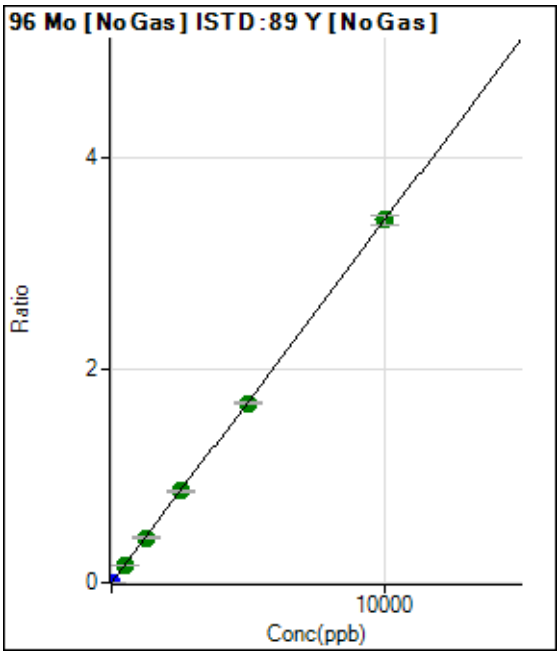
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	156.67	0.0000	P	18.5
2	☐	5.000	5.230	44336.01	0.0016	P	1.1
3	☐	500.000	503.724	4203426.02	0.1556	A	1.9
4	☐	1250.000	1244.379	10538539.22	0.3845	A	1.2
5	☐	2500.000	2551.599	21215449.27	0.7883	A	0.7
6	☐	5000.000	4988.449	41067384.67	1.5412	A	1.6
7	☐	10000.000	9993.392	81611594.34	3.0875	A	2.5
8	☐			11916.47	0.0005	P	5.5

y = 3.0896E-004 * x + 5.6323E-006
R = 1.0000
DL = 0.01011
BEC = 0.01823

Weight: <None>
Min Conc: 0

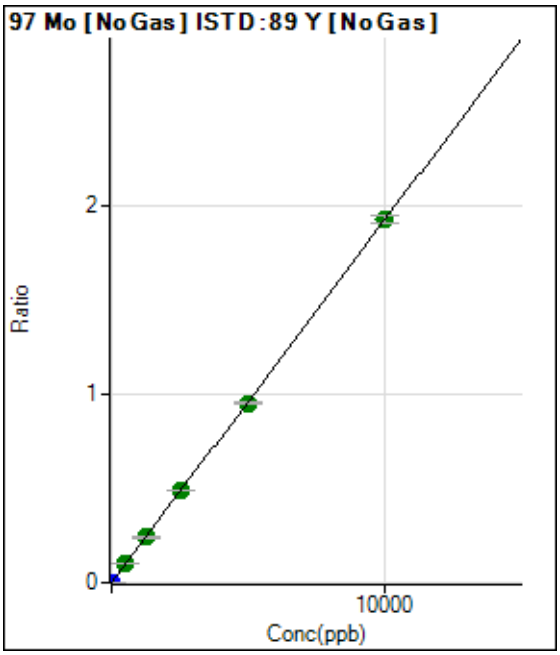


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	213.34	0.0000	P	7.9
2	☐	5.000	5.254	49136.49	0.0018	P	0.8
3	☐	500.000	503.167	4628719.93	0.1714	A	0.3
4	☐	1250.000	1242.574	11598042.33	0.4232	A	1.4
5	☐	2500.000	2534.354	23226559.93	0.8631	A	1.2
6	☐	5000.000	4961.079	45021057.66	1.6895	A	0.8
7	☐	10000.000	10011.641	90125787.54	3.4095	A	2.4
8	☐			16038.31	0.0007	P	4.7

y = 3.4056E-004 * x + 7.6478E-006
R = 1.0000
DL = 0.0053
BEC = 0.02246

Weight: <None>
Min Conc: 0

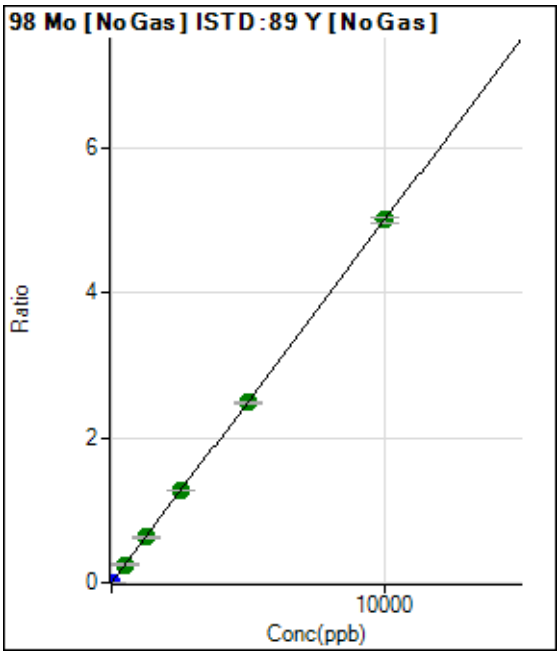
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	97.78	0.0000	P	9.4
2	☐	5.000	5.316	27983.80	0.0010	P	2.4
3	☐	500.000	508.044	2633141.54	0.0975	A	0.9
4	☐	1250.000	1250.812	6577813.17	0.2400	A	2.1
5	☐	2500.000	2548.069	13157592.72	0.4889	A	1.2
6	☐	5000.000	4951.194	25315910.73	0.9501	A	0.9
7	☐	10000.000	10011.882	50784152.58	1.9211	A	2.0
8	☐			6929.60	0.0003	P	6.5

y = 1.9188E-004 * x + 3.5127E-006
R = 1.0000
DL = 0.005169
BEC = 0.01831

Weight: <None>
Min Conc: 0

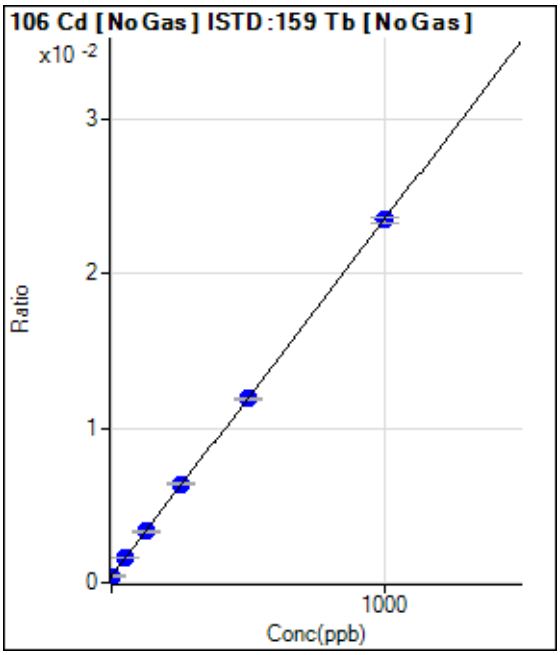


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	231.12	0.0000	P	14.9
2	☐	5.000	5.190	71276.11	0.0026	P	2.1
3	☐	500.000	503.835	6813729.83	0.2523	A	1.8
4	☐	1250.000	1247.432	17119181.13	0.6246	A	1.0
5	☐	2500.000	2541.961	34251370.60	1.2728	A	1.3
6	☐	5000.000	4961.580	66196053.46	2.4843	A	1.6
7	☐	10000.000	10008.849	132482390.2	5.0115	A	1.6
8	☐			17545.91	0.0007	P	6.0

y = 5.0071E-004 * x + 8.2843E-006
R = 1.0000
DL = 0.007404
BEC = 0.01655

Weight: <None>
Min Conc: 0

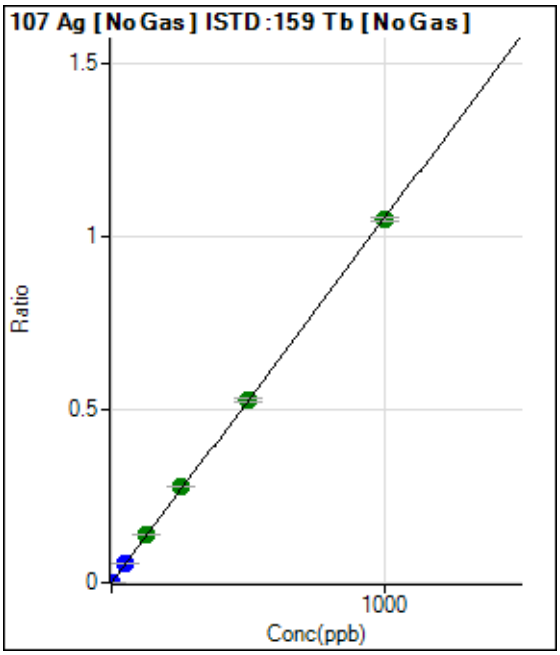
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8102.47	0.0004	P	1.7
2	☐	1.000	0.990	8395.97	0.0004	P	1.7
3	☐	50.000	52.438	31430.25	0.0016	P	1.2
4	☐	125.000	126.388	65580.35	0.0033	P	2.3
5	☐	250.000	259.284	124870.92	0.0064	P	1.6
6	☐	500.000	497.559	230555.04	0.0119	P	1.1
7	☐	1000.000	998.604	450449.33	0.0235	P	1.4
8	☐			7195.27	0.0004	P	0.8

y = 2.3099E-005 * x + 4.0910E-004
R = 0.9999
DL = 0.9114
BEC = 17.71

Weight: <None>
Min Conc: 0

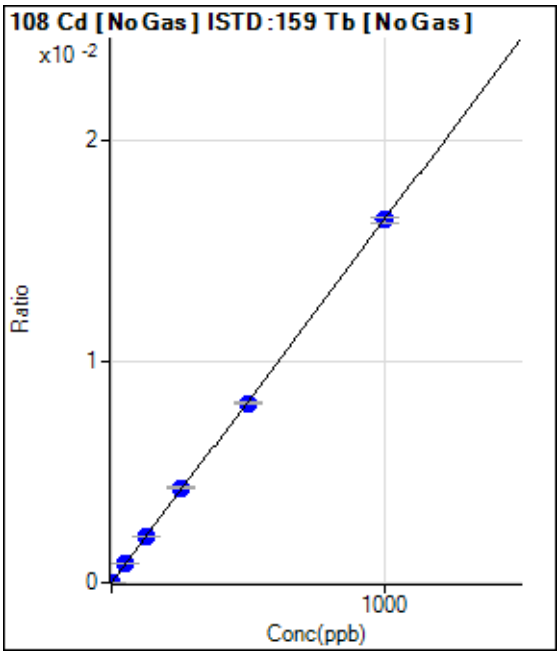


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	196.67	0.0000	P	17.0
2	☐	1.000	1.060	21911.96	0.0011	P	2.3
3	☐	50.000	50.694	1037340.99	0.0535	P	1.0
4	☐	125.000	131.151	2726115.20	0.1383	A	1.0
5	☐	250.000	263.258	5419214.29	0.2777	A	1.5
6	☐	500.000	501.584	10247648.39	0.5291	A	2.0
7	☐	1000.000	995.090	20138358.59	1.0496	A	1.2
8	☐			2574.73	0.0001	P	13.2

y = 0.0011 * x + 9.9565E-006
R = 0.9999
DL = 0.004802
BEC = 0.00944

Weight: <None>
Min Conc: 0

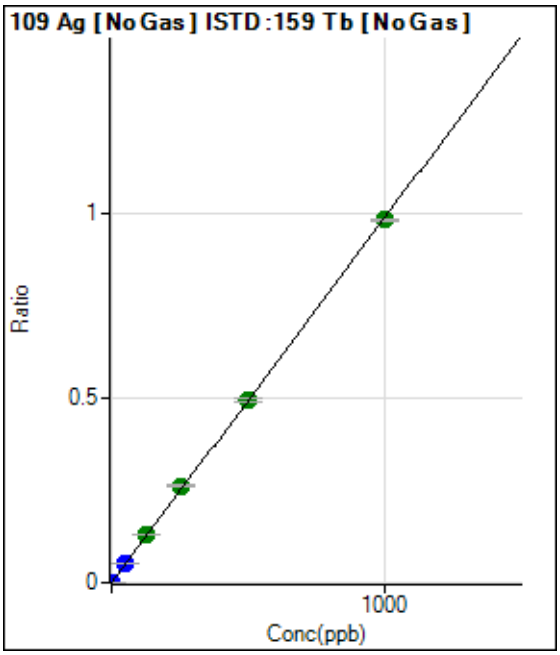
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	17.78	0.0000	P	63.6
2	☐	1.000	1.064	356.67	0.0000	P	7.5
3	☐	50.000	51.974	16565.63	0.0009	P	0.2
4	☐	125.000	127.638	41296.22	0.0021	P	2.6
5	☐	250.000	260.627	83503.07	0.0043	P	2.2
6	☐	500.000	495.139	157458.02	0.0081	P	0.5
7	☐	1000.000	999.345	314751.20	0.0164	P	1.8
8	☐			200.00	0.0000	P	13.5

y = 1.6415E-005 * x + 8.8904E-007
R = 0.9999
DL = 0.1033
BEC = 0.05416

Weight: <None>
Min Conc: 0

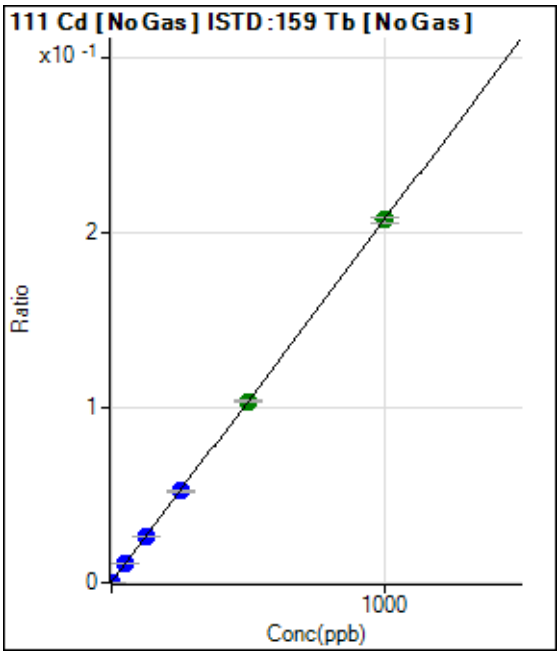


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	95.56	0.0000	P	7.4
2	☐	1.000	1.065	20585.50	0.0011	P	2.2
3	☐	50.000	51.439	987783.73	0.0509	P	1.2
4	☐	125.000	131.325	2561557.32	0.1300	A	0.8
5	☐	250.000	264.209	5104147.04	0.2615	A	1.7
6	☐	500.000	501.417	9614332.85	0.4964	A	1.9
7	☐	1000.000	994.876	18896638.75	0.9848	A	0.8
8	☐			2398.02	0.0001	P	9.9

y = 9.8990E-004 * x + 4.8173E-006
R = 0.9999
DL = 0.001081
BEC = 0.004867

Weight: <None>
Min Conc: 0

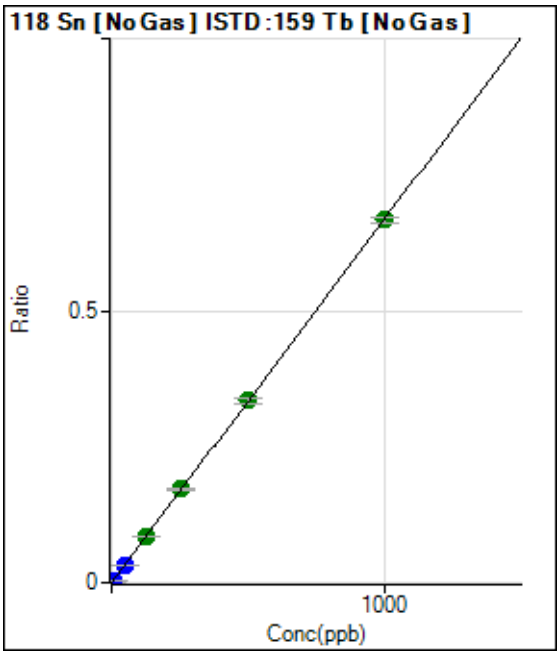
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5675.95	0.0003	P	1.9
2	☐	1.000	1.149	10193.87	0.0005	P	1.4
3	☐	50.000	50.490	208260.39	0.0107	P	1.0
4	☐	125.000	124.664	514043.12	0.0261	P	1.5
5	☐	250.000	252.841	1026835.55	0.0526	P	2.4
6	☐	500.000	499.405	2007874.40	0.1037	A	0.7
7	☐	1000.000	999.605	3975217.70	0.2072	A	1.5
8	☐			5598.93	0.0003	P	0.2

y = 2.0698E-004 * x + 2.8659E-004
R = 1.0000
DL = 0.07957
BEC = 1.385

Weight: <None>
Min Conc: 0

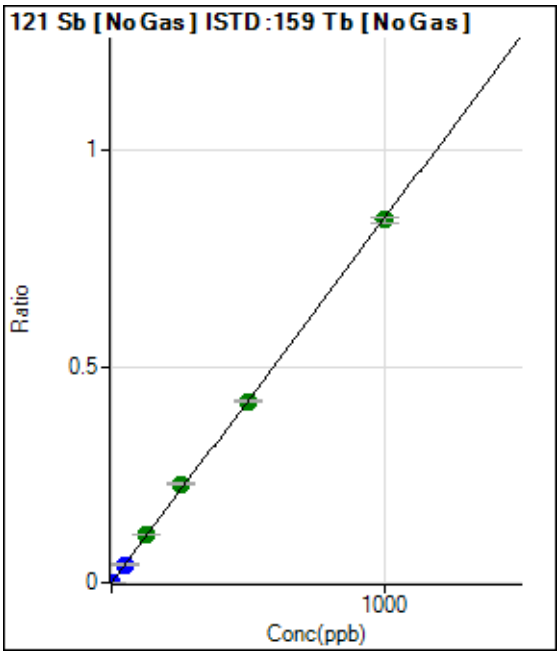


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2081.36	0.0001	P	8.4
2	☐	5.000	5.462	73027.63	0.0038	P	2.7
3	☐	50.000	49.871	648927.15	0.0335	P	0.6
4	☐	125.000	126.722	1671888.95	0.0848	A	0.4
5	☐	250.000	256.830	3354170.16	0.1719	A	1.1
6	☐	500.000	500.001	6478751.85	0.3345	A	2.3
7	☐	1000.000	998.081	12808427.86	0.6676	A	1.3
8	☐			4315.17	0.0002	P	1.8

y = 6.6873E-004 * x + 1.0514E-004
R = 1.0000
DL = 0.0397
BEC = 0.1572

Weight: <None>
Min Conc: 0

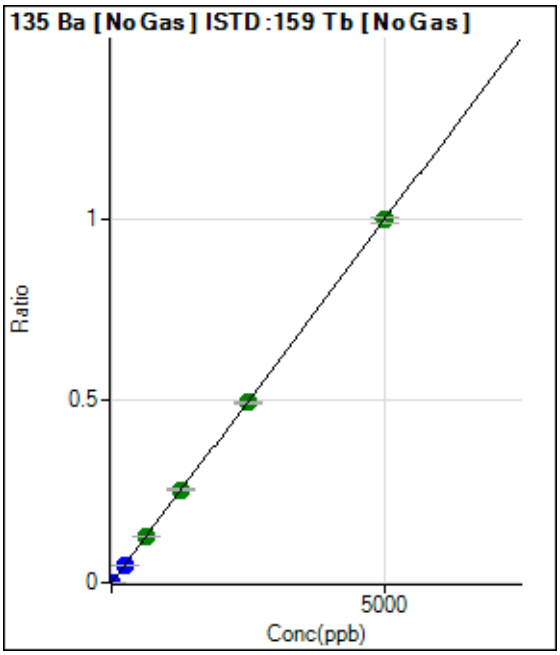
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	47.78	0.0000	P	11.6
2	☐	2.000	2.188	35889.24	0.0018	P	2.6
3	☐	50.000	50.107	819217.98	0.0422	P	1.0
4	☐	125.000	130.501	2167335.47	0.1100	A	1.5
5	☐	250.000	270.473	4448843.55	0.2280	A	1.9
6	☐	500.000	497.794	8127108.42	0.4196	A	1.5
7	☐	1000.000	995.291	16096043.79	0.8389	A	1.4
8	☐			6288.17	0.0004	P	3.8

y = 8.4285E-004 * x + 2.4137E-006
R = 0.9998
DL = 0.001
BEC = 0.002864

Weight: <None>
Min Conc: 0

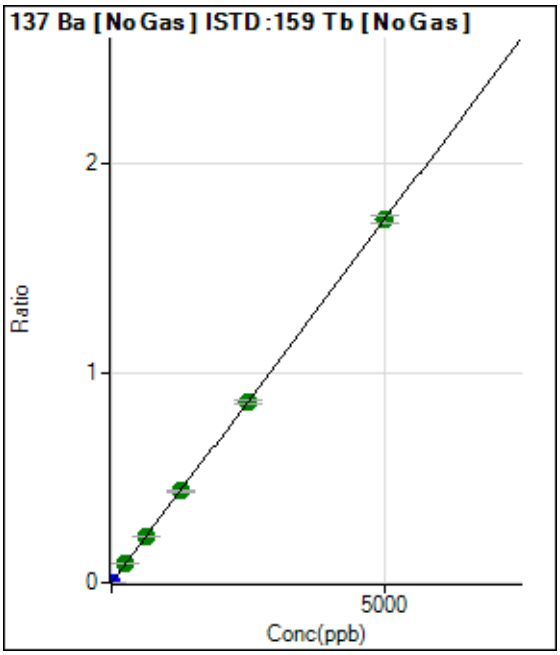


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	67.78	0.0000	P	35.9
2	☐	10.000	10.701	41501.17	0.0021	P	3.1
3	☐	250.000	244.126	943557.44	0.0486	P	0.6
4	☐	625.000	639.104	2509160.40	0.1273	A	1.7
5	☐	1250.000	1282.208	4985735.62	0.2555	A	1.8
6	☐	2500.000	2485.365	9592317.57	0.4952	A	1.3
7	☐	5000.000	4997.795	19107089.44	0.9958	A	1.4
8	☐			6960.76	0.0004	P	4.5

y = 1.9925E-004 * x + 3.4069E-006
R = 1.0000
DL = 0.01839
BEC = 0.0171

Weight: <None>
Min Conc: 0

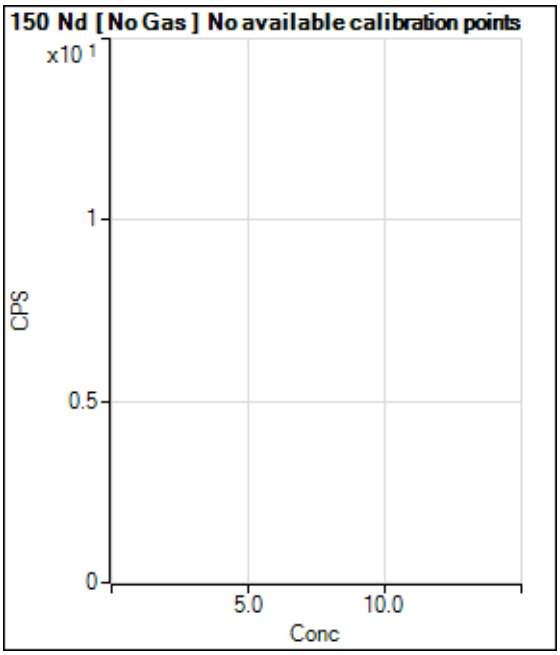
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	110.00	0.0000	P	10.7
2	☐	10.000	10.673	71882.90	0.0037	P	2.0
3	☐	250.000	252.966	1697894.49	0.0875	A	0.4
4	☐	625.000	627.669	4279676.67	0.2172	A	0.9
5	☐	1250.000	1265.989	8548903.00	0.4381	A	1.7
6	☐	2500.000	2494.153	16716867.80	0.8630	A	1.5
7	☐	5000.000	4998.443	33183120.62	1.7296	A	2.2
8	☐			12433.60	0.0007	P	3.1

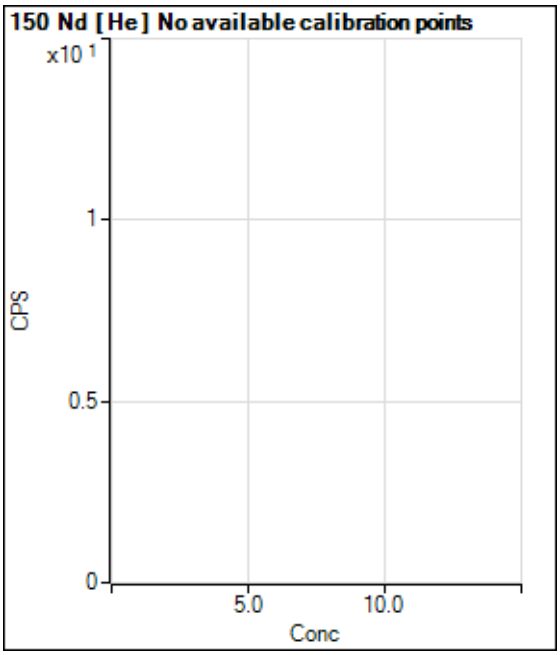
y = 3.4602E-004 * x + 5.5522E-006
R = 1.0000
DL = 0.005128
BEC = 0.01605

Weight: <None>
Min Conc: 0

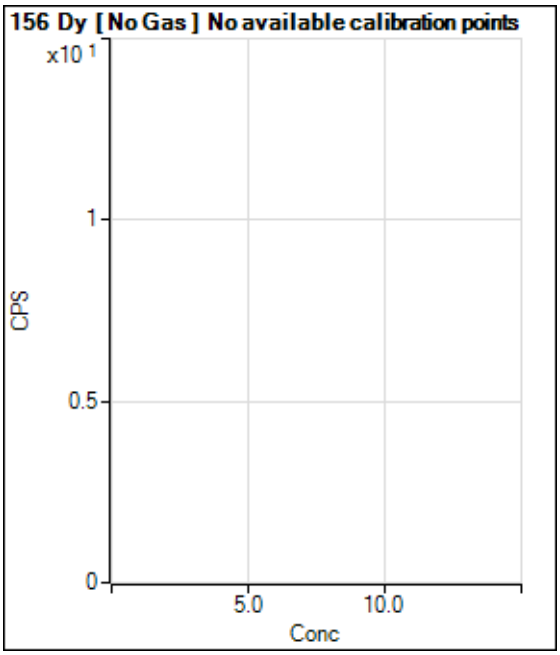


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			11.11		P	17.3
2	☐			11.11		P	45.8
3	☐			64.45		P	26.0
4	☐			177.78		P	8.5
5	☐			295.56		P	6.8
6	☐			547.80		P	0.7
7	☐			1197.84		P	9.4
8	☐			321.12		P	8.1

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

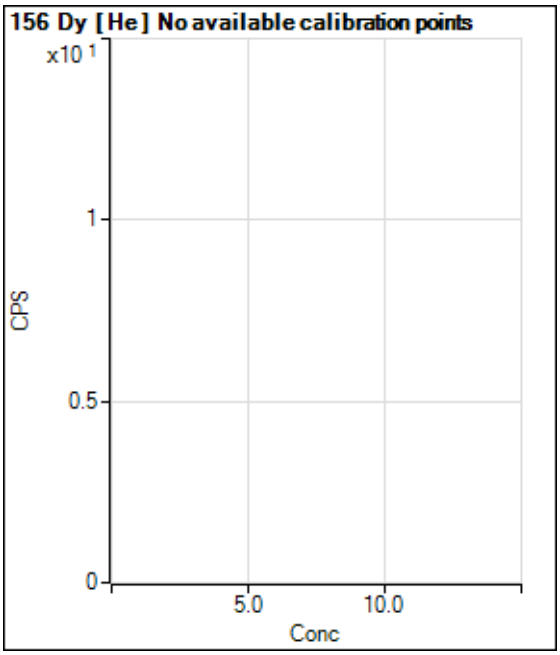


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			0.00		P	
2	☐			2.22		P	173.
3	☐			5.56		P	34.7
4	☐			13.33		P	25.0
5	☐			5.56		P	34.7
6	☐			22.22		P	22.9
7	☐			43.33		P	NaN
8	☐			74.44		P	2.6

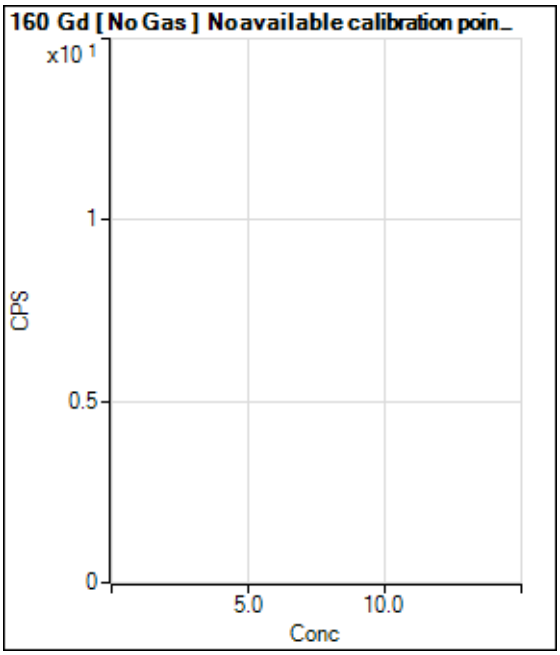


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			17.78		P	10.8
2	☐			13.33		P	90.2
3	☐			24.44		P	56.8
4	☐			46.67		P	18.9
5	☐			102.22		P	11.5
6	☐			198.89		P	4.8
7	☐			328.90		P	12.1
8	☐			590.02		P	16.4

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

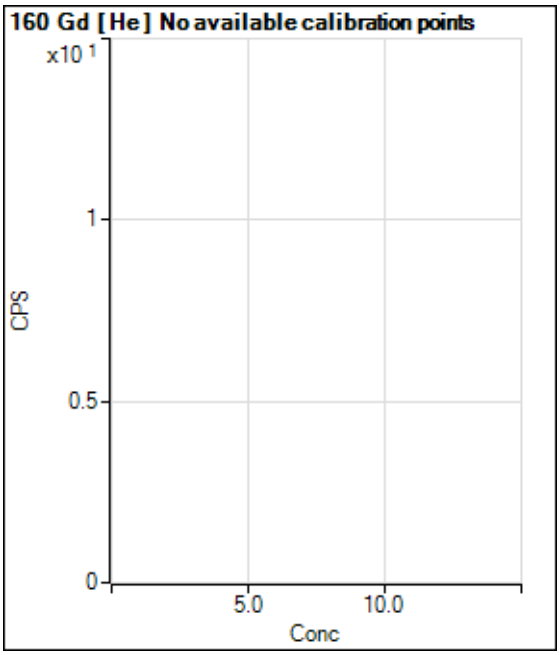


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			3.33		P	0.0
2	☐			7.78		P	89.2
3	☐			2.22		P	173.
4	☐			13.34		P	43.3
5	☐			15.56		P	53.9
6	☐			30.00		P	29.4
7	☐			58.89		P	23.6
8	☐			214.45		P	6.5

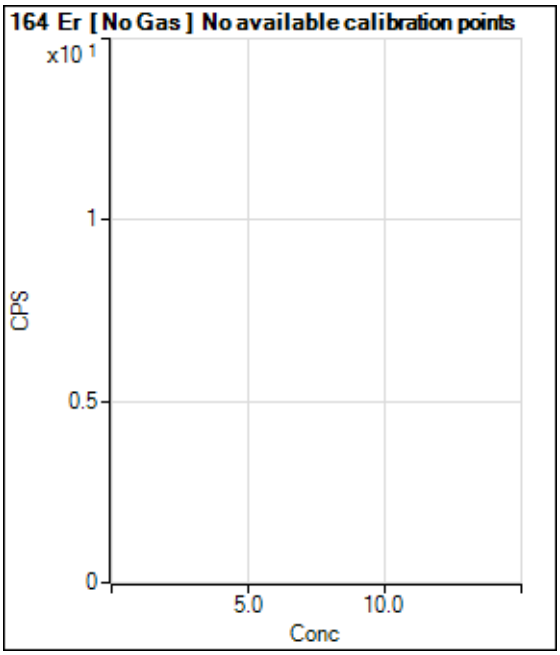


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			133.34		P	6.6
2	☐			113.33		P	19.3
3	☐			116.67		P	8.6
4	☐			124.45		P	16.1
5	☐			168.89		P	7.5
6	☐			188.89		P	13.2
7	☐			241.12		P	7.1
8	☐			656.69		P	3.5

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

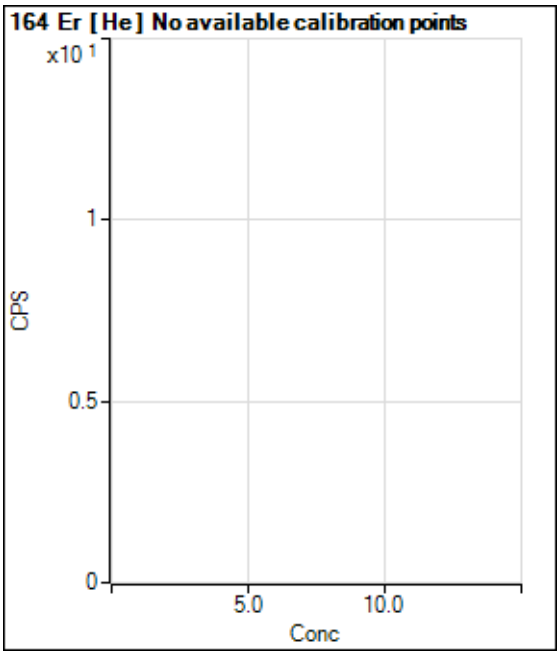


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			23.33		P	42.9
2	☐			25.56		P	32.8
3	☐			41.11		P	12.4
4	☐			42.22		P	44.9
5	☐			36.67		P	55.3
6	☐			64.44		P	25.5
7	☐			77.78		P	24.4
8	☐			286.67		P	12.8

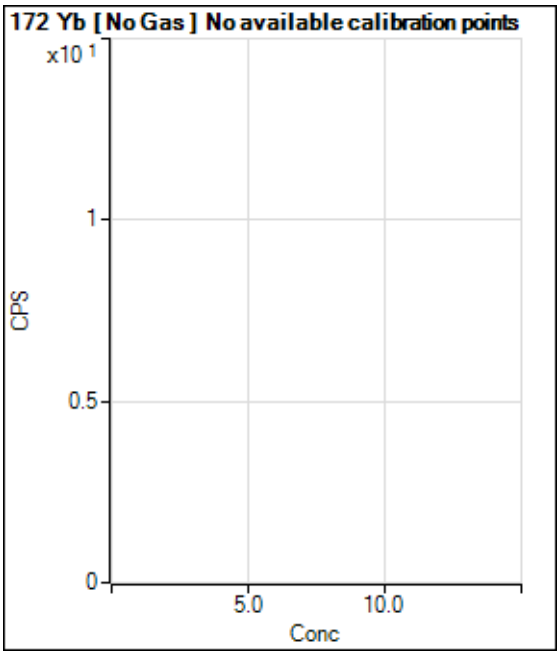


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			104.45		P	32.0
2	☐			93.34		P	12.9
3	☐			114.45		P	11.8
4	☐			123.34		P	21.1
5	☐			145.56		P	10.3
6	☐			194.45		P	9.4
7	☐			253.34		P	11.7
8	☐			740.03		P	0.4

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

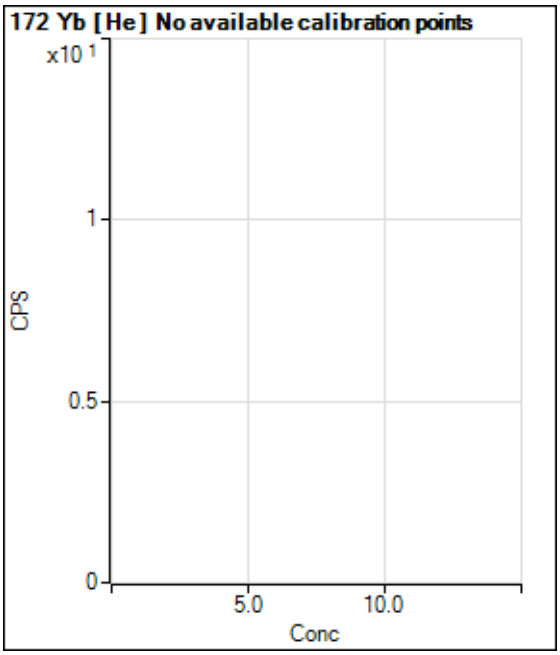


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			30.00		P	44.4
2	☐			24.44		P	20.8
3	☐			33.33		P	17.3
4	☐			44.45		P	8.7
5	☐			58.89		P	11.8
6	☐			54.44		P	31.4
7	☐			82.22		P	26.4
8	☐			261.12		P	4.8

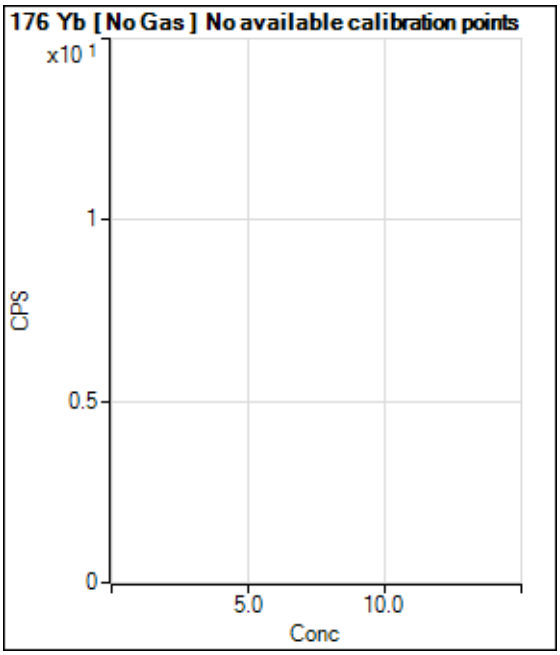


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			98.89		P	36.0
2	☐			93.34		P	12.4
3	☐			115.56		P	26.2
4	☐			120.00		P	16.9
5	☐			168.89		P	17.2
6	☐			194.45		P	29.6
7	☐			260.01		P	20.6
8	☐			882.26		P	3.3

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

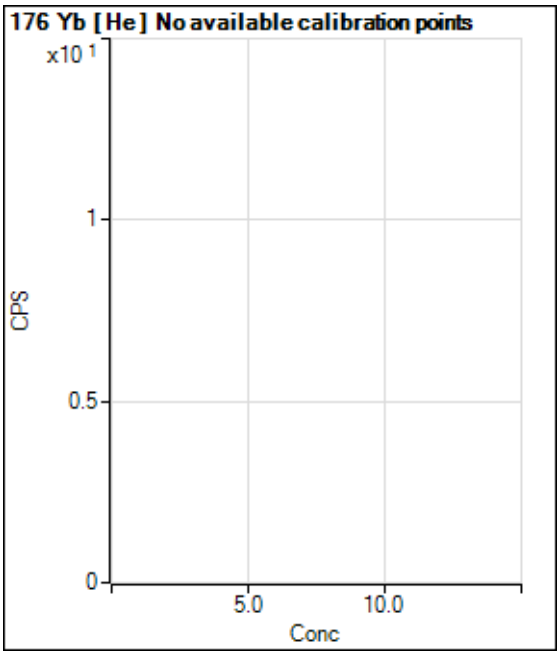


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			46.66		P	44.6
2	☐			40.00		P	22.0
3	☐			48.89		P	10.4
4	☐			64.44		P	42.1
5	☐			56.67		P	23.5
6	☐			81.11		P	12.6
7	☐			100.00		P	23.1
8	☐			374.45		P	8.8

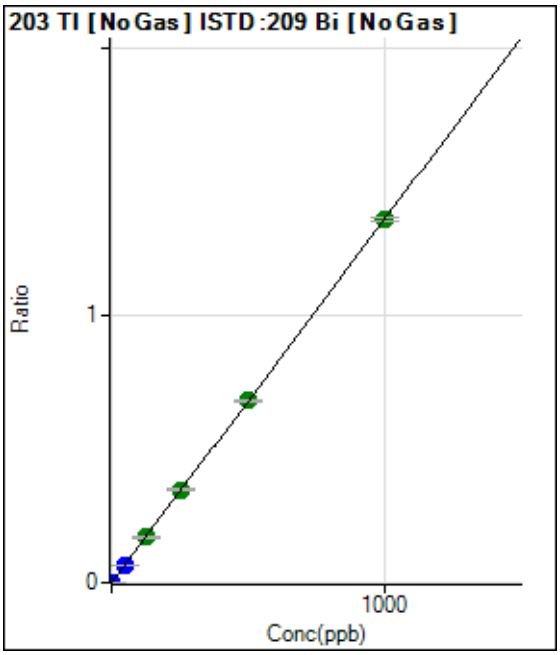


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			2030.18		P	7.9
2	☐			1947.94		P	1.7
3	☐			5612.35		P	0.8
4	☐			10736.69		P	1.7
5	☐			20343.54		P	1.0
6	☐			38094.81		P	0.5
7	☐			74668.41		P	0.8
8	☐			2258.00		P	2.7

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			456.68		P	9.1
2	☐			427.79		P	6.6
3	☐			1837.92		P	4.4
4	☐			3927.29		P	0.9
5	☐			7547.79		P	2.5
6	☐			14558.12		P	0.9
7	☐			28305.94		P	1.6
8	☐			582.24		P	7.1

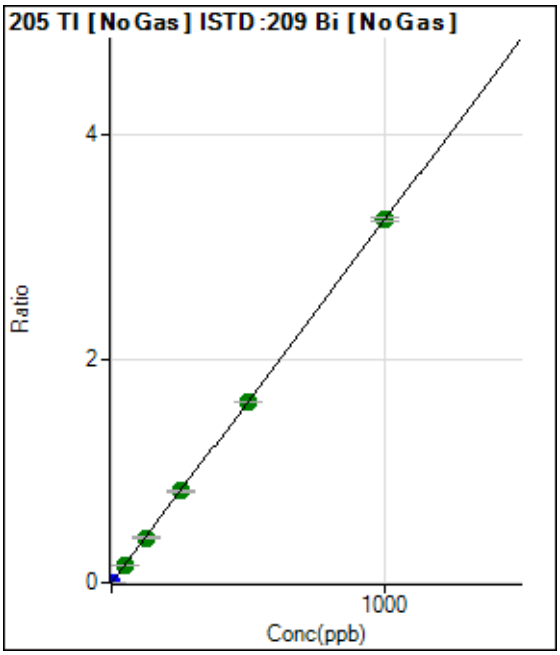


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	231.12	0.0000	P	11.8
2	☐	1.000	1.012	16636.27	0.0014	P	1.4
3	☐	50.000	47.310	770408.67	0.0643	P	0.8
4	☐	125.000	124.819	2011165.61	0.1695	A	1.2
5	☐	250.000	254.907	4105537.86	0.3462	A	1.5
6	☐	500.000	500.647	7822424.54	0.6799	A	0.7
7	☐	1000.000	998.607	15468166.85	1.3560	A	1.2
8	☐			1546.78	0.0002	P	13.8

y = 0.0014 * x + 1.8642E-005
R = 1.0000
DL = 0.00486
BEC = 0.01373

Weight: <None>
Min Conc: 0

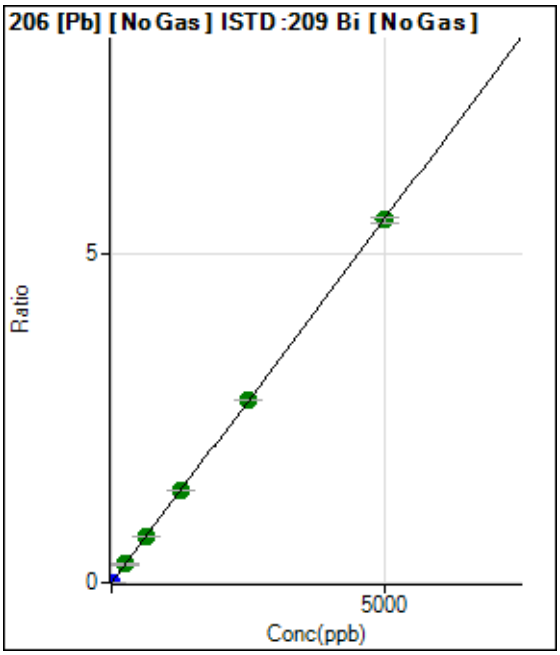
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	496.68	0.0000	P	5.5
2	☐	1.000	1.042	40767.14	0.0034	P	1.0
3	☐	50.000	49.929	1938746.50	0.1617	A	1.0
4	☐	125.000	124.465	4781900.24	0.4030	A	1.1
5	☐	250.000	253.563	9737737.63	0.8211	A	1.7
6	☐	500.000	497.490	18533900.84	1.6109	A	0.5
7	☐	1000.000	1000.435	36951162.51	3.2394	A	1.0
8	☐			3778.43	0.0004	P	15.6

y = 0.0032 * x + 4.0133E-005
R = 1.0000
DL = 0.00205
BEC = 0.01239

Weight: <None>
Min Conc: 0

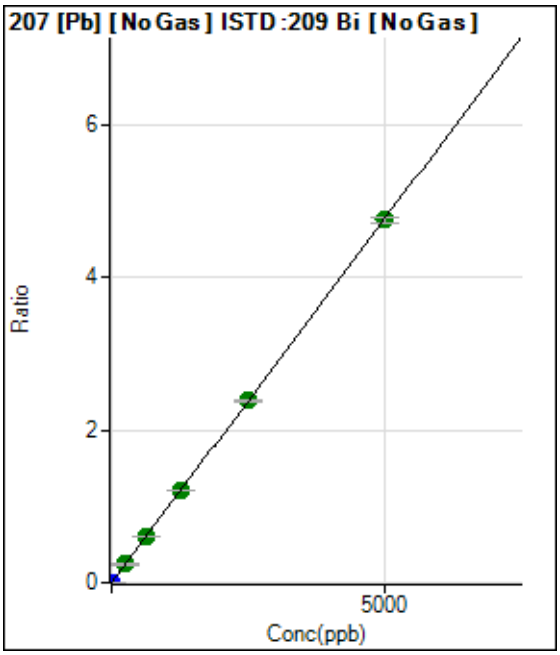


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1345.64	0.0001	P	4.3
2	☐	1.000	1.031	14935.39	0.0013	P	1.6
3	☐	250.000	251.372	3341626.24	0.2787	A	1.9
4	☐	625.000	625.642	8227418.91	0.6935	A	1.2
5	☐	1250.000	1273.710	16742879.75	1.4117	A	1.3
6	☐	2500.000	2508.984	31992105.36	2.7806	A	0.7
7	☐	5000.000	4989.432	63072056.28	5.5295	A	1.7
8	☐			15003.29	0.0015	P	2.4

y = 0.0011 * x + 1.0879E-004
R = 1.0000
DL = 0.0128
BEC = 0.09817

Weight: <None>
Min Conc: 0

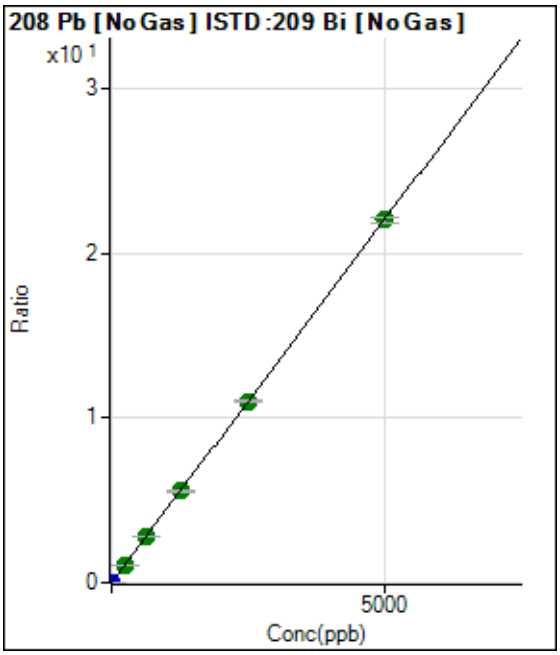
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1125.62	0.0001	P	3.0
2	☐	1.000	1.037	12896.51	0.0011	P	0.5
3	☐	250.000	251.470	2877703.19	0.2400	A	1.7
4	☐	625.000	629.841	7131591.21	0.6011	A	0.6
5	☐	1250.000	1267.582	14347356.18	1.2096	A	1.0
6	☐	2500.000	2511.731	27576696.26	2.3968	A	1.1
7	☐	5000.000	4989.060	54303627.52	4.7607	A	1.5
8	☐			12849.85	0.0013	P	2.4

y = 9.5421E-004 * x + 9.0983E-005
R = 1.0000
DL = 0.008663
BEC = 0.09535

Weight: <None>
Min Conc: 0

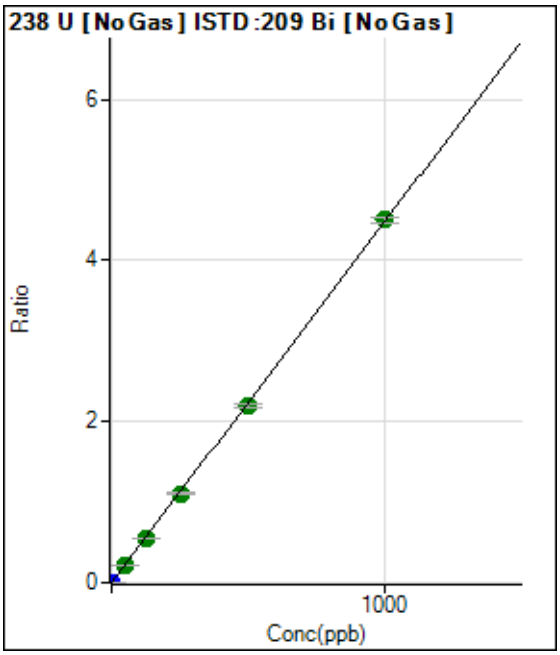


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5126.00	0.0004	P	1.7
2	☐	1.000	1.024	58879.12	0.0049	P	0.3
3	☐	250.000	249.386	13196943.35	1.1008	A	0.9
4	☐	625.000	625.454	32747204.30	2.7601	A	0.4
5	☐	1250.000	1266.237	66269760.96	5.5875	A	1.4
6	☐	2500.000	2497.012	126767311.1	11.0181	A	0.9
7	☐	5000.000	4997.409	251524314.0	22.0507	A	1.4
8	☐			59100.96	0.0061	P	1.6

y = 0.0044 * x + 4.1445E-004
R = 1.0000
DL = 0.004706
BEC = 0.09393

Weight: <None>
Min Conc: 0

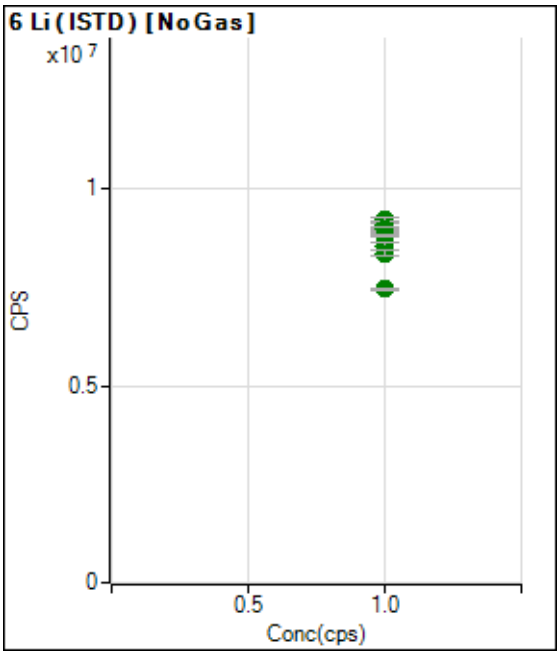
Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	106.67	0.0000	P	21.7
2	☐	1.000	0.966	51769.40	0.0043	P	0.6
3	☐	50.000	47.879	2571501.92	0.2145	A	2.3
4	☐	125.000	121.552	6461255.11	0.5446	A	1.2
5	☐	250.000	247.351	13143452.58	1.1082	A	1.5
6	☐	500.000	491.403	25328530.73	2.2016	A	2.7
7	☐	1000.000	1005.498	51387101.46	4.5049	A	1.4
8	☐			2998.25	0.0003	P	18.3

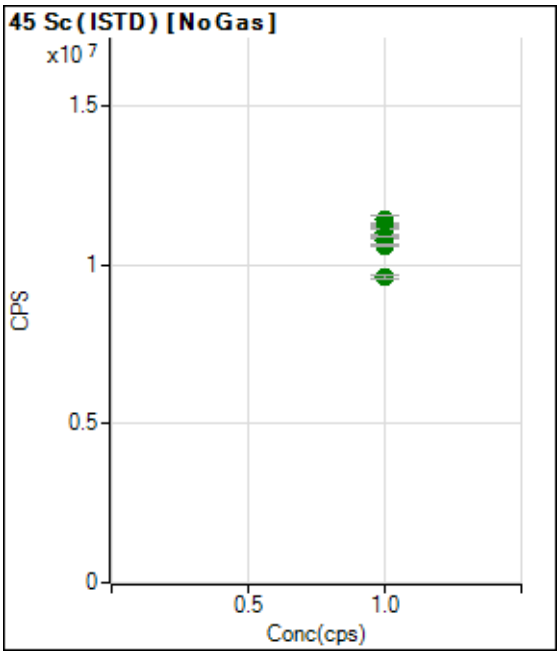
y = 0.0045 * x + 8.6527E-006
R = 0.9999
DL = 0.001256
BEC = 0.001931

Weight: <None>
Min Conc: 0

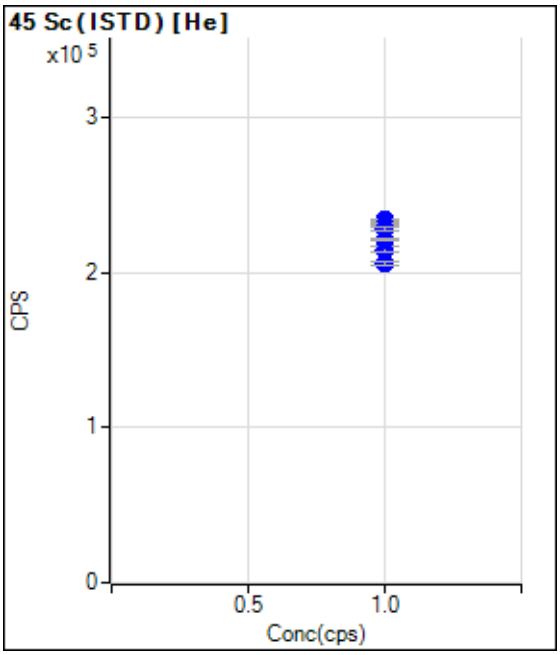


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		9059528.82		A	1.4
2	☐	1.000		9205242.38		A	0.9
3	☐	1.000		8973925.67		A	0.7
4	☐	1.000		8962799.98		A	1.6
5	☐	1.000		8798351.58		A	0.9
6	☐	1.000		8537525.63		A	1.9
7	☐	1.000		8366531.80		A	1.3
8	☐	1.000		7450189.26		A	0.4

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

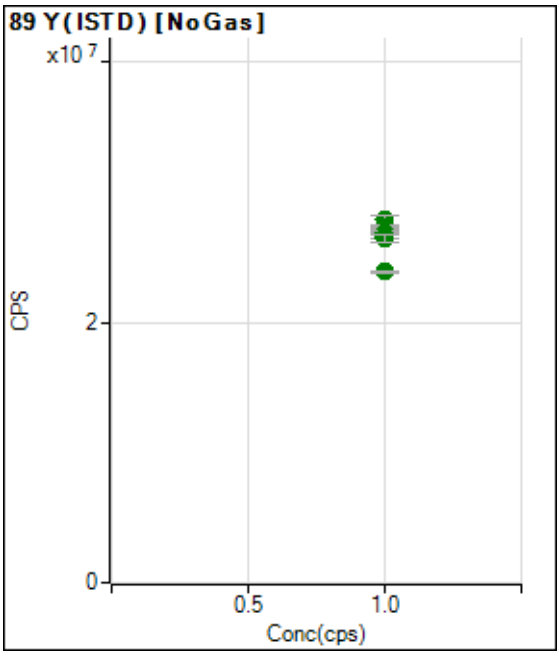


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		11422453.30		A	2.2
2	☐	1.000		11246345.80		A	0.7
3	☐	1.000		11137179.14		A	0.3
4	☐	1.000		11028798.45		A	2.2
5	☐	1.000		10890753.17		A	0.9
6	☐	1.000		10764805.81		A	2.4
7	☐	1.000		10610564.28		A	0.4
8	☐	1.000		9630328.54		A	0.9

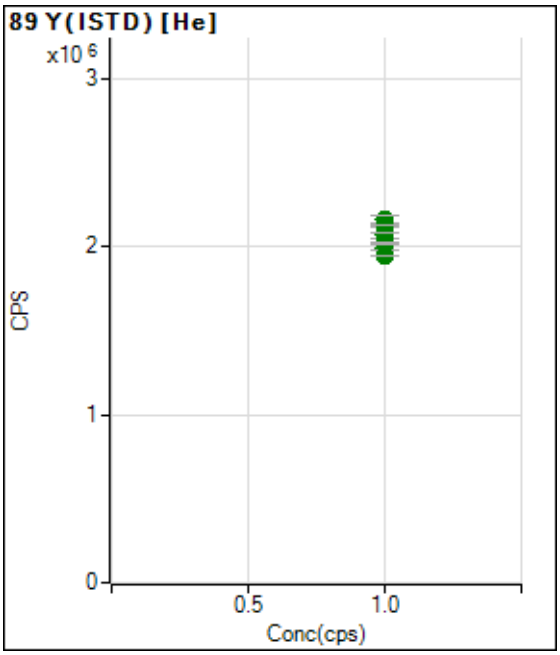


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		234117.65		P	0.8
2	☐	1.000		233687.50		P	0.4
3	☐	1.000		231331.89		P	1.5
4	☐	1.000		230889.13		P	0.6
5	☐	1.000		228563.17		P	0.8
6	☐	1.000		215132.96		P	1.4
7	☐	1.000		221258.57		P	0.5
8	☐	1.000		205683.33		P	1.0

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

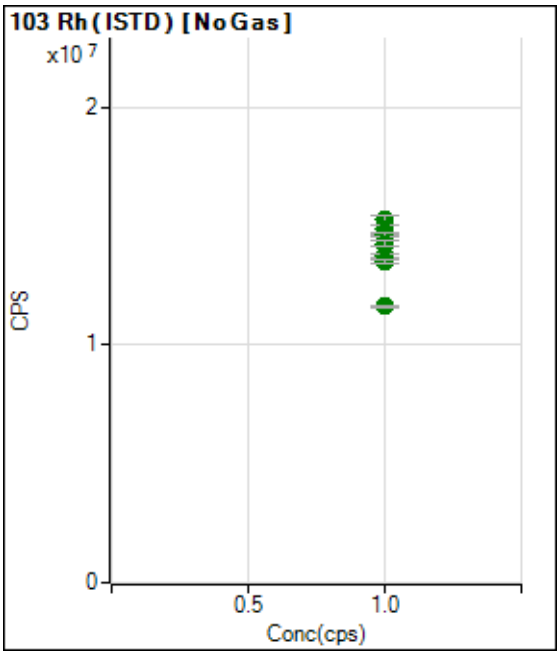


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1		1.000		27877719.58		A	2.4
2		1.000		27345740.98		A	1.1
3		1.000		27011582.10		A	1.0
4		1.000		27409621.54		A	0.9
5		1.000		26912505.43		A	0.9
6		1.000		26648388.22		A	1.0
7		1.000		26440432.66		A	1.8
8		1.000		23880634.09		A	0.7

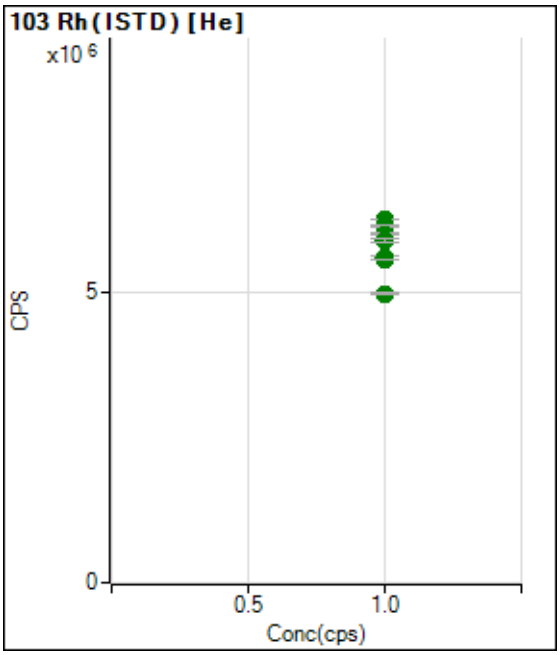


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1		1.000		2161282.02		A	2.1
2		1.000		2128321.86		A	0.3
3		1.000		2126151.27		A	0.8
4		1.000		2126856.65		A	0.1
5		1.000		2072050.42		A	1.6
6		1.000		1995577.23		A	1.6
7		1.000		2024856.64		A	0.8
8		1.000		1951034.92		A	0.2

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

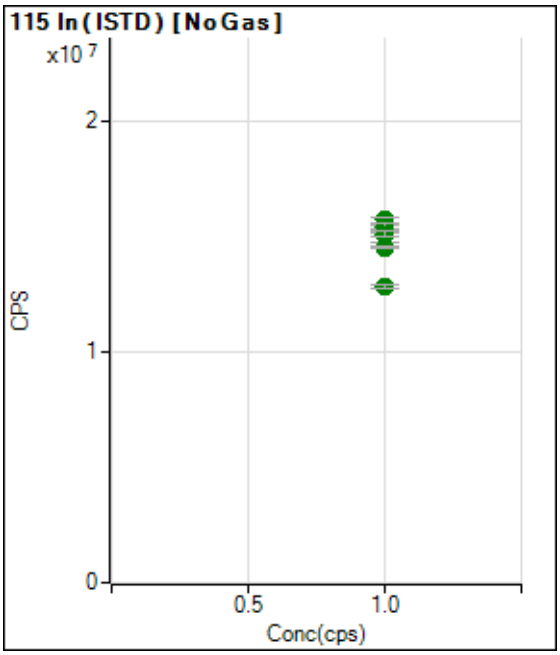


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		15250511.02		A	2.9
2	☐	1.000		14872047.56		A	1.7
3	☐	1.000		14690517.42		A	0.5
4	☐	1.000		14643182.84		A	1.3
5	☐	1.000		14264099.09		A	1.4
6	☐	1.000		13769265.07		A	1.0
7	☐	1.000		13485853.27		A	1.0
8	☐	1.000		11623148.58		A	0.6

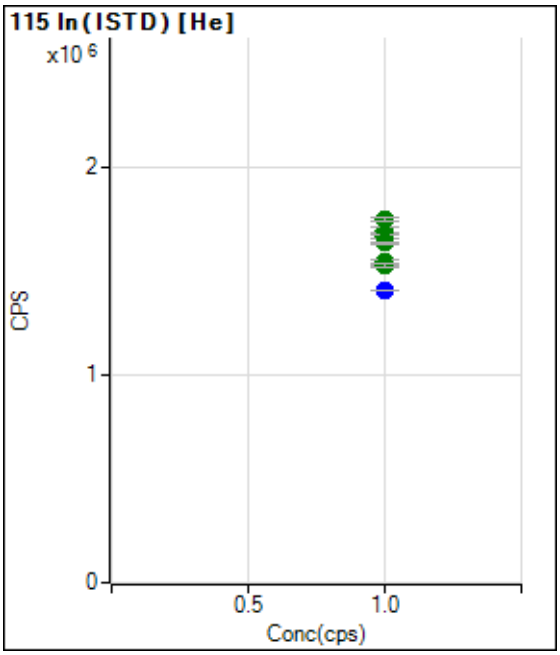


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6231494.49		A	0.1
2	☐	1.000		6129774.01		A	0.3
3	☐	1.000		6120655.12		A	0.3
4	☐	1.000		5985959.29		A	0.5
5	☐	1.000		5877366.10		A	0.7
6	☐	1.000		5583674.78		A	1.1
7	☐	1.000		5559929.22		A	0.1
8	☐	1.000		4965394.06		A	0.8

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

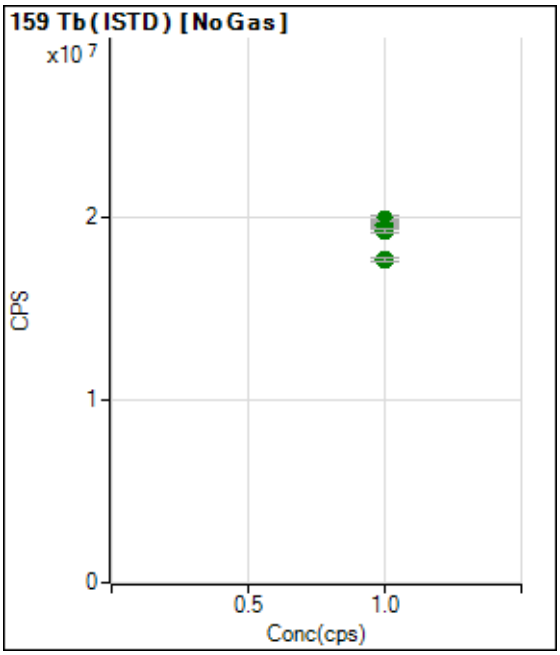


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		15753912.33		A	1.8
2	☐	1.000		15437188.50		A	1.4
3	☐	1.000		15272069.31		A	0.4
4	☐	1.000		15407629.29		A	2.4
5	☐	1.000		15129807.85		A	1.8
6	☐	1.000		14648243.61		A	1.5
7	☐	1.000		14557086.84		A	0.2
8	☐	1.000		12851021.98		A	1.2

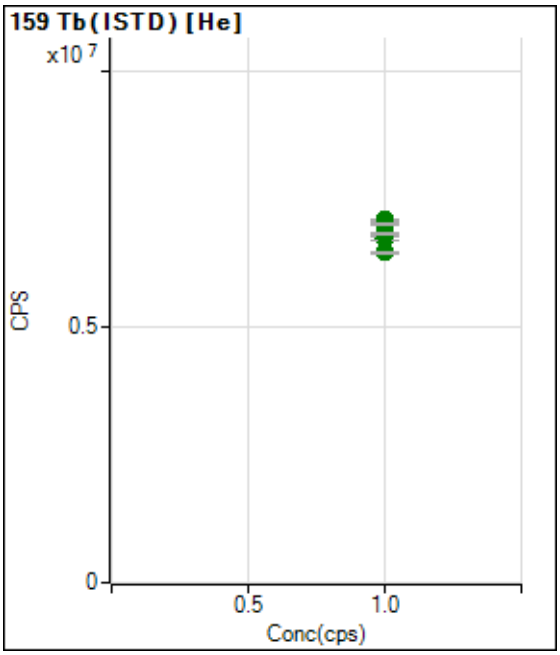


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1743791.67		A	1.0
2	☐	1.000		1693855.78		A	1.5
3	☐	1.000		1676281.43		A	0.9
4	☐	1.000		1662056.01		A	1.1
5	☐	1.000		1634345.82		A	0.6
6	☐	1.000		1540383.68		A	2.1
7	☐	1.000		1523998.87		A	1.2
8	☐	1.000		1404112.15		P	0.2

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

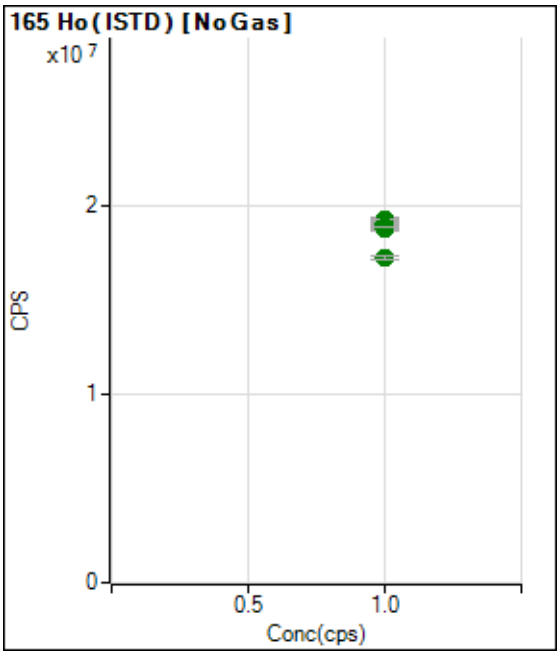


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		19810880.40		A	2.6
2	☐	1.000		19438155.41		A	1.2
3	☐	1.000		19396632.21		A	0.4
4	☐	1.000		19704896.09		A	0.9
5	☐	1.000		19520114.29		A	2.1
6	☐	1.000		19371216.38		A	0.6
7	☐	1.000		19188779.72		A	1.2
8	☐	1.000		17641355.02		A	0.8

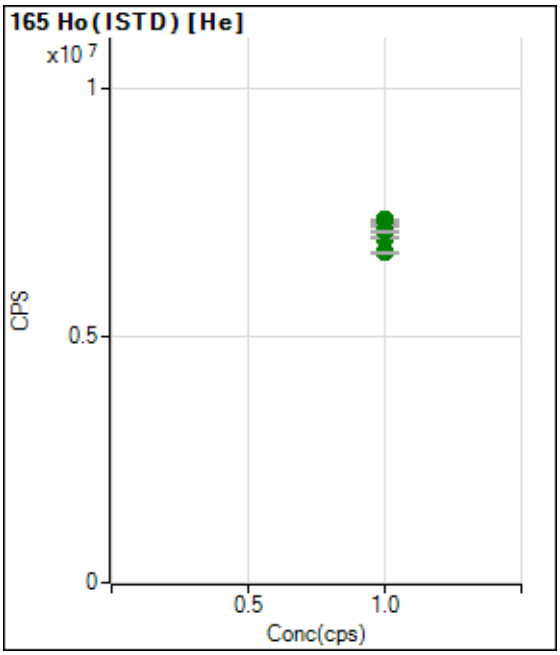


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		7081215.03		A	0.7
2	☐	1.000		7036621.49		A	1.3
3	☐	1.000		7094007.11		A	0.8
4	☐	1.000		7068982.39		A	0.1
5	☐	1.000		6999528.37		A	0.5
6	☐	1.000		6728111.29		A	1.3
7	☐	1.000		6824530.66		A	0.8
8	☐	1.000		6455927.89		A	0.6

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

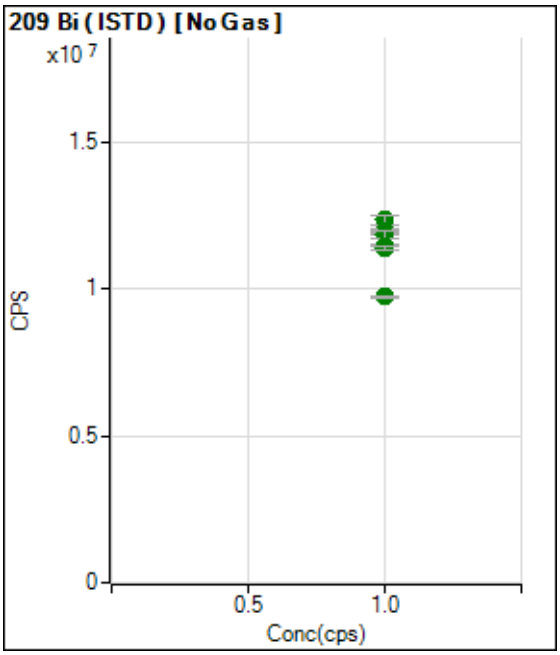


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		19166883.19		A	1.9
2	☐	1.000		18869168.89		A	1.4
3	☐	1.000		18973812.77		A	1.3
4	☐	1.000		19230723.88		A	0.4
5	☐	1.000		19072554.86		A	2.1
6	☐	1.000		18774583.61		A	1.3
7	☐	1.000		18839581.25		A	0.3
8	☐	1.000		17218425.30		A	0.9

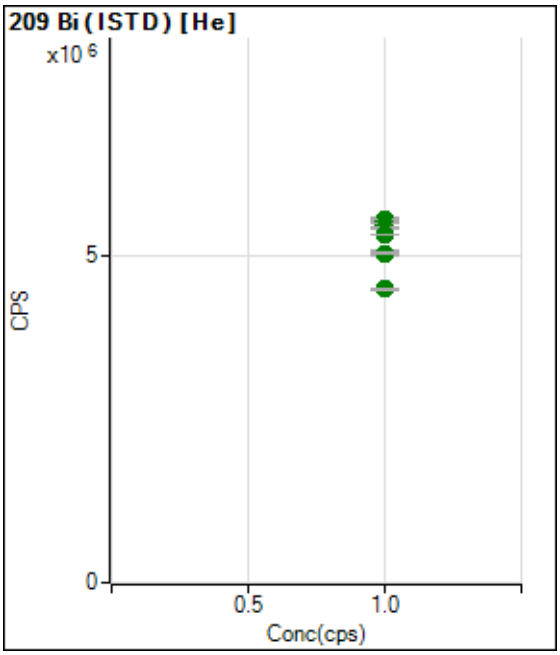


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		7348301.42		A	0.6
2	☐	1.000		7256639.13		A	0.9
3	☐	1.000		7212824.55		A	0.4
4	☐	1.000		7304751.63		A	0.9
5	☐	1.000		7227860.52		A	0.8
6	☐	1.000		6978573.65		A	0.7
7	☐	1.000		7111347.67		A	0.7
8	☐	1.000		6690108.79		A	0.5

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		12371269.26		A	2.7
2	☐	1.000		11939242.04		A	0.3
3	☐	1.000		11989498.16		A	1.4
4	☐	1.000		11864360.52		A	0.1
5	☐	1.000		11862431.91		A	2.0
6	☐	1.000		11505755.80		A	0.7
7	☐	1.000		11407413.72		A	0.7
8	☐	1.000		9749757.35		A	0.7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5535397.97		A	1.1
2	☐	1.000		5511954.43		A	0.8
3	☐	1.000		5453267.00		A	1.1
4	☐	1.000		5408916.45		A	0.8
5	☐	1.000		5309387.04		A	0.4
6	☐	1.000		5029689.06		A	1.5
7	☐	1.000		5030385.48		A	0.4
8	☐	1.000		4483946.43		A	0.8

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8
ClientSampleId :TUNE001

US EPA Tune Check Report

Operator Name	Jaswal
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\P8020625MS.b
Acq. Date-Time	2025-02-06 11:25:46
Report Comment	---
Instrument Name	G8403A SG19224459

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		34446	344463.40			1.541	5.000
24		329372	3293722.22			1.582	5.000
25		44166	441660.86			1.232	5.000
26		50696	506958.33			1.541	5.000
59		189032	1890321.81			1.621	5.000
113		20040	200397.47			1.392	5.000
115		264609	2646091.49			1.679	5.000
206		59696	596964.50			0.762	5.000
207		51823	518233.47			0.791	5.000
208		129800	1298001.86			1.057	5.000
220		1	5.80			7.711	

Mass	RSD% (Flag)
9	
24	
25	
26	
59	
113	
115	
206	
207	
208	
220	

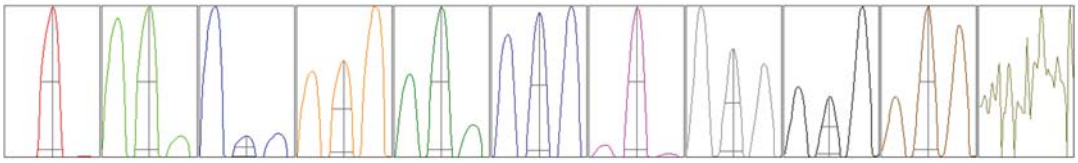
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	35218	34731	34316	33932	34034
24	336234	333683	325165	325178	326601
25	44842	44675	43752	43771	43791
26	51733	51320	50333	50053	50040
59	191821	192378	187892	188083	184987
113	20449	20196	19941	19828	19785
115	270665	268075	261231	261559	261516
206	60320	60016	59432	59223	59491
207	52287	52248	51591	51435	51556
208	131470	130869	128040	129195	129427

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	63938.77	9.05	8.90 - 9.10	
24	577951.13	24.00	23.90 - 24.10	
25	78495.43	25.00	24.90 - 25.10	
26	88999.95	26.00	25.90 - 26.10	
59	358767.91	59.00	58.90 - 59.10	
113	41293.54	113.05	112.90 - 113.10	
115	544936.58	115.05	114.90 - 115.10	
206	123634.18	206.00	205.90 - 206.10	
207	107028.64	206.95	206.90 - 207.10	
208	266325.64	208.00	207.90 - 208.10	
220			-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.58	0.773	0.900	
24	0.61	0.740	0.900	
25	0.61	0.737	0.900	
26	0.61	0.740	0.900	
59	0.55	0.768	0.900	
113	0.50	0.722	0.900	
115	0.50	0.722	0.900	
206	0.48	0.739	0.900	
207	0.49	0.770	0.900	
208	0.49	0.768	0.900	
220				

Integration Time [sec] 0.1
Acquisition Time [sec] 256.770000000002
Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.72 L/min Dilution Gas 0.40 L/min

US EPA Tune Check Report

RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.9
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	-6.0 V	Omega Lens	8.6 V	Deflect	14.2 V
Extract 2	-215.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-105 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	4.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	140 V		

QP Parameters

Mass Gain	103	Axis Gain	0.9961	QP Bias	-4.0 V
Mass Offset	126	Axis Offset	0.03		

Hardware Settings

Torch

Torch H	-0.2 mm	Torch V	1.5 mm		

EM

Discriminator	4.1 mV	Analog HV	2176 V	Pulse HV	1085 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		36659	366593.10			0.418	
89		36943	369433.04			0.588	
205		37881	378808.54			0.361	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	36846	36779	36652	36526	36495
89	37115	36880	37045	37086	36591
205	37736	37845	37929	38091	37803

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.72 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	-6.0 V	Omega Lens	8.6 V	Deflect	3.0 V

US EPA Tune Check Report

Extract 2	-215.0 V	Cell Entrance	-50 V	Plate Bias	-60
Omega Bias	-105 V	Cell Exit	-70 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	4.5 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	200 V		

QP Parameters

Mass Gain	103	Axis Gain	0.9961	QP Bias	-13.0 V
Mass Offset	126	Axis Offset	0.03		

Hardware Settings

Torch

Torch H	-0.2 mm	Torch V	1.5 mm		

EM

Discriminator	4.1 mV	Analog HV	2176 V	Pulse HV	1085 V

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:08:54	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.07	0.18	-0.25	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.00	-0.01	0.01	0.00	N/A	ppb
Barium	135-1	0.01	0.00	-0.01	0.00	N/A	ppb
Barium	137-1	0.00	0.00	0.00	0.00	N/A	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Cadmium	108-1	0.04	0.00	-0.03	0.00	N/A	ppb
Cadmium	106-1	-0.30	0.30	0.00	0.00	N/A	ppb
Cadmium	111-1	-0.03	0.03	0.00	0.00	N/A	ppb
Calcium	43-1	0.56	-0.23	-0.33	0.00	N/A	ppb
Calcium	44-1	-0.20	-0.40	0.59	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	-0.01	0.02	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	-0.01	-0.02	0.03	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	54-2	-0.33	0.00	0.33	0.00	N/A	ppb
Iron	56-2	-0.15	0.02	0.13	0.00	N/A	ppb
Iron	57-2	0.15	-0.33	0.18	0.00	N/A	ppb
Krypton	83-1						cps
Lead	206-1	0.00	0.00	0.00	0.00	N/A	ppb

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:08:54	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.00	0.00	0.00	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	-0.42	-0.01	0.43	0.00	N/A	ppb
Manganese	55-2	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	94-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.01	-0.02	0.00	N/A	ppb
Phosphorus	31-2	-14.77	-25.39	-14.47	-18.21		ppb
Potassium	39-2	-0.87	1.20	-0.34	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.02	0.00	-0.02	0.00	N/A	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.42	0.81	-0.39	0.00	N/A	ppb
Silicon	28-1	-1.04	0.08	0.96	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	-0.05	-0.54	0.59	0.00	N/A	ppb
Strontium	86-1	-0.02	0.00	0.02	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-346.96	-48.82	140.76	-85.01		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.00	0.00	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	-0.01	-0.01	0.02	0.00	N/A	ppb
Titanium	47-1	0.00	0.00	0.00	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:08:54	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	0.00	-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
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:12:13	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.92	20.28	20.82	20.34	2.22	ppb
Antimony	121-1	2.15	2.25	2.16	2.19	2.58	ppb
Arsenic	75-2	1.02	1.26	1.03	1.10	12.23	ppb
Barium	135-1	10.46	11.08	10.57	10.70	3.07	ppb
Barium	137-1	10.64	10.90	10.48	10.67	1.99	ppb
Beryllium	9-1	1.11	1.11	1.10	1.11	0.60	ppb
Bismuth	209-1				97		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Cadmium	108-1	0.97	1.12	1.10	1.06	7.84	ppb
Cadmium	106-1	1.22	1.12	0.63	0.99	32.20	ppb
Cadmium	111-1	1.19	1.13	1.13	1.15	3.16	ppb
Calcium	43-1	524.37	513.21	517.00	518.19	1.09	ppb
Calcium	44-1	511.61	504.67	515.21	510.50	1.05	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.08	2.05	2.16	2.10	2.81	ppb
Cobalt	59-2	1.17	1.16	1.20	1.18	1.92	ppb
Copper	63-2	2.24	2.22	2.26	2.24	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				98		%
Holmium	165-2				99		%
Indium	115-1				98		%
Indium	115-2				97		%
Iron	54-2	53.84	56.24	55.67	55.25	2.27	ppb
Iron	56-2	53.50	53.59	54.13	53.74	0.63	ppb
Iron	57-2	50.15	51.08	54.55	51.93	4.46	ppb
Krypton	83-1						cps
Lead	206-1	1.03	1.01	1.05	1.03	1.75	ppb

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:12:13	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1.04	1.04	1.03	1.04	0.58	ppb
Lead	208-1	1.02	1.02	1.03	1.02	0.34	ppb
Lithium	6-1				102		%
Magnesium	24-2	534.01	533.77	534.54	534.11	0.07	ppb
Manganese	55-2	0.98	1.08	1.13	1.06	7.14	ppb
Molybdenum	94-1	6.18	6.14	6.29	6.20	1.26	ppb
Molybdenum	95-1	5.19	5.30	5.20	5.23	1.09	ppb
Molybdenum	96-1	5.21	5.28	5.28	5.25	0.79	ppb
Molybdenum	97-1	5.17	5.43	5.34	5.32	2.44	ppb
Molybdenum	98-1	5.07	5.25	5.25	5.19	2.08	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.04	1.17	1.09	1.10	6.27	ppb
Phosphorus	31-2	14.81	12.28	27.54	18.21	44.90	ppb
Potassium	39-2	503.84	510.63	511.85	508.77	0.85	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				98		%
Scandium	45-2				100		%
Selenium	82-1	5.30	5.24	5.25	5.27	0.64	ppb
Selenium	77-2	2.10	5.62	5.63	4.45	45.73	ppb
Selenium	78-2	4.49	5.12	2.88	4.16	27.73	ppb
Silicon	28-1	7.89	7.44	8.04	7.79	4.02	ppb
Silver	107-1	1.05	1.09	1.04	1.06	2.35	ppb
Silver	109-1	1.07	1.09	1.04	1.07	2.17	ppb
Sodium	23-2	520.10	523.33	519.84	521.09	0.37	ppb
Strontium	86-1	1.07	1.10	1.03	1.07	3.45	ppb
Strontium	88-1	1.05	1.07	1.07	1.06	1.14	ppb
Sulfur	34-1	132.96	-20.61	142.66	85.01	107.75	ppb
Terbium	159-1				98		%
Terbium	159-2				99		%
Thallium	203-1	1.00	1.01	1.03	1.01	1.45	ppb
Thallium	205-1	1.04	1.05	1.03	1.04	1.06	ppb
Tin	118-1	5.45	5.62	5.32	5.46	2.82	ppb
Titanium	47-1	5.26	5.25	5.42	5.31	1.77	ppb
Uranium	238-1	0.97	0.96	0.96	0.97	0.63	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:12:13	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	5.13	5.20	5.42	5.25	2.83	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				98		%
Zinc	66-2	5.50	5.00	5.60	5.37	5.94	ppb
Zirconium	90-1	1.03	1.05	1.02	1.04	1.59	ppb
Zirconium	91-1	1.00	1.04	1.02	1.02	2.03	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:15:34	DataFile Name :	006CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	973.98	934.28	966.47	958.24	2.20	ppb
Antimony	121-1	49.56	50.53	50.23	50.11	0.99	ppb
Arsenic	75-2	48.54	50.39	49.02	49.32	1.94	ppb
Barium	135-1	242.36	244.79	245.22	244.13	0.63	ppb
Barium	137-1	254.09	252.56	252.26	252.97	0.39	ppb
Beryllium	9-1	50.74	49.87	51.11	50.57	1.25	ppb
Bismuth	209-1				97		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	52.09	51.97	51.87	51.97	0.21	ppb
Cadmium	106-1	51.54	53.28	52.49	52.44	1.66	ppb
Cadmium	111-1	50.09	51.10	50.28	50.49	1.07	ppb
Calcium	43-1	4727.55	4800.98	4831.98	4786.84	1.12	ppb
Calcium	44-1	4722.99	4765.39	4770.10	4752.83	0.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	49.23	48.16	48.62	48.67	1.10	ppb
Cobalt	59-2	50.96	49.31	49.96	50.08	1.66	ppb
Copper	63-2	535.67	514.15	520.84	523.55	2.10	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				99		%
Holmium	165-2				98		%
Indium	115-1				97		%
Indium	115-2				96		%
Iron	54-2	2531.98	2438.72	2462.91	2477.87	1.95	ppb
Iron	56-2	2544.36	2459.29	2483.55	2495.73	1.76	ppb
Iron	57-2	2503.71	2422.56	2434.46	2453.58	1.79	ppb
Krypton	83-1						cps
Lead	206-1	251.23	256.24	246.65	251.37	1.91	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:15:34	DataFile Name :	006CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	256.33	249.39	248.69	251.47	1.68	ppb
Lead	208-1	251.70	247.41	249.05	249.39	0.87	ppb
Lithium	6-1				99		%
Magnesium	24-2	5118.39	4992.29	4993.89	5034.85	1.44	ppb
Manganese	55-2	502.54	484.89	488.35	491.92	1.90	ppb
Molybdenum	94-1	501.48	499.54	521.59	507.54	2.41	ppb
Molybdenum	95-1	498.16	498.26	514.75	503.72	1.90	ppb
Molybdenum	96-1	503.98	501.20	504.32	503.17	0.34	ppb
Molybdenum	97-1	507.32	503.71	513.11	508.04	0.93	ppb
Molybdenum	98-1	503.51	495.15	512.85	503.84	1.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	53.93	51.67	52.83	52.81	2.14	ppb
Phosphorus	31-2	991.63	949.43	1089.59	1010.22	7.12	ppb
Potassium	39-2	2385.33	2352.35	2371.14	2369.61	0.70	ppb
Rhodium	103-1				96		%
Rhodium	103-2				98		%
Scandium	45-1				98		%
Scandium	45-2				99		%
Selenium	82-1	49.71	51.10	52.26	51.02	2.50	ppb
Selenium	77-2	51.55	49.43	55.76	52.25	6.17	ppb
Selenium	78-2	45.54	49.86	47.80	47.73	4.53	ppb
Silicon	28-1	52.62	51.79	52.97	52.46	1.16	ppb
Silver	107-1	50.12	50.92	51.04	50.69	0.98	ppb
Silver	109-1	50.75	51.66	51.91	51.44	1.19	ppb
Sodium	23-2	5030.80	4845.05	4980.09	4951.98	1.94	ppb
Strontium	86-1	48.21	48.46	49.57	48.75	1.49	ppb
Strontium	88-1	50.04	49.82	51.76	50.54	2.10	ppb
Sulfur	34-1	1206.08	1232.25	1458.80	1299.05	10.70	ppb
Terbium	159-1				98		%
Terbium	159-2				100		%
Thallium	203-1	47.53	46.85	47.55	47.31	0.85	ppb
Thallium	205-1	50.36	50.05	49.38	49.93	1.00	ppb
Tin	118-1	49.51	50.02	50.08	49.87	0.63	ppb
Titanium	47-1	496.40	491.35	507.09	498.28	1.61	ppb
Uranium	238-1	48.62	46.64	48.38	47.88	2.26	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:15:34	DataFile Name :	006CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	48.86	47.12	48.01	48.00	1.81	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				98		%
Zinc	66-2	528.57	513.74	513.10	518.47	1.69	ppb
Zirconium	90-1	50.21	49.53	50.97	50.23	1.43	ppb
Zirconium	91-1	47.56	48.02	48.73	48.10	1.23	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:18:35	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2409.43	2398.23	2399.67	2402.44	0.25	ppb
Antimony	121-1	129.23	132.80	129.48	130.50	1.53	ppb
Arsenic	75-2	124.01	124.50	122.25	123.59	0.96	ppb
Barium	135-1	632.82	651.29	633.20	639.10	1.65	ppb
Barium	137-1	626.60	633.98	622.42	627.67	0.93	ppb
Beryllium	9-1	123.31	127.30	126.09	125.56	1.63	ppb
Bismuth	209-1				96		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Cadmium	108-1	123.93	128.70	130.28	127.64	2.59	ppb
Cadmium	106-1	122.66	127.33	129.17	126.39	2.66	ppb
Cadmium	111-1	122.58	126.11	125.30	124.66	1.49	ppb
Calcium	43-1	11699.08	12146.57	12263.92	12036.52	2.48	ppb
Calcium	44-1	11696.71	11981.16	12174.23	11950.70	2.01	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	121.67	121.12	121.71	121.50	0.27	ppb
Cobalt	59-2	124.38	124.43	124.11	124.31	0.14	ppb
Copper	63-2	1296.93	1287.42	1282.16	1288.83	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				100		%
Holmium	165-2				99		%
Indium	115-1				98		%
Indium	115-2				95		%
Iron	54-2	6131.69	6246.15	6170.69	6182.85	0.94	ppb
Iron	56-2	6246.21	6332.27	6289.71	6289.40	0.68	ppb
Iron	57-2	6069.91	6118.08	6135.69	6107.89	0.56	ppb
Krypton	83-1						cps
Lead	206-1	624.65	618.50	633.78	625.64	1.23	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:18:35	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	628.42	627.25	633.85	629.84	0.56	ppb
Lead	208-1	623.74	624.27	628.36	625.45	0.40	ppb
Lithium	6-1				99		%
Magnesium	24-2	12580.02	12695.61	12569.13	12614.92	0.56	ppb
Manganese	55-2	1272.35	1301.35	1268.82	1280.84	1.39	ppb
Molybdenum	94-1	1247.97	1241.65	1256.90	1248.84	0.61	ppb
Molybdenum	95-1	1260.74	1233.78	1238.62	1244.38	1.16	ppb
Molybdenum	96-1	1223.98	1244.72	1259.02	1242.57	1.42	ppb
Molybdenum	97-1	1227.48	1244.93	1280.03	1250.81	2.14	ppb
Molybdenum	98-1	1235.19	1246.17	1260.94	1247.43	1.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	133.14	133.49	133.15	133.26	0.15	ppb
Phosphorus	31-2	2518.33	2507.28	2575.93	2533.85	1.45	ppb
Potassium	39-2	5942.58	5984.48	6038.20	5988.42	0.80	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				97		%
Scandium	45-2				99		%
Selenium	82-1	124.36	128.52	128.59	127.16	1.91	ppb
Selenium	77-2	120.79	128.05	125.66	124.84	2.96	ppb
Selenium	78-2	120.59	131.23	122.17	124.67	4.61	ppb
Silicon	28-1	129.27	131.86	135.06	132.06	2.20	ppb
Silver	107-1	132.01	131.88	129.57	131.15	1.05	ppb
Silver	109-1	130.07	132.15	131.76	131.32	0.84	ppb
Sodium	23-2	12474.67	12298.95	12343.13	12372.25	0.74	ppb
Strontium	86-1	119.49	120.89	122.78	121.05	1.36	ppb
Strontium	88-1	126.51	124.40	126.01	125.64	0.88	ppb
Sulfur	34-1	2499.44	2735.81	3035.45	2756.90	9.74	ppb
Terbium	159-1				99		%
Terbium	159-2				100		%
Thallium	203-1	124.92	123.27	126.26	124.82	1.20	ppb
Thallium	205-1	124.55	123.01	125.83	124.46	1.13	ppb
Tin	118-1	126.27	126.71	127.19	126.72	0.36	ppb
Titanium	47-1	1228.00	1268.84	1258.95	1251.93	1.70	ppb
Uranium	238-1	120.93	123.24	120.48	121.55	1.22	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:18:35	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	120.25	120.86	121.09	120.73	0.36	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				98		%
Zinc	66-2	1301.38	1307.08	1298.10	1302.19	0.35	ppb
Zirconium	90-1	122.82	124.89	128.08	125.27	2.11	ppb
Zirconium	91-1	118.76	119.57	121.73	120.02	1.28	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:21:31	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4792.20	4861.73	4813.75	4822.56	0.74	ppb
Antimony	121-1	271.29	275.14	264.99	270.47	1.89	ppb
Arsenic	75-2	255.72	256.27	250.13	254.04	1.34	ppb
Barium	135-1	1293.44	1297.31	1255.87	1282.21	1.79	ppb
Barium	137-1	1277.26	1279.81	1240.89	1265.99	1.72	ppb
Beryllium	9-1	260.93	259.67	262.15	260.92	0.48	ppb
Bismuth	209-1				96		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	261.60	265.88	254.40	260.63	2.23	ppb
Cadmium	106-1	259.68	263.54	254.64	259.28	1.72	ppb
Cadmium	111-1	252.16	259.18	247.18	252.84	2.38	ppb
Calcium	43-1	25365.68	25171.62	24744.84	25094.05	1.27	ppb
Calcium	44-1	24356.06	24733.18	24002.48	24363.91	1.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	243.31	246.09	244.18	244.52	0.58	ppb
Cobalt	59-2	256.98	258.94	255.72	257.21	0.63	ppb
Copper	63-2	2588.13	2600.60	2562.58	2583.77	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				100		%
Holmium	165-2				98		%
Indium	115-1				96		%
Indium	115-2				94		%
Iron	54-2	12913.68	12715.61	12632.49	12753.92	1.13	ppb
Iron	56-2	12751.20	12843.14	12438.57	12677.64	1.67	ppb
Iron	57-2	12389.23	12402.08	12170.92	12320.74	1.05	ppb
Krypton	83-1						cps
Lead	206-1	1292.23	1267.95	1260.96	1273.71	1.29	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:21:31	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1281.28	1264.60	1256.86	1267.58	0.98	ppb
Lead	208-1	1286.07	1258.29	1254.34	1266.24	1.37	ppb
Lithium	6-1				97		%
Magnesium	24-2	24962.63	25083.85	25227.33	25091.27	0.53	ppb
Manganese	55-2	2536.81	2563.82	2530.07	2543.57	0.70	ppb
Molybdenum	94-1	2588.66	2552.29	2568.88	2569.95	0.71	ppb
Molybdenum	95-1	2556.15	2565.69	2532.96	2551.60	0.66	ppb
Molybdenum	96-1	2545.83	2556.51	2500.72	2534.35	1.17	ppb
Molybdenum	97-1	2557.58	2571.73	2514.90	2548.07	1.16	ppb
Molybdenum	98-1	2572.64	2545.88	2507.37	2541.96	1.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	264.90	268.35	264.69	265.98	0.77	ppb
Phosphorus	31-2	5242.55	5182.96	5330.53	5252.01	1.41	ppb
Potassium	39-2	12526.49	12395.30	12168.27	12363.35	1.47	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				95		%
Scandium	45-2				98		%
Selenium	82-1	262.90	263.28	259.35	261.84	0.83	ppb
Selenium	77-2	259.63	275.79	264.57	266.66	3.11	ppb
Selenium	78-2	259.94	256.78	253.27	256.67	1.30	ppb
Silicon	28-1	264.75	266.89	263.46	265.03	0.65	ppb
Silver	107-1	265.17	265.88	258.72	263.26	1.50	ppb
Silver	109-1	266.26	267.30	259.06	264.21	1.70	ppb
Sodium	23-2	24950.38	24695.33	24864.76	24836.82	0.52	ppb
Strontium	86-1	250.41	248.73	246.87	248.67	0.71	ppb
Strontium	88-1	254.20	256.06	248.76	253.01	1.50	ppb
Sulfur	34-1	5806.24	5508.16	5291.44	5535.28	4.67	ppb
Terbium	159-1				99		%
Terbium	159-2				99		%
Thallium	203-1	259.34	253.27	252.12	254.91	1.52	ppb
Thallium	205-1	256.97	254.90	248.82	253.56	1.67	ppb
Tin	118-1	259.25	257.48	253.75	256.83	1.09	ppb
Titanium	47-1	2516.85	2571.61	2513.77	2534.08	1.28	ppb
Uranium	238-1	251.56	246.23	244.27	247.35	1.53	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:21:31	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	242.31	245.81	242.71	243.61	0.79	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				96		%
Zinc	66-2	2741.85	2708.22	2670.05	2706.71	1.33	ppb
Zirconium	90-1	256.20	253.71	254.66	254.86	0.49	ppb
Zirconium	91-1	253.44	257.34	254.31	255.03	0.80	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:24:18	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9622.10	9827.45	9775.79	9741.78	1.10	ppb
Antimony	121-1	489.26	502.66	501.46	497.79	1.49	ppb
Arsenic	75-2	492.94	508.62	514.48	505.35	2.20	ppb
Barium	135-1	2448.59	2506.42	2501.08	2485.36	1.29	ppb
Barium	137-1	2465.44	2537.05	2479.97	2494.15	1.52	ppb
Beryllium	9-1	483.06	508.61	511.01	500.89	3.09	ppb
Bismuth	209-1				93		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	493.31	497.87	494.24	495.14	0.49	ppb
Cadmium	106-1	491.60	502.73	498.34	497.56	1.13	ppb
Cadmium	111-1	496.65	498.26	503.30	499.40	0.69	ppb
Calcium	43-1	45940.87	49844.17	48313.97	48033.00	4.09	ppb
Calcium	44-1	46009.55	48329.84	47286.58	47208.66	2.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	516.45	516.53	517.34	516.77	0.10	ppb
Cobalt	59-2	509.94	521.31	513.93	515.06	1.12	ppb
Copper	63-2	5105.88	5311.72	5238.50	5218.70	2.00	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				95		%
Indium	115-1				93		%
Indium	115-2				88		%
Iron	54-2	25135.81	26152.09	26292.80	25860.23	2.44	ppb
Iron	56-2	25325.79	25670.95	25390.05	25462.26	0.72	ppb
Iron	57-2	25540.34	26727.68	26168.71	26145.58	2.27	ppb
Krypton	83-1						cps
Lead	206-1	2497.11	2527.83	2502.01	2508.98	0.66	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:24:18	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2487.38	2507.43	2540.38	2511.73	1.07	ppb
Lead	208-1	2471.66	2508.46	2510.92	2497.01	0.88	ppb
Lithium	6-1				94		%
Magnesium	24-2	50513.89	51027.29	50958.77	50833.32	0.55	ppb
Manganese	55-2	5068.29	5110.65	5101.74	5093.56	0.44	ppb
Molybdenum	94-1	4923.12	5022.86	5042.35	4996.11	1.28	ppb
Molybdenum	95-1	4894.92	5025.34	5045.08	4988.45	1.64	ppb
Molybdenum	96-1	4917.60	4970.02	4995.61	4961.08	0.80	ppb
Molybdenum	97-1	4910.83	4946.04	4996.72	4951.19	0.87	ppb
Molybdenum	98-1	4876.63	4968.31	5039.80	4961.58	1.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	483.82	501.79	491.40	492.34	1.83	ppb
Phosphorus	31-2	10108.93	10442.34	10253.89	10268.39	1.63	ppb
Potassium	39-2	24047.69	24761.50	24478.36	24429.18	1.47	ppb
Rhodium	103-1				90		%
Rhodium	103-2				90		%
Scandium	45-1				94		%
Scandium	45-2				92		%
Selenium	82-1	488.93	497.53	508.05	498.17	1.92	ppb
Selenium	77-2	509.59	556.47	525.98	530.68	4.48	ppb
Selenium	78-2	483.33	506.68	514.90	501.64	3.26	ppb
Silicon	28-1	488.61	514.59	518.93	507.37	3.23	ppb
Silver	107-1	491.53	511.34	501.87	501.58	1.98	ppb
Silver	109-1	491.17	509.60	503.48	501.42	1.87	ppb
Sodium	23-2	50549.86	50145.25	50367.30	50354.13	0.40	ppb
Strontium	86-1	491.59	508.39	509.84	503.27	2.02	ppb
Strontium	88-1	491.33	500.96	501.28	497.86	1.14	ppb
Sulfur	34-1	9638.40	10227.23	10332.85	10066.16	3.72	ppb
Terbium	159-1				98		%
Terbium	159-2				95		%
Thallium	203-1	500.91	497.03	504.00	500.65	0.70	ppb
Thallium	205-1	496.08	500.11	496.27	497.49	0.46	ppb
Tin	118-1	486.89	504.39	508.72	500.00	2.31	ppb
Titanium	47-1	4760.30	5097.69	4969.94	4942.64	3.45	ppb
Uranium	238-1	476.01	501.21	496.99	491.40	2.75	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:24:18	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	511.11	521.14	511.12	514.46	1.13	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				96		%
Yttrium	89-2				92		%
Zinc	66-2	5147.83	5284.78	5132.78	5188.46	1.61	ppb
Zirconium	90-1	489.24	500.74	505.44	498.47	1.67	ppb
Zirconium	91-1	492.47	507.65	511.87	504.00	2.02	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:27:05	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19183.29	19534.98	19311.44	19343.24	0.92	ppb
Antimony	121-1	980.16	1007.88	997.84	995.29	1.41	ppb
Arsenic	75-2	992.72	990.29	1006.57	996.53	0.88	ppb
Barium	135-1	4917.27	5057.19	5018.93	4997.79	1.45	ppb
Barium	137-1	4909.90	5119.85	4965.58	4998.44	2.18	ppb
Beryllium	9-1	979.80	998.90	1011.47	996.72	1.60	ppb
Bismuth	209-1				92		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	990.32	1020.24	987.47	999.35	1.82	ppb
Cadmium	106-1	984.44	1012.17	999.21	998.60	1.39	ppb
Cadmium	111-1	985.90	1015.99	996.92	999.60	1.52	ppb
Calcium	43-1	94870.95	96292.48	97614.67	96259.37	1.43	ppb
Calcium	44-1	94627.71	95868.86	96020.19	95505.59	0.80	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	991.57	1011.97	976.92	993.49	1.77	ppb
Cobalt	59-2	986.26	990.07	995.92	990.75	0.49	ppb
Copper	63-2	9756.59	9846.93	9987.51	9863.68	1.18	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				98		%
Holmium	165-2				97		%
Indium	115-1				92		%
Indium	115-2				87		%
Iron	54-2	48530.01	49093.57	49921.48	49181.69	1.42	ppb
Iron	56-2	48163.77	48997.22	48459.94	48540.31	0.87	ppb
Iron	57-2	49986.02	50127.83	48767.66	49627.17	1.51	ppb
Krypton	83-1						cps
Lead	206-1	4902.61	4992.14	5073.54	4989.43	1.71	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:27:05	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	4907.70	5010.97	5048.51	4989.06	1.46	ppb
Lead	208-1	4917.11	5024.93	5050.18	4997.41	1.41	ppb
Lithium	6-1				92		%
Magnesium	24-2	95755.12	98451.45	97180.24	97128.94	1.39	ppb
Manganese	55-2	9930.84	9935.33	9950.46	9938.88	0.10	ppb
Molybdenum	94-1	9701.32	10058.92	10192.44	9984.23	2.54	ppb
Molybdenum	95-1	9790.58	9911.80	10277.80	9993.39	2.54	ppb
Molybdenum	96-1	9877.68	9868.64	10288.60	10011.64	2.40	ppb
Molybdenum	97-1	9906.81	9890.00	10238.84	10011.88	1.96	ppb
Molybdenum	98-1	9833.82	10034.08	10158.65	10008.85	1.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	995.20	994.70	1006.08	998.66	0.64	ppb
Phosphorus	31-2	19578.83	20074.80	19740.56	19798.06	1.28	ppb
Potassium	39-2	47304.12	48389.52	47434.78	47709.47	1.24	ppb
Rhodium	103-1				88		%
Rhodium	103-2				89		%
Scandium	45-1				93		%
Scandium	45-2				95		%
Selenium	82-1	974.66	991.54	1026.69	997.63	2.66	ppb
Selenium	77-2	998.80	979.16	963.26	980.40	1.82	ppb
Selenium	78-2	983.31	999.27	1010.44	997.67	1.37	ppb
Silicon	28-1	996.45	1002.11	976.15	991.57	1.38	ppb
Silver	107-1	988.98	1008.60	987.69	995.09	1.18	ppb
Silver	109-1	998.17	1001.02	985.44	994.88	0.83	ppb
Sodium	23-2	96270.74	97702.03	95567.68	96513.48	1.13	ppb
Strontium	86-1	973.18	1012.06	1012.52	999.25	2.26	ppb
Strontium	88-1	984.24	1000.81	1015.60	1000.21	1.57	ppb
Sulfur	34-1	19700.15	20152.00	19505.95	19786.04	1.68	ppb
Terbium	159-1				97		%
Terbium	159-2				96		%
Thallium	203-1	986.09	1000.83	1008.90	998.61	1.16	ppb
Thallium	205-1	992.26	996.84	1012.20	1000.43	1.04	ppb
Tin	118-1	987.37	1012.65	994.22	998.08	1.31	ppb
Titanium	47-1	10053.21	10018.00	9988.80	10020.00	0.32	ppb
Uranium	238-1	991.99	1020.91	1003.60	1005.50	1.45	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:27:05	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	987.46	992.33	1005.21	995.00	0.92	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				95		%
Yttrium	89-2				94		%
Zinc	66-2	9778.43	9898.42	9863.08	9846.64	0.63	ppb
Zirconium	90-1	967.97	1006.98	1023.57	999.50	2.86	ppb
Zirconium	91-1	973.12	991.74	1027.52	997.46	2.77	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:29:51	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	101096.56	100422.91	98987.24	100168.90	1.08	ppb
Antimony	121-1	0.44	0.41	0.41	0.42	3.80	ppb
Arsenic	75-2	0.71	0.65	0.61	0.65	7.47	ppb
Barium	135-1	2.06	1.89	1.94	1.96	4.58	ppb
Barium	137-1	2.06	2.05	1.95	2.02	3.11	ppb
Beryllium	9-1	0.38	0.30	0.32	0.33	12.59	ppb
Bismuth	209-1				79		%
Bismuth	209-2				81		%
Bromine	81-1						cps
Cadmium	108-1	0.58	0.74	0.58	0.64	14.67	ppb
Cadmium	106-1	-0.16	-0.11	0.10	-0.05		ppb
Cadmium	111-1	0.15	0.15	0.15	0.15	2.43	ppb
Calcium	43-1	497361.39	504066.86	501433.22	500953.82	0.67	ppb
Calcium	44-1	496385.03	508682.43	498610.58	501226.02	1.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.23	2.26	2.13	2.21	3.05	ppb
Cobalt	59-2	2.30	2.17	2.20	2.22	3.14	ppb
Copper	63-2	1.52	1.54	1.55	1.54	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				90		%
Holmium	165-2				91		%
Indium	115-1				82		%
Indium	115-2				81		%
Iron	54-2	253043.33	246073.09	251084.11	250066.84	1.44	ppb
Iron	56-2	252099.46	247844.21	250763.99	250235.89	0.87	ppb
Iron	57-2	251230.01	248118.08	250570.87	249972.99	0.66	ppb
Krypton	83-1						cps
Lead	206-1	1.33	1.26	1.28	1.29	2.62	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:29:51	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1.31	1.30	1.25	1.29	2.63	ppb
Lead	208-1	1.30	1.28	1.26	1.28	1.73	ppb
Lithium	6-1				82		%
Magnesium	24-2	502190.78	498780.20	500478.21	500483.06	0.34	ppb
Manganese	55-2	4.70	4.38	4.64	4.57	3.73	ppb
Molybdenum	94-1	4.80	4.65	4.45	4.63	3.77	ppb
Molybdenum	95-1	1.70	1.53	1.57	1.60	5.55	ppb
Molybdenum	96-1	2.05	1.94	1.86	1.95	4.76	ppb
Molybdenum	97-1	1.59	1.50	1.39	1.49	6.59	ppb
Molybdenum	98-1	1.55	1.42	1.38	1.45	6.08	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.19	3.10	3.13	3.14	1.60	ppb
Phosphorus	31-2	-9.85	-22.32	-9.57	-13.91		ppb
Potassium	39-2	251478.37	250401.70	249709.46	250529.84	0.36	ppb
Rhodium	103-1				76		%
Rhodium	103-2				80		%
Scandium	45-1				84		%
Scandium	45-2				88		%
Selenium	82-1	0.03	0.32	-0.20	0.05	527.14	ppb
Selenium	77-2	0.00	0.76	0.00	0.25	173.21	ppb
Selenium	78-2	-0.78	-0.34	-0.56	-0.56		ppb
Silicon	28-1	23.24	23.43	22.05	22.91	3.25	ppb
Silver	107-1	0.15	0.12	0.12	0.13	14.16	ppb
Silver	109-1	0.15	0.13	0.12	0.13	10.24	ppb
Sodium	23-2	510918.95	498956.66	492145.50	500673.70	1.90	ppb
Strontium	86-1	3.41	3.39	3.37	3.39	0.56	ppb
Strontium	88-1	3.41	3.36	3.39	3.39	0.84	ppb
Sulfur	34-1	-243.04	-465.20	-707.55	-471.93		ppb
Terbium	159-1				89		%
Terbium	159-2				91		%
Thallium	203-1	0.12	0.10	0.09	0.10	15.65	ppb
Thallium	205-1	0.13	0.11	0.09	0.11	17.39	ppb
Tin	118-1	0.21	0.21	0.20	0.21	3.17	ppb
Titanium	47-1	1.47	1.29	1.32	1.36	7.26	ppb
Uranium	238-1	0.08	0.06	0.06	0.07	18.88	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:29:51	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.29	0.26	0.30	0.28	7.01	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				86		%
Yttrium	89-2				90		%
Zinc	66-2	4.94	4.69	4.43	4.69	5.41	ppb
Zirconium	90-1	1.83	1.85	1.81	1.83	0.97	ppb
Zirconium	91-1	1.88	1.87	1.80	1.85	2.27	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P8
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:45:45	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	467.31	482.84	478.93	476.36	1.70	ppb
Antimony	121-1	209.66	208.37	208.68	208.90	0.32	ppb
Arsenic	75-2	207.68	210.59	207.37	208.55	0.85	ppb
Barium	135-1	102.20	103.27	100.59	102.02	1.32	ppb
Barium	137-1	101.87	103.33	102.40	102.53	0.72	ppb
Beryllium	9-1	104.12	103.24	104.98	104.12	0.83	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	132.30	136.81	134.40	134.51	1.68	ppb
Cadmium	106-1	83.13	83.49	83.44	83.35	0.23	ppb
Cadmium	111-1	105.58	106.80	105.71	106.03	0.63	ppb
Calcium	43-1	2167.07	2181.71	2193.21	2180.66	0.60	ppb
Calcium	44-1	2127.71	2140.92	2134.14	2134.26	0.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	101.54	103.37	102.58	102.50	0.90	ppb
Cobalt	59-2	105.03	105.33	106.91	105.75	0.96	ppb
Copper	63-2	105.02	106.70	108.32	106.68	1.55	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				99		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	54-2	2073.47	2102.64	2102.87	2092.99	0.81	ppb
Iron	56-2	2062.65	2018.33	2092.49	2057.82	1.81	ppb
Iron	57-2	1998.57	2010.84	2018.55	2009.32	0.50	ppb
Krypton	83-1						cps
Lead	206-1	208.99	209.75	214.81	211.18	1.50	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P8
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:45:45	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	199.56	204.97	209.00	204.51	2.32	ppb
Lead	208-1	203.05	207.66	209.59	206.76	1.62	ppb
Lithium	6-1				99		%
Magnesium	24-2	1133.24	1124.14	1139.99	1132.46	0.70	ppb
Manganese	55-2	100.37	102.09	102.47	101.64	1.10	ppb
Molybdenum	94-1	3934.92	3945.45	4035.17	3971.84	1.39	ppb
Molybdenum	95-1	4783.68	4878.43	4969.52	4877.21	1.91	ppb
Molybdenum	96-1	4718.18	4806.02	4843.09	4789.10	1.34	ppb
Molybdenum	97-1	4835.95	4902.79	4892.02	4876.92	0.74	ppb
Molybdenum	98-1	4762.33	4840.79	4853.20	4818.77	1.02	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	103.90	105.91	106.27	105.36	1.21	ppb
Phosphorus	31-2	-15.49	-24.94	-14.11	-18.18		ppb
Potassium	39-2	1898.05	1894.13	1929.63	1907.27	1.02	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				98		%
Scandium	45-2				99		%
Selenium	82-1	208.92	211.75	216.01	212.22	1.68	ppb
Selenium	77-2	228.29	222.56	197.98	216.28	7.45	ppb
Selenium	78-2	204.10	204.75	200.50	203.12	1.13	ppb
Silicon	28-1	0.81	1.86	1.88	1.52	40.24	ppb
Silver	107-1	48.85	50.22	49.53	49.53	1.38	ppb
Silver	109-1	49.69	50.66	50.75	50.37	1.17	ppb
Sodium	23-2	2020.67	2068.23	2013.16	2034.02	1.47	ppb
Strontium	86-1	504.00	513.12	515.28	510.80	1.17	ppb
Strontium	88-1	503.96	505.69	510.35	506.67	0.65	ppb
Sulfur	34-1	-655.31	-655.54	-705.71	-672.19		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	207.36	204.76	212.90	208.34	2.00	ppb
Thallium	205-1	204.09	201.72	205.83	203.88	1.01	ppb
Tin	118-1	0.05	0.09	0.05	0.06	37.76	ppb
Titanium	47-1	0.44	0.50	0.49	0.48	6.72	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	9.30	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P8
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:45:45	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	99.29	100.06	98.61	99.32	0.73	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				99		%
Zinc	66-2	198.83	203.74	207.16	203.24	2.06	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	12.81	ppb
Zirconium	91-1	0.10	0.12	0.12	0.11	10.13	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P8
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:50:48	DataFile Name :	013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.26	0.69	0.40	0.45	48.99	ppb
Antimony	121-1	0.03	0.03	0.03	0.03	8.72	ppb
Arsenic	75-2	0.05	-0.02	-0.02	0.01	686.11	ppb
Barium	135-1	0.01	0.00	0.01	0.01	55.58	ppb
Barium	137-1	0.00	0.01	0.01	0.01	29.82	ppb
Beryllium	9-1	0.07	0.06	0.06	0.06	4.51	ppb
Bismuth	209-1				98		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Cadmium	108-1	-0.03	-0.01	0.03	-0.01		ppb
Cadmium	106-1	-1.91	-0.51	-0.93	-1.12		ppb
Cadmium	111-1	-0.14	-0.03	-0.07	-0.08		ppb
Calcium	43-1	-0.99	0.47	0.13	-0.13		ppb
Calcium	44-1	1.09	0.95	1.31	1.12	16.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.15	-0.15	-0.13	-0.14		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	83.21	ppb
Copper	63-2	0.30	0.32	0.31	0.31	3.12	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				99		%
Holmium	165-2				98		%
Indium	115-1				97		%
Indium	115-2				98		%
Iron	54-2	-0.03	0.13	-0.43	-0.11		ppb
Iron	56-2	0.29	0.41	0.37	0.36	17.30	ppb
Iron	57-2	-0.62	-0.04	0.85	0.06	1178.49	ppb
Krypton	83-1						cps
Lead	206-1	0.13	0.12	0.13	0.13	2.59	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P8
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:50:48	DataFile Name :	013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.13	0.14	0.14	0.14	2.20	ppb
Lead	208-1	0.14	0.14	0.14	0.14	1.48	ppb
Lithium	6-1				99		%
Magnesium	24-2	-10.21	-10.19	-10.38	-10.26		ppb
Manganese	55-2	-0.01	0.02	-0.02	0.00		ppb
Molybdenum	94-1	0.10	0.10	0.07	0.09	19.08	ppb
Molybdenum	95-1	0.12	0.10	0.12	0.11	10.65	ppb
Molybdenum	96-1	0.11	0.10	0.10	0.11	4.69	ppb
Molybdenum	97-1	0.11	0.07	0.09	0.09	18.49	ppb
Molybdenum	98-1	0.14	0.08	0.08	0.10	32.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.04	-0.07	-0.01	-0.04		ppb
Phosphorus	31-2	-19.45	-19.28	-22.79	-20.51		ppb
Potassium	39-2	9.72	7.30	9.17	8.73	14.54	ppb
Rhodium	103-1				97		%
Rhodium	103-2				100		%
Scandium	45-1				97		%
Scandium	45-2				98		%
Selenium	82-1	0.12	-0.08	0.06	0.03	299.83	ppb
Selenium	77-2	0.70	0.00	0.00	0.23	173.21	ppb
Selenium	78-2	-0.80	-0.80	-0.39	-0.66		ppb
Silicon	28-1	-0.04	0.70	0.57	0.41	96.49	ppb
Silver	107-1	0.01	0.05	0.01	0.02	83.21	ppb
Silver	109-1	0.01	0.01	0.01	0.01	16.93	ppb
Sodium	23-2	21.79	20.05	21.77	21.20	4.71	ppb
Strontium	86-1	0.01	0.00	0.01	0.01	30.15	ppb
Strontium	88-1	0.01	0.01	0.01	0.01	32.60	ppb
Sulfur	34-1	-457.71	-299.02	-217.94	-324.89		ppb
Terbium	159-1				99		%
Terbium	159-2				99		%
Thallium	203-1	0.01	0.02	0.02	0.02	8.90	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	15.57	ppb
Tin	118-1	-0.02	0.00	-0.01	-0.01		ppb
Titanium	47-1	0.00	-0.01	0.01	0.00	509.50	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P8
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:50:48	DataFile Name :	013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00	82.69	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				98		%
Zinc	66-2	0.05	0.07	0.04	0.05	33.21	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	79.64	ppb
Zirconium	91-1	0.01	0.01	0.01	0.01	23.47	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P8
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:54:42	DataFile Name :	014ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	87946.37	89438.57	88414.68	88599.87	0.86	ppb
Antimony	121-1	1.02	1.11	1.11	1.08	4.99	ppb
Arsenic	75-2	0.25	0.31	0.35	0.30	16.26	ppb
Barium	135-1	1.30	1.43	1.43	1.39	5.51	ppb
Barium	137-1	1.25	1.32	1.40	1.32	5.72	ppb
Beryllium	9-1	0.31	0.34	0.31	0.32	4.33	ppb
Bismuth	209-1				92		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	15.99	17.64	16.11	16.58	5.56	ppb
Cadmium	106-1	-2.85	-2.04	-2.12	-2.34		ppb
Cadmium	111-1	0.42	0.43	0.54	0.46	15.40	ppb
Calcium	43-1	88091.68	93451.76	93941.77	91828.41	3.53	ppb
Calcium	44-1	87758.75	95358.70	94327.91	92481.79	4.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.07	19.46	19.27	19.27	1.01	ppb
Cobalt	59-2	1.15	1.19	1.16	1.17	2.06	ppb
Copper	63-2	7.80	8.00	7.91	7.90	1.25	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				100		%
Holmium	165-2				98		%
Indium	115-1				94		%
Indium	115-2				91		%
Iron	54-2	98052.46	99341.89	96567.18	97987.17	1.42	ppb
Iron	56-2	98563.42	99823.58	98387.66	98924.89	0.79	ppb
Iron	57-2	99252.46	100504.60	98111.92	99289.66	1.21	ppb
Krypton	83-1						cps
Lead	206-1	4.26	4.73	4.69	4.56	5.75	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P8
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:54:42	DataFile Name :	014ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	3.97	4.27	4.26	4.17	4.10	ppb
Lead	208-1	4.03	4.44	4.40	4.29	5.18	ppb
Lithium	6-1				95		%
Magnesium	24-2	92615.56	92290.17	91234.65	92046.79	0.78	ppb
Manganese	55-2	7.47	7.43	7.51	7.47	0.54	ppb
Molybdenum	94-1	1482.56	1588.05	1570.35	1546.98	3.65	ppb
Molybdenum	95-1	1794.26	1926.73	1940.25	1887.08	4.27	ppb
Molybdenum	96-1	1788.63	1880.67	1916.20	1861.83	3.54	ppb
Molybdenum	97-1	1820.47	1913.99	1969.89	1901.45	3.97	ppb
Molybdenum	98-1	1804.55	1925.46	1924.94	1884.98	3.70	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.96	5.13	5.06	5.05	1.70	ppb
Phosphorus	31-2	99888.01	100680.31	100310.48	100292.94	0.40	ppb
Potassium	39-2	94975.87	94943.54	93449.35	94456.25	0.92	ppb
Rhodium	103-1				91		%
Rhodium	103-2				91		%
Scandium	45-1				97		%
Scandium	45-2				96		%
Selenium	82-1	-0.26	-0.11	-0.24	-0.20		ppb
Selenium	77-2	0.71	0.73	0.00	0.48	86.61	ppb
Selenium	78-2	-0.38	0.05	-0.80	-0.38		ppb
Silicon	28-1	25.17	29.46	30.02	28.21	9.41	ppb
Silver	107-1	0.06	0.07	0.06	0.07	7.03	ppb
Silver	109-1	0.06	0.07	0.07	0.07	5.42	ppb
Sodium	23-2	96749.68	97531.92	96183.11	96821.57	0.70	ppb
Strontium	86-1	30.12	32.75	32.94	31.93	4.94	ppb
Strontium	88-1	31.30	34.03	34.28	33.20	4.98	ppb
Sulfur	34-1	88018.42	93023.69	92045.39	91029.17	2.91	ppb
Terbium	159-1				100		%
Terbium	159-2				98		%
Thallium	203-1	0.07	0.08	0.11	0.08	24.70	ppb
Thallium	205-1	0.07	0.09	0.10	0.09	16.00	ppb
Tin	118-1	0.19	0.24	0.22	0.21	11.46	ppb
Titanium	47-1	1888.18	2039.69	2066.10	1997.99	4.81	ppb
Uranium	238-1	0.01	0.01	0.02	0.01	8.36	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P8
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:54:42	DataFile Name :	014ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.16	0.15	0.15	0.16	4.39	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				96		%
Zinc	66-2	11.32	10.86	10.88	11.02	2.37	ppb
Zirconium	90-1	0.03	0.03	0.03	0.03	6.09	ppb
Zirconium	91-1	0.02	0.03	0.03	0.03	17.37	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P8
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:57:49	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	90861.33	90283.38	88398.00	89847.57	1.43	ppb
Antimony	121-1	21.02	21.48	21.63	21.37	1.47	ppb
Arsenic	75-2	21.75	22.13	20.94	21.61	2.79	ppb
Barium	135-1	21.32	21.73	21.91	21.65	1.39	ppb
Barium	137-1	21.25	21.98	21.84	21.69	1.80	ppb
Beryllium	9-1	20.62	21.81	21.52	21.31	2.91	ppb
Bismuth	209-1				90		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	33.83	33.26	33.26	33.45	0.98	ppb
Cadmium	106-1	13.42	13.83	13.38	13.54	1.85	ppb
Cadmium	111-1	19.70	20.02	20.19	19.97	1.25	ppb
Calcium	43-1	97295.48	100218.32	97375.34	98296.38	1.69	ppb
Calcium	44-1	96697.00	98153.01	97114.87	97321.62	0.77	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	39.15	39.78	39.61	39.51	0.83	ppb
Cobalt	59-2	21.26	21.48	21.11	21.28	0.89	ppb
Copper	63-2	28.19	28.52	27.77	28.16	1.35	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				99		%
Holmium	165-2				99		%
Indium	115-1				94		%
Indium	115-2				94		%
Iron	54-2	101126.81	101314.17	99254.75	100565.25	1.13	ppb
Iron	56-2	101949.54	101954.73	98882.26	100928.84	1.76	ppb
Iron	57-2	100776.80	100435.59	100573.25	100595.21	0.17	ppb
Krypton	83-1						cps
Lead	206-1	24.93	25.83	25.15	25.30	1.85	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P8
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:57:49	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	24.33	24.85	24.21	24.46	1.39	ppb
Lead	208-1	24.23	24.96	24.54	24.57	1.50	ppb
Lithium	6-1				93		%
Magnesium	24-2	93817.02	92229.32	90773.97	92273.44	1.65	ppb
Manganese	55-2	27.55	27.45	27.28	27.43	0.49	ppb
Molybdenum	94-1	1639.91	1670.97	1625.09	1645.32	1.42	ppb
Molybdenum	95-1	1998.17	2034.59	1960.54	1997.77	1.85	ppb
Molybdenum	96-1	1952.81	1985.38	1920.36	1952.85	1.66	ppb
Molybdenum	97-1	2016.37	2014.38	1979.61	2003.46	1.03	ppb
Molybdenum	98-1	1988.57	1997.40	1973.47	1986.48	0.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.88	24.90	24.26	24.68	1.48	ppb
Phosphorus	31-2	102725.17	103054.30	101474.46	102417.98	0.81	ppb
Potassium	39-2	98068.32	96128.18	95239.45	96478.65	1.50	ppb
Rhodium	103-1				90		%
Rhodium	103-2				92		%
Scandium	45-1				96		%
Scandium	45-2				98		%
Selenium	82-1	20.32	21.21	20.08	20.54	2.90	ppb
Selenium	77-2	16.11	26.66	19.15	20.64	26.30	ppb
Selenium	78-2	21.99	15.30	19.81	19.03	17.93	ppb
Silicon	28-1	29.67	31.47	30.57	30.57	2.95	ppb
Silver	107-1	18.50	19.04	19.08	18.87	1.72	ppb
Silver	109-1	18.95	19.48	19.21	19.21	1.38	ppb
Sodium	23-2	99052.85	99081.49	97073.01	98402.45	1.17	ppb
Strontium	86-1	33.28	34.14	33.47	33.63	1.35	ppb
Strontium	88-1	34.33	35.69	34.55	34.86	2.11	ppb
Sulfur	34-1	96791.42	97585.44	95879.23	96752.03	0.88	ppb
Terbium	159-1				98		%
Terbium	159-2				98		%
Thallium	203-1	20.54	21.28	20.95	20.92	1.77	ppb
Thallium	205-1	20.65	21.27	21.03	20.98	1.49	ppb
Tin	118-1	0.17	0.15	0.19	0.17	10.22	ppb
Titanium	47-1	2059.76	2151.40	2094.71	2101.96	2.20	ppb
Uranium	238-1	0.02	0.02	0.02	0.02	2.51	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P8
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:57:49	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	19.95	19.94	19.65	19.84	0.86	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				98		%
Zinc	66-2	30.69	31.48	30.76	30.97	1.41	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	8.52	ppb
Zirconium	91-1	0.02	0.03	0.03	0.03	17.94	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P8
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:00:52	DataFile Name :	016CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48684.71	47566.56	48760.86	48337.38	1.38	ppb
Antimony	121-1	487.95	506.55	499.37	497.95	1.88	ppb
Arsenic	75-2	494.26	494.86	494.14	494.42	0.08	ppb
Barium	135-1	2494.21	2579.48	2508.38	2527.36	1.81	ppb
Barium	137-1	2467.54	2517.39	2561.62	2515.52	1.87	ppb
Beryllium	9-1	502.11	526.64	519.81	516.19	2.45	ppb
Bismuth	209-1				87		%
Bismuth	209-2				87		%
Bromine	81-1						cps
Cadmium	108-1	482.69	495.79	492.52	490.33	1.39	ppb
Cadmium	106-1	478.71	490.67	500.17	489.85	2.20	ppb
Cadmium	111-1	483.04	504.07	493.47	493.53	2.13	ppb
Calcium	43-1	234940.28	236153.02	239051.28	236714.86	0.89	ppb
Calcium	44-1	227705.13	235151.37	237615.88	233490.80	2.21	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	509.75	511.27	510.13	510.38	0.16	ppb
Cobalt	59-2	496.60	490.40	493.29	493.43	0.63	ppb
Copper	63-2	4863.77	4724.25	4868.36	4818.79	1.70	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				97		%
Indium	115-1				90		%
Indium	115-2				89		%
Iron	54-2	121141.35	119211.95	121866.25	120739.85	1.14	ppb
Iron	56-2	120540.50	122285.71	121501.39	121442.53	0.72	ppb
Iron	57-2	121437.24	121542.70	121413.88	121464.61	0.06	ppb
Krypton	83-1						cps
Lead	206-1	2563.31	2645.43	2581.51	2596.75	1.66	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P8
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:00:52	DataFile Name :	016CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2554.95	2652.65	2592.83	2600.14	1.89	ppb
Lead	208-1	2531.96	2624.28	2582.37	2579.54	1.79	ppb
Lithium	6-1				89		%
Magnesium	24-2	241105.86	234007.32	235873.87	236995.69	1.55	ppb
Manganese	55-2	5015.49	5044.50	4989.22	5016.40	0.55	ppb
Molybdenum	94-1	5023.53	5211.92	5179.51	5138.32	1.96	ppb
Molybdenum	95-1	5069.41	5160.06	5200.53	5143.34	1.31	ppb
Molybdenum	96-1	5073.57	5060.71	5219.40	5117.90	1.72	ppb
Molybdenum	97-1	5073.85	5076.58	5196.56	5115.66	1.37	ppb
Molybdenum	98-1	5086.56	5122.49	5185.19	5131.41	0.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	463.62	454.63	465.39	461.21	1.25	ppb
Phosphorus	31-2	10104.79	10053.41	10101.84	10086.68	0.29	ppb
Potassium	39-2	119898.19	117690.11	118084.91	118557.74	0.99	ppb
Rhodium	103-1				85		%
Rhodium	103-2				87		%
Scandium	45-1				92		%
Scandium	45-2				96		%
Selenium	82-1	485.73	493.35	499.96	493.01	1.44	ppb
Selenium	77-2	445.49	504.23	500.57	483.43	6.81	ppb
Selenium	78-2	475.04	499.65	500.61	491.77	2.95	ppb
Silicon	28-1	500.22	521.83	528.27	516.78	2.84	ppb
Silver	107-1	479.93	489.67	491.59	487.06	1.28	ppb
Silver	109-1	475.39	500.91	490.47	488.92	2.62	ppb
Sodium	23-2	236252.17	234513.11	232850.32	234538.53	0.73	ppb
Strontium	86-1	512.29	524.44	517.13	517.95	1.18	ppb
Strontium	88-1	504.83	506.20	518.30	509.78	1.45	ppb
Sulfur	34-1	9315.40	9765.95	9773.03	9618.13	2.73	ppb
Terbium	159-1				96		%
Terbium	159-2				97		%
Thallium	203-1	516.99	522.55	513.59	517.71	0.87	ppb
Thallium	205-1	505.66	530.81	529.14	521.87	2.70	ppb
Tin	118-1	500.15	507.17	515.18	507.50	1.48	ppb
Titanium	47-1	5012.58	5049.98	5311.35	5124.64	3.18	ppb
Uranium	238-1	513.56	536.35	524.96	524.96	2.17	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P8
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:00:52	DataFile Name :	016CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	506.69	504.86	512.71	508.09	0.81	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				94		%
Yttrium	89-2				96		%
Zinc	66-2	4818.09	4799.52	4851.23	4822.95	0.54	ppb
Zirconium	90-1	506.62	526.47	517.01	516.70	1.92	ppb
Zirconium	91-1	508.27	523.59	529.89	520.58	2.14	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P8
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:07:19	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.37	0.72	0.50	0.53	33.44	ppb
Antimony	121-1	0.04	0.03	0.03	0.03	3.35	ppb
Arsenic	75-2	-0.02	-0.02	0.00	-0.01		ppb
Barium	135-1	0.00	0.01	0.00	0.00	162.12	ppb
Barium	137-1	0.01	0.01	0.00	0.00	157.64	ppb
Beryllium	9-1	0.09	0.08	0.08	0.08	7.58	ppb
Bismuth	209-1				101		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Cadmium	108-1	-0.04	0.04	0.00	0.00		ppb
Cadmium	106-1	-0.98	-0.73	-0.94	-0.89		ppb
Cadmium	111-1	-0.06	-0.05	-0.07	-0.06		ppb
Calcium	43-1	-4.05	-3.57	-4.15	-3.92		ppb
Calcium	44-1	-2.80	-2.99	-0.96	-2.25		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.18	-0.15	-0.16	-0.16		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	0.04	0.01	0.02	0.02	58.48	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				103		%
Holmium	165-2				103		%
Indium	115-1				103		%
Indium	115-2				101		%
Iron	54-2	1.49	1.08	0.85	1.14	28.39	ppb
Iron	56-2	1.16	1.18	1.14	1.16	2.05	ppb
Iron	57-2	0.86	1.17	-0.18	0.62	114.32	ppb
Krypton	83-1						cps
Lead	206-1	0.16	0.15	0.17	0.16	4.92	ppb

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P8
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:07:19	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.17	0.16	0.17	0.16	3.75	ppb
Lead	208-1	0.17	0.16	0.17	0.17	2.10	ppb
Lithium	6-1				102		%
Magnesium	24-2	-11.42	-11.71	-11.37	-11.50		ppb
Manganese	55-2	0.02	0.00	0.00	0.01	165.56	ppb
Molybdenum	94-1	0.05	0.04	0.05	0.04	10.02	ppb
Molybdenum	95-1	0.05	0.03	0.03	0.04	32.20	ppb
Molybdenum	96-1	0.05	0.04	0.03	0.04	29.38	ppb
Molybdenum	97-1	0.05	0.03	0.03	0.04	36.48	ppb
Molybdenum	98-1	0.05	0.03	0.03	0.03	31.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.07	-0.08	-0.05	-0.07		ppb
Phosphorus	31-2	-26.49	-19.82	-17.80	-21.37		ppb
Potassium	39-2	19.32	16.75	18.48	18.18	7.20	ppb
Rhodium	103-1				102		%
Rhodium	103-2				104		%
Scandium	45-1				101		%
Scandium	45-2				102		%
Selenium	82-1	-0.53	0.18	-0.12	-0.16		ppb
Selenium	77-2	0.00	0.67	0.00	0.22	173.21	ppb
Selenium	78-2	-0.61	-0.42	-0.61	-0.55		ppb
Silicon	28-1	-2.60	-1.03	0.06	-1.19		ppb
Silver	107-1	0.02	0.02	0.02	0.02	11.00	ppb
Silver	109-1	0.02	0.02	0.01	0.02	21.15	ppb
Sodium	23-2	34.98	30.25	31.97	32.40	7.39	ppb
Strontium	86-1	0.00	0.00	0.01	0.00	1760.38	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	8.49	ppb
Sulfur	34-1	-811.46	-489.84	-197.89	-499.73		ppb
Terbium	159-1				102		%
Terbium	159-2				103		%
Thallium	203-1	0.03	0.04	0.04	0.03	11.57	ppb
Thallium	205-1	0.03	0.04	0.03	0.03	5.90	ppb
Tin	118-1	-0.01	0.01	0.00	0.00		ppb
Titanium	47-1	0.05	0.04	0.02	0.04	35.56	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P8
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:07:19	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00	57.70	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				102		%
Zinc	66-2	-0.15	-0.02	-0.11	-0.09		ppb
Zirconium	90-1	0.00	0.00	0.01	0.01	48.33	ppb
Zirconium	91-1	0.01	0.01	0.01	0.01	2.64	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1177-01A	Instrumnet Name :	P8
Client Sample ID :	MH2GW9A	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:10:39	DataFile Name :	019AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12869.41	15272.54	13277.41	13806.46	9.31	ppb
Antimony	121-1	2.33	2.45	2.47	2.42	3.26	ppb
Arsenic	75-2	40.25	44.88	41.36	42.16	5.73	ppb
Barium	135-1	675.35	710.28	714.63	700.09	3.08	ppb
Barium	137-1	671.25	698.79	708.15	692.73	2.77	ppb
Beryllium	9-1	3.77	3.82	3.78	3.79	0.81	ppb
Bismuth	209-1				99		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Cadmium	108-1	17.06	17.97	17.13	17.39	2.92	ppb
Cadmium	106-1	18.30	17.87	18.55	18.24	1.88	ppb
Cadmium	111-1	19.45	19.88	20.39	19.91	2.37	ppb
Calcium	43-1	147297.62	152053.23	151181.48	150177.44	1.69	ppb
Calcium	44-1	148319.07	146931.25	148087.35	147779.22	0.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	57.61	65.09	59.49	60.73	6.41	ppb
Cobalt	59-2	18.39	20.79	18.97	19.38	6.46	ppb
Copper	63-2	381.34	420.03	378.86	393.41	5.87	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				104		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				98		%
Iron	54-2	34560.60	38630.48	35217.26	36136.11	6.05	ppb
Iron	56-2	34445.43	38785.99	35513.31	36248.25	6.24	ppb
Iron	57-2	35289.50	39539.28	35457.60	36762.12	6.55	ppb
Krypton	83-1						cps
Lead	206-1	1493.06	1540.00	1525.08	1519.38	1.58	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1177-01A	Instrumnet Name :	P8
Client Sample ID :	MH2GW9A	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:10:39	DataFile Name :	019AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1446.24	1499.40	1500.74	1482.12	2.10	ppb
Lead	208-1	1464.24	1505.46	1510.66	1493.45	1.70	ppb
Lithium	6-1				101		%
Magnesium	24-2	10872.35	12477.09	11443.04	11597.49	7.01	ppb
Manganese	55-2	5966.92	6653.71	6115.99	6245.54	5.78	ppb
Molybdenum	94-1	8.22	8.81	8.75	8.60	3.78	ppb
Molybdenum	95-1	2.10	2.20	2.17	2.16	2.42	ppb
Molybdenum	96-1	2.68	2.83	2.89	2.80	3.72	ppb
Molybdenum	97-1	2.03	2.18	2.18	2.13	4.01	ppb
Molybdenum	98-1	2.08	2.21	2.16	2.15	3.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	68.27	76.29	69.40	71.32	6.09	ppb
Phosphorus	31-2	2752.10	3217.81	2902.01	2957.31	8.04	ppb
Potassium	39-2	5455.15	6198.58	5617.01	5756.91	6.79	ppb
Rhodium	103-1				97		%
Rhodium	103-2				99		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	82-1	10.93	11.49	11.39	11.27	2.67	ppb
Selenium	77-2	61.71	78.85	67.08	69.22	12.67	ppb
Selenium	78-2	19.94	19.31	20.30	19.85	2.52	ppb
Silicon	28-1	9541.28	9900.01	10039.52	9826.94	2.62	ppb
Silver	107-1	7.48	7.71	7.83	7.67	2.36	ppb
Silver	109-1	7.54	7.85	7.77	7.72	2.09	ppb
Sodium	23-2	554.82	645.24	577.78	592.61	7.93	ppb
Strontium	86-1	534.98	550.88	548.47	544.78	1.57	ppb
Strontium	88-1	530.92	559.15	548.66	546.24	2.61	ppb
Sulfur	34-1	310.79	540.51	625.74	492.35	33.09	ppb
Terbium	159-1				103		%
Terbium	159-2				101		%
Thallium	203-1	0.66	0.72	0.73	0.70	5.03	ppb
Thallium	205-1	0.66	0.72	0.74	0.71	5.59	ppb
Tin	118-1	13.52	13.98	14.07	13.85	2.13	ppb
Titanium	47-1	225.95	230.28	234.65	230.29	1.89	ppb
Uranium	238-1	3.60	3.75	3.72	3.69	2.13	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1177-01A	Instrumnet Name :	P8
Client Sample ID :	MH2GW9A	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:10:39	DataFile Name :	019AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	61.81	70.89	64.80	65.83	7.03	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				110		%
Yttrium	89-2				108		%
Zinc	66-2	4189.27	4706.41	4283.42	4393.04	6.27	ppb
Zirconium	90-1	3.64	3.87	3.84	3.79	3.32	ppb
Zirconium	91-1	3.59	3.80	3.86	3.75	3.88	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1178-01A	Instrumnet Name :	P8
Client Sample ID :	MH2GX0A	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:14:50	DataFile Name :	020AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20651.43	21726.71	21064.62	21147.59	2.56	ppb
Antimony	121-1	3.93	3.91	3.91	3.92	0.36	ppb
Arsenic	75-2	72.97	76.84	73.68	74.50	2.77	ppb
Barium	135-1	2803.59	2793.00	2723.55	2773.38	1.57	ppb
Barium	137-1	2774.51	2831.01	2740.42	2781.98	1.64	ppb
Beryllium	9-1	3.60	3.50	3.41	3.50	2.63	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	71.49	71.24	69.29	70.68	1.70	ppb
Cadmium	106-1	69.72	69.70	70.08	69.83	0.31	ppb
Cadmium	111-1	85.46	85.22	84.81	85.16	0.39	ppb
Calcium	43-1	129836.20	129963.47	126400.52	128733.40	1.57	ppb
Calcium	44-1	126905.97	129455.38	124617.11	126992.82	1.91	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	42.92	45.27	44.08	44.09	2.66	ppb
Cobalt	59-2	36.74	38.96	37.74	37.81	2.95	ppb
Copper	63-2	632.16	676.34	645.78	651.43	3.47	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				102		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				98		%
Iron	54-2	109257.95	114993.12	111229.24	111826.77	2.61	ppb
Iron	56-2	110433.63	115948.43	111872.61	112751.56	2.54	ppb
Iron	57-2	110310.44	116026.20	112502.70	112946.45	2.55	ppb
Krypton	83-1						cps
Lead	206-1	1831.26	1801.17	1791.64	1808.02	1.14	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1178-01A	Instrumnet Name :	P8
Client Sample ID :	MH2GX0A	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:14:50	DataFile Name :	020AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1779.24	1775.80	1750.96	1768.67	0.87	ppb
Lead	208-1	1794.38	1777.80	1765.26	1779.14	0.82	ppb
Lithium	6-1				101		%
Magnesium	24-2	13822.73	14114.23	13550.20	13829.05	2.04	ppb
Manganese	55-2	6861.50	7206.96	6983.61	7017.36	2.50	ppb
Molybdenum	94-1	9.66	9.81	9.32	9.59	2.63	ppb
Molybdenum	95-1	4.81	4.80	4.66	4.76	1.83	ppb
Molybdenum	96-1	5.32	5.29	5.17	5.26	1.55	ppb
Molybdenum	97-1	4.87	4.75	4.68	4.76	2.01	ppb
Molybdenum	98-1	4.69	4.73	4.64	4.69	0.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	493.32	519.59	501.61	504.84	2.66	ppb
Phosphorus	31-2	4038.67	4208.36	3957.88	4068.31	3.14	ppb
Potassium	39-2	7427.09	7810.31	7569.69	7602.37	2.55	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	11.26	11.92	11.74	11.64	2.92	ppb
Selenium	77-2	77.76	74.46	81.61	77.94	4.59	ppb
Selenium	78-2	21.76	19.50	21.44	20.90	5.85	ppb
Silicon	28-1	5516.66	5681.79	5473.82	5557.42	1.98	ppb
Silver	107-1	9.37	9.37	9.37	9.37	0.03	ppb
Silver	109-1	9.41	9.48	9.38	9.43	0.53	ppb
Sodium	23-2	904.52	968.81	926.75	933.36	3.50	ppb
Strontium	86-1	502.67	491.72	494.24	496.21	1.16	ppb
Strontium	88-1	503.15	492.64	478.54	491.44	2.51	ppb
Sulfur	34-1	947.24	1172.74	1108.81	1076.26	10.80	ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	1.14	1.17	1.16	1.16	1.37	ppb
Thallium	205-1	1.14	1.16	1.16	1.15	1.02	ppb
Tin	118-1	30.41	30.33	30.09	30.28	0.54	ppb
Titanium	47-1	332.31	332.81	329.58	331.57	0.52	ppb
Uranium	238-1	4.46	4.42	4.32	4.40	1.65	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1178-01A	Instrumnet Name :	P8
Client Sample ID :	MH2GX0A	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:14:50	DataFile Name :	020AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	107.27	114.57	111.08	110.97	3.29	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				112		%
Yttrium	89-2				111		%
Zinc	66-2	5546.64	6037.57	5651.04	5745.08	4.50	ppb
Zirconium	90-1	3.17	3.19	3.12	3.16	1.10	ppb
Zirconium	91-1	3.20	3.28	3.13	3.20	2.42	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166302BL	Instrumnet Name :	P8
Client Sample ID :	PBS302	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:22:47	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.20	0.12	0.09	0.00	8918.26	ppb
Antimony	121-1	0.00	0.00	0.01	0.00	7.92	ppb
Arsenic	75-2	0.00	0.03	-0.02	0.00	530.04	ppb
Barium	135-1	0.00	0.00	0.01	0.00	182.68	ppb
Barium	137-1	0.01	0.00	0.00	0.00	119.29	ppb
Beryllium	9-1	0.03	0.03	0.03	0.03	4.06	ppb
Bismuth	209-1				95		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Cadmium	108-1	0.04	0.06	0.03	0.04	42.90	ppb
Cadmium	106-1	-1.06	-0.87	-0.59	-0.84		ppb
Cadmium	111-1	-0.08	-0.07	-0.04	-0.06		ppb
Calcium	43-1	-2.52	-3.00	-4.78	-3.43		ppb
Calcium	44-1	0.83	-2.76	-3.28	-1.74		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.20	-0.19	-0.17	-0.18		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	-0.08	-0.06	-0.09	-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				97		%
Holmium	165-2				102		%
Indium	115-1				96		%
Indium	115-2				102		%
Iron	54-2	0.80	0.71	0.57	0.69	16.67	ppb
Iron	56-2	1.07	0.86	0.83	0.92	14.17	ppb
Iron	57-2	0.17	0.49	-0.20	0.15	225.54	ppb
Krypton	83-1						cps
Lead	206-1	0.15	0.13	0.13	0.14	7.21	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166302BL	Instrumnet Name :	P8
Client Sample ID :	PBS302	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:22:47	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.16	0.12	0.14	0.14	15.14	ppb
Lead	208-1	0.16	0.13	0.13	0.14	12.63	ppb
Lithium	6-1				98		%
Magnesium	24-2	-11.80	-11.96	-11.69	-11.82		ppb
Manganese	55-2	0.05	0.05	-0.01	0.03	109.47	ppb
Molybdenum	94-1	0.01	0.00	0.00	0.00	417.06	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	823.13	ppb
Molybdenum	96-1	0.00	0.01	0.00	0.00	255.45	ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00		ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	61.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.05	-0.08	-0.08	-0.07		ppb
Phosphorus	31-2	-30.05	-26.73	-24.85	-27.21		ppb
Potassium	39-2	5.13	8.54	7.62	7.10	24.89	ppb
Rhodium	103-1				96		%
Rhodium	103-2				103		%
Scandium	45-1				97		%
Scandium	45-2				103		%
Selenium	82-1	-0.09	-0.21	-0.43	-0.24		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.23	-0.05	-0.81	-0.36		ppb
Silicon	28-1	4.98	-0.29	-1.22	1.16	288.83	ppb
Silver	107-1	0.01	0.01	0.01	0.01	10.78	ppb
Silver	109-1	0.01	0.01	0.01	0.01	22.50	ppb
Sodium	23-2	11.53	9.69	11.00	10.74	8.82	ppb
Strontium	86-1	0.02	-0.01	0.01	0.01	150.81	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	24.77	ppb
Sulfur	34-1	737.64	-244.45	-406.58	28.87	2144.58	ppb
Terbium	159-1				97		%
Terbium	159-2				103		%
Thallium	203-1	0.03	0.03	0.03	0.03	12.63	ppb
Thallium	205-1	0.03	0.02	0.03	0.03	13.45	ppb
Tin	118-1	0.01	-0.01	-0.01	0.00		ppb
Titanium	47-1	0.03	0.02	0.00	0.02	76.57	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166302BL	Instrumnet Name :	P8
Client Sample ID :	PBS302	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:22:47	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00	25.75	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				104		%
Zinc	66-2	-0.17	-0.08	-0.11	-0.12		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00		ppb
Zirconium	91-1	0.00	0.00	0.00	0.00	58.54	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166302BS	Instrumnet Name :	P8
Client Sample ID :	LCS302	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:26:08	DataFile Name :	023LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	38.13	39.72	37.33	38.39	3.17	ppb
Antimony	121-1	3.89	3.82	3.93	3.88	1.44	ppb
Arsenic	75-2	2.03	1.89	2.07	2.00	4.82	ppb
Barium	135-1	18.90	18.93	19.47	19.10	1.69	ppb
Barium	137-1	19.12	19.10	19.37	19.20	0.79	ppb
Beryllium	9-1	2.05	2.06	2.07	2.06	0.54	ppb
Bismuth	209-1				99		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Cadmium	108-1	1.99	1.62	1.84	1.82	10.36	ppb
Cadmium	106-1	1.81	1.17	2.30	1.76	32.28	ppb
Cadmium	111-1	1.93	1.97	2.13	2.01	5.32	ppb
Calcium	43-1	1131.32	1143.03	1132.18	1135.51	0.57	ppb
Calcium	44-1	1019.05	1037.88	1015.64	1024.19	1.17	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.59	3.41	3.45	3.48	2.76	ppb
Cobalt	59-2	1.91	1.97	1.94	1.94	1.57	ppb
Copper	63-2	4.30	4.17	4.18	4.22	1.76	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				101		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	54-2	381.64	387.77	374.58	381.33	1.73	ppb
Iron	56-2	382.74	378.68	381.54	380.99	0.55	ppb
Iron	57-2	379.53	378.34	375.82	377.90	0.50	ppb
Krypton	83-1						cps
Lead	206-1	1.96	1.90	1.88	1.91	1.94	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166302BS	Instrumnet Name :	P8
Client Sample ID :	LCS302	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:26:08	DataFile Name :	023LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1.97	1.94	1.95	1.96	0.72	ppb
Lead	208-1	1.96	1.91	1.93	1.93	1.16	ppb
Lithium	6-1				101		%
Magnesium	24-2	878.40	889.73	870.06	879.40	1.12	ppb
Manganese	55-2	2.01	1.91	1.91	1.94	2.91	ppb
Molybdenum	94-1	11.07	10.97	11.12	11.05	0.68	ppb
Molybdenum	95-1	9.34	9.25	9.45	9.35	1.10	ppb
Molybdenum	96-1	9.45	9.41	9.45	9.44	0.26	ppb
Molybdenum	97-1	9.38	9.43	9.36	9.39	0.36	ppb
Molybdenum	98-1	9.13	9.20	9.27	9.20	0.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.94	1.84	1.86	1.88	2.87	ppb
Phosphorus	31-2	31.42	28.18	28.40	29.33	6.17	ppb
Potassium	39-2	914.27	907.67	918.20	913.38	0.58	ppb
Rhodium	103-1				100		%
Rhodium	103-2				103		%
Scandium	45-1				101		%
Scandium	45-2				104		%
Selenium	82-1	9.33	8.88	10.91	9.71	10.96	ppb
Selenium	77-2	11.29	12.05	6.03	9.79	33.49	ppb
Selenium	78-2	8.64	9.11	9.70	9.15	5.78	ppb
Silicon	28-1	19.09	18.77	17.10	18.32	5.83	ppb
Silver	107-1	1.97	1.92	2.02	1.97	2.57	ppb
Silver	109-1	1.92	1.97	1.97	1.95	1.53	ppb
Sodium	23-2	939.22	925.84	923.56	929.54	0.91	ppb
Strontium	86-1	428.95	422.15	434.51	428.54	1.44	ppb
Strontium	88-1	418.47	420.64	414.39	417.84	0.76	ppb
Sulfur	34-1	-164.01	-210.27	-167.84	-180.71		ppb
Terbium	159-1				100		%
Terbium	159-2				103		%
Thallium	203-1	1.89	1.82	1.85	1.85	1.97	ppb
Thallium	205-1	1.86	1.85	1.84	1.85	0.59	ppb
Tin	118-1	9.78	9.60	9.87	9.75	1.43	ppb
Titanium	47-1	2.26	2.31	2.28	2.28	1.18	ppb
Uranium	238-1	1.71	1.71	1.71	1.71	0.17	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166302BS	Instrumnet Name :	P8
Client Sample ID :	LCS302	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:26:08	DataFile Name :	023LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	9.42	9.69	9.53	9.55	1.41	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				104		%
Zinc	66-2	9.70	10.09	10.07	9.95	2.22	ppb
Zirconium	90-1	1.80	1.85	1.82	1.82	1.35	ppb
Zirconium	91-1	1.86	1.82	1.88	1.85	1.73	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-01	Instrumnet Name :	P8
Client Sample ID :	YE8C9	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:29:24	DataFile Name :	024AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20365.67	20646.52	20892.87	20635.02	1.28	ppb
Antimony	121-1	1.09	1.16	1.18	1.15	4.07	ppb
Arsenic	75-2	55.35	54.91	56.50	55.59	1.48	ppb
Barium	135-1	226.97	233.20	238.84	233.00	2.55	ppb
Barium	137-1	240.30	243.40	252.62	245.44	2.61	ppb
Beryllium	9-1	1.00	1.04	1.00	1.01	2.32	ppb
Bismuth	209-1				98		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	0.44	0.45	0.51	0.47	8.40	ppb
Cadmium	106-1	-0.17	-0.25	-0.27	-0.23		ppb
Cadmium	111-1	0.15	0.13	0.16	0.14	8.66	ppb
Calcium	43-1	5193.16	5398.00	5289.56	5293.58	1.94	ppb
Calcium	44-1	5267.65	5416.88	5305.39	5329.97	1.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	48.13	49.41	49.59	49.04	1.62	ppb
Cobalt	59-2	27.41	27.59	27.89	27.63	0.88	ppb
Copper	63-2	93.55	95.72	95.45	94.91	1.25	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				102		%
Holmium	165-2				102		%
Indium	115-1				102		%
Indium	115-2				98		%
Iron	54-2	57248.47	58228.01	58399.88	57958.79	1.07	ppb
Iron	56-2	58767.60	58996.65	59047.21	58937.15	0.25	ppb
Iron	57-2	58691.58	60234.31	59052.04	59325.98	1.36	ppb
Krypton	83-1						cps
Lead	206-1	23.92	24.60	24.98	24.50	2.19	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-01	Instrumnet Name :	P8
Client Sample ID :	YE8C9	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:29:24	DataFile Name :	024AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	23.09	23.54	23.86	23.50	1.65	ppb
Lead	208-1	23.35	23.95	24.39	23.90	2.18	ppb
Lithium	6-1				105		%
Magnesium	24-2	10444.06	10354.59	10380.72	10393.12	0.44	ppb
Manganese	55-2	468.00	477.03	477.12	474.05	1.11	ppb
Molybdenum	94-1	2.51	2.61	2.64	2.59	2.56	ppb
Molybdenum	95-1	1.12	1.21	1.26	1.20	5.93	ppb
Molybdenum	96-1	1.34	1.40	1.41	1.38	2.71	ppb
Molybdenum	97-1	1.09	1.27	1.23	1.20	8.01	ppb
Molybdenum	98-1	1.14	1.20	1.20	1.18	2.77	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	70.74	72.97	72.30	72.00	1.59	ppb
Phosphorus	31-2	574.20	615.19	648.03	612.47	6.04	ppb
Potassium	39-2	555.37	555.51	558.66	556.51	0.33	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				107		%
Scandium	45-2				104		%
Selenium	82-1	0.68	0.51	1.22	0.81	45.70	ppb
Selenium	77-2	27.35	25.22	21.06	24.54	13.04	ppb
Selenium	78-2	5.28	4.01	5.11	4.80	14.36	ppb
Silicon	28-1	5545.17	5719.41	5648.48	5637.69	1.55	ppb
Silver	107-1	0.42	0.41	0.37	0.40	7.22	ppb
Silver	109-1	0.43	0.37	0.36	0.39	9.35	ppb
Sodium	23-2	99.92	105.27	106.41	103.87	3.34	ppb
Strontium	86-1	49.05	51.17	51.35	50.52	2.52	ppb
Strontium	88-1	51.45	52.91	52.78	52.38	1.55	ppb
Sulfur	34-1	-1923.57	-2033.27	-2290.65	-2082.50		ppb
Terbium	159-1				102		%
Terbium	159-2				103		%
Thallium	203-1	0.19	0.21	0.22	0.21	5.67	ppb
Thallium	205-1	0.20	0.21	0.22	0.21	6.35	ppb
Tin	118-1	0.31	0.30	0.34	0.32	6.65	ppb
Titanium	47-1	21.40	21.94	21.82	21.72	1.30	ppb
Uranium	238-1	0.43	0.44	0.45	0.44	1.83	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-01	Instrumnet Name :	P8
Client Sample ID :	YE8C9	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:29:24	DataFile Name :	024AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	61.04	61.74	61.97	61.59	0.79	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				107		%
Yttrium	89-2				106		%
Zinc	66-2	128.18	128.73	130.07	128.99	0.75	ppb
Zirconium	90-1	0.84	0.89	0.89	0.87	3.41	ppb
Zirconium	91-1	0.86	0.89	0.91	0.89	2.86	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-02	Instrumnet Name :	P8
Client Sample ID :	YE8C9D	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:32:40	DataFile Name :	025AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20503.46	20756.85	20279.42	20513.24	1.16	ppb
Antimony	121-1	1.05	1.06	1.02	1.04	1.95	ppb
Arsenic	75-2	53.35	54.95	54.23	54.18	1.48	ppb
Barium	135-1	232.61	233.58	231.10	232.43	0.54	ppb
Barium	137-1	239.47	239.73	239.64	239.61	0.05	ppb
Beryllium	9-1	1.03	1.00	1.05	1.03	2.47	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	0.42	0.44	0.38	0.41	6.44	ppb
Cadmium	106-1	-1.50	-0.77	-1.15	-1.14		ppb
Cadmium	111-1	0.05	0.12	0.07	0.08	41.58	ppb
Calcium	43-1	5369.78	5368.52	5405.48	5381.26	0.39	ppb
Calcium	44-1	5310.48	5394.08	5379.48	5361.35	0.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	49.11	49.36	49.10	49.19	0.30	ppb
Cobalt	59-2	27.85	27.80	27.67	27.78	0.34	ppb
Copper	63-2	95.65	95.34	95.14	95.37	0.27	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				98		%
Iron	54-2	57723.70	59120.02	57822.37	58222.03	1.34	ppb
Iron	56-2	58240.06	59052.32	59491.79	58928.06	1.08	ppb
Iron	57-2	59391.88	58729.94	58174.67	58765.49	1.04	ppb
Krypton	83-1						cps
Lead	206-1	24.30	24.54	24.67	24.50	0.78	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-02	Instrumnet Name :	P8
Client Sample ID :	YE8C9D	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:32:40	DataFile Name :	025AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	23.03	23.37	23.25	23.21	0.75	ppb
Lead	208-1	23.53	23.90	23.87	23.77	0.85	ppb
Lithium	6-1				104		%
Magnesium	24-2	10378.03	10320.92	10549.27	10416.07	1.14	ppb
Manganese	55-2	468.89	475.41	468.77	471.02	0.81	ppb
Molybdenum	94-1	2.47	2.52	2.60	2.53	2.52	ppb
Molybdenum	95-1	1.15	1.19	1.23	1.19	3.32	ppb
Molybdenum	96-1	1.38	1.32	1.35	1.35	2.10	ppb
Molybdenum	97-1	1.16	1.15	1.23	1.18	4.00	ppb
Molybdenum	98-1	1.15	1.15	1.17	1.16	0.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	72.56	72.29	72.03	72.29	0.37	ppb
Phosphorus	31-2	563.83	605.29	620.64	596.59	4.93	ppb
Potassium	39-2	549.42	547.10	554.89	550.47	0.73	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				104		%
Scandium	45-2				104		%
Selenium	82-1	1.25	0.73	0.32	0.77	60.46	ppb
Selenium	77-2	19.29	28.01	25.07	24.13	18.40	ppb
Selenium	78-2	6.28	5.20	3.85	5.11	23.81	ppb
Silicon	28-1	5979.77	5852.21	5917.82	5916.60	1.08	ppb
Silver	107-1	0.33	0.35	0.35	0.34	3.22	ppb
Silver	109-1	0.34	0.35	0.35	0.34	0.61	ppb
Sodium	23-2	103.98	106.31	107.36	105.88	1.63	ppb
Strontium	86-1	50.12	50.18	51.43	50.58	1.46	ppb
Strontium	88-1	52.28	52.43	52.29	52.34	0.16	ppb
Sulfur	34-1	-2658.48	-2919.63	-3007.40	-2861.84		ppb
Terbium	159-1				102		%
Terbium	159-2				104		%
Thallium	203-1	0.19	0.19	0.20	0.20	1.09	ppb
Thallium	205-1	0.19	0.20	0.22	0.20	7.82	ppb
Tin	118-1	0.29	0.27	0.27	0.27	3.96	ppb
Titanium	47-1	21.12	21.16	21.12	21.13	0.11	ppb
Uranium	238-1	0.44	0.45	0.44	0.44	1.38	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-02	Instrumnet Name :	P8
Client Sample ID :	YE8C9D	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:32:40	DataFile Name :	025AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	61.47	61.23	61.22	61.30	0.23	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				106		%
Yttrium	89-2				106		%
Zinc	66-2	127.84	128.28	128.61	128.24	0.30	ppb
Zirconium	90-1	0.84	0.87	0.88	0.86	1.95	ppb
Zirconium	91-1	0.92	0.92	0.90	0.91	0.94	ppb

800

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-01LX5	Instrumnet Name :	P8
Client Sample ID :	YE8C9L	Dilution Factor :	5
Date & Time Acquired :	2025-02-06 13:35:53	DataFile Name :	026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4088.29	4056.27	4047.43	4064.00	0.53	ppb
Antimony	121-1	0.23	0.25	0.23	0.24	4.63	ppb
Arsenic	75-2	10.75	11.13	10.77	10.88	1.98	ppb
Barium	135-1	43.99	46.26	46.07	45.44	2.78	ppb
Barium	137-1	44.57	46.84	45.93	45.78	2.50	ppb
Beryllium	9-1	0.21	0.21	0.20	0.21	0.58	ppb
Bismuth	209-1				98		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Cadmium	108-1	0.14	0.12	0.12	0.13	11.17	ppb
Cadmium	106-1	-2.73	-1.89	-1.50	-2.04		ppb
Cadmium	111-1	-0.18	-0.11	-0.08	-0.12		ppb
Calcium	43-1	1059.20	1092.68	1077.76	1076.55	1.56	ppb
Calcium	44-1	1048.35	1071.59	1065.31	1061.75	1.13	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	10.39	10.31	10.38	10.36	0.42	ppb
Cobalt	59-2	5.68	5.63	5.59	5.64	0.79	ppb
Copper	63-2	19.24	19.25	19.32	19.27	0.21	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				102		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	54-2	11981.51	11926.03	12125.16	12010.90	0.86	ppb
Iron	56-2	11839.08	11803.53	11976.29	11872.97	0.77	ppb
Iron	57-2	11519.84	11505.01	11570.92	11531.92	0.30	ppb
Krypton	83-1						cps
Lead	206-1	4.86	5.07	4.93	4.95	2.18	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-01LX5	Instrumnet Name :	P8
Client Sample ID :	YE8C9L	Dilution Factor :	5
Date & Time Acquired :	2025-02-06 13:35:53	DataFile Name :	026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	4.59	4.88	4.71	4.73	3.05	ppb
Lead	208-1	4.66	4.90	4.75	4.77	2.55	ppb
Lithium	6-1				102		%
Magnesium	24-2	2038.04	2053.97	2044.99	2045.67	0.39	ppb
Manganese	55-2	96.08	95.62	96.14	95.95	0.30	ppb
Molybdenum	94-1	0.54	0.57	0.52	0.54	4.73	ppb
Molybdenum	95-1	0.24	0.27	0.26	0.25	5.72	ppb
Molybdenum	96-1	0.26	0.31	0.32	0.30	10.04	ppb
Molybdenum	97-1	0.23	0.27	0.27	0.25	9.88	ppb
Molybdenum	98-1	0.25	0.25	0.26	0.25	3.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	14.36	14.41	14.84	14.54	1.83	ppb
Phosphorus	31-2	118.76	121.12	78.59	106.15	22.52	ppb
Potassium	39-2	112.53	114.39	113.05	113.33	0.85	ppb
Rhodium	103-1				100		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	82-1	-0.08	0.03	-0.17	-0.07		ppb
Selenium	77-2	6.01	4.01	8.72	6.24	37.83	ppb
Selenium	78-2	0.74	-0.03	1.33	0.68	100.87	ppb
Silicon	28-1	1125.10	1165.30	1132.87	1141.09	1.87	ppb
Silver	107-1	0.07	0.08	0.07	0.08	3.72	ppb
Silver	109-1	0.07	0.07	0.07	0.07	1.91	ppb
Sodium	23-2	34.86	33.66	33.41	33.98	2.29	ppb
Strontium	86-1	10.03	10.46	10.13	10.21	2.22	ppb
Strontium	88-1	10.02	10.44	10.13	10.20	2.10	ppb
Sulfur	34-1	-3094.55	-3014.84	-3060.19	-3056.53		ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	0.06	0.06	0.06	0.06	2.83	ppb
Thallium	205-1	0.06	0.06	0.06	0.06	3.68	ppb
Tin	118-1	0.05	0.04	0.03	0.04	22.72	ppb
Titanium	47-1	4.30	4.37	4.36	4.34	0.86	ppb
Uranium	238-1	0.09	0.09	0.08	0.09	3.06	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-01LX5	Instrumnet Name :	P8
Client Sample ID :	YE8C9L	Dilution Factor :	5
Date & Time Acquired :	2025-02-06 13:35:53	DataFile Name :	026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	12.45	12.30	12.40	12.38	0.60	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				103		%
Zinc	66-2	26.25	26.15	25.94	26.11	0.59	ppb
Zirconium	90-1	0.17	0.18	0.18	0.18	2.42	ppb
Zirconium	91-1	0.17	0.19	0.18	0.18	6.15	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-03	Instrumnet Name :	P8
Client Sample ID :	YE8C9S	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:39:12	DataFile Name :	027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20696.93	21067.87	21336.20	21033.67	1.53	ppb
Antimony	121-1	21.03	21.61	21.57	21.40	1.53	ppb
Arsenic	75-2	62.63	60.88	61.32	61.61	1.47	ppb
Barium	135-1	633.21	652.10	652.40	645.90	1.70	ppb
Barium	137-1	627.10	648.20	644.05	639.78	1.75	ppb
Beryllium	9-1	10.59	10.90	10.75	10.75	1.42	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	8.88	9.76	9.73	9.46	5.25	ppb
Cadmium	106-1	6.63	5.83	6.73	6.40	7.71	ppb
Cadmium	111-1	9.81	9.77	10.00	9.86	1.29	ppb
Calcium	43-1	6077.06	6271.07	6324.04	6224.06	2.09	ppb
Calcium	44-1	5839.38	6067.70	6076.28	5994.45	2.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	88.31	88.83	88.88	88.67	0.35	ppb
Cobalt	59-2	127.50	126.49	128.48	127.49	0.78	ppb
Copper	63-2	144.65	145.02	145.12	144.93	0.17	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				101		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	54-2	57808.76	57369.20	58191.12	57789.69	0.71	ppb
Iron	56-2	58352.58	58011.92	58533.84	58299.45	0.45	ppb
Iron	57-2	60308.26	58585.36	59269.14	59387.59	1.46	ppb
Krypton	83-1						cps
Lead	206-1	27.85	28.54	28.63	28.34	1.50	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-03	Instrumnet Name :	P8
Client Sample ID :	YE8C9S	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:39:12	DataFile Name :	027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	26.65	27.08	27.27	27.00	1.17	ppb
Lead	208-1	26.97	27.63	27.76	27.45	1.54	ppb
Lithium	6-1				105		%
Magnesium	24-2	10292.09	10271.42	10247.60	10270.37	0.22	ppb
Manganese	55-2	563.76	568.32	572.21	568.10	0.74	ppb
Molybdenum	94-1	87.11	91.72	91.99	90.27	3.04	ppb
Molybdenum	95-1	103.48	107.72	109.61	106.94	2.93	ppb
Molybdenum	96-1	100.57	105.73	105.08	103.79	2.70	ppb
Molybdenum	97-1	103.99	109.84	108.72	107.51	2.89	ppb
Molybdenum	98-1	108.53	111.81	113.01	111.12	2.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	170.47	170.81	172.37	171.22	0.59	ppb
Phosphorus	31-2	628.93	608.67	611.49	616.36	1.78	ppb
Potassium	39-2	557.31	562.12	573.02	564.15	1.43	ppb
Rhodium	103-1				101		%
Rhodium	103-2				103		%
Scandium	45-1				106		%
Scandium	45-2				105		%
Selenium	82-1	3.85	3.92	4.29	4.02	5.85	ppb
Selenium	77-2	29.37	29.05	20.25	26.22	19.73	ppb
Selenium	78-2	8.85	8.18	7.72	8.25	6.88	ppb
Silicon	28-1	5768.00	6168.46	6067.63	6001.36	3.47	ppb
Silver	107-1	9.80	10.24	10.21	10.08	2.42	ppb
Silver	109-1	9.92	10.29	10.30	10.17	2.17	ppb
Sodium	23-2	100.90	105.48	106.94	104.44	3.02	ppb
Strontium	86-1	1950.63	1992.35	1968.83	1970.60	1.06	ppb
Strontium	88-1	1945.37	1991.38	1988.71	1975.15	1.31	ppb
Sulfur	34-1	-3394.52	-3371.81	-3390.67	-3385.67		ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	9.35	9.63	9.74	9.57	2.06	ppb
Thallium	205-1	9.55	9.66	9.69	9.63	0.76	ppb
Tin	118-1	0.43	0.25	0.25	0.31	33.92	ppb
Titanium	47-1	19.95	20.62	20.89	20.48	2.35	ppb
Uranium	238-1	0.44	0.45	0.45	0.44	1.25	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-03	Instrumnet Name :	P8
Client Sample ID :	YE8C9S	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:39:12	DataFile Name :	027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	157.54	156.39	158.93	157.62	0.81	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				106		%
Yttrium	89-2				106		%
Zinc	66-2	227.00	230.02	226.95	227.99	0.77	ppb
Zirconium	90-1	0.81	0.85	0.87	0.84	3.80	ppb
Zirconium	91-1	0.84	0.87	0.88	0.86	2.47	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166317BL	Instrumnet Name :	P8
Client Sample ID :	PBW317	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:42:22	DataFile Name :	028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	26.59	26.12	27.38	26.70	2.39	ppb
Antimony	121-1	0.01	0.00	0.00	0.00	37.02	ppb
Arsenic	75-2	-0.02	0.00	-0.02	-0.01		ppb
Barium	135-1	0.09	0.07	0.07	0.08	13.21	ppb
Barium	137-1	0.06	0.04	0.05	0.05	19.91	ppb
Beryllium	9-1	0.01	0.02	0.01	0.01	14.37	ppb
Bismuth	209-1				98		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Cadmium	108-1	0.02	-0.01	0.02	0.01	250.42	ppb
Cadmium	106-1	-1.86	-2.07	-1.73	-1.89		ppb
Cadmium	111-1	-0.14	-0.16	-0.13	-0.14		ppb
Calcium	43-1	-3.05	-3.57	-3.33	-3.32		ppb
Calcium	44-1	-1.04	-0.55	-2.13	-1.24		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.15	-0.11	-0.10	-0.12		ppb
Cobalt	59-2	0.01	0.01	0.01	0.01	13.72	ppb
Copper	63-2	0.29	0.31	0.33	0.31	7.14	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				101		%
Holmium	165-2				103		%
Indium	115-1				101		%
Indium	115-2				102		%
Iron	54-2	3.69	3.64	2.85	3.39	13.79	ppb
Iron	56-2	4.02	3.80	2.97	3.60	15.44	ppb
Iron	57-2	3.90	2.91	3.62	3.48	14.60	ppb
Krypton	83-1						cps
Lead	206-1	0.08	0.08	0.07	0.08	11.77	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166317BL	Instrumnet Name :	P8
Client Sample ID :	PBW317	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:42:22	DataFile Name :	028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.08	0.08	0.06	0.07	17.37	ppb
Lead	208-1	0.08	0.08	0.07	0.08	12.15	ppb
Lithium	6-1				101		%
Magnesium	24-2	-9.87	-10.18	-10.10	-10.05		ppb
Manganese	55-2	0.05	0.03	0.03	0.04	30.59	ppb
Molybdenum	94-1	0.01	0.02	0.02	0.02	21.25	ppb
Molybdenum	95-1	0.02	0.02	0.00	0.02	62.88	ppb
Molybdenum	96-1	0.02	0.02	0.02	0.02	4.52	ppb
Molybdenum	97-1	0.02	0.02	0.02	0.02	8.23	ppb
Molybdenum	98-1	0.02	0.01	0.02	0.02	23.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.09	0.07	0.06	85.08	ppb
Phosphorus	31-2	-23.04	-19.27	-19.36	-20.55		ppb
Potassium	39-2	-0.40	1.72	3.90	1.74	123.63	ppb
Rhodium	103-1				101		%
Rhodium	103-2				103		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	-0.29	-0.47	0.10	-0.22		ppb
Selenium	77-2	0.00	0.00	0.66	0.22	173.21	ppb
Selenium	78-2	-0.62	-0.42	1.11	0.03	3765.59	ppb
Silicon	28-1	0.48	1.88	1.06	1.14	61.75	ppb
Silver	107-1	0.02	0.02	0.01	0.02	12.15	ppb
Silver	109-1	0.02	0.02	0.01	0.02	12.00	ppb
Sodium	23-2	22.19	21.84	22.03	22.02	0.81	ppb
Strontium	86-1	0.17	0.17	0.14	0.16	12.30	ppb
Strontium	88-1	0.17	0.17	0.12	0.15	17.07	ppb
Sulfur	34-1	-2979.77	-2791.66	-2897.63	-2889.69		ppb
Terbium	159-1				101		%
Terbium	159-2				104		%
Thallium	203-1	0.03	0.03	0.02	0.03	18.37	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	7.33	ppb
Tin	118-1	0.00	-0.01	-0.01	-0.01		ppb
Titanium	47-1	0.03	0.00	0.02	0.02	74.46	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166317BL	Instrumnet Name :	P8
Client Sample ID :	PBW317	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:42:22	DataFile Name :	028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.01	0.01	0.02	0.01	16.83	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				104		%
Zinc	66-2	0.02	-0.02	0.01	0.00	2177.62	ppb
Zirconium	90-1	0.00	0.01	0.00	0.00	64.16	ppb
Zirconium	91-1	0.00	0.00	0.01	0.00	148.46	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166317BS	Instrumnet Name :	P8
Client Sample ID :	LCS317	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:45:42	DataFile Name :	029LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	43.47	40.11	41.72	41.77	4.03	ppb
Antimony	121-1	4.22	4.33	4.23	4.26	1.38	ppb
Arsenic	75-2	2.26	2.17	1.86	2.10	9.85	ppb
Barium	135-1	20.58	20.92	20.72	20.74	0.82	ppb
Barium	137-1	20.91	21.01	20.64	20.85	0.94	ppb
Beryllium	9-1	2.21	2.27	2.23	2.23	1.46	ppb
Bismuth	209-1				100		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Cadmium	108-1	1.97	2.21	2.36	2.18	9.08	ppb
Cadmium	106-1	-0.01	-0.11	0.24	0.04	452.32	ppb
Cadmium	111-1	2.02	2.05	1.99	2.02	1.51	ppb
Calcium	43-1	986.49	1015.42	1019.26	1007.06	1.78	ppb
Calcium	44-1	975.74	1008.37	1007.26	997.12	1.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.05	3.98	4.11	4.05	1.53	ppb
Cobalt	59-2	2.24	2.25	2.19	2.22	1.44	ppb
Copper	63-2	5.15	5.09	5.06	5.10	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				101		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	54-2	431.06	429.70	422.70	427.82	1.05	ppb
Iron	56-2	430.76	427.50	423.71	427.32	0.83	ppb
Iron	57-2	425.38	432.03	426.86	428.09	0.82	ppb
Krypton	83-1						cps
Lead	206-1	1.98	2.15	2.05	2.06	4.06	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166317BS	Instrumnet Name :	P8
Client Sample ID :	LCS317	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:45:42	DataFile Name :	029LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2.07	2.13	2.05	2.08	2.00	ppb
Lead	208-1	2.01	2.11	2.05	2.06	2.65	ppb
Lithium	6-1				99		%
Magnesium	24-2	975.93	995.80	977.62	983.12	1.12	ppb
Manganese	55-2	2.13	2.22	2.13	2.16	2.39	ppb
Molybdenum	94-1	11.86	12.51	12.52	12.30	3.08	ppb
Molybdenum	95-1	9.98	10.23	10.36	10.19	1.89	ppb
Molybdenum	96-1	10.12	10.43	10.44	10.33	1.73	ppb
Molybdenum	97-1	10.15	10.38	10.56	10.36	1.96	ppb
Molybdenum	98-1	9.81	10.26	10.28	10.11	2.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.45	2.16	2.34	2.32	6.26	ppb
Phosphorus	31-2	42.63	35.31	14.81	30.92	46.64	ppb
Potassium	39-2	1012.62	1007.92	1011.62	1010.72	0.24	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	10.34	10.09	10.43	10.29	1.71	ppb
Selenium	77-2	12.77	9.49	11.64	11.30	14.78	ppb
Selenium	78-2	10.52	8.24	12.32	10.36	19.71	ppb
Silicon	28-1	20.82	21.61	20.92	21.12	2.03	ppb
Silver	107-1	2.10	2.12	2.11	2.11	0.40	ppb
Silver	109-1	2.12	2.13	2.15	2.13	0.72	ppb
Sodium	23-2	1038.67	1040.72	1027.23	1035.54	0.70	ppb
Strontium	86-1	1.99	2.08	2.17	2.08	4.36	ppb
Strontium	88-1	2.02	2.11	2.08	2.07	2.17	ppb
Sulfur	34-1	-2439.18	-2097.95	-2159.84	-2232.32		ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	1.95	2.11	2.04	2.04	3.84	ppb
Thallium	205-1	2.01	2.12	2.04	2.06	2.77	ppb
Tin	118-1	10.65	10.78	10.67	10.70	0.63	ppb
Titanium	47-1	2.47	2.58	2.53	2.53	2.09	ppb
Uranium	238-1	1.85	1.94	1.88	1.89	2.56	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166317BS	Instrumnet Name :	P8
Client Sample ID :	LCS317	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:45:42	DataFile Name :	029LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	10.65	10.84	10.69	10.73	0.93	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				102		%
Zinc	66-2	10.89	10.82	10.97	10.90	0.69	ppb
Zirconium	90-1	1.98	2.03	2.07	2.03	2.08	ppb
Zirconium	91-1	2.00	1.96	2.05	2.01	2.07	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-01	Instrumnet Name :	P8
Client Sample ID :	ME2948	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:48:59	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8.28	8.63	8.89	8.60	3.54	ppb
Antimony	121-1	0.05	0.05	0.05	0.05	5.13	ppb
Arsenic	75-2	0.52	0.51	0.34	0.46	21.44	ppb
Barium	135-1	18.75	19.15	19.39	19.10	1.70	ppb
Barium	137-1	18.83	19.17	19.43	19.14	1.58	ppb
Beryllium	9-1	0.01	0.02	0.01	0.01	45.77	ppb
Bismuth	209-1				90		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	0.06	0.02	0.07	0.05	55.72	ppb
Cadmium	106-1	-1.34	-0.67	-0.42	-0.81		ppb
Cadmium	111-1	-0.10	-0.05	-0.04	-0.06		ppb
Calcium	43-1	354348.43	361669.50	362481.30	359499.74	1.25	ppb
Calcium	44-1	353147.97	355959.52	354341.87	354483.12	0.40	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.03	0.06	0.03	0.04	46.47	ppb
Cobalt	59-2	0.02	0.03	0.02	0.03	10.75	ppb
Copper	63-2	0.03	0.09	0.02	0.05	84.45	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				99		%
Holmium	165-2				97		%
Indium	115-1				95		%
Indium	115-2				92		%
Iron	54-2	812.71	819.89	809.40	814.00	0.66	ppb
Iron	56-2	848.19	853.95	859.68	853.94	0.67	ppb
Iron	57-2	816.92	837.39	821.21	825.17	1.31	ppb
Krypton	83-1						cps
Lead	206-1	0.09	0.09	0.08	0.09	6.82	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-01	Instrumnet Name :	P8
Client Sample ID :	ME2948	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:48:59	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.10	0.09	0.08	0.09	11.77	ppb
Lead	208-1	0.09	0.09	0.08	0.09	9.00	ppb
Lithium	6-1				95		%
Magnesium	24-2	115043.09	114531.06	115602.28	115058.81	0.47	ppb
Manganese	55-2	25.97	26.05	26.38	26.14	0.83	ppb
Molybdenum	94-1	0.46	0.42	0.42	0.43	5.94	ppb
Molybdenum	95-1	0.36	0.33	0.38	0.36	6.11	ppb
Molybdenum	96-1	0.36	0.36	0.36	0.36	0.50	ppb
Molybdenum	97-1	0.35	0.34	0.36	0.35	2.41	ppb
Molybdenum	98-1	0.34	0.33	0.34	0.34	1.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.04	-0.01	0.02	0.02	154.66	ppb
Phosphorus	31-2	-6.76	-23.00	-17.60	-15.79		ppb
Potassium	39-2	3521.81	3508.79	3474.41	3501.67	0.70	ppb
Rhodium	103-1				91		%
Rhodium	103-2				91		%
Scandium	45-1				97		%
Scandium	45-2				95		%
Selenium	82-1	0.04	0.24	0.38	0.22	76.22	ppb
Selenium	77-2	0.73	0.00	0.74	0.49	86.61	ppb
Selenium	78-2	-0.58	-0.38	-0.36	-0.44		ppb
Silicon	28-1	6119.83	6154.77	6192.01	6155.54	0.59	ppb
Silver	107-1	0.03	0.03	0.02	0.03	16.24	ppb
Silver	109-1	0.03	0.02	0.02	0.02	19.36	ppb
Sodium	23-2	31292.79	30865.94	31448.92	31202.55	0.97	ppb
Strontium	86-1	14544.33	14150.17	14563.91	14419.47	1.62	ppb
Strontium	88-1	14276.86	14191.15	14523.86	14330.62	1.21	ppb
Sulfur	34-1	409893.45	414056.37	416436.81	413462.21	0.80	ppb
Terbium	159-1				97		%
Terbium	159-2				98		%
Thallium	203-1	0.02	0.02	0.02	0.02	8.74	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	11.19	ppb
Tin	118-1	0.81	0.80	0.87	0.83	4.21	ppb
Titanium	47-1	0.52	0.58	0.60	0.56	7.20	ppb
Uranium	238-1	0.22	0.22	0.22	0.22	1.92	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-01	Instrumnet Name :	P8
Client Sample ID :	ME2948	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:48:59	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.11	0.11	0.12	0.11	3.66	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				95		%
Zinc	66-2	0.68	0.56	0.66	0.63	10.34	ppb
Zirconium	90-1	0.09	0.08	0.08	0.09	7.98	ppb
Zirconium	91-1	0.11	0.09	0.08	0.09	14.88	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-02	Instrumnet Name :	P8
Client Sample ID :	ME2949	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:52:13	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6.09	5.31	5.64	5.68	6.86	ppb
Antimony	121-1	0.00	0.01	0.00	0.00	31.50	ppb
Arsenic	75-2	0.06	0.04	0.02	0.04	48.27	ppb
Barium	135-1	8.90	9.51	8.96	9.12	3.68	ppb
Barium	137-1	9.08	9.71	9.11	9.30	3.84	ppb
Beryllium	9-1	0.03	0.03	0.03	0.03	7.17	ppb
Bismuth	209-1				88		%
Bismuth	209-2				88		%
Bromine	81-1						cps
Cadmium	108-1	0.00	0.04	0.05	0.03	91.45	ppb
Cadmium	106-1	-0.67	-0.72	-0.74	-0.71		ppb
Cadmium	111-1	-0.05	-0.05	-0.06	-0.05		ppb
Calcium	43-1	361896.98	377576.71	344317.25	361263.65	4.61	ppb
Calcium	44-1	350311.61	372677.51	338664.11	353884.41	4.88	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	0.04	0.06	0.03	93.73	ppb
Cobalt	59-2	0.04	0.04	0.04	0.04	1.68	ppb
Copper	63-2	0.35	0.37	0.38	0.37	4.79	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				95		%
Holmium	165-2				96		%
Indium	115-1				91		%
Indium	115-2				87		%
Iron	54-2	28.89	24.15	25.18	26.08	9.56	ppb
Iron	56-2	25.66	25.91	25.68	25.75	0.53	ppb
Iron	57-2	33.02	35.35	34.01	34.13	3.42	ppb
Krypton	83-1						cps
Lead	206-1	0.09	0.10	0.10	0.10	4.04	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-02	Instrumnet Name :	P8
Client Sample ID :	ME2949	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:52:13	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.09	0.09	0.08	0.09	10.04	ppb
Lead	208-1	0.10	0.09	0.09	0.09	6.00	ppb
Lithium	6-1				93		%
Magnesium	24-2	119712.85	115019.88	116297.92	117010.22	2.07	ppb
Manganese	55-2	8.18	8.00	8.25	8.14	1.59	ppb
Molybdenum	94-1	0.09	0.09	0.09	0.09	1.40	ppb
Molybdenum	95-1	0.03	0.03	0.03	0.03	4.31	ppb
Molybdenum	96-1	0.04	0.03	0.03	0.03	15.78	ppb
Molybdenum	97-1	0.02	0.03	0.02	0.02	20.38	ppb
Molybdenum	98-1	0.02	0.02	0.03	0.02	15.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.10	0.04	0.12	0.09	44.63	ppb
Phosphorus	31-2	-13.71	-12.37	-16.98	-14.35		ppb
Potassium	39-2	4256.97	4195.07	4204.30	4218.78	0.79	ppb
Rhodium	103-1				86		%
Rhodium	103-2				88		%
Scandium	45-1				93		%
Scandium	45-2				93		%
Selenium	82-1	0.13	0.39	0.62	0.38	63.81	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.30	-0.79	-0.13	-0.21		ppb
Silicon	28-1	7218.73	7731.61	6977.14	7309.16	5.27	ppb
Silver	107-1	0.03	0.03	0.02	0.03	4.82	ppb
Silver	109-1	0.02	0.02	0.02	0.02	13.40	ppb
Sodium	23-2	125117.26	121055.88	122603.57	122925.57	1.67	ppb
Strontium	86-1	15475.16	16171.01	15096.05	15580.74	3.50	ppb
Strontium	88-1	15075.34	15842.73	14754.92	15224.33	3.67	ppb
Sulfur	34-1	364364.01	389199.43	348676.51	367413.32	5.56	ppb
Terbium	159-1				94		%
Terbium	159-2				94		%
Thallium	203-1	0.02	0.01	0.01	0.01	43.68	ppb
Thallium	205-1	0.01	0.02	0.01	0.02	18.74	ppb
Tin	118-1	0.42	0.49	0.43	0.45	9.18	ppb
Titanium	47-1	0.91	1.03	0.87	0.94	8.84	ppb
Uranium	238-1	0.02	0.02	0.02	0.02	8.18	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-02	Instrumnet Name :	P8
Client Sample ID :	ME2949	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:52:13	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.04	0.04	0.05	0.04	15.79	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				93		%
Yttrium	89-2				93		%
Zinc	66-2	0.79	0.93	0.79	0.84	9.52	ppb
Zirconium	90-1	0.04	0.04	0.04	0.04	4.73	ppb
Zirconium	91-1	0.04	0.05	0.04	0.04	6.44	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-03	Instrumnet Name :	P8
Client Sample ID :	ME2955	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:55:28	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1502.86	1485.73	1545.38	1511.33	2.03	ppb
Antimony	121-1	0.30	0.29	0.29	0.30	2.30	ppb
Arsenic	75-2	0.25	0.19	0.28	0.24	18.90	ppb
Barium	135-1	15.06	15.44	15.26	15.25	1.26	ppb
Barium	137-1	15.12	15.40	15.70	15.41	1.89	ppb
Beryllium	9-1	0.03	0.02	0.03	0.03	15.07	ppb
Bismuth	209-1				93		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Cadmium	108-1	0.02	0.07	0.01	0.03	103.28	ppb
Cadmium	106-1	-0.80	-1.53	-0.33	-0.89		ppb
Cadmium	111-1	-0.05	-0.11	-0.01	-0.06		ppb
Calcium	43-1	266270.10	262634.92	273288.49	267397.84	2.03	ppb
Calcium	44-1	258438.43	256145.23	262185.74	258923.13	1.18	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.10	0.11	0.09	0.10	10.82	ppb
Cobalt	59-2	0.06	0.06	0.06	0.06	7.07	ppb
Copper	63-2	2.11	2.10	2.29	2.17	4.96	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				100		%
Holmium	165-2				101		%
Indium	115-1				96		%
Indium	115-2				95		%
Iron	54-2	647.65	654.10	680.62	660.79	2.64	ppb
Iron	56-2	690.47	691.61	701.49	694.52	0.87	ppb
Iron	57-2	661.85	657.67	693.84	671.12	2.95	ppb
Krypton	83-1						cps
Lead	206-1	0.49	0.50	0.47	0.49	3.50	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-03	Instrumnet Name :	P8
Client Sample ID :	ME2955	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:55:28	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.47	0.48	0.52	0.49	5.61	ppb
Lead	208-1	0.48	0.48	0.49	0.48	1.83	ppb
Lithium	6-1				96		%
Magnesium	24-2	75126.59	73720.29	77514.81	75453.90	2.54	ppb
Manganese	55-2	58.65	57.03	59.36	58.35	2.04	ppb
Molybdenum	94-1	0.96	0.92	0.97	0.95	2.62	ppb
Molybdenum	95-1	0.97	1.02	1.02	1.00	2.53	ppb
Molybdenum	96-1	0.98	1.02	1.01	1.00	2.14	ppb
Molybdenum	97-1	0.97	1.01	1.06	1.02	4.16	ppb
Molybdenum	98-1	1.01	1.01	1.01	1.01	0.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.25	0.24	0.34	0.28	18.65	ppb
Phosphorus	31-2	2.61	-16.11	-8.86	-7.45		ppb
Potassium	39-2	3771.22	3723.84	3891.49	3795.52	2.28	ppb
Rhodium	103-1				92		%
Rhodium	103-2				95		%
Scandium	45-1				97		%
Scandium	45-2				98		%
Selenium	82-1	0.23	0.20	0.59	0.34	63.02	ppb
Selenium	77-2	0.00	2.10	0.72	0.94	113.63	ppb
Selenium	78-2	-0.21	-0.60	-0.38	-0.40		ppb
Silicon	28-1	6825.66	6873.63	6908.89	6869.39	0.61	ppb
Silver	107-1	0.08	0.07	0.08	0.07	2.77	ppb
Silver	109-1	0.06	0.07	0.06	0.06	3.09	ppb
Sodium	23-2	29264.45	29692.39	30424.00	29793.61	1.97	ppb
Strontium	86-1	14645.50	14917.89	15262.72	14942.04	2.07	ppb
Strontium	88-1	14879.97	14926.24	15284.68	15030.29	1.47	ppb
Sulfur	34-1	263997.89	264463.05	266054.09	264838.34	0.41	ppb
Terbium	159-1				99		%
Terbium	159-2				101		%
Thallium	203-1	0.01	0.02	0.01	0.01	30.51	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	18.27	ppb
Tin	118-1	0.60	0.64	0.66	0.64	4.53	ppb
Titanium	47-1	0.86	0.93	0.99	0.93	6.67	ppb
Uranium	238-1	0.81	0.83	0.82	0.82	1.51	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-03	Instrumnet Name :	P8
Client Sample ID :	ME2955	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:55:28	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.22	0.21	0.21	0.21	1.98	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				99		%
Zinc	66-2	70.56	72.12	73.66	72.11	2.15	ppb
Zirconium	90-1	0.06	0.07	0.07	0.07	9.03	ppb
Zirconium	91-1	0.06	0.06	0.09	0.07	23.81	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-04	Instrumnet Name :	P8
Client Sample ID :	ME2956	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:58:43	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.44	5.06	3.81	4.44	14.17	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	9.43	ppb
Arsenic	75-2	0.20	0.26	0.28	0.25	16.97	ppb
Barium	135-1	16.21	15.97	16.09	16.09	0.77	ppb
Barium	137-1	16.00	15.93	16.05	16.00	0.38	ppb
Beryllium	9-1	0.02	0.02	0.03	0.02	31.03	ppb
Bismuth	209-1				95		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Cadmium	108-1	0.02	0.05	0.04	0.03	40.15	ppb
Cadmium	106-1	-1.14	-0.56	-1.09	-0.93		ppb
Cadmium	111-1	-0.09	-0.05	-0.08	-0.07		ppb
Calcium	43-1	277067.11	263940.95	271213.49	270740.52	2.43	ppb
Calcium	44-1	275597.81	255614.61	265286.28	265499.56	3.76	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.32	0.28	0.30	0.30	7.22	ppb
Cobalt	59-2	0.10	0.09	0.09	0.10	6.92	ppb
Copper	63-2	0.23	0.30	0.28	0.27	12.59	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				103		%
Holmium	165-2				100		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	54-2	586.17	583.64	572.85	580.89	1.22	ppb
Iron	56-2	613.49	607.90	584.05	601.81	2.60	ppb
Iron	57-2	587.66	577.25	575.87	580.26	1.11	ppb
Krypton	83-1						cps
Lead	206-1	0.12	0.11	0.10	0.11	7.37	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-04	Instrumnet Name :	P8
Client Sample ID :	ME2956	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:58:43	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.12	0.11	0.12	0.11	3.25	ppb
Lead	208-1	0.11	0.11	0.11	0.11	2.15	ppb
Lithium	6-1				100		%
Magnesium	24-2	76721.58	75916.61	74138.58	75592.26	1.75	ppb
Manganese	55-2	64.29	62.83	62.10	63.07	1.77	ppb
Molybdenum	94-1	0.90	0.85	0.88	0.88	2.72	ppb
Molybdenum	95-1	1.00	1.03	1.05	1.03	2.61	ppb
Molybdenum	96-1	1.01	0.97	1.03	1.00	3.18	ppb
Molybdenum	97-1	1.00	1.04	1.03	1.02	2.30	ppb
Molybdenum	98-1	1.03	1.00	1.03	1.02	1.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.45	0.33	0.37	0.39	15.47	ppb
Phosphorus	31-2	-20.20	-19.73	-15.13	-18.36		ppb
Potassium	39-2	3863.17	3764.88	3768.95	3799.00	1.46	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				100		%
Scandium	45-2				98		%
Selenium	82-1	0.16	-0.03	0.05	0.06	154.71	ppb
Selenium	77-2	0.69	0.00	0.00	0.23	173.21	ppb
Selenium	78-2	-0.60	-0.39	-0.59	-0.53		ppb
Silicon	28-1	7192.10	6806.35	6904.78	6967.74	2.88	ppb
Silver	107-1	0.02	0.02	0.02	0.02	10.34	ppb
Silver	109-1	0.01	0.01	0.01	0.01	9.64	ppb
Sodium	23-2	30955.18	30058.24	29735.89	30249.77	2.09	ppb
Strontium	86-1	15066.90	14756.97	15011.45	14945.11	1.11	ppb
Strontium	88-1	14897.39	14604.18	14815.48	14772.35	1.02	ppb
Sulfur	34-1	272351.63	263176.13	268027.09	267851.62	1.71	ppb
Terbium	159-1				101		%
Terbium	159-2				100		%
Thallium	203-1	0.01	0.01	0.01	0.01	13.88	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	4.44	ppb
Tin	118-1	0.53	0.51	0.51	0.52	2.13	ppb
Titanium	47-1	0.57	0.55	0.61	0.58	4.71	ppb
Uranium	238-1	0.84	0.83	0.86	0.84	1.64	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-04	Instrumnet Name :	P8
Client Sample ID :	ME2956	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:58:43	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.03	0.03	0.04	0.03	20.53	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				99		%
Zinc	66-2	0.68	0.69	0.60	0.66	7.79	ppb
Zirconium	90-1	0.03	0.03	0.03	0.03	1.53	ppb
Zirconium	91-1	0.03	0.04	0.03	0.03	9.02	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-05	Instrumnet Name :	P8
Client Sample ID :	ME2957	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:01:56	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11.80	11.16	12.76	11.91	6.75	ppb
Antimony	121-1	0.03	0.03	0.03	0.03	9.16	ppb
Arsenic	75-2	0.39	0.28	0.37	0.35	17.36	ppb
Barium	135-1	44.78	46.11	48.30	46.40	3.83	ppb
Barium	137-1	44.87	46.65	48.29	46.60	3.68	ppb
Beryllium	9-1	0.02	0.03	0.03	0.03	13.31	ppb
Bismuth	209-1				89		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	0.20	0.15	0.16	0.17	14.76	ppb
Cadmium	106-1	-0.44	-0.29	-1.04	-0.59		ppb
Cadmium	111-1	-0.03	-0.01	-0.07	-0.04		ppb
Calcium	43-1	450766.88	465166.41	492798.20	469577.16	4.55	ppb
Calcium	44-1	443562.27	452956.50	479849.94	458789.57	4.11	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.28	0.22	0.28	0.26	13.08	ppb
Cobalt	59-2	0.95	0.96	0.98	0.97	1.47	ppb
Copper	63-2	0.54	0.53	0.67	0.58	13.07	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				98		%
Holmium	165-2				99		%
Indium	115-1				95		%
Indium	115-2				93		%
Iron	54-2	835.12	839.68	862.67	845.82	1.75	ppb
Iron	56-2	884.29	886.19	881.43	883.97	0.27	ppb
Iron	57-2	851.86	846.12	884.04	860.68	2.37	ppb
Krypton	83-1						cps
Lead	206-1	0.14	0.15	0.15	0.14	5.55	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-05	Instrumnet Name :	P8
Client Sample ID :	ME2957	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:01:56	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.12	0.15	0.16	0.14	15.55	ppb
Lead	208-1	0.13	0.14	0.16	0.15	8.64	ppb
Lithium	6-1				97		%
Magnesium	24-2	98721.32	101006.75	100482.44	100070.17	1.20	ppb
Manganese	55-2	26.04	26.39	26.78	26.40	1.39	ppb
Molybdenum	94-1	9.91	10.27	11.05	10.41	5.59	ppb
Molybdenum	95-1	11.73	12.01	12.71	12.15	4.15	ppb
Molybdenum	96-1	11.57	11.64	12.54	11.91	4.54	ppb
Molybdenum	97-1	12.06	12.18	12.77	12.34	3.11	ppb
Molybdenum	98-1	11.66	11.75	12.84	12.08	5.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.00	4.14	4.21	4.12	2.64	ppb
Phosphorus	31-2	-14.32	-18.66	-18.03	-17.00		ppb
Potassium	39-2	5679.13	5761.26	5874.36	5771.58	1.70	ppb
Rhodium	103-1				89		%
Rhodium	103-2				92		%
Scandium	45-1				97		%
Scandium	45-2				98		%
Selenium	82-1	0.57	0.68	0.34	0.53	32.43	ppb
Selenium	77-2	0.00	0.69	1.42	0.71	100.87	ppb
Selenium	78-2	-0.80	-0.40	-0.18	-0.46		ppb
Silicon	28-1	7041.21	7292.70	7564.74	7299.55	3.59	ppb
Silver	107-1	0.03	0.03	0.04	0.03	16.95	ppb
Silver	109-1	0.02	0.02	0.03	0.02	30.73	ppb
Sodium	23-2	177926.40	180299.00	182348.77	180191.39	1.23	ppb
Strontium	86-1	14327.91	14570.42	15496.92	14798.42	4.17	ppb
Strontium	88-1	14164.35	14460.74	15440.42	14688.50	4.55	ppb
Sulfur	34-1	369214.12	382100.41	400029.21	383781.25	4.03	ppb
Terbium	159-1				99		%
Terbium	159-2				98		%
Thallium	203-1	0.02	0.02	0.03	0.03	11.89	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	2.22	ppb
Tin	118-1	0.72	0.72	0.76	0.73	3.03	ppb
Titanium	47-1	0.69	0.70	0.75	0.71	4.21	ppb
Uranium	238-1	0.07	0.08	0.08	0.08	5.35	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-05	Instrumnet Name :	P8
Client Sample ID :	ME2957	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:01:56	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.25	0.22	0.23	0.23	6.82	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				98		%
Zinc	66-2	0.87	0.72	0.81	0.80	9.38	ppb
Zirconium	90-1	0.15	0.15	0.18	0.16	8.69	ppb
Zirconium	91-1	0.15	0.15	0.18	0.16	9.96	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-06	Instrumnet Name :	P8
Client Sample ID :	ME2960	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:05:12	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6.00	6.49	7.86	6.78	14.18	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	8.27	ppb
Arsenic	75-2	5.12	4.83	5.01	4.99	2.88	ppb
Barium	135-1	51.18	49.96	51.56	50.90	1.65	ppb
Barium	137-1	51.35	50.48	51.00	50.94	0.86	ppb
Beryllium	9-1	0.02	0.02	0.02	0.02	13.32	ppb
Bismuth	209-1				93		%
Bismuth	209-2				88		%
Bromine	81-1						cps
Cadmium	108-1	0.11	0.02	0.06	0.06	77.61	ppb
Cadmium	106-1	0.56	-0.09	-0.50	-0.01		ppb
Cadmium	111-1	0.04	0.00	-0.03	0.01	668.06	ppb
Calcium	43-1	397763.00	386915.03	386606.05	390428.03	1.63	ppb
Calcium	44-1	386637.58	377042.88	376548.36	380076.28	1.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.19	1.21	1.25	1.22	2.77	ppb
Cobalt	59-2	0.12	0.13	0.13	0.13	2.64	ppb
Copper	63-2	0.27	0.26	0.33	0.29	14.22	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				95		%
Indium	115-1				98		%
Indium	115-2				89		%
Iron	54-2	5212.19	5341.09	5435.67	5329.65	2.10	ppb
Iron	56-2	5411.67	5472.50	5705.18	5529.78	2.80	ppb
Iron	57-2	5266.19	5326.93	5466.32	5353.15	1.92	ppb
Krypton	83-1						cps
Lead	206-1	0.17	0.16	0.17	0.16	4.63	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-06	Instrumnet Name :	P8
Client Sample ID :	ME2960	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:05:12	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.17	0.20	0.15	0.18	12.75	ppb
Lead	208-1	0.18	0.18	0.17	0.17	3.31	ppb
Lithium	6-1				100		%
Magnesium	24-2	117567.13	118859.53	120761.93	119062.86	1.35	ppb
Manganese	55-2	481.31	486.02	502.32	489.88	2.25	ppb
Molybdenum	94-1	2.43	2.20	2.28	2.30	5.12	ppb
Molybdenum	95-1	2.60	2.52	2.55	2.56	1.64	ppb
Molybdenum	96-1	2.48	2.42	2.52	2.47	2.06	ppb
Molybdenum	97-1	2.62	2.50	2.64	2.59	2.90	ppb
Molybdenum	98-1	2.52	2.44	2.51	2.49	1.81	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.69	0.68	0.74	0.70	4.17	ppb
Phosphorus	31-2	1.55	5.58	-3.16	1.32	330.53	ppb
Potassium	39-2	15152.52	15189.65	15503.57	15281.92	1.26	ppb
Rhodium	103-1				94		%
Rhodium	103-2				90		%
Scandium	45-1				101		%
Scandium	45-2				94		%
Selenium	82-1	0.28	0.74	0.29	0.44	59.91	ppb
Selenium	77-2	0.00	0.00	0.76	0.25	173.21	ppb
Selenium	78-2	-0.80	-1.01	-0.56	-0.79		ppb
Silicon	28-1	7511.85	7372.77	7303.30	7395.97	1.44	ppb
Silver	107-1	0.02	0.02	0.02	0.02	8.48	ppb
Silver	109-1	0.01	0.01	0.01	0.01	12.85	ppb
Sodium	23-2	87338.45	87318.25	89129.09	87928.59	1.18	ppb
Strontium	86-1	11813.96	11416.55	11707.96	11646.16	1.77	ppb
Strontium	88-1	11717.32	11337.38	11561.03	11538.58	1.65	ppb
Sulfur	34-1	489838.21	472084.12	478056.36	479992.90	1.88	ppb
Terbium	159-1				102		%
Terbium	159-2				96		%
Thallium	203-1	0.02	0.01	0.01	0.01	22.32	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	14.25	ppb
Tin	118-1	0.47	0.49	0.48	0.48	1.97	ppb
Titanium	47-1	0.73	0.64	0.64	0.67	7.28	ppb
Uranium	238-1	0.52	0.51	0.51	0.51	0.71	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-06	Instrumnet Name :	P8
Client Sample ID :	ME2960	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:05:12	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.20	0.19	0.21	0.20	5.27	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				94		%
Zinc	66-2	0.64	0.68	0.72	0.68	5.54	ppb
Zirconium	90-1	0.10	0.10	0.11	0.10	1.49	ppb
Zirconium	91-1	0.12	0.11	0.11	0.11	4.61	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-07	Instrumnet Name :	P8
Client Sample ID :	ME2961	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:08:26	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	25.74	25.87	22.01	24.54	8.94	ppb
Antimony	121-1	0.02	0.02	0.03	0.02	13.80	ppb
Arsenic	75-2	0.10	0.07	0.05	0.07	39.60	ppb
Barium	135-1	11.00	11.17	11.39	11.19	1.74	ppb
Barium	137-1	11.13	11.09	11.55	11.26	2.28	ppb
Beryllium	9-1	0.02	0.02	0.01	0.02	27.43	ppb
Bismuth	209-1				91		%
Bismuth	209-2				88		%
Bromine	81-1						cps
Cadmium	108-1	0.02	0.04	0.13	0.06	94.77	ppb
Cadmium	106-1	-0.05	0.22	0.11	0.09	140.57	ppb
Cadmium	111-1	0.00	0.02	0.01	0.01	66.55	ppb
Calcium	43-1	368965.00	366617.35	394815.79	376799.38	4.15	ppb
Calcium	44-1	369541.63	356710.96	383130.36	369794.31	3.57	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.32	0.31	0.31	0.31	1.94	ppb
Cobalt	59-2	0.05	0.05	0.05	0.05	3.52	ppb
Copper	63-2	0.33	0.25	0.26	0.28	14.57	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				100		%
Holmium	165-2				94		%
Indium	115-1				96		%
Indium	115-2				87		%
Iron	54-2	3154.14	2926.03	2850.21	2976.80	5.31	ppb
Iron	56-2	3302.21	2993.65	2977.45	3091.10	5.92	ppb
Iron	57-2	3170.38	2909.18	2854.36	2977.98	5.67	ppb
Krypton	83-1						cps
Lead	206-1	0.12	0.11	0.11	0.11	6.61	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-07	Instrumnet Name :	P8
Client Sample ID :	ME2961	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:08:26	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.12	0.11	0.12	0.12	2.19	ppb
Lead	208-1	0.12	0.11	0.12	0.12	4.60	ppb
Lithium	6-1				97		%
Magnesium	24-2	115282.40	105841.20	104549.65	108557.75	5.40	ppb
Manganese	55-2	93.61	83.90	84.47	87.33	6.24	ppb
Molybdenum	94-1	0.94	0.95	1.00	0.96	3.30	ppb
Molybdenum	95-1	0.97	0.94	1.01	0.97	3.92	ppb
Molybdenum	96-1	0.97	0.93	0.97	0.96	2.31	ppb
Molybdenum	97-1	1.01	0.95	0.99	0.98	3.08	ppb
Molybdenum	98-1	0.95	0.94	1.02	0.97	4.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.36	0.28	0.29	0.31	14.15	ppb
Phosphorus	31-2	1.05	-10.10	-15.97	-8.34		ppb
Potassium	39-2	4093.11	3762.57	3700.71	3852.13	5.48	ppb
Rhodium	103-1				92		%
Rhodium	103-2				89		%
Scandium	45-1				97		%
Scandium	45-2				92		%
Selenium	82-1	0.37	0.26	0.67	0.43	48.76	ppb
Selenium	77-2	0.00	0.00	0.72	0.24	173.21	ppb
Selenium	78-2	-0.32	-0.17	0.05	-0.15		ppb
Silicon	28-1	6594.93	6679.23	6871.63	6715.26	2.11	ppb
Silver	107-1	0.01	0.02	0.02	0.02	6.04	ppb
Silver	109-1	0.01	0.01	0.01	0.01	24.76	ppb
Sodium	23-2	40935.55	37393.08	36462.56	38263.73	6.17	ppb
Strontium	86-1	12615.00	12417.74	13228.07	12753.60	3.31	ppb
Strontium	88-1	12491.14	12283.12	13096.15	12623.47	3.35	ppb
Sulfur	34-1	410944.05	408284.71	431965.58	417064.78	3.11	ppb
Terbium	159-1				99		%
Terbium	159-2				94		%
Thallium	203-1	0.01	0.01	0.01	0.01	8.83	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	11.11	ppb
Tin	118-1	0.55	0.51	0.57	0.54	5.57	ppb
Titanium	47-1	1.00	1.01	1.13	1.05	7.19	ppb
Uranium	238-1	0.35	0.34	0.35	0.35	1.84	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-07	Instrumnet Name :	P8
Client Sample ID :	ME2961	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:08:26	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.15	0.16	0.12	0.14	13.42	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				93		%
Zinc	66-2	0.66	0.71	0.53	0.63	14.79	ppb
Zirconium	90-1	0.07	0.07	0.08	0.07	6.31	ppb
Zirconium	91-1	0.07	0.07	0.07	0.07	5.06	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-08	Instrumnet Name :	P8
Client Sample ID :	ME2962	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:11:43	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8.00	8.31	8.97	8.42	5.89	ppb
Antimony	121-1	0.02	0.02	0.02	0.02	5.38	ppb
Arsenic	75-2	0.11	0.14	0.09	0.11	20.76	ppb
Barium	135-1	17.43	15.26	16.42	16.37	6.63	ppb
Barium	137-1	17.57	15.33	16.34	16.41	6.84	ppb
Beryllium	9-1	0.03	0.02	0.02	0.02	19.83	ppb
Bismuth	209-1				91		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	0.07	0.02	0.08	0.06	51.03	ppb
Cadmium	106-1	0.25	0.46	-0.12	0.20	149.25	ppb
Cadmium	111-1	0.02	0.04	-0.01	0.01	159.66	ppb
Calcium	43-1	379305.79	333520.32	352646.36	355157.49	6.47	ppb
Calcium	44-1	373086.54	330786.37	343594.49	349155.80	6.21	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.67	0.70	0.68	0.68	2.74	ppb
Cobalt	59-2	0.05	0.06	0.05	0.05	15.27	ppb
Copper	63-2	13.96	14.20	13.87	14.01	1.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				98		%
Indium	115-1				95		%
Indium	115-2				93		%
Iron	54-2	1522.86	1523.89	1518.24	1521.66	0.20	ppb
Iron	56-2	1567.11	1590.35	1569.53	1575.66	0.81	ppb
Iron	57-2	1514.12	1510.92	1527.59	1517.54	0.58	ppb
Krypton	83-1						cps
Lead	206-1	0.15	0.09	0.11	0.11	26.25	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-08	Instrumnet Name :	P8
Client Sample ID :	ME2962	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:11:43	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.12	0.10	0.12	0.11	11.90	ppb
Lead	208-1	0.13	0.10	0.11	0.11	16.58	ppb
Lithium	6-1				97		%
Magnesium	24-2	91040.28	91624.61	91030.74	91231.88	0.37	ppb
Manganese	55-2	45.67	45.81	45.91	45.79	0.27	ppb
Molybdenum	94-1	0.63	0.53	0.60	0.58	8.68	ppb
Molybdenum	95-1	0.64	0.55	0.55	0.58	8.30	ppb
Molybdenum	96-1	0.60	0.51	0.58	0.57	8.32	ppb
Molybdenum	97-1	0.64	0.54	0.59	0.59	8.95	ppb
Molybdenum	98-1	0.61	0.54	0.57	0.57	6.46	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.15	2.10	2.11	2.12	1.14	ppb
Phosphorus	31-2	-4.25	-7.57	-18.73	-10.18		ppb
Potassium	39-2	5914.86	5938.56	5961.26	5938.23	0.39	ppb
Rhodium	103-1				90		%
Rhodium	103-2				94		%
Scandium	45-1				96		%
Scandium	45-2				98		%
Selenium	82-1	0.26	0.17	0.63	0.35	68.06	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.03	-0.18	-0.19	-0.11		ppb
Silicon	28-1	6385.06	5585.52	5875.24	5948.61	6.80	ppb
Silver	107-1	0.02	0.01	0.02	0.02	17.96	ppb
Silver	109-1	0.01	0.01	0.01	0.01	5.46	ppb
Sodium	23-2	44968.39	44705.99	44826.30	44833.56	0.29	ppb
Strontium	86-1	15243.10	12863.24	13863.71	13990.02	8.54	ppb
Strontium	88-1	15249.44	12639.81	13718.94	13869.40	9.45	ppb
Sulfur	34-1	410430.65	360468.57	377164.83	382688.01	6.65	ppb
Terbium	159-1				97		%
Terbium	159-2				99		%
Thallium	203-1	0.01	0.01	0.01	0.01	36.51	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	10.65	ppb
Tin	118-1	0.76	0.63	0.70	0.70	9.56	ppb
Titanium	47-1	0.71	0.55	0.70	0.65	13.65	ppb
Uranium	238-1	0.11	0.09	0.10	0.10	7.31	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-08	Instrumnet Name :	P8
Client Sample ID :	ME2962	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:11:43	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.12	0.13	0.11	0.12	5.48	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				98		%
Zinc	66-2	0.92	1.13	0.96	1.00	11.36	ppb
Zirconium	90-1	0.07	0.06	0.07	0.06	9.14	ppb
Zirconium	91-1	0.07	0.06	0.06	0.07	11.38	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-09	Instrumnet Name :	P8
Client Sample ID :	ME2959	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:14:56	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.43	3.93	4.47	4.28	7.06	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	10.29	ppb
Arsenic	75-2	0.11	0.13	0.16	0.13	16.46	ppb
Barium	135-1	15.27	15.97	16.43	15.89	3.68	ppb
Barium	137-1	15.40	16.12	16.57	16.03	3.69	ppb
Beryllium	9-1	0.01	0.02	0.02	0.02	22.13	ppb
Bismuth	209-1				93		%
Bismuth	209-2				84		%
Bromine	81-1						cps
Cadmium	108-1	0.05	0.04	0.00	0.03	87.76	ppb
Cadmium	106-1	-0.11	-0.51	-0.64	-0.42		ppb
Cadmium	111-1	-0.01	-0.03	-0.05	-0.03		ppb
Calcium	43-1	412869.76	421075.05	452949.38	428964.73	4.94	ppb
Calcium	44-1	406078.11	417501.39	441307.37	421628.96	4.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.06	0.01	0.03	0.03	74.38	ppb
Cobalt	59-2	0.06	0.06	0.06	0.06	0.91	ppb
Copper	63-2	0.41	0.43	0.45	0.43	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				103		%
Holmium	165-2				92		%
Indium	115-1				99		%
Indium	115-2				83		%
Iron	54-2	1365.95	1348.33	1354.19	1356.16	0.66	ppb
Iron	56-2	1411.19	1380.91	1405.59	1399.23	1.15	ppb
Iron	57-2	1364.50	1353.65	1385.03	1367.73	1.17	ppb
Krypton	83-1						cps
Lead	206-1	0.11	0.11	0.13	0.12	9.18	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-09	Instrumnet Name :	P8
Client Sample ID :	ME2959	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:14:56	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.10	0.11	0.12	0.11	11.00	ppb
Lead	208-1	0.10	0.11	0.13	0.12	14.38	ppb
Lithium	6-1				100		%
Magnesium	24-2	144517.23	143617.59	147785.23	145306.68	1.51	ppb
Manganese	55-2	50.60	51.26	51.77	51.21	1.14	ppb
Molybdenum	94-1	0.57	0.65	0.67	0.63	8.50	ppb
Molybdenum	95-1	0.67	0.73	0.72	0.71	4.39	ppb
Molybdenum	96-1	0.65	0.69	0.74	0.70	6.31	ppb
Molybdenum	97-1	0.68	0.71	0.79	0.73	8.10	ppb
Molybdenum	98-1	0.66	0.69	0.71	0.69	4.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.24	0.25	0.21	0.24	8.73	ppb
Phosphorus	31-2	-7.95	-8.06	-10.60	-8.87		ppb
Potassium	39-2	4729.37	4705.87	4784.60	4739.95	0.85	ppb
Rhodium	103-1				93		%
Rhodium	103-2				86		%
Scandium	45-1				101		%
Scandium	45-2				91		%
Selenium	82-1	0.36	0.33	0.22	0.30	25.34	ppb
Selenium	77-2	0.00	0.74	0.75	0.50	86.61	ppb
Selenium	78-2	-0.09	-0.14	-0.57	-0.27		ppb
Silicon	28-1	8069.40	8141.29	8650.41	8287.03	3.82	ppb
Silver	107-1	0.02	0.03	0.03	0.03	15.92	ppb
Silver	109-1	0.01	0.01	0.03	0.02	42.18	ppb
Sodium	23-2	186739.20	184918.82	189692.39	187116.80	1.29	ppb
Strontium	86-1	13425.27	14044.99	14835.24	14101.84	5.01	ppb
Strontium	88-1	13152.71	14039.41	14707.56	13966.56	5.58	ppb
Sulfur	34-1	437671.93	446083.44	472599.15	452118.18	4.03	ppb
Terbium	159-1				102		%
Terbium	159-2				92		%
Thallium	203-1	0.01	0.00	0.01	0.01	48.82	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	39.11	ppb
Tin	118-1	0.52	0.55	0.55	0.54	2.88	ppb
Titanium	47-1	0.71	0.67	0.69	0.69	3.15	ppb
Uranium	238-1	0.23	0.24	0.25	0.24	2.37	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-09	Instrumnet Name :	P8
Client Sample ID :	ME2959	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:14:56	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.03	0.03	0.03	0.03	3.16	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				91		%
Zinc	66-2	0.63	0.47	0.70	0.60	19.64	ppb
Zirconium	90-1	0.02	0.02	0.03	0.02	10.33	ppb
Zirconium	91-1	0.03	0.03	0.04	0.03	31.06	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-10	Instrumnet Name :	P8
Client Sample ID :	ME2959D	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:18:14	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.13	4.78	3.61	4.17	14.01	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	12.16	ppb
Arsenic	75-2	0.14	0.16	0.10	0.13	25.65	ppb
Barium	135-1	16.27	16.43	16.41	16.37	0.52	ppb
Barium	137-1	16.02	16.54	16.65	16.40	2.05	ppb
Beryllium	9-1	0.02	0.02	0.01	0.02	14.82	ppb
Bismuth	209-1				91		%
Bismuth	209-2				87		%
Bromine	81-1						cps
Cadmium	108-1	0.02	0.07	0.02	0.04	84.11	ppb
Cadmium	106-1	-0.09	-0.86	-1.60	-0.85		ppb
Cadmium	111-1	0.00	-0.07	-0.12	-0.06		ppb
Calcium	43-1	424251.00	443114.31	458530.84	441965.38	3.88	ppb
Calcium	44-1	416533.92	435832.54	449659.96	434008.81	3.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.12	0.15	0.12	0.13	15.72	ppb
Cobalt	59-2	0.05	0.05	0.04	0.05	8.37	ppb
Copper	63-2	3.40	3.69	3.44	3.51	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				100		%
Holmium	165-2				95		%
Indium	115-1				97		%
Indium	115-2				89		%
Iron	54-2	1454.36	1528.48	1485.45	1489.43	2.50	ppb
Iron	56-2	1546.56	1581.53	1537.17	1555.09	1.50	ppb
Iron	57-2	1477.74	1530.59	1492.19	1500.18	1.82	ppb
Krypton	83-1						cps
Lead	206-1	0.08	0.08	0.09	0.09	6.86	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-10	Instrumnet Name :	P8
Client Sample ID :	ME2959D	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:18:14	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.08	0.10	0.09	0.09	11.05	ppb
Lead	208-1	0.09	0.09	0.09	0.09	4.22	ppb
Lithium	6-1				96		%
Magnesium	24-2	144366.16	148119.91	142692.00	145059.36	1.92	ppb
Manganese	55-2	50.18	52.44	50.11	50.91	2.60	ppb
Molybdenum	94-1	0.60	0.64	0.63	0.63	3.18	ppb
Molybdenum	95-1	0.70	0.73	0.72	0.72	1.95	ppb
Molybdenum	96-1	0.71	0.73	0.72	0.72	0.91	ppb
Molybdenum	97-1	0.72	0.71	0.75	0.73	3.02	ppb
Molybdenum	98-1	0.69	0.70	0.72	0.70	1.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.23	0.27	0.30	0.27	12.76	ppb
Phosphorus	31-2	-15.01	-3.31	-15.94	-11.42		ppb
Potassium	39-2	4620.81	4887.59	4683.08	4730.50	2.95	ppb
Rhodium	103-1				90		%
Rhodium	103-2				88		%
Scandium	45-1				98		%
Scandium	45-2				94		%
Selenium	82-1	0.60	0.09	0.09	0.26	112.91	ppb
Selenium	77-2	0.74	0.00	1.46	0.73	99.28	ppb
Selenium	78-2	-0.14	-0.58	-0.37	-0.36		ppb
Silicon	28-1	7993.59	8370.39	8681.10	8348.36	4.12	ppb
Silver	107-1	0.02	0.03	0.03	0.03	15.57	ppb
Silver	109-1	0.02	0.03	0.03	0.02	24.87	ppb
Sodium	23-2	185716.71	189832.75	181963.27	185837.58	2.12	ppb
Strontium	86-1	14074.42	14037.34	14625.73	14245.83	2.31	ppb
Strontium	88-1	13965.18	14014.67	14643.25	14207.70	2.66	ppb
Sulfur	34-1	443792.98	454162.94	474883.76	457613.23	3.46	ppb
Terbium	159-1				98		%
Terbium	159-2				96		%
Thallium	203-1	0.01	0.00	0.01	0.00	63.43	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	11.15	ppb
Tin	118-1	0.51	0.52	0.56	0.53	4.66	ppb
Titanium	47-1	0.81	0.70	0.71	0.74	8.41	ppb
Uranium	238-1	0.23	0.25	0.25	0.24	4.68	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-10	Instrumnet Name :	P8
Client Sample ID :	ME2959D	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:18:14	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.03	0.03	0.02	0.03	15.14	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				94		%
Zinc	66-2	0.93	0.94	0.94	0.93	0.66	ppb
Zirconium	90-1	0.02	0.02	0.03	0.02	13.41	ppb
Zirconium	91-1	0.03	0.04	0.03	0.03	20.67	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-09LX5	Instrumnet Name :	P8
Client Sample ID :	ME2959L	Dilution Factor :	5
Date & Time Acquired :	2025-02-06 14:21:29	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.51	3.96	3.73	3.73	5.97	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	5.99	ppb
Arsenic	75-2	0.03	0.01	0.04	0.03	67.66	ppb
Barium	135-1	3.17	3.20	3.22	3.19	0.87	ppb
Barium	137-1	3.34	3.25	3.32	3.31	1.46	ppb
Beryllium	9-1	0.02	0.01	0.01	0.01	22.43	ppb
Bismuth	209-1				99		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Cadmium	108-1	0.01	0.03	0.02	0.02	52.02	ppb
Cadmium	106-1	-0.20	-0.64	-0.14	-0.33		ppb
Cadmium	111-1	-0.01	-0.05	-0.01	-0.02		ppb
Calcium	43-1	86702.58	87031.67	87206.77	86980.34	0.29	ppb
Calcium	44-1	84696.12	86291.01	85024.67	85337.27	0.99	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.07	-0.10	-0.07	-0.08		ppb
Cobalt	59-2	0.01	0.01	0.01	0.01	53.18	ppb
Copper	63-2	0.52	0.57	0.54	0.54	5.29	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				105		%
Holmium	165-2				103		%
Indium	115-1				103		%
Indium	115-2				101		%
Iron	54-2	275.11	276.08	275.62	275.60	0.18	ppb
Iron	56-2	275.33	277.09	278.61	277.01	0.59	ppb
Iron	57-2	275.08	269.76	274.32	273.05	1.05	ppb
Krypton	83-1						cps
Lead	206-1	0.06	0.06	0.05	0.06	13.15	ppb

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-09LX5	Instrumnet Name :	P8
Client Sample ID :	ME2959L	Dilution Factor :	5
Date & Time Acquired :	2025-02-06 14:21:29	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.05	0.05	0.05	0.05	3.16	ppb
Lead	208-1	0.05	0.05	0.05	0.05	1.22	ppb
Lithium	6-1				104		%
Magnesium	24-2	29163.29	29164.30	29857.36	29394.98	1.36	ppb
Manganese	55-2	12.59	12.76	12.76	12.70	0.74	ppb
Molybdenum	94-1	0.16	0.16	0.14	0.15	9.89	ppb
Molybdenum	95-1	0.15	0.16	0.17	0.16	6.87	ppb
Molybdenum	96-1	0.15	0.15	0.15	0.15	1.89	ppb
Molybdenum	97-1	0.17	0.16	0.14	0.16	8.62	ppb
Molybdenum	98-1	0.15	0.15	0.15	0.15	2.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.12	0.12	0.15	0.13	11.49	ppb
Phosphorus	31-2	-20.71	-28.23	-27.65	-25.53		ppb
Potassium	39-2	958.22	953.81	960.45	957.49	0.35	ppb
Rhodium	103-1				99		%
Rhodium	103-2				101		%
Scandium	45-1				105		%
Scandium	45-2				102		%
Selenium	82-1	0.20	0.07	0.14	0.14	49.40	ppb
Selenium	77-2	0.69	0.00	0.67	0.45	86.63	ppb
Selenium	78-2	-0.81	-0.62	-0.23	-0.55		ppb
Silicon	28-1	1635.27	1683.35	1670.04	1662.89	1.49	ppb
Silver	107-1	0.02	0.02	0.02	0.02	9.83	ppb
Silver	109-1	0.02	0.01	0.01	0.01	23.33	ppb
Sodium	23-2	37208.68	36945.63	37005.40	37053.24	0.37	ppb
Strontium	86-1	2823.07	2845.67	2867.26	2845.33	0.78	ppb
Strontium	88-1	2796.68	2822.07	2841.84	2820.20	0.80	ppb
Sulfur	34-1	89799.19	91822.32	90954.99	90858.83	1.12	ppb
Terbium	159-1				105		%
Terbium	159-2				103		%
Thallium	203-1	0.00	0.01	0.00	0.01	22.75	ppb
Thallium	205-1	0.01	0.00	0.01	0.01	28.04	ppb
Tin	118-1	0.19	0.17	0.17	0.18	6.33	ppb
Titanium	47-1	0.17	0.14	0.17	0.16	9.24	ppb
Uranium	238-1	0.04	0.05	0.05	0.05	4.42	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-09LX5	Instrumnet Name :	P8
Client Sample ID :	ME2959L	Dilution Factor :	5
Date & Time Acquired :	2025-02-06 14:21:29	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.01	0.01	61.85	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				103		%
Zinc	66-2	0.49	0.58	0.57	0.54	9.05	ppb
Zirconium	90-1	0.00	0.00	0.01	0.01	37.45	ppb
Zirconium	91-1	0.01	0.00	0.01	0.01	23.29	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-11	Instrumnet Name :	P8
Client Sample ID :	ME2959S	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:24:41	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1765.93	1882.71	1853.20	1833.95	3.31	ppb
Antimony	121-1	106.84	101.22	109.15	105.74	3.86	ppb
Arsenic	75-2	40.08	40.32	41.47	40.62	1.83	ppb
Barium	135-1	2088.84	2033.63	2158.69	2093.72	2.99	ppb
Barium	137-1	2076.80	2013.44	2131.73	2073.99	2.85	ppb
Beryllium	9-1	49.54	49.27	51.62	50.14	2.57	ppb
Bismuth	209-1				92		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Cadmium	108-1	38.69	39.60	40.32	39.54	2.06	ppb
Cadmium	106-1	38.99	37.29	39.40	38.56	2.90	ppb
Cadmium	111-1	48.32	46.19	49.38	47.96	3.39	ppb
Calcium	43-1	443408.94	426142.76	454127.60	441226.43	3.20	ppb
Calcium	44-1	435147.37	422221.51	439651.57	432340.15	2.09	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	196.50	209.44	205.11	203.68	3.23	ppb
Cobalt	59-2	504.68	533.32	517.64	518.55	2.77	ppb
Copper	63-2	251.10	249.49	245.97	248.86	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				103		%
Holmium	165-2				102		%
Indium	115-1				100		%
Indium	115-2				96		%
Iron	54-2	2399.61	2525.26	2500.93	2475.26	2.69	ppb
Iron	56-2	2347.19	2440.89	2403.98	2397.35	1.97	ppb
Iron	57-2	2257.71	2389.16	2337.98	2328.28	2.85	ppb
Krypton	83-1						cps
Lead	206-1	20.12	19.90	20.66	20.22	1.93	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-11	Instrumnet Name :	P8
Client Sample ID :	ME2959S	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:24:41	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	20.19	19.64	20.69	20.18	2.59	ppb
Lead	208-1	20.08	19.73	20.62	20.15	2.22	ppb
Lithium	6-1				100		%
Magnesium	24-2	134905.77	143549.67	141063.07	139839.51	3.18	ppb
Manganese	55-2	521.93	551.72	538.87	537.51	2.78	ppb
Molybdenum	94-1	0.65	0.68	0.68	0.67	2.86	ppb
Molybdenum	95-1	0.71	0.71	0.80	0.74	7.05	ppb
Molybdenum	96-1	0.73	0.73	0.75	0.74	1.26	ppb
Molybdenum	97-1	0.70	0.70	0.77	0.72	5.76	ppb
Molybdenum	98-1	0.71	0.68	0.77	0.72	6.30	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	470.06	496.30	484.57	483.64	2.72	ppb
Phosphorus	31-2	-3.76	-5.92	-5.03	-4.91		ppb
Potassium	39-2	4525.15	4795.15	4671.74	4664.01	2.90	ppb
Rhodium	103-1				93		%
Rhodium	103-2				95		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	82-1	19.28	19.22	20.11	19.54	2.54	ppb
Selenium	77-2	12.53	21.10	15.99	16.54	26.06	ppb
Selenium	78-2	18.35	17.58	17.77	17.90	2.23	ppb
Silicon	28-1	8648.84	8376.15	8768.45	8597.81	2.34	ppb
Silver	107-1	45.83	44.96	47.73	46.17	3.07	ppb
Silver	109-1	46.84	45.17	48.38	46.80	3.44	ppb
Sodium	23-2	174580.37	186257.11	180303.28	180380.26	3.24	ppb
Strontium	86-1	13829.58	13853.14	14627.45	14103.39	3.22	ppb
Strontium	88-1	13921.07	13765.90	14607.34	14098.10	3.18	ppb
Sulfur	34-1	463428.72	448165.97	479530.89	463708.53	3.38	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	50.73	50.10	51.96	50.93	1.86	ppb
Thallium	205-1	54.91	53.15	55.22	54.43	2.06	ppb
Tin	118-1	0.59	0.57	0.60	0.59	2.58	ppb
Titanium	47-1	0.74	0.79	0.76	0.76	3.36	ppb
Uranium	238-1	0.25	0.24	0.25	0.25	1.82	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-11	Instrumnet Name :	P8
Client Sample ID :	ME2959S	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:24:41	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	513.59	527.79	537.72	526.37	2.30	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				102		%
Zinc	66-2	453.34	482.04	468.81	468.06	3.07	ppb
Zirconium	90-1	0.05	0.05	0.05	0.05	4.48	ppb
Zirconium	91-1	0.06	0.08	0.08	0.07	11.99	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-12	Instrumnet Name :	P8
Client Sample ID :	ME2963	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:28:11	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	588.14	589.99	590.28	589.47	0.20	ppb
Antimony	121-1	0.09	0.11	0.10	0.10	7.14	ppb
Arsenic	75-2	2.36	2.33	2.31	2.33	1.09	ppb
Barium	135-1	45.50	43.14	42.05	43.56	4.05	ppb
Barium	137-1	45.65	43.25	42.15	43.68	4.10	ppb
Beryllium	9-1	0.04	0.03	0.03	0.03	17.13	ppb
Bismuth	209-1				97		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Cadmium	108-1	0.62	0.51	0.55	0.56	9.70	ppb
Cadmium	106-1	0.60	1.15	-0.31	0.48	152.58	ppb
Cadmium	111-1	0.08	0.12	0.00	0.07	94.01	ppb
Calcium	43-1	147120.94	136843.39	135540.27	139834.87	4.54	ppb
Calcium	44-1	143323.31	135166.86	134663.18	137717.78	3.53	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.05	0.06	0.03	0.05	27.55	ppb
Cobalt	59-2	0.14	0.16	0.15	0.15	5.75	ppb
Copper	63-2	1.00	0.92	0.95	0.96	3.96	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				104		%
Holmium	165-2				106		%
Indium	115-1				101		%
Indium	115-2				102		%
Iron	54-2	17.25	18.84	17.08	17.72	5.45	ppb
Iron	56-2	18.50	18.24	18.02	18.25	1.29	ppb
Iron	57-2	22.19	21.88	22.90	22.32	2.35	ppb
Krypton	83-1						cps
Lead	206-1	0.25	0.22	0.22	0.23	8.07	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-12	Instrumnet Name :	P8
Client Sample ID :	ME2963	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:28:11	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.23	0.21	0.23	0.22	5.44	ppb
Lead	208-1	0.24	0.21	0.22	0.22	7.38	ppb
Lithium	6-1				106		%
Magnesium	24-2	22.47	24.34	22.75	23.19	4.35	ppb
Manganese	55-2	1.96	2.05	2.03	2.01	2.33	ppb
Molybdenum	94-1	38.17	35.81	35.41	36.47	4.09	ppb
Molybdenum	95-1	46.31	43.51	42.65	44.16	4.33	ppb
Molybdenum	96-1	44.96	42.29	41.53	42.93	4.20	ppb
Molybdenum	97-1	46.41	43.90	42.94	44.42	4.04	ppb
Molybdenum	98-1	45.82	42.55	42.18	43.52	4.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	161.41	159.77	160.30	160.49	0.52	ppb
Phosphorus	31-2	340.77	367.38	377.00	361.71	5.19	ppb
Potassium	39-2	60624.07	59943.66	58929.27	59832.33	1.43	ppb
Rhodium	103-1				99		%
Rhodium	103-2				102		%
Scandium	45-1				104		%
Scandium	45-2				105		%
Selenium	82-1	1.87	1.63	1.62	1.71	8.09	ppb
Selenium	77-2	0.00	3.25	2.00	1.75	93.69	ppb
Selenium	78-2	0.13	0.88	0.93	0.64	69.84	ppb
Silicon	28-1	2495.92	2399.26	2355.50	2416.89	2.97	ppb
Silver	107-1	0.05	0.03	0.03	0.04	24.18	ppb
Silver	109-1	0.04	0.04	0.03	0.04	14.71	ppb
Sodium	23-2	30046.30	29725.59	30075.56	29949.15	0.65	ppb
Strontium	86-1	1432.76	1348.89	1319.81	1367.15	4.29	ppb
Strontium	88-1	1444.12	1338.31	1323.61	1368.68	4.80	ppb
Sulfur	34-1	14468.61	12775.97	12649.78	13298.12	7.64	ppb
Terbium	159-1				104		%
Terbium	159-2				106		%
Thallium	203-1	0.03	0.02	0.02	0.02	25.40	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	8.34	ppb
Tin	118-1	0.48	0.48	0.45	0.47	4.01	ppb
Titanium	47-1	0.76	0.64	0.58	0.66	13.44	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-12	Instrumnet Name :	P8
Client Sample ID :	ME2963	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:28:11	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	2.72	2.74	2.69	2.72	0.95	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				106		%
Zinc	66-2	1.33	1.29	1.29	1.30	2.04	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	22.26	ppb
Zirconium	91-1	0.02	0.02	0.02	0.02	6.89	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-13	Instrumnet Name :	P8
Client Sample ID :	ME2967	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:31:25	DataFile Name :	043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	57.33	53.78	46.63	52.58	10.37	ppb
Antimony	121-1	0.22	0.19	0.20	0.20	6.17	ppb
Arsenic	75-2	1.21	1.59	1.13	1.31	18.48	ppb
Barium	135-1	23.56	22.56	22.71	22.94	2.34	ppb
Barium	137-1	23.76	22.36	22.53	22.89	3.33	ppb
Beryllium	9-1	0.01	0.02	0.02	0.02	28.87	ppb
Bismuth	209-1				98		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Cadmium	108-1	0.37	0.60	0.45	0.47	25.12	ppb
Cadmium	106-1	0.35	0.97	0.59	0.63	48.88	ppb
Cadmium	111-1	0.09	0.10	0.09	0.10	8.06	ppb
Calcium	43-1	18864.24	17680.02	17852.46	18132.24	3.53	ppb
Calcium	44-1	19151.47	17593.56	17776.47	18173.83	4.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.03	-0.03	-0.05	-0.02		ppb
Cobalt	59-2	0.12	0.11	0.10	0.11	9.43	ppb
Copper	63-2	4.03	4.04	3.26	3.78	11.86	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				103		%
Holmium	165-2				109		%
Indium	115-1				102		%
Indium	115-2				103		%
Iron	54-2	127.80	125.40	106.76	119.99	9.60	ppb
Iron	56-2	126.40	124.66	107.17	119.41	8.90	ppb
Iron	57-2	123.17	125.87	113.12	120.72	5.56	ppb
Krypton	83-1						cps
Lead	206-1	0.12	0.09	0.08	0.10	25.47	ppb

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-13	Instrumnet Name :	P8
Client Sample ID :	ME2967	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:31:25	DataFile Name :	043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.11	0.10	0.09	0.10	9.23	ppb
Lead	208-1	0.11	0.09	0.08	0.09	14.13	ppb
Lithium	6-1				106		%
Magnesium	24-2	441.71	448.00	377.47	422.39	9.24	ppb
Manganese	55-2	8.37	8.43	7.30	8.04	7.90	ppb
Molybdenum	94-1	29.70	27.75	28.31	28.59	3.51	ppb
Molybdenum	95-1	36.00	34.03	34.46	34.83	2.97	ppb
Molybdenum	96-1	35.03	33.12	33.22	33.79	3.19	ppb
Molybdenum	97-1	36.05	34.02	34.63	34.90	2.99	ppb
Molybdenum	98-1	35.70	33.52	33.80	34.34	3.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	26.95	26.68	22.56	25.40	9.69	ppb
Phosphorus	31-2	107.43	87.03	96.12	96.86	10.55	ppb
Potassium	39-2	80508.24	79640.33	68454.29	76200.95	8.82	ppb
Rhodium	103-1				98		%
Rhodium	103-2				105		%
Scandium	45-1				103		%
Scandium	45-2				105		%
Selenium	82-1	1.07	1.03	1.06	1.05	1.58	ppb
Selenium	77-2	1.34	1.36	0.00	0.90	86.61	ppb
Selenium	78-2	0.74	0.38	0.57	0.56	32.25	ppb
Silicon	28-1	2113.70	1977.76	2017.92	2036.46	3.43	ppb
Silver	107-1	0.02	0.02	0.01	0.02	33.47	ppb
Silver	109-1	0.02	0.02	0.02	0.02	9.08	ppb
Sodium	23-2	52562.08	52636.09	45279.71	50159.29	8.43	ppb
Strontium	86-1	543.90	528.68	517.53	530.04	2.50	ppb
Strontium	88-1	548.47	501.45	519.92	523.28	4.53	ppb
Sulfur	34-1	14567.05	12578.92	12528.35	13224.77	8.79	ppb
Terbium	159-1				103		%
Terbium	159-2				108		%
Thallium	203-1	0.01	0.01	0.01	0.01	17.31	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	1.43	ppb
Tin	118-1	0.48	0.42	0.43	0.44	7.12	ppb
Titanium	47-1	0.39	0.36	0.39	0.38	4.53	ppb
Uranium	238-1	0.12	0.12	0.12	0.12	2.54	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-13	Instrumnet Name :	P8
Client Sample ID :	ME2967	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:31:25	DataFile Name :	043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	1.82	1.85	1.50	1.72	11.48	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				107		%
Zinc	66-2	4.38	4.19	3.79	4.12	7.40	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	28.30	ppb
Zirconium	91-1	0.01	0.01	0.01	0.01	24.34	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-14	Instrumnet Name :	P8
Client Sample ID :	ME2965	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:34:37	DataFile Name :	044AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	753.54	693.20	640.55	695.76	8.13	ppb
Antimony	121-1	0.13	0.12	0.11	0.12	7.94	ppb
Arsenic	75-2	5.20	4.26	4.72	4.73	9.96	ppb
Barium	135-1	58.30	52.19	52.17	54.22	6.52	ppb
Barium	137-1	57.71	52.69	51.94	54.12	5.80	ppb
Beryllium	9-1	0.02	0.01	0.02	0.01	39.53	ppb
Bismuth	209-1				92		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Cadmium	108-1	1.32	1.21	1.10	1.21	9.05	ppb
Cadmium	106-1	-0.31	0.23	-0.14	-0.07		ppb
Cadmium	111-1	0.01	0.06	0.03	0.03	76.88	ppb
Calcium	43-1	125257.59	114884.75	112089.64	117410.66	5.91	ppb
Calcium	44-1	124398.07	111691.49	110421.70	115503.75	6.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.57	0.48	0.44	0.50	12.96	ppb
Cobalt	59-2	0.18	0.13	0.13	0.15	17.59	ppb
Copper	63-2	2.73	2.41	2.35	2.50	8.12	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				101		%
Holmium	165-2				112		%
Indium	115-1				97		%
Indium	115-2				106		%
Iron	54-2	16.28	14.05	13.25	14.53	10.81	ppb
Iron	56-2	15.97	14.39	13.26	14.54	9.38	ppb
Iron	57-2	19.01	17.20	15.17	17.13	11.22	ppb
Krypton	83-1						cps
Lead	206-1	0.08	0.07	0.06	0.07	17.24	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-14	Instrumnet Name :	P8
Client Sample ID :	ME2965	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:34:37	DataFile Name :	044AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.07	0.05	0.05	0.06	16.69	ppb
Lead	208-1	0.08	0.06	0.06	0.07	14.41	ppb
Lithium	6-1				104		%
Magnesium	24-2	-4.97	-6.84	-6.59	-6.13		ppb
Manganese	55-2	0.84	0.80	0.75	0.80	5.49	ppb
Molybdenum	94-1	78.98	71.81	70.71	73.83	6.08	ppb
Molybdenum	95-1	95.78	86.70	86.30	89.59	5.99	ppb
Molybdenum	96-1	93.66	84.40	84.39	87.48	6.11	ppb
Molybdenum	97-1	95.79	88.06	87.81	90.55	5.01	ppb
Molybdenum	98-1	95.92	86.45	85.62	89.33	6.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	451.81	412.22	387.91	417.31	7.73	ppb
Phosphorus	31-2	555.61	554.31	507.72	539.22	5.06	ppb
Potassium	39-2	192994.40	173166.33	163903.79	176688.17	8.41	ppb
Rhodium	103-1				94		%
Rhodium	103-2				107		%
Scandium	45-1				99		%
Scandium	45-2				110		%
Selenium	82-1	2.07	1.67	2.10	1.95	12.39	ppb
Selenium	77-2	1.34	1.82	2.38	1.85	28.02	ppb
Selenium	78-2	0.36	0.41	0.03	0.27	76.95	ppb
Silicon	28-1	3291.45	2994.54	2954.21	3080.07	5.98	ppb
Silver	107-1	0.01	0.01	0.01	0.01	13.64	ppb
Silver	109-1	0.01	0.01	0.01	0.01	13.61	ppb
Sodium	23-2	117249.70	107373.52	101618.50	108747.24	7.27	ppb
Strontium	86-1	2514.02	2267.48	2205.36	2328.95	7.01	ppb
Strontium	88-1	2506.58	2267.74	2222.59	2332.30	6.54	ppb
Sulfur	34-1	15958.95	13322.03	12303.38	13861.46	13.61	ppb
Terbium	159-1				101		%
Terbium	159-2				112		%
Thallium	203-1	0.01	0.01	0.01	0.01	32.40	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	34.05	ppb
Tin	118-1	0.59	0.51	0.54	0.55	7.34	ppb
Titanium	47-1	0.87	0.78	0.70	0.78	10.82	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-14	Instrumnet Name :	P8
Client Sample ID :	ME2965	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:34:37	DataFile Name :	044AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	2.96	2.70	2.56	2.74	7.51	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				111		%
Zinc	66-2	1.16	0.93	0.79	0.96	19.22	ppb
Zirconium	90-1	0.01	0.00	0.01	0.01	45.89	ppb
Zirconium	91-1	0.01	0.00	0.01	0.01	46.98	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P8
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:37:49	DataFile Name :	045CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47976.81	47843.64	47911.96	47910.80	0.14	ppb
Antimony	121-1	498.50	494.81	501.39	498.23	0.66	ppb
Arsenic	75-2	500.17	493.54	491.44	495.05	0.92	ppb
Barium	135-1	2527.35	2530.19	2521.48	2526.34	0.18	ppb
Barium	137-1	2470.09	2523.62	2520.69	2504.80	1.20	ppb
Beryllium	9-1	500.78	506.26	506.53	504.52	0.64	ppb
Bismuth	209-1				92		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	489.89	495.21	498.28	494.46	0.86	ppb
Cadmium	106-1	488.83	500.44	500.61	496.63	1.36	ppb
Cadmium	111-1	478.19	492.59	496.88	489.22	2.00	ppb
Calcium	43-1	236169.68	235527.59	235923.61	235873.63	0.14	ppb
Calcium	44-1	233912.85	229823.79	233700.62	232479.09	0.99	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	516.50	523.71	503.93	514.71	1.94	ppb
Cobalt	59-2	496.54	504.25	511.18	503.99	1.45	ppb
Copper	63-2	4883.75	4815.74	4768.40	4822.63	1.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				100		%
Indium	115-1				96		%
Indium	115-2				92		%
Iron	54-2	121167.78	120020.97	119464.81	120217.85	0.72	ppb
Iron	56-2	123247.76	121387.06	119927.70	121520.84	1.37	ppb
Iron	57-2	124858.82	122429.51	120147.24	122478.52	1.92	ppb
Krypton	83-1						cps
Lead	206-1	2571.64	2609.70	2552.56	2577.97	1.13	ppb

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P8
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:37:49	DataFile Name :	045CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2590.44	2602.24	2573.75	2588.81	0.55	ppb
Lead	208-1	2548.22	2588.29	2569.16	2568.56	0.78	ppb
Lithium	6-1				97		%
Magnesium	24-2	239830.92	239359.26	240632.27	239940.82	0.27	ppb
Manganese	55-2	5110.18	5011.91	4939.62	5020.57	1.71	ppb
Molybdenum	94-1	5034.75	5100.34	5100.03	5078.37	0.74	ppb
Molybdenum	95-1	5058.07	5126.51	5116.26	5100.28	0.72	ppb
Molybdenum	96-1	5013.09	5126.57	5140.98	5093.55	1.38	ppb
Molybdenum	97-1	4940.15	5109.79	5105.51	5051.82	1.91	ppb
Molybdenum	98-1	4955.71	5110.30	5099.74	5055.25	1.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	463.82	464.34	464.02	464.06	0.06	ppb
Phosphorus	31-2	9918.41	9880.61	9711.04	9836.69	1.12	ppb
Potassium	39-2	118573.42	119155.85	119483.50	119070.92	0.39	ppb
Rhodium	103-1				92		%
Rhodium	103-2				91		%
Scandium	45-1				100		%
Scandium	45-2				98		%
Selenium	82-1	482.20	493.16	484.89	486.75	1.17	ppb
Selenium	77-2	536.91	489.20	490.60	505.57	5.37	ppb
Selenium	78-2	486.84	460.47	483.76	477.02	3.02	ppb
Silicon	28-1	535.46	536.48	548.70	540.22	1.36	ppb
Silver	107-1	482.27	478.33	485.00	481.87	0.70	ppb
Silver	109-1	479.80	480.22	492.08	484.03	1.44	ppb
Sodium	23-2	240799.53	240334.93	237726.67	239620.37	0.69	ppb
Strontium	86-1	508.75	514.26	511.07	511.36	0.54	ppb
Strontium	88-1	500.60	509.30	509.25	506.38	0.99	ppb
Sulfur	34-1	10551.13	10441.32	10081.83	10358.09	2.37	ppb
Terbium	159-1				103		%
Terbium	159-2				99		%
Thallium	203-1	521.68	517.66	513.65	517.66	0.78	ppb
Thallium	205-1	513.71	516.84	516.72	515.76	0.34	ppb
Tin	118-1	502.85	501.50	512.68	505.68	1.21	ppb
Titanium	47-1	4971.39	5080.00	5107.93	5053.11	1.43	ppb
Uranium	238-1	514.93	516.71	522.11	517.92	0.72	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P8
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:37:49	DataFile Name :	045CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	516.69	516.68	510.76	514.71	0.66	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				98		%
Zinc	66-2	4935.00	4840.49	4753.00	4842.83	1.88	ppb
Zirconium	90-1	508.53	516.23	515.36	513.37	0.82	ppb
Zirconium	91-1	519.69	521.22	517.44	519.45	0.37	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P8
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:40:31	DataFile Name :	046CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.56	1.33	1.40	1.43	8.11	ppb
Antimony	121-1	0.15	0.13	0.12	0.14	11.90	ppb
Arsenic	75-2	-0.01	0.01	0.01	0.00	444.67	ppb
Barium	135-1	0.12	0.08	0.08	0.09	20.95	ppb
Barium	137-1	0.10	0.08	0.08	0.09	12.21	ppb
Beryllium	9-1	0.16	0.14	0.13	0.15	9.74	ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Cadmium	108-1	0.06	0.06	0.04	0.05	17.87	ppb
Cadmium	106-1	-0.83	0.18	-0.47	-0.38		ppb
Cadmium	111-1	-0.03	0.05	-0.01	0.00	9189.77	ppb
Calcium	43-1	10.19	6.82	5.50	7.50	32.23	ppb
Calcium	44-1	12.34	8.57	7.71	9.54	25.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.16	-0.16	-0.13	-0.15		ppb
Cobalt	59-2	0.02	0.01	0.01	0.01	28.25	ppb
Copper	63-2	0.29	0.26	0.26	0.27	7.15	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				103		%
Indium	115-1				109		%
Indium	115-2				100		%
Iron	54-2	3.90	2.71	3.48	3.36	17.90	ppb
Iron	56-2	3.51	3.32	3.37	3.40	2.82	ppb
Iron	57-2	3.64	3.83	2.12	3.19	29.39	ppb
Krypton	83-1						cps
Lead	206-1	0.34	0.29	0.26	0.30	14.67	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P8
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:40:31	DataFile Name :	046CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.32	0.28	0.26	0.29	11.88	ppb
Lead	208-1	0.33	0.29	0.25	0.29	12.80	ppb
Lithium	6-1				107		%
Magnesium	24-2	-5.09	-5.31	-5.63	-5.34		ppb
Manganese	55-2	0.12	0.11	0.09	0.11	12.63	ppb
Molybdenum	94-1	0.36	0.27	0.25	0.29	20.34	ppb
Molybdenum	95-1	0.33	0.26	0.23	0.27	19.63	ppb
Molybdenum	96-1	0.32	0.26	0.23	0.27	17.98	ppb
Molybdenum	97-1	0.30	0.25	0.23	0.26	15.63	ppb
Molybdenum	98-1	0.32	0.26	0.21	0.26	21.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.11	-0.10	-0.06	-0.09		ppb
Phosphorus	31-2	-26.34	-25.69	-24.61	-25.55		ppb
Potassium	39-2	41.15	36.08	39.28	38.84	6.60	ppb
Rhodium	103-1				106		%
Rhodium	103-2				105		%
Scandium	45-1				105		%
Scandium	45-2				102		%
Selenium	82-1	0.06	0.07	-0.11	0.00	3164.53	ppb
Selenium	77-2	0.00	0.66	0.68	0.45	86.63	ppb
Selenium	78-2	-1.01	-0.81	0.58	-0.41		ppb
Silicon	28-1	13.08	10.20	8.33	10.54	22.73	ppb
Silver	107-1	0.07	0.07	0.05	0.06	13.94	ppb
Silver	109-1	0.07	0.06	0.05	0.06	15.67	ppb
Sodium	23-2	59.24	54.81	56.04	56.70	4.04	ppb
Strontium	86-1	0.05	0.02	0.03	0.03	45.87	ppb
Strontium	88-1	0.06	0.05	0.04	0.05	22.72	ppb
Sulfur	34-1	-583.90	-606.80	-572.01	-587.57		ppb
Terbium	159-1				108		%
Terbium	159-2				105		%
Thallium	203-1	0.05	0.05	0.05	0.05	6.06	ppb
Thallium	205-1	0.06	0.05	0.04	0.05	15.17	ppb
Tin	118-1	0.03	0.03	0.01	0.02	37.76	ppb
Titanium	47-1	0.31	0.18	0.16	0.21	38.82	ppb
Uranium	238-1	0.02	0.02	0.02	0.02	22.44	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P8
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:40:31	DataFile Name :	046CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.01	0.02	0.02	0.02	34.38	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				107		%
Yttrium	89-2				104		%
Zinc	66-2	0.02	-0.07	-0.09	-0.05		ppb
Zirconium	90-1	0.04	0.03	0.03	0.03	20.26	ppb
Zirconium	91-1	0.04	0.03	0.03	0.03	19.72	ppb

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:08:54	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	83	93	57	78	24.37	cps
Antimony	121-1	47	53	43	48	10.66	cps
Arsenic	75-2	7	3	10	7	50.03	cps
Barium	135-1	90	73	40	68	37.56	cps
Barium	137-1	113	97	120	110	10.92	cps
Beryllium	9-1	322	284	292	300	6.78	cps
Bismuth	209-1	12687442	12408795	12017571	12371269	2.72	cps
Bismuth	209-2	5590091	5543926	5472177	5535398	1.07	cps
Bromine	81-1	4117	4351	4317	4262	2.96	cps
Cadmium	108-1	30	17	7	18	65.83	cps
Cadmium	106-1	8203	8112	7992	8102	1.30	cps
Cadmium	111-1	5731	5690	5607	5676	1.12	cps
Calcium	43-1	740	673	657	690	6.39	cps
Calcium	44-1	34825	33716	34131	34224	1.64	cps
Carbon	12-1	6523192	6438822	6514982	6492332	0.72	cps
Carbon	12-2	42755	42511	43257	42841	0.89	cps
Chlorine	35-1	167429	168582	167665	167892	0.36	cps
Chlorine	35-2	740	697	633	690	7.78	cps
Chromium	52-2	1620	1657	1753	1677	4.11	cps
Cobalt	59-2	103	103	77	94	16.30	cps
Copper	63-2	3757	3697	3954	3803	3.53	cps
Dysprosium	156-1	20	17	17	18	10.81	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	137	70	107	104	31.97	cps
Erbium	164-2	30	43	17	30	44.43	cps
Gadolinium	160-1	140	137	123	133	6.61	cps
Gadolinium	160-2	33	23	13	23	42.86	cps
Holmium	165-1	19576447	18928803	18995399	19166883	1.86	cps
Holmium	165-2	7320354	7402202	7322349	7348301	0.64	cps
Indium	115-1	16078425	15651327	15531985	15753912	1.82	cps
Indium	115-2	1726312	1761309	1743754	1743792	1.00	cps
Iron	54-2	493	553	600	549	9.74	cps
Iron	56-2	6261	6838	7058	6719	6.13	cps
Iron	57-2	207	170	207	194	10.89	cps
Krypton	83-1	320	243	307	290	14.12	cps
Lead	206-1	1403	1283	1350	1346	4.47	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:08:54	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1180	1090	1107	1126	4.25	cps
Lead	208-1	5230	5074	5074	5126	1.76	cps
Lithium	6-1	9190100	9041663	8946823	9059529	1.35	cps
Magnesium	24-2	4534	4687	4731	4651	2.22	cps
Manganese	55-2	140	143	140	141	1.37	cps
Molybdenum	94-1	380	400	343	374	7.68	cps
Molybdenum	95-1	143	140	187	157	16.62	cps
Molybdenum	96-1	233	193	213	213	9.37	cps
Molybdenum	97-1	90	100	103	98	7.10	cps
Molybdenum	98-1	260	190	243	231	15.82	cps
Neodymium	150-1	13	10	10	11	17.30	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	720	750	677	716	5.15	cps
Phosphorus	31-2	123	83	123	110	21.00	cps
Potassium	39-2	13073	13520	13043	13212	2.02	cps
Rhodium	103-1	15724710	15158605	14868218	15250511	2.86	cps
Rhodium	103-2	6235829	6236249	6222405	6231494	0.13	cps
Scandium	45-1	11687784	11382066	11197510	11422453	2.17	cps
Scandium	45-2	234216	236027	232111	234118	0.84	cps
Selenium	82-1	27	20	13	20	33.32	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	10	30	10	17	69.28	cps
Silicon	28-1	650213	648416	649585	649405	0.14	cps
Silver	107-1	163	213	213	197	14.68	cps
Silver	109-1	107	90	90	96	10.07	cps
Sodium	23-2	55756	55910	55615	55760	0.26	cps
Strontium	86-1	420	513	577	503	15.66	cps
Strontium	88-1	330	380	373	361	7.52	cps
Sulfur	34-1	817571	819783	821251	819535	0.23	cps
Terbium	159-1	20399134	19494686	19538821	19810880	2.57	cps
Terbium	159-2	7125790	7085516	7032339	7081215	0.66	cps
Thallium	203-1	263	233	197	231	14.45	cps
Thallium	205-1	537	470	483	497	7.10	cps
Tin	118-1	2034	1957	2254	2081	7.41	cps
Titanium	47-1	253	250	237	247	3.58	cps
Uranium	238-1	97	93	130	107	19.01	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:08:54	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	7	10	3	7	50.03	cps
Ytterbium	172-1	80	140	77	99	36.04	cps
Ytterbium	172-2	23	53	63	47	44.61	cps
Ytterbium	176-1	2210	1900	1980	2030	7.93	cps
Ytterbium	176-2	413	460	497	457	9.15	cps
Yttrium	89-1	28625784	27692795	27314580	27877720	2.42	cps
Yttrium	89-2	2207354	2157535	2118957	2161282	2.05	cps
Zinc	66-2	340	327	343	337	2.62	cps
Zirconium	90-1	890	1033	877	933	9.31	cps
Zirconium	91-1	147	150	170	156	8.11	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:12:13	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1693	1720	1753	1722	1.75	cps
Antimony	121-1	35296	36468	35904	35889	1.63	cps
Arsenic	75-2	380	467	383	410	11.98	cps
Barium	135-1	40641	42396	41467	41501	2.12	cps
Barium	137-1	71769	72463	71417	71883	0.74	cps
Beryllium	9-1	7689	7584	7531	7601	1.06	cps
Bismuth	209-1	11927763	11910622	11979341	11939242	0.30	cps
Bismuth	209-2	5466224	5547573	5522066	5511954	0.75	cps
Bromine	81-1	4107	4324	3997	4143	4.01	cps
Cadmium	108-1	327	370	373	357	7.30	cps
Cadmium	106-1	8513	8346	8329	8396	1.21	cps
Cadmium	111-1	10378	9974	10230	10194	2.00	cps
Calcium	43-1	31825	31484	31294	31535	0.85	cps
Calcium	44-1	532733	531398	534648	532926	0.31	cps
Carbon	12-1	6816822	6724532	6798800	6780051	0.72	cps
Carbon	12-2	44460	44758	44634	44617	0.33	cps
Chlorine	35-1	170133	169645	167415	169064	0.86	cps
Chlorine	35-2	647	787	720	718	9.76	cps
Chromium	52-2	10240	10124	10524	10296	2.00	cps
Cobalt	59-2	9143	9060	9336	9180	1.55	cps
Copper	63-2	17087	16964	17064	17038	0.38	cps
Dysprosium	156-1	3	10	27	13	90.16	cps
Dysprosium	156-2	13	10	0	8	89.21	cps
Erbium	164-1	80	103	97	93	12.88	cps
Erbium	164-2	30	23	20	24	20.83	cps
Gadolinium	160-1	110	137	93	113	19.29	cps
Gadolinium	160-2	27	33	17	26	32.81	cps
Holmium	165-1	19109048	18600197	18898261	18869169	1.35	cps
Holmium	165-2	7200011	7243161	7326745	7256639	0.89	cps
Indium	115-1	15660500	15423472	15227593	15437189	1.40	cps
Indium	115-2	1687469	1721838	1672260	1693856	1.50	cps
Iron	54-2	9653	10044	9890	9862	1.99	cps
Iron	56-2	172243	172263	172914	172473	0.22	cps
Iron	57-2	4097	4164	4407	4223	3.86	cps
Krypton	83-1	237	253	307	266	13.77	cps
Lead	206-1	14872	14688	15246	14935	1.90	cps

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:12:13	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	12870	12940	12880	12897	0.29	cps
Lead	208-1	58816	58559	59263	58879	0.61	cps
Lithium	6-1	9299891	9137682	9178154	9205242	0.92	cps
Magnesium	24-2	155032	154737	154055	154608	0.32	cps
Manganese	55-2	1787	1943	2024	1918	6.28	cps
Molybdenum	94-1	37480	36588	37397	37155	1.33	cps
Molybdenum	95-1	44581	44652	43775	44336	1.10	cps
Molybdenum	96-1	49317	49103	48990	49136	0.34	cps
Molybdenum	97-1	27594	28426	27931	27984	1.50	cps
Molybdenum	98-1	70468	71737	71624	71276	0.99	cps
Neodymium	150-1	7	17	10	11	45.82	cps
Neodymium	150-2	7	0	0	2	173.21	cps
Nickel	60-2	2930	3217	3017	3055	4.81	cps
Phosphorus	31-2	237	227	283	249	12.15	cps
Potassium	39-2	96795	97778	97412	97328	0.51	cps
Rhodium	103-1	15160082	14782991	14673069	14872048	1.72	cps
Rhodium	103-2	6142732	6108689	6137901	6129774	0.30	cps
Scandium	45-1	11218829	11334741	11185468	11246346	0.70	cps
Scandium	45-2	234368	234026	232668	233688	0.38	cps
Selenium	82-1	1360	1320	1320	1333	1.73	cps
Selenium	77-2	10	27	27	21	45.58	cps
Selenium	78-2	90	100	63	84	22.45	cps
Silicon	28-1	743633	745218	743436	744096	0.13	cps
Silver	107-1	21834	22178	21724	21912	1.08	cps
Silver	109-1	20656	20739	20362	20586	0.96	cps
Sodium	23-2	350301	351614	347612	349842	0.58	cps
Strontium	86-1	6438	6465	6058	6320	3.60	cps
Strontium	88-1	50555	50635	50531	50573	0.11	cps
Sulfur	34-1	822207	818598	820516	820440	0.22	cps
Terbium	159-1	19467270	19182427	19664769	19438155	1.25	cps
Terbium	159-2	7094421	6929271	7086172	7036621	1.32	cps
Thallium	203-1	16410	16547	16951	16636	1.69	cps
Thallium	205-1	40817	41045	40439	40767	0.75	cps
Tin	118-1	72933	74162	71988	73028	1.49	cps
Titanium	47-1	14547	14671	14931	14717	1.33	cps
Uranium	238-1	52066	51347	51895	51769	0.73	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:12:13	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	16763	16960	17564	17096	2.44	cps
Ytterbium	172-1	87	107	87	93	12.37	cps
Ytterbium	172-2	30	43	47	40	22.05	cps
Ytterbium	176-1	1910	1960	1974	1948	1.71	cps
Ytterbium	176-2	460	417	407	428	6.63	cps
Yttrium	89-1	27694785	27198152	27144286	27345741	1.11	cps
Yttrium	89-2	2134364	2127309	2123293	2128322	0.26	cps
Zinc	66-2	3877	3554	3914	3782	5.24	cps
Zirconium	90-1	31506	31729	30797	31344	1.55	cps
Zirconium	91-1	6792	6938	6772	6834	1.33	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:15:34	DataFile Name :	006CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	76902	75967	77488	76785	1.00	cps
Antimony	121-1	807781	824975	824898	819218	1.21	cps
Arsenic	75-2	17931	18365	17871	18056	1.49	cps
Barium	135-1	933796	944802	952074	943557	0.98	cps
Barium	137-1	1700084	1692808	1700792	1697894	0.26	cps
Beryllium	9-1	325587	323914	327765	325755	0.59	cps
Bismuth	209-1	11835766	12161966	11970761	11989498	1.37	cps
Bismuth	209-2	5398042	5514635	5447123	5453267	1.07	cps
Bromine	81-1	3914	4184	4117	4072	3.46	cps
Cadmium	108-1	16550	16540	16607	16566	0.22	cps
Cadmium	106-1	30931	31763	31596	31430	1.40	cps
Cadmium	111-1	206016	210430	208335	208260	1.06	cps
Calcium	43-1	279484	284574	284769	282942	1.06	cps
Calcium	44-1	4608063	4661574	4639445	4636360	0.58	cps
Carbon	12-1	6692741	6705147	6561408	6653099	1.20	cps
Carbon	12-2	43835	43504	44149	43830	0.74	cps
Chlorine	35-1	162871	164516	164253	163880	0.54	cps
Chlorine	35-2	647	703	710	687	5.07	cps
Chromium	52-2	199004	200509	199569	199694	0.38	cps
Cobalt	59-2	383697	382332	381978	382669	0.24	cps
Copper	63-2	3090471	3054817	3051463	3065584	0.71	cps
Dysprosium	156-1	40	13	20	24	56.78	cps
Dysprosium	156-2	7	0	0	2	173.21	cps
Erbium	164-1	117	127	100	114	11.77	cps
Erbium	164-2	30	30	40	33	17.32	cps
Gadolinium	160-1	107	127	117	117	8.57	cps
Gadolinium	160-2	40	47	37	41	12.39	cps
Holmium	165-1	19012369	19190135	18718934	18973813	1.25	cps
Holmium	165-2	7191441	7246191	7200843	7212825	0.41	cps
Indium	115-1	15301153	15311431	15203623	15272069	0.39	cps
Indium	115-2	1665123	1692534	1671187	1676281	0.86	cps
Iron	54-2	416819	413441	411730	413997	0.63	cps
Iron	56-2	7660377	7624959	7593015	7626117	0.44	cps
Iron	57-2	189643	188968	187253	188621	0.65	cps
Krypton	83-1	297	277	283	286	3.57	cps
Lead	206-1	3296562	3454928	3273388	3341626	2.96	cps

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:15:34	DataFile Name :	006CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2896020	2895300	2841789	2877703	1.08	cps
Lead	208-1	13149489	13281827	13159514	13196943	0.56	cps
Lithium	6-1	8939248	9047798	8934731	8973926	0.71	cps
Magnesium	24-2	1406035	1412346	1393147	1403843	0.70	cps
Manganese	55-2	819890	814643	809044	814526	0.67	cps
Molybdenum	94-1	2943652	2953261	3021521	2972811	1.43	cps
Molybdenum	95-1	4165845	4196403	4248030	4203426	0.99	cps
Molybdenum	96-1	4645531	4652966	4587662	4628720	0.77	cps
Molybdenum	97-1	2634805	2634740	2629880	2633142	0.11	cps
Molybdenum	98-1	6823703	6758403	6859083	6813730	0.75	cps
Neodymium	150-1	67	47	80	64	26.03	cps
Neodymium	150-2	7	3	7	6	34.70	cps
Nickel	60-2	112762	111287	112187	112079	0.66	cps
Phosphorus	31-2	3867	3821	4297	3995	6.58	cps
Potassium	39-2	397581	403941	401401	400974	0.80	cps
Rhodium	103-1	14638919	14767211	14665422	14690517	0.46	cps
Rhodium	103-2	6122866	6103946	6135153	6120655	0.26	cps
Scandium	45-1	11138606	11168416	11104516	11137179	0.29	cps
Scandium	45-2	227896	234682	231418	231332	1.47	cps
Selenium	82-1	12296	12729	12756	12594	2.05	cps
Selenium	77-2	247	233	263	248	6.07	cps
Selenium	78-2	767	827	793	796	3.78	cps
Silicon	28-1	1333068	1325585	1333664	1330773	0.34	cps
Silver	107-1	1022429	1040561	1049033	1037341	1.31	cps
Silver	109-1	971385	990638	1001329	987784	1.54	cps
Sodium	23-2	2824033	2802814	2839326	2822058	0.65	cps
Strontium	86-1	261062	264339	264933	263444	0.79	cps
Strontium	88-1	2344980	2351538	2393725	2363414	1.12	cps
Sulfur	34-1	899444	903884	916205	906511	0.96	cps
Terbium	159-1	19335883	19369718	19484296	19396632	0.40	cps
Terbium	159-2	7073252	7160590	7048179	7094007	0.83	cps
Thallium	203-1	764074	773910	773243	770409	0.71	cps
Thallium	205-1	1930439	1971279	1914521	1938746	1.51	cps
Tin	118-1	642239	650003	654539	648927	0.96	cps
Titanium	47-1	1339447	1329370	1364097	1344305	1.33	cps
Uranium	238-1	2578460	2541458	2594587	2571502	1.06	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:15:34	DataFile Name :	006CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	155130	154079	154797	154669	0.35	cps
Ytterbium	172-1	93	103	150	116	26.17	cps
Ytterbium	172-2	53	50	43	49	10.42	cps
Ytterbium	176-1	5641	5561	5635	5612	0.79	cps
Ytterbium	176-2	1820	1767	1927	1838	4.43	cps
Yttrium	89-1	27065522	27259007	26710217	27011582	1.03	cps
Yttrium	89-2	2144967	2116402	2117085	2126151	0.77	cps
Zinc	66-2	331249	331555	326534	329779	0.85	cps
Zirconium	90-1	1460893	1451483	1463502	1458626	0.43	cps
Zirconium	91-1	309048	314236	312497	311927	0.85	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:18:35	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	193877	190956	191372	192068	0.82	cps
Antimony	121-1	2169553	2194597	2137857	2167335	1.31	cps
Arsenic	75-2	45433	45530	44804	45256	0.87	cps
Barium	135-1	2511539	2544399	2471544	2509160	1.45	cps
Barium	137-1	4318725	4301247	4219059	4279677	1.24	cps
Beryllium	9-1	806154	806252	809287	807231	0.22	cps
Bismuth	209-1	11877260	11853650	11862171	11864361	0.10	cps
Bismuth	209-2	5447065	5415724	5363961	5408916	0.78	cps
Bromine	81-1	3894	3907	3917	3906	0.30	cps
Cadmium	108-1	40540	41439	41910	41296	1.69	cps
Cadmium	106-1	64584	65692	66466	65580	1.44	cps
Cadmium	111-1	511059	517407	513664	514043	0.62	cps
Calcium	43-1	699980	706962	702906	703283	0.50	cps
Calcium	44-1	11516512	11474933	11481604	11491016	0.19	cps
Carbon	12-1	6874349	6811520	6840031	6841967	0.46	cps
Carbon	12-2	46015	45126	45440	45527	0.99	cps
Chlorine	35-1	163724	165187	164152	164354	0.46	cps
Chlorine	35-2	653	743	703	700	6.44	cps
Chromium	52-2	499047	491595	494763	495135	0.76	cps
Cobalt	59-2	954855	945248	944294	948132	0.62	cps
Copper	63-2	7624644	7489549	7470749	7528314	1.12	cps
Dysprosium	156-1	57	43	40	47	18.90	cps
Dysprosium	156-2	17	17	7	13	43.29	cps
Erbium	164-1	107	110	153	123	21.11	cps
Erbium	164-2	47	47	40	44	8.66	cps
Gadolinium	160-1	127	103	143	124	16.15	cps
Gadolinium	160-2	37	27	63	42	44.88	cps
Holmium	165-1	19262056	19286355	19143761	19230724	0.40	cps
Holmium	165-2	7225447	7350370	7338438	7304752	0.94	cps
Indium	115-1	15820383	15281839	15120666	15407629	2.38	cps
Indium	115-2	1666782	1677667	1641719	1662056	1.11	cps
Iron	54-2	1028540	1036762	1025861	1030388	0.55	cps
Iron	56-2	19166762	19227368	19128350	19174160	0.26	cps
Iron	57-2	468557	467330	469415	468434	0.22	cps
Krypton	83-1	307	327	253	296	12.83	cps
Lead	206-1	8223248	8126124	8332885	8227419	1.26	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:18:35	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	7123233	7095846	7175695	7131591	0.57	cps
Lead	208-1	32692933	32655559	32893121	32747204	0.39	cps
Lithium	6-1	9113070	8828403	8946927	8962800	1.60	cps
Magnesium	24-2	3517181	3512300	3482847	3504109	0.53	cps
Manganese	55-2	2116544	2142110	2091866	2116840	1.19	cps
Molybdenum	94-1	7479824	7388772	7400807	7423135	0.67	cps
Molybdenum	95-1	10765388	10459877	10390353	10538539	1.89	cps
Molybdenum	96-1	11520461	11631956	11641710	11598042	0.58	cps
Molybdenum	97-1	6509587	6554995	6668857	6577813	1.25	cps
Molybdenum	98-1	17093170	17121919	17142454	17119181	0.14	cps
Neodymium	150-1	193	177	163	178	8.45	cps
Neodymium	150-2	10	17	13	13	25.01	cps
Nickel	60-2	282822	280594	280322	281246	0.49	cps
Phosphorus	31-2	9740	9597	9870	9736	1.41	cps
Potassium	39-2	990467	986919	997234	991540	0.53	cps
Rhodium	103-1	14448862	14641091	14839595	14643183	1.33	cps
Rhodium	103-2	5992628	6011513	5953737	5985959	0.49	cps
Scandium	45-1	11289297	10982245	10814854	11028798	2.18	cps
Scandium	45-2	232390	229957	230320	230889	0.57	cps
Selenium	82-1	31379	32198	31877	31818	1.30	cps
Selenium	77-2	573	607	597	592	2.89	cps
Selenium	78-2	1987	2157	2014	2052	4.46	cps
Silicon	28-1	2383960	2353096	2358571	2365209	0.70	cps
Silver	107-1	2773607	2727474	2677264	2726115	1.77	cps
Silver	109-1	2564647	2564938	2555087	2561557	0.22	cps
Sodium	23-2	7058828	6887322	6922784	6956311	1.30	cps
Strontium	86-1	660068	662981	666273	663107	0.47	cps
Strontium	88-1	6053057	5909576	5923227	5961953	1.33	cps
Sulfur	34-1	1013142	1003637	1010874	1009218	0.49	cps
Terbium	159-1	19918388	19606890	19589411	19704896	0.94	cps
Terbium	159-2	7074712	7057285	7074950	7068982	0.14	cps
Thallium	203-1	2014968	1984472	2034057	2011166	1.24	cps
Thallium	205-1	4790188	4721904	4833609	4781900	1.18	cps
Tin	118-1	1683997	1663466	1668204	1671889	0.64	cps
Titanium	47-1	3358030	3375340	3297974	3343782	1.21	cps
Uranium	238-1	6435390	6545257	6403118	6461255	1.15	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:18:35	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	389348	387200	388562	388370	0.28	cps
Ytterbium	172-1	143	110	107	120	16.90	cps
Ytterbium	172-2	33	77	83	64	42.13	cps
Ytterbium	176-1	10878	10524	10808	10737	1.74	cps
Ytterbium	176-2	3917	3897	3967	3927	0.92	cps
Yttrium	89-1	27637518	27440120	27151227	27409622	0.89	cps
Yttrium	89-2	2127871	2124015	2128684	2126857	0.12	cps
Zinc	66-2	831155	826060	821682	826299	0.57	cps
Zirconium	90-1	3648040	3683064	3737210	3689438	1.22	cps
Zirconium	91-1	787803	787470	793271	789515	0.41	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:21:31	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	381059	381194	382460	381571	0.20	cps
Antimony	121-1	4419238	4461247	4466045	4448844	0.58	cps
Arsenic	75-2	90974	90133	90729	90612	0.48	cps
Barium	135-1	4980895	4972792	5003519	4985736	0.32	cps
Barium	137-1	8541745	8519364	8585601	8548903	0.39	cps
Beryllium	9-1	1655284	1622470	1662153	1646635	1.29	cps
Bismuth	209-1	11613407	11899130	12074759	11862432	1.96	cps
Bismuth	209-2	5284012	5325879	5318270	5309387	0.42	cps
Bromine	81-1	4054	3931	4114	4033	2.32	cps
Cadmium	108-1	83011	83980	83517	83503	0.58	cps
Cadmium	106-1	123836	124983	125793	124871	0.79	cps
Cadmium	111-1	1014249	1037527	1028731	1026836	1.14	cps
Calcium	43-1	1448233	1455161	1439301	1447565	0.55	cps
Calcium	44-1	22860559	23504805	22951699	23105688	1.51	cps
Carbon	12-1	7008747	7090515	7073649	7057637	0.61	cps
Carbon	12-2	48192	47553	47747	47831	0.68	cps
Chlorine	35-1	171994	172147	170824	171655	0.42	cps
Chlorine	35-2	710	663	767	713	7.25	cps
Chromium	52-2	984754	982090	987478	984774	0.27	cps
Cobalt	59-2	1949773	1937294	1938637	1941901	0.35	cps
Copper	63-2	15035412	14897120	14874844	14935792	0.58	cps
Dysprosium	156-1	113	103	90	102	11.45	cps
Dysprosium	156-2	23	17	7	16	53.90	cps
Erbium	164-1	147	130	160	146	10.33	cps
Erbium	164-2	53	57	67	59	11.79	cps
Gadolinium	160-1	160	163	183	169	7.47	cps
Gadolinium	160-2	60	27	23	37	55.30	cps
Holmium	165-1	18675645	19078671	19463348	19072555	2.07	cps
Holmium	165-2	7188799	7196428	7298354	7227861	0.85	cps
Indium	115-1	14890826	15070943	15427654	15129808	1.81	cps
Indium	115-2	1643980	1635226	1623831	1634346	0.62	cps
Iron	54-2	2140432	2078215	2092129	2103592	1.55	cps
Iron	56-2	38666761	38402314	37688142	38252406	1.32	cps
Iron	57-2	945072	932857	927664	935198	0.96	cps
Krypton	83-1	233	240	217	230	5.22	cps
Lead	206-1	16632424	16721463	16874753	16742880	0.73	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:21:31	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	14199802	14359754	14482513	14347356	0.99	cps
Lead	208-1	65906237	66069131	66833915	66269761	0.75	cps
Lithium	6-1	8844325	8711131	8839599	8798352	0.86	cps
Magnesium	24-2	6893702	6830540	6961069	6895104	0.95	cps
Manganese	55-2	4170857	4156464	4156385	4161235	0.20	cps
Molybdenum	94-1	15007301	14845417	15143077	14998598	0.99	cps
Molybdenum	95-1	21112342	21261318	21272688	21215449	0.42	cps
Molybdenum	96-1	23177749	23352015	23149916	23226560	0.47	cps
Molybdenum	97-1	13119514	13235765	13117499	13157593	0.51	cps
Molybdenum	98-1	34436208	34190959	34126944	34251371	0.48	cps
Neodymium	150-1	293	317	277	296	6.80	cps
Neodymium	150-2	7	3	7	6	34.70	cps
Nickel	60-2	555487	554863	554589	554980	0.08	cps
Phosphorus	31-2	19850	19353	20164	19789	2.07	cps
Potassium	39-2	2049243	1999633	1989388	2012755	1.59	cps
Rhodium	103-1	14035049	14335741	14421507	14264099	1.42	cps
Rhodium	103-2	5915791	5877862	5838446	5877366	0.66	cps
Scandium	45-1	10778364	10913377	10980519	10890753	0.95	cps
Scandium	45-2	229693	226490	229506	228563	0.79	cps
Selenium	82-1	64147	64452	64344	64314	0.24	cps
Selenium	77-2	1197	1257	1243	1232	2.56	cps
Selenium	78-2	4141	4044	4114	4100	1.22	cps
Silicon	28-1	4019170	4097336	4077675	4064727	1.00	cps
Silver	107-1	5405798	5395142	5456702	5419214	0.61	cps
Silver	109-1	5094150	5090509	5127782	5104147	0.40	cps
Sodium	23-2	13899727	13566310	13840921	13768986	1.29	cps
Strontium	86-1	1337419	1332866	1340730	1337005	0.30	cps
Strontium	88-1	11764634	11889991	11706445	11787023	0.80	cps
Sulfur	34-1	1215129	1207730	1198612	1207157	0.69	cps
Terbium	159-1	19326943	19237876	19995523	19520114	2.12	cps
Terbium	159-2	6959400	7011956	7027230	6999528	0.51	cps
Thallium	203-1	4090005	4092546	4134062	4105538	0.60	cps
Thallium	205-1	9663443	9821273	9728497	9737738	0.81	cps
Tin	118-1	3352786	3314541	3395184	3354170	1.20	cps
Titanium	47-1	6570723	6797782	6685795	6684766	1.70	cps
Uranium	238-1	13089032	13126832	13214494	13143453	0.49	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:21:31	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	775431	775648	776082	775720	0.04	cps
Ytterbium	172-1	177	137	193	169	17.24	cps
Ytterbium	172-2	43	70	57	57	23.53	cps
Ytterbium	176-1	20483	20115	20433	20344	0.98	cps
Ytterbium	176-2	7349	7732	7562	7548	2.55	cps
Yttrium	89-1	26733145	26821661	27182710	26912505	0.88	cps
Yttrium	89-2	2066380	2042858	2106914	2072050	1.56	cps
Zinc	66-2	1730467	1685408	1683784	1699887	1.56	cps
Zirconium	90-1	7359632	7312209	7438462	7370101	0.87	cps
Zirconium	91-1	1625969	1656503	1659039	1647171	1.12	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:24:18	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	727753	723308	725074	725378	0.31	cps
Antimony	121-1	8031599	8154392	8195334	8127108	1.05	cps
Arsenic	75-2	172471	172846	175407	173575	0.92	cps
Barium	135-1	9502127	9612055	9662770	9592318	0.86	cps
Barium	137-1	16615159	16896466	16638979	16716868	0.93	cps
Beryllium	9-1	3023153	3083444	3091009	3065869	1.21	cps
Bismuth	209-1	11582195	11429356	11505717	11505756	0.66	cps
Bismuth	209-2	5049446	4948859	5090762	5029689	1.45	cps
Bromine	81-1	4087	3587	3707	3794	6.88	cps
Cadmium	108-1	157731	157316	157327	157458	0.15	cps
Cadmium	106-1	229136	231388	231141	230555	0.54	cps
Cadmium	111-1	2007686	1990481	2025456	2007874	0.87	cps
Calcium	43-1	2691881	2789869	2728031	2736594	1.81	cps
Calcium	44-1	44298696	44449201	43872994	44206964	0.68	cps
Carbon	12-1	7033492	7243901	7325016	7200803	2.09	cps
Carbon	12-2	50159	48988	49995	49714	1.28	cps
Chlorine	35-1	174383	175438	175995	175272	0.47	cps
Chlorine	35-2	733	703	743	727	2.86	cps
Chromium	52-2	1986624	1933539	1951569	1957244	1.38	cps
Cobalt	59-2	3680440	3661378	3637459	3659759	0.59	cps
Copper	63-2	28212889	28561340	28385672	28386633	0.61	cps
Dysprosium	156-1	193	193	210	199	4.84	cps
Dysprosium	156-2	20	37	33	30	29.40	cps
Erbium	164-1	207	203	173	194	9.44	cps
Erbium	164-2	73	50	40	54	31.42	cps
Gadolinium	160-1	190	213	163	189	13.24	cps
Gadolinium	160-2	53	83	57	64	25.51	cps
Holmium	165-1	18901695	18493068	18928987	18774584	1.30	cps
Holmium	165-2	7031421	6963298	6941002	6978574	0.67	cps
Indium	115-1	14877403	14449438	14617891	14648244	1.47	cps
Indium	115-2	1575008	1512139	1534004	1540384	2.07	cps
Iron	54-2	3962709	4012106	4064910	4013242	1.27	cps
Iron	56-2	73048947	72054507	71817714	72307056	0.90	cps
Iron	57-2	1853118	1887142	1861979	1867413	0.95	cps
Krypton	83-1	290	377	263	310	19.11	cps
Lead	206-1	32053124	32019266	31903926	31992105	0.24	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:24:18	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	27491291	27347154	27891644	27576696	1.02	cps
Lead	208-1	126317807	126507011	127477116	126767311	0.49	cps
Lithium	6-1	8725884	8452820	8433873	8537526	1.91	cps
Magnesium	24-2	13265646	13040299	13123584	13143177	0.87	cps
Manganese	55-2	7926696	7778140	7824667	7843168	0.97	cps
Molybdenum	94-1	28696967	29070750	28841675	28869797	0.65	cps
Molybdenum	95-1	40650788	41437959	41113407	41067385	0.96	cps
Molybdenum	96-1	45015996	45173254	44873923	45021058	0.33	cps
Molybdenum	97-1	25328836	25329551	25289345	25315911	0.09	cps
Molybdenum	98-1	65634089	66393877	66560194	66196053	0.75	cps
Neodymium	150-1	543	550	550	548	0.70	cps
Neodymium	150-2	27	17	23	22	22.91	cps
Nickel	60-2	964537	973448	960700	966228	0.68	cps
Phosphorus	31-2	36255	36439	36061	36252	0.52	cps
Potassium	39-2	3730959	3738105	3724100	3731055	0.19	cps
Rhodium	103-1	13921268	13730898	13655629	13769265	0.99	cps
Rhodium	103-2	5654421	5534422	5562181	5583675	1.13	cps
Scandium	45-1	11063815	10568811	10661791	10764806	2.44	cps
Scandium	45-2	218499	212627	214273	215133	1.41	cps
Selenium	82-1	119933	121178	122290	121134	0.97	cps
Selenium	77-2	2310	2450	2324	2361	3.27	cps
Selenium	78-2	7559	7695	7846	7700	1.86	cps
Silicon	28-1	7081938	7092899	7210499	7128446	1.00	cps
Silver	107-1	10097623	10380950	10264373	10247648	1.39	cps
Silver	109-1	9469597	9709371	9664031	9614333	1.32	cps
Sodium	23-2	26735208	25808874	26123570	26222551	1.80	cps
Strontium	86-1	2639480	2710345	2686230	2678685	1.35	cps
Strontium	88-1	22863448	23146054	22889815	22966439	0.68	cps
Sulfur	34-1	1542131	1516409	1537580	1532040	0.90	cps
Terbium	159-1	19476427	19247160	19390062	19371216	0.60	cps
Terbium	159-2	6821970	6712442	6649922	6728111	1.29	cps
Thallium	203-1	7878319	7714251	7874703	7822425	1.20	cps
Thallium	205-1	18604544	18508286	18488872	18533901	0.33	cps
Tin	118-1	6343602	6494097	6598557	6478752	1.98	cps
Titanium	47-1	12756625	13049561	12834451	12880212	1.18	cps
Uranium	238-1	24700718	25665374	25619500	25328531	2.15	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:24:18	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1555910	1543795	1525819	1541841	0.98	cps
Ytterbium	172-1	183	143	257	194	29.56	cps
Ytterbium	172-2	90	83	70	81	12.55	cps
Ytterbium	176-1	37901	38262	38122	38095	0.48	cps
Ytterbium	176-2	14672	14592	14411	14558	0.92	cps
Yttrium	89-1	26879671	26689068	26376425	26648388	0.95	cps
Yttrium	89-2	2032356	1973964	1980411	1995577	1.60	cps
Zinc	66-2	3090335	3087282	3021703	3066440	1.26	cps
Zirconium	90-1	14130179	14359657	14324793	14271543	0.87	cps
Zirconium	91-1	3176736	3251431	3240024	3222730	1.25	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:27:05	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1478227	1490745	1475104	1481359	0.56	cps
Antimony	121-1	15907673	16086655	16293804	16096044	1.20	cps
Arsenic	75-2	347031	347402	347645	347359	0.09	cps
Barium	135-1	18865895	19081466	19373907	19107089	1.33	cps
Barium	137-1	32713920	33547877	33287565	33183121	1.29	cps
Beryllium	9-1	5966290	5970200	6002875	5979788	0.34	cps
Bismuth	209-1	11500362	11378110	11343770	11407414	0.72	cps
Bismuth	209-2	5047653	5031844	5011660	5030385	0.36	cps
Bromine	81-1	4027	4074	3944	4015	1.64	cps
Cadmium	108-1	313042	317158	314054	314751	0.68	cps
Cadmium	106-1	445752	450501	455094	450449	1.04	cps
Cadmium	111-1	3934869	3987633	4003151	3975218	0.90	cps
Calcium	43-1	5326185	5392213	5507480	5408626	1.70	cps
Calcium	44-1	87272235	88191302	88996792	88153443	0.98	cps
Carbon	12-1	7888259	8179511	8221453	8096408	2.24	cps
Carbon	12-2	57833	58128	57639	57867	0.43	cps
Chlorine	35-1	194829	197164	200883	197625	1.54	cps
Chlorine	35-2	923	840	867	877	4.86	cps
Chromium	52-2	3884849	3926358	3794061	3868423	1.75	cps
Cobalt	59-2	7252536	7210068	7259606	7240737	0.37	cps
Copper	63-2	54925471	54897134	55734334	55185646	0.86	cps
Dysprosium	156-1	283	357	347	329	12.09	cps
Dysprosium	156-2	63	43	70	59	23.57	cps
Erbium	164-1	220	263	277	253	11.70	cps
Erbium	164-2	83	103	60	82	26.38	cps
Gadolinium	160-1	237	227	260	241	7.10	cps
Gadolinium	160-2	57	93	83	78	24.37	cps
Holmium	165-1	18892438	18834016	18792289	18839581	0.27	cps
Holmium	165-2	7080777	7083308	7169958	7111348	0.71	cps
Indium	115-1	14536549	14542521	14592191	14557087	0.21	cps
Indium	115-2	1530754	1538144	1503099	1523999	1.21	cps
Iron	54-2	7794851	7808987	7948302	7850713	1.08	cps
Iron	56-2	141539905	142594408	141166445	141766919	0.52	cps
Iron	57-2	3695126	3669716	3573579	3646140	1.76	cps
Krypton	83-1	283	333	267	294	11.78	cps
Lead	206-1	62484467	62949192	63782509	63072056	1.04	cps

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:27:05	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	53857091	54405836	54647956	54303628	0.75	cps
Lead	208-1	249516203	252277136	252779603	251524314	0.70	cps
Lithium	6-1	8490599	8333754	8275242	8366532	1.33	cps
Magnesium	24-2	25617554	26083670	25771685	25824303	0.92	cps
Manganese	55-2	15824795	15678609	15717569	15740325	0.48	cps
Molybdenum	94-1	56493969	57868816	57331447	57231411	1.21	cps
Molybdenum	95-1	81228515	81241000	82365267	81611594	0.80	cps
Molybdenum	96-1	90332749	89159999	90884615	90125788	0.98	cps
Molybdenum	97-1	51047141	50345018	50960299	50784153	0.75	cps
Molybdenum	98-1	132223608	133286628	131936935	132482390	0.54	cps
Neodymium	150-1	1300	1077	1217	1198	9.42	cps
Neodymium	150-2	43	43	43	43	0.00	cps
Nickel	60-2	2020771	2000205	2025026	2015334	0.66	cps
Phosphorus	31-2	71384	72480	71344	71736	0.90	cps
Potassium	39-2	7465606	7562649	7420809	7483021	0.97	cps
Rhodium	103-1	13621097	13356727	13479736	13485853	0.98	cps
Rhodium	103-2	5553290	5558051	5568447	5559929	0.14	cps
Scandium	45-1	10601975	10574972	10654746	10610564	0.38	cps
Scandium	45-2	222625	220469	220681	221259	0.54	cps
Selenium	82-1	238832	240033	243009	240625	0.89	cps
Selenium	77-2	4524	4451	4311	4429	2.45	cps
Selenium	78-2	15348	15652	15582	15528	1.02	cps
Silicon	28-1	13213174	13251026	13020754	13161651	0.94	cps
Silver	107-1	20086364	20145731	20182981	20138359	0.24	cps
Silver	109-1	19026341	18764733	18898842	18896639	0.69	cps
Sodium	23-2	51830029	52090336	51002531	51640965	1.10	cps
Strontium	86-1	5219753	5362695	5245694	5276047	1.44	cps
Strontium	88-1	45755314	45963693	45604576	45774528	0.39	cps
Sulfur	34-1	2219528	2247102	2216188	2227606	0.76	cps
Terbium	159-1	19255737	18936896	19373706	19188780	1.18	cps
Terbium	159-2	6799196	6883486	6790911	6824531	0.75	cps
Thallium	203-1	15399515	15463684	15541301	15468167	0.46	cps
Thallium	205-1	36949323	36725365	37178799	36951163	0.61	cps
Tin	118-1	12716397	12825915	12882971	12808428	0.66	cps
Titanium	47-1	25815693	25659760	25777973	25751142	0.32	cps
Uranium	238-1	51111966	52042983	51006356	51387101	1.11	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:27:05	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	3062741	3048036	3090576	3067118	0.70	cps
Ytterbium	172-1	203	310	267	260	20.63	cps
Ytterbium	172-2	127	87	87	100	23.09	cps
Ytterbium	176-1	74244	75390	74371	74668	0.84	cps
Ytterbium	176-2	27936	28802	28180	28306	1.58	cps
Yttrium	89-1	26853554	26529204	25938540	26440433	1.75	cps
Yttrium	89-2	2030607	2037754	2006209	2024857	0.82	cps
Zinc	66-2	5980741	5995489	5979827	5985352	0.15	cps
Zirconium	90-1	27928636	28703199	28526435	28386090	1.43	cps
Zirconium	91-1	6270988	6313724	6395916	6326876	1.00	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:29:51	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7111375	7184102	7096579	7130685	0.66	cps
Antimony	121-1	6535	6168	6161	6288	3.40	cps
Arsenic	75-2	243	223	210	226	7.44	cps
Barium	135-1	7282	6648	6952	6961	4.55	cps
Barium	137-1	12633	12566	12102	12434	2.32	cps
Beryllium	9-1	2267	1861	1941	2023	10.64	cps
Bismuth	209-1	9670068	9786847	9792358	9749757	0.71	cps
Bismuth	209-2	4450812	4524946	4476082	4483946	0.84	cps
Bromine	81-1	4034	4011	4047	4031	0.46	cps
Cadmium	108-1	183	230	187	200	13.02	cps
Cadmium	106-1	7129	7132	7325	7195	1.57	cps
Cadmium	111-1	5595	5558	5644	5599	0.77	cps
Calcium	43-1	25593620	25477560	25558408	25543196	0.23	cps
Calcium	44-1	419534207	422284234	417417994	419745478	0.58	cps
Carbon	12-1	6960702	6987123	7061879	7003235	0.75	cps
Carbon	12-2	62987	61150	61471	61869	1.59	cps
Chlorine	35-1	157330	155906	155033	156090	0.74	cps
Chlorine	35-2	723	657	693	691	4.83	cps
Chromium	52-2	9430	9707	9256	9464	2.40	cps
Cobalt	59-2	15545	14908	15121	15192	2.14	cps
Copper	63-2	11111	11418	11501	11344	1.81	cps
Dysprosium	156-1	683	597	490	590	16.41	cps
Dysprosium	156-2	210	230	203	214	6.47	cps
Erbium	164-1	737	740	743	740	0.45	cps
Erbium	164-2	267	270	247	261	4.83	cps
Gadolinium	160-1	643	683	643	657	3.52	cps
Gadolinium	160-2	323	250	287	287	12.79	cps
Holmium	165-1	17356685	17234881	17063709	17218425	0.85	cps
Holmium	165-2	6709295	6650980	6710052	6690109	0.51	cps
Indium	115-1	12978444	12888503	12686119	12851022	1.17	cps
Indium	115-2	1400862	1404760	1406715	1404112	0.21	cps
Iron	54-2	37101010	36692526	37519987	37104508	1.12	cps
Iron	56-2	676287577	676177683	685610176	679358479	0.80	cps
Iron	57-2	16953199	17027901	17233096	17071399	0.85	cps
Krypton	83-1	313	263	380	319	18.35	cps
Lead	206-1	15286	14758	14966	15003	1.77	cps

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:29:51	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	12940	13067	12543	12850	2.13	cps
Lead	208-1	59474	59497	58332	59101	1.13	cps
Lithium	6-1	7415734	7469342	7465492	7450189	0.40	cps
Magnesium	24-2	122631098	123869295	124557435	123685943	0.79	cps
Manganese	55-2	6965	6605	6998	6856	3.18	cps
Molybdenum	94-1	24989	24465	23483	24312	3.14	cps
Molybdenum	95-1	12559	11435	11755	11916	4.86	cps
Molybdenum	96-1	16697	16033	15385	16038	4.09	cps
Molybdenum	97-1	7319	6969	6502	6930	5.92	cps
Molybdenum	98-1	18599	17231	16807	17546	5.34	cps
Neodymium	150-1	300	350	313	321	8.06	cps
Neodymium	150-2	77	73	73	74	2.59	cps
Nickel	60-2	6538	6465	6535	6513	0.64	cps
Phosphorus	31-2	123	83	127	111	21.71	cps
Potassium	39-2	36181777	36639506	36616581	36479288	0.71	cps
Rhodium	103-1	11579544	11707732	11582169	11623149	0.63	cps
Rhodium	103-2	4949688	4934688	5011806	4965394	0.82	cps
Scandium	45-1	9718644	9545877	9626464	9630329	0.90	cps
Scandium	45-2	203232	206688	207131	205683	1.04	cps
Selenium	82-1	23	87	-27	28	204.49	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	3	10	7	7	50.03	cps
Silicon	28-1	822249	809841	800870	810987	1.32	cps
Silver	107-1	2950	2437	2337	2575	12.78	cps
Silver	109-1	2637	2364	2194	2398	9.33	cps
Sodium	23-2	250896916	249190010	246315976	248800967	0.93	cps
Strontium	86-1	16573	16637	16597	16602	0.19	cps
Strontium	88-1	140324	139455	141037	140272	0.56	cps
Sulfur	34-1	686851	659894	649243	665329	2.91	cps
Terbium	159-1	17581348	17539916	17802801	17641355	0.80	cps
Terbium	159-2	6430702	6499098	6437983	6455928	0.58	cps
Thallium	203-1	1753	1540	1347	1547	13.15	cps
Thallium	205-1	4354	3754	3227	3778	14.93	cps
Tin	118-1	4324	4354	4267	4315	1.02	cps
Titanium	47-1	3677	3190	3277	3382	7.68	cps
Uranium	238-1	3597	2794	2604	2998	17.59	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:29:51	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	833	760	870	821	6.82	cps
Ytterbium	172-1	877	913	857	882	3.26	cps
Ytterbium	172-2	390	337	397	374	8.78	cps
Ytterbium	176-1	2250	2324	2200	2258	2.75	cps
Ytterbium	176-2	593	537	617	582	7.07	cps
Yttrium	89-1	23700940	23951312	23989650	23880634	0.66	cps
Yttrium	89-2	1953666	1953088	1946351	1951035	0.21	cps
Zinc	66-2	3050	2960	2820	2944	3.94	cps
Zirconium	90-1	47280	48367	47544	47730	1.19	cps
Zirconium	91-1	10841	10868	10517	10742	1.82	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P8
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:45:45	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	37776	38715	38123	38205	1.24	cps
Antimony	121-1	3518285	3467284	3521626	3502398	0.87	cps
Arsenic	75-2	75836	77418	77076	76777	1.08	cps
Barium	135-1	405474	406290	401357	404374	0.65	cps
Barium	137-1	701931	706011	709513	705818	0.54	cps
Beryllium	9-1	672299	672747	673484	672844	0.09	cps
Bismuth	209-1	12260999	12187452	12112890	12187113	0.61	cps
Bismuth	209-2	5504484	5500817	5457768	5487690	0.47	cps
Bromine	81-1	4211	4231	4137	4193	1.17	cps
Cadmium	108-1	43258	44355	44191	43934	1.35	cps
Cadmium	106-1	46378	46150	46782	46437	0.69	cps
Cadmium	111-1	440808	442064	443830	442234	0.34	cps
Calcium	43-1	130643	128948	129725	129772	0.65	cps
Calcium	44-1	2129571	2100672	2095750	2108664	0.87	cps
Carbon	12-1	7186018	7288253	7328436	7267569	1.01	cps
Carbon	12-2	48730	48095	48871	48565	0.85	cps
Chlorine	35-1	150769	149789	150556	150371	0.34	cps
Chlorine	35-2	653	577	560	597	8.34	cps
Chromium	52-2	417991	422083	415826	418634	0.76	cps
Cobalt	59-2	808641	804438	810610	807896	0.39	cps
Copper	63-2	622710	627512	632385	627536	0.77	cps
Dysprosium	156-1	20	27	37	28	30.20	cps
Dysprosium	156-2	10	7	7	8	24.71	cps
Erbium	164-1	97	103	107	102	4.98	cps
Erbium	164-2	40	30	47	39	21.57	cps
Gadolinium	160-1	107	103	160	123	25.78	cps
Gadolinium	160-2	40	23	40	34	27.94	cps
Holmium	165-1	19530936	19363658	19143007	19345867	1.01	cps
Holmium	165-2	7188134	7339491	7366385	7298003	1.32	cps
Indium	115-1	15624360	15686694	15715668	15675574	0.30	cps
Indium	115-2	1702786	1716664	1700336	1706595	0.52	cps
Iron	54-2	349193	351250	348744	349729	0.38	cps
Iron	56-2	6352436	6166124	6346127	6288229	1.68	cps
Iron	57-2	154861	154558	154025	154481	0.27	cps
Krypton	83-1	213	307	270	263	17.86	cps
Lead	206-1	2841099	2834233	2884812	2853381	0.96	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P8
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:45:45	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2335929	2384811	2416769	2379170	1.71	cps
Lead	208-1	10989917	11171804	11206645	11122789	1.05	cps
Lithium	6-1	8999658	9082072	8941669	9007800	0.78	cps
Magnesium	24-2	321983	316866	318943	319264	0.81	cps
Manganese	55-2	167591	169085	168484	168387	0.45	cps
Molybdenum	94-1	24116314	23936361	24021429	24024701	0.37	cps
Molybdenum	95-1	41769889	42166579	42148059	42028176	0.53	cps
Molybdenum	96-1	45411478	45789256	45276844	45492526	0.58	cps
Molybdenum	97-1	26225311	26318973	25768501	26104262	1.13	cps
Molybdenum	98-1	67391746	67809506	66708071	67303107	0.83	cps
Neodymium	150-1	57	47	47	50	11.55	cps
Neodymium	150-2	7	3	0	3	100.05	cps
Nickel	60-2	221512	223962	223088	222854	0.56	cps
Phosphorus	31-2	120	83	123	109	20.39	cps
Potassium	39-2	326235	322972	326399	325202	0.59	cps
Rhodium	103-1	15220405	15005582	14927342	15051110	1.01	cps
Rhodium	103-2	6230946	6161092	6206494	6199511	0.57	cps
Scandium	45-1	11326349	11104782	11113400	11181510	1.12	cps
Scandium	45-2	233074	231200	229525	231266	0.77	cps
Selenium	82-1	53894	54071	54125	54030	0.22	cps
Selenium	77-2	1080	1060	953	1031	6.60	cps
Selenium	78-2	3340	3374	3340	3352	0.57	cps
Silicon	28-1	655127	656254	656934	656105	0.14	cps
Silver	107-1	1025986	1045902	1046230	1039373	1.12	cps
Silver	109-1	979417	990222	1006004	991881	1.35	cps
Sodium	23-2	1193289	1210260	1170958	1191502	1.65	cps
Strontium	86-1	2845266	2867487	2825536	2846096	0.74	cps
Strontium	88-1	24657236	24491727	24253579	24467514	0.83	cps
Sulfur	34-1	768003	752962	749669	756878	1.29	cps
Terbium	159-1	19909884	19742394	20022287	19891522	0.71	cps
Terbium	159-2	7103819	7122615	6974327	7066920	1.14	cps
Thallium	203-1	3452613	3388893	3502142	3447882	1.65	cps
Thallium	205-1	8102989	7960762	8073069	8045607	0.93	cps
Tin	118-1	2700	3214	2754	2889	9.78	cps
Titanium	47-1	1450	1587	1547	1528	4.60	cps
Uranium	238-1	797	677	753	742	8.19	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P8
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:45:45	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	322419	322308	315334	320020	1.27	cps
Ytterbium	172-1	130	167	90	129	29.75	cps
Ytterbium	172-2	43	47	67	52	24.17	cps
Ytterbium	176-1	1840	1890	1877	1869	1.39	cps
Ytterbium	176-2	450	447	327	408	17.23	cps
Yttrium	89-1	28261925	27976193	27451385	27896501	1.47	cps
Yttrium	89-2	2120940	2135279	2158834	2138351	0.89	cps
Zinc	66-2	127644	129737	130955	129445	1.29	cps
Zirconium	90-1	1533	1513	1370	1472	6.05	cps
Zirconium	91-1	840	953	957	917	7.25	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P8
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:50:48	DataFile Name :	013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	97	130	107	111	15.39	cps
Antimony	121-1	503	570	583	552	7.76	cps
Arsenic	75-2	27	0	0	9	173.21	cps
Barium	135-1	117	80	103	100	18.56	cps
Barium	137-1	137	160	153	150	8.01	cps
Beryllium	9-1	729	672	691	697	4.11	cps
Bismuth	209-1	12225291	12255663	12075051	12185335	0.79	cps
Bismuth	209-2	5476060	5427511	5413200	5438924	0.61	cps
Bromine	81-1	4004	4131	3941	4025	2.40	cps
Cadmium	108-1	7	13	27	16	65.47	cps
Cadmium	106-1	7172	7789	7582	7514	4.18	cps
Cadmium	111-1	5069	5493	5329	5297	4.04	cps
Calcium	43-1	617	690	670	659	5.75	cps
Calcium	44-1	34565	33810	34147	34174	1.11	cps
Carbon	12-1	6207591	6351346	6336719	6298552	1.26	cps
Carbon	12-2	41328	41485	41047	41287	0.54	cps
Chlorine	35-1	154912	154110	152079	153700	0.95	cps
Chlorine	35-2	663	557	637	619	8.97	cps
Chromium	52-2	1037	1023	1110	1057	4.42	cps
Cobalt	59-2	120	110	93	108	12.50	cps
Copper	63-2	5474	5551	5458	5494	0.91	cps
Dysprosium	156-1	17	20	23	20	16.65	cps
Dysprosium	156-2	7	3	0	3	100.05	cps
Erbium	164-1	113	93	113	107	10.82	cps
Erbium	164-2	37	43	33	38	13.48	cps
Gadolinium	160-1	127	120	147	131	10.59	cps
Gadolinium	160-2	37	27	27	30	19.24	cps
Holmium	165-1	18733260	19044602	19011323	18929728	0.90	cps
Holmium	165-2	7170051	7161997	7190591	7174213	0.21	cps
Indium	115-1	15217671	15425472	15360911	15334685	0.69	cps
Indium	115-2	1743046	1711268	1689515	1714610	1.57	cps
Iron	54-2	533	557	463	518	9.38	cps
Iron	56-2	7465	7789	7632	7629	2.12	cps
Iron	57-2	143	187	253	194	28.50	cps
Krypton	83-1	250	257	300	269	10.10	cps
Lead	206-1	3080	3030	3074	3062	0.89	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P8
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:50:48	DataFile Name :	013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2677	2754	2687	2706	1.54	cps
Lead	208-1	12409	12459	12453	12440	0.22	cps
Lithium	6-1	9079892	8821882	8887853	8929876	1.50	cps
Magnesium	24-2	1743	1740	1683	1722	1.96	cps
Manganese	55-2	123	163	110	132	20.99	cps
Molybdenum	94-1	937	967	770	891	11.89	cps
Molybdenum	95-1	1203	990	1113	1102	9.72	cps
Molybdenum	96-1	1250	1147	1160	1186	4.74	cps
Molybdenum	97-1	663	480	567	570	16.09	cps
Molybdenum	98-1	2194	1363	1357	1638	29.40	cps
Neodymium	150-1	13	7	13	11	34.61	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	623	543	677	614	10.92	cps
Phosphorus	31-2	103	103	90	99	7.79	cps
Potassium	39-2	14531	14057	14317	14302	1.66	cps
Rhodium	103-1	14889942	14769158	14860694	14839931	0.42	cps
Rhodium	103-2	6260718	6179225	6164575	6201506	0.84	cps
Scandium	45-1	11180402	10980463	10977024	11045963	1.05	cps
Scandium	45-2	229534	228224	227557	228438	0.44	cps
Selenium	82-1	50	0	33	28	91.66	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	3	3	10	6	69.34	cps
Silicon	28-1	635300	633690	631714	633568	0.28	cps
Silver	107-1	480	1205	447	711	60.33	cps
Silver	109-1	333	263	307	301	11.73	cps
Sodium	23-2	66752	65412	66169	66111	1.02	cps
Strontium	86-1	527	513	530	523	1.69	cps
Strontium	88-1	927	717	653	766	18.69	cps
Sulfur	34-1	773469	771754	777701	774308	0.40	cps
Terbium	159-1	19656591	19603336	19566019	19608649	0.23	cps
Terbium	159-2	6981353	6992083	7039201	7004212	0.44	cps
Thallium	203-1	467	507	503	492	4.51	cps
Thallium	205-1	1217	1130	1340	1229	8.59	cps
Tin	118-1	1790	2097	1920	1936	7.95	cps
Titanium	47-1	237	223	270	243	9.88	cps
Uranium	238-1	73	53	47	58	24.02	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P8
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:50:48	DataFile Name :	013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	13	13	7	11	34.61	cps
Ytterbium	172-1	123	97	97	106	14.59	cps
Ytterbium	172-2	53	47	50	50	6.66	cps
Ytterbium	176-1	1767	1777	1857	1800	2.74	cps
Ytterbium	176-2	363	363	400	376	5.64	cps
Yttrium	89-1	27280254	26947136	26756037	26994476	0.98	cps
Yttrium	89-2	2147389	2107596	2105443	2120143	1.11	cps
Zinc	66-2	363	373	350	362	3.23	cps
Zirconium	90-1	1030	923	943	966	5.87	cps
Zirconium	91-1	190	183	200	191	4.39	cps

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P8
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:54:42	DataFile Name :	014ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6843237	6948448	6905729	6899138	0.77	cps
Antimony	121-1	17842	18312	18276	18143	1.44	cps
Arsenic	75-2	97	117	130	114	14.66	cps
Barium	135-1	5421	5605	5605	5543	1.91	cps
Barium	137-1	9060	8980	9503	9181	3.07	cps
Beryllium	9-1	2276	2307	2174	2252	3.11	cps
Bismuth	209-1	11879058	11021733	11090550	11330447	4.20	cps
Bismuth	209-2	4978348	5102253	5022008	5034203	1.25	cps
Bromine	81-1	6048	6658	6592	6433	5.20	cps
Cadmium	108-1	5451	5661	5148	5420	4.76	cps
Cadmium	106-1	7105	7055	6985	7049	0.86	cps
Cadmium	111-1	7713	7301	7741	7585	3.25	cps
Calcium	43-1	5378412	5361706	5406531	5382216	0.42	cps
Calcium	44-1	88022309	89877015	89181525	89026950	1.05	cps
Carbon	12-1	50090541	50636151	51367714	50698135	1.26	cps
Carbon	12-2	339754	340986	338907	339882	0.31	cps
Chlorine	35-1	80749075	88225452	90578672	86517733	5.93	cps
Chlorine	35-2	408794	416201	417839	414278	1.16	cps
Chromium	52-2	77036	78447	78112	77865	0.95	cps
Cobalt	59-2	8599	8930	8726	8752	1.90	cps
Copper	63-2	48014	49058	48793	48622	1.12	cps
Dysprosium	156-1	83	60	77	73	16.39	cps
Dysprosium	156-2	17	17	27	20	28.86	cps
Erbium	164-1	157	153	113	141	17.09	cps
Erbium	164-2	63	37	57	52	26.57	cps
Gadolinium	160-1	160	177	180	172	6.22	cps
Gadolinium	160-2	33	50	43	42	19.87	cps
Holmium	165-1	20189084	18717061	18417785	19107977	4.96	cps
Holmium	165-2	7198257	7173966	7243697	7205307	0.49	cps
Indium	115-1	15633823	14501014	14264016	14799618	4.95	cps
Indium	115-2	1607442	1541875	1594997	1581438	2.20	cps
Iron	54-2	15903181	16087076	15721601	15903953	1.15	cps
Iron	56-2	292487262	295762822	293071322	293773802	0.59	cps
Iron	57-2	7408903	7490621	7351501	7417008	0.94	cps
Krypton	83-1	357	300	353	337	9.44	cps
Lead	206-1	57323	58933	58866	58374	1.56	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P8
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:54:42	DataFile Name :	014ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	46072	45874	46128	46025	0.29	cps
Lead	208-1	216379	220445	219714	218846	0.99	cps
Lithium	6-1	8872078	8404043	8419527	8565216	3.10	cps
Magnesium	24-2	25021015	24894079	24741353	24885482	0.56	cps
Manganese	55-2	12149	12079	12272	12166	0.80	cps
Molybdenum	94-1	9174313	9286619	9191637	9217523	0.66	cps
Molybdenum	95-1	15818515	16052164	16179743	16016807	1.14	cps
Molybdenum	96-1	17381691	17270921	17613465	17422026	1.00	cps
Molybdenum	97-1	9967864	9903506	10202217	10024529	1.57	cps
Molybdenum	98-1	25783171	25997577	26014614	25931787	0.50	cps
Neodymium	150-1	70	63	83	72	14.10	cps
Neodymium	150-2	23	27	30	27	12.51	cps
Nickel	60-2	10858	11191	11104	11051	1.57	cps
Phosphorus	31-2	367059	369390	370007	368819	0.42	cps
Potassium	39-2	15123599	15094781	14937076	15051819	0.67	cps
Rhodium	103-1	14514433	13480883	13595620	13863645	4.09	cps
Rhodium	103-2	5656382	5676510	5696778	5676556	0.36	cps
Scandium	45-1	11529725	10834741	10868340	11077602	3.54	cps
Scandium	45-2	224811	224459	225662	224977	0.28	cps
Selenium	82-1	-47	-7	-40	-31	-68.87	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	10	17	3	10	66.70	cps
Silicon	28-1	1002048	997189	1007493	1002244	0.51	cps
Silver	107-1	1613	1680	1500	1598	5.70	cps
Silver	109-1	1397	1407	1447	1417	1.87	cps
Sodium	23-2	52598971	52940779	52489279	52676343	0.45	cps
Strontium	86-1	172152	176849	178047	175683	1.77	cps
Strontium	88-1	1546483	1589159	1601999	1579214	1.84	cps
Sulfur	34-1	7891038	7792484	7742715	7808746	0.97	cps
Terbium	159-1	20698465	19488666	19399600	19862244	3.65	cps
Terbium	159-2	6937593	6994948	6797645	6910062	1.47	cps
Thallium	203-1	1277	1427	1817	1507	18.50	cps
Thallium	205-1	3167	3631	3901	3566	10.40	cps
Tin	118-1	4771	5118	4901	4930	3.55	cps
Titanium	47-1	5273171	5352924	5439030	5355042	1.55	cps
Uranium	238-1	787	823	843	818	3.51	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P8
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:54:42	DataFile Name :	014ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	517	473	493	494	4.39	cps
Ytterbium	172-1	157	123	113	131	17.30	cps
Ytterbium	172-2	63	67	67	66	2.94	cps
Ytterbium	176-1	1860	1687	1737	1761	5.07	cps
Ytterbium	176-2	300	320	337	319	5.76	cps
Yttrium	89-1	28535014	26965623	26990590	27497075	3.27	cps
Yttrium	89-2	2097345	2058664	2068411	2074807	0.97	cps
Zinc	66-2	7315	7018	7068	7134	2.23	cps
Zirconium	90-1	1733	1733	1690	1719	1.46	cps
Zirconium	91-1	327	323	370	340	7.66	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P8
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:57:49	DataFile Name :	015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7193168	7099874	7075542	7122862	0.87	cps
Antimony	121-1	345364	349681	353169	349405	1.12	cps
Arsenic	75-2	7992	8119	7602	7905	3.41	cps
Barium	135-1	82851	83693	84622	83722	1.06	cps
Barium	137-1	143399	147046	146527	145658	1.35	cps
Beryllium	9-1	128012	129996	128444	128817	0.81	cps
Bismuth	209-1	11176586	10940487	11183837	11100303	1.25	cps
Bismuth	209-2	5066891	5112523	5029558	5069657	0.82	cps
Bromine	81-1	5715	6255	6328	6099	5.49	cps
Cadmium	108-1	10841	10564	10594	10666	1.42	cps
Cadmium	106-1	14014	14074	13914	14001	0.58	cps
Cadmium	111-1	85069	85593	86526	85729	0.86	cps
Calcium	43-1	5702841	5789850	5673675	5722122	1.06	cps
Calcium	44-1	93107429	93152752	92955119	93071766	0.11	cps
Carbon	12-1	52774528	54527928	54655228	53985894	1.95	cps
Carbon	12-2	362334	361954	361636	361975	0.10	cps
Chlorine	35-1	93502669	98580719	100008949	97364112	3.51	cps
Chlorine	35-2	451855	451203	455910	452989	0.56	cps
Chromium	52-2	159147	160613	162811	160857	1.15	cps
Cobalt	59-2	160709	161315	161329	161118	0.22	cps
Copper	63-2	166779	167562	166118	166820	0.43	cps
Dysprosium	156-1	70	100	50	73	34.32	cps
Dysprosium	156-2	57	27	33	39	40.51	cps
Erbium	164-1	160	173	183	172	6.80	cps
Erbium	164-2	57	53	57	56	3.47	cps
Gadolinium	160-1	137	167	170	158	11.63	cps
Gadolinium	160-2	47	50	57	51	9.96	cps
Holmium	165-1	18796972	19030827	19155313	18994371	0.96	cps
Holmium	165-2	7260506	7221328	7297098	7259644	0.52	cps
Indium	115-1	14812455	14655522	14723732	14730570	0.53	cps
Indium	115-2	1653435	1633711	1629502	1638883	0.78	cps
Iron	54-2	16687413	16607129	16559618	16618054	0.39	cps
Iron	56-2	307803629	305771895	301844456	305139993	0.99	cps
Iron	57-2	7653686	7577037	7722691	7651138	0.95	cps
Krypton	83-1	277	283	277	279	1.38	cps
Lead	206-1	309943	314306	312931	312393	0.71	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P8
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:57:49	DataFile Name :	015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	260468	260371	259344	260061	0.24	cps
Lead	208-1	1199348	1209465	1215397	1208070	0.67	cps
Lithium	6-1	8638275	8293689	8306303	8412755	2.32	cps
Magnesium	24-2	25786905	25181964	25226530	25398466	1.33	cps
Manganese	55-2	45238	44783	45298	45106	0.62	cps
Molybdenum	94-1	9690633	9826086	9727658	9748125	0.72	cps
Molybdenum	95-1	16822254	17045416	16719572	16862414	0.99	cps
Molybdenum	96-1	18121868	18334331	18051926	18169375	0.81	cps
Molybdenum	97-1	10542876	10481167	10484970	10503004	0.33	cps
Molybdenum	98-1	27131755	27119481	27275070	27175436	0.32	cps
Neodymium	150-1	130	57	100	96	38.58	cps
Neodymium	150-2	10	23	23	19	40.75	cps
Nickel	60-2	52583	52282	51854	52240	0.70	cps
Phosphorus	31-2	384053	382721	383575	383450	0.18	cps
Potassium	39-2	15887542	15469901	15600244	15652563	1.37	cps
Rhodium	103-1	13908495	13464495	13756532	13709841	1.65	cps
Rhodium	103-2	5765074	5739275	5733814	5746054	0.29	cps
Scandium	45-1	11068882	10910051	11003241	10994058	0.73	cps
Scandium	45-2	228726	227205	231255	229062	0.89	cps
Selenium	82-1	5071	5268	5078	5139	2.17	cps
Selenium	77-2	77	127	90	98	26.48	cps
Selenium	78-2	377	267	337	327	17.05	cps
Silicon	28-1	1021497	1030312	1027209	1026339	0.44	cps
Silver	107-1	380417	388037	389975	386143	1.31	cps
Silver	109-1	365615	372483	368581	368893	0.93	cps
Sodium	23-2	54787568	54438874	54287316	54504586	0.47	cps
Strontium	86-1	181597	185405	185036	184013	1.14	cps
Strontium	88-1	1619604	1675915	1651182	1648900	1.71	cps
Sulfur	34-1	8250877	8192721	8132155	8191918	0.72	cps
Terbium	159-1	19489428	19315901	19373018	19392782	0.46	cps
Terbium	159-2	6969874	6934673	7008196	6970914	0.53	cps
Thallium	203-1	311922	316283	318426	315544	1.05	cps
Thallium	205-1	747800	754012	761881	754564	0.94	cps
Tin	118-1	4211	4007	4461	4226	5.38	cps
Titanium	47-1	5522398	5685325	5582789	5596837	1.47	cps
Uranium	238-1	890	890	870	883	1.31	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P8
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 12:57:49	DataFile Name :	015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	63567	63115	63306	63329	0.36	cps
Ytterbium	172-1	103	140	120	121	15.16	cps
Ytterbium	172-2	40	57	30	42	31.91	cps
Ytterbium	176-1	1703	1707	1720	1710	0.52	cps
Ytterbium	176-2	353	367	383	368	4.09	cps
Yttrium	89-1	27248974	27116162	27602468	27322535	0.92	cps
Yttrium	89-2	2132882	2129712	2106566	2123053	0.68	cps
Zinc	66-2	19610	19974	19874	19820	0.95	cps
Zirconium	90-1	1287	1263	1350	1300	3.45	cps
Zirconium	91-1	307	320	373	333	10.58	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P8
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:00:52	DataFile Name :	016CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3763862	3711136	3773573	3749524	0.90	cps
Antimony	121-1	7930877	8027619	7966222	7974906	0.61	cps
Arsenic	75-2	178120	177257	174229	176536	1.16	cps
Barium	135-1	9583480	9663649	9459569	9568899	1.07	cps
Barium	137-1	16464958	16378187	16776408	16539851	1.27	cps
Beryllium	9-1	2910114	2999355	3050456	2986641	2.38	cps
Bismuth	209-1	10886758	10542559	10799237	10742851	1.67	cps
Bismuth	209-2	4897807	4826511	4768993	4831103	1.34	cps
Bromine	81-1	5274	5248	5334	5285	0.84	cps
Cadmium	108-1	152810	153039	153036	152962	0.09	cps
Cadmium	106-1	221131	220802	226420	222784	1.42	cps
Cadmium	111-1	1933508	1967062	1938610	1946393	0.93	cps
Calcium	43-1	13250886	13307612	13116804	13225101	0.74	cps
Calcium	44-1	210947197	217653510	214152690	214251132	1.57	cps
Carbon	12-1	7078415	7113476	7270463	7154118	1.43	cps
Carbon	12-2	54611	53942	53841	54131	0.77	cps
Chlorine	35-1	5905612	5580695	5305726	5597344	5.36	cps
Chlorine	35-2	20451	19503	18776	19577	4.29	cps
Chromium	52-2	2004546	2028955	2008053	2013851	0.66	cps
Cobalt	59-2	3663922	3651368	3643175	3652821	0.29	cps
Copper	63-2	27473506	26930190	27527336	27310344	1.21	cps
Dysprosium	156-1	373	450	440	421	9.90	cps
Dysprosium	156-2	77	120	110	102	22.19	cps
Erbium	164-1	467	407	453	442	7.12	cps
Erbium	164-2	143	137	170	150	11.76	cps
Gadolinium	160-1	433	387	403	408	5.80	cps
Gadolinium	160-2	167	187	153	169	9.93	cps
Holmium	165-1	18299857	18358628	18249461	18302649	0.30	cps
Holmium	165-2	7083253	7185012	7069934	7112733	0.89	cps
Indium	115-1	14316458	14153921	14162698	14211026	0.64	cps
Indium	115-2	1555728	1570702	1505658	1544029	2.21	cps
Iron	54-2	19521302	19386534	19658035	19521957	0.70	cps
Iron	56-2	355398848	363850061	358595301	359281404	1.19	cps
Iron	57-2	9006501	9096973	9013904	9039126	0.56	cps
Krypton	83-1	333	343	370	349	5.43	cps
Lead	206-1	30927175	30908899	30896405	30910826	0.05	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P8
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:00:52	DataFile Name :	016CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	26542556	26686206	26719469	26649410	0.35	cps
Lead	208-1	121630011	122079112	123054077	122254400	0.60	cps
Lithium	6-1	8080961	7940882	8182281	8068041	1.50	cps
Magnesium	24-2	64710474	63381276	63370579	63820776	1.21	cps
Manganese	55-2	8018723	8139063	7984819	8047535	1.01	cps
Molybdenum	94-1	28794053	29553650	29145011	29164238	1.30	cps
Molybdenum	95-1	41397957	41686527	41691787	41592090	0.40	cps
Molybdenum	96-1	45669406	45065314	46122608	45619109	1.16	cps
Molybdenum	97-1	25733332	25471170	25873570	25692691	0.79	cps
Molybdenum	98-1	67318019	67066862	67368079	67250987	0.24	cps
Neodymium	150-1	747	717	847	770	8.84	cps
Neodymium	150-2	53	63	73	63	15.79	cps
Nickel	60-2	944880	935053	949446	943126	0.78	cps
Phosphorus	31-2	37047	37198	37074	37106	0.22	cps
Potassium	39-2	18965852	18787498	18698163	18817171	0.72	cps
Rhodium	103-1	13186325	12768150	12972928	12975801	1.61	cps
Rhodium	103-2	5457585	5470222	5396710	5441505	0.72	cps
Scandium	45-1	10651784	10642451	10362683	10552306	1.56	cps
Scandium	45-2	223363	225411	223590	224121	0.50	cps
Selenium	82-1	117164	117725	118388	117759	0.52	cps
Selenium	77-2	2080	2340	2287	2236	6.14	cps
Selenium	78-2	7652	7999	7889	7847	2.26	cps
Silicon	28-1	6965901	7234358	7123795	7108018	1.90	cps
Silver	107-1	9761820	9711282	9813949	9762350	0.53	cps
Silver	109-1	9074883	9323197	9189399	9195826	1.35	cps
Sodium	23-2	127536931	127759275	125828788	127041665	0.83	cps
Strontium	86-1	2704748	2739242	2680384	2708125	1.09	cps
Strontium	88-1	23099945	22914363	23282475	23098928	0.80	cps
Sulfur	34-1	1460776	1492838	1454105	1469240	1.41	cps
Terbium	159-1	19283933	18802443	18927049	19004475	1.31	cps
Terbium	159-2	6896460	6872883	6751658	6840334	1.14	cps
Thallium	203-1	7643084	7481068	7531692	7551948	1.10	cps
Thallium	205-1	17825105	18120162	18502878	18149382	1.87	cps
Tin	118-1	6451894	6379096	6522706	6451232	1.11	cps
Titanium	47-1	12932408	13017495	13331315	13093739	1.60	cps
Uranium	238-1	25049370	25333704	25399673	25260915	0.74	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P8
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:00:52	DataFile Name :	016CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1576781	1585499	1597145	1586475	0.64	cps
Ytterbium	172-1	460	487	447	464	4.39	cps
Ytterbium	172-2	177	257	210	214	18.74	cps
Ytterbium	176-1	37914	38279	38636	38276	0.94	cps
Ytterbium	176-2	14912	13937	15039	14629	4.12	cps
Yttrium	89-1	26431508	26148174	25947996	26175893	0.93	cps
Yttrium	89-2	2093314	2080646	2048069	2074009	1.13	cps
Zinc	66-2	2956796	2972406	2980151	2969784	0.40	cps
Zirconium	90-1	14387992	14791581	14414542	14531372	1.55	cps
Zirconium	91-1	3223980	3285539	3299612	3269710	1.23	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P8
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:07:19	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	110	140	120	123	12.39	cps
Antimony	121-1	663	620	633	639	3.47	cps
Arsenic	75-2	0	0	7	2	173.21	cps
Barium	135-1	73	100	67	80	22.05	cps
Barium	137-1	180	147	93	140	31.23	cps
Beryllium	9-1	910	811	791	837	7.59	cps
Bismuth	209-1	12687735	12449702	12250210	12462549	1.76	cps
Bismuth	209-2	5639684	5667635	5678338	5661886	0.35	cps
Bromine	81-1	4557	4497	4571	4542	0.86	cps
Cadmium	108-1	3	30	17	17	80.01	cps
Cadmium	106-1	7846	7896	7849	7863	0.36	cps
Cadmium	111-1	5576	5553	5526	5552	0.45	cps
Calcium	43-1	463	477	430	457	5.26	cps
Calcium	44-1	32774	31454	32607	32278	2.23	cps
Carbon	12-1	6046317	6033953	5968175	6016149	0.70	cps
Carbon	12-2	39466	39192	39373	39344	0.35	cps
Chlorine	35-1	1711772	1624496	1530929	1622399	5.57	cps
Chlorine	35-2	5631	5765	5878	5758	2.15	cps
Chromium	52-2	973	1070	1053	1032	5.01	cps
Cobalt	59-2	80	83	117	93	21.73	cps
Copper	63-2	4104	3974	3974	4017	1.87	cps
Dysprosium	156-1	17	10	7	11	45.82	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	80	73	77	77	4.35	cps
Erbium	164-2	37	17	30	28	36.66	cps
Gadolinium	160-1	110	123	133	122	9.58	cps
Gadolinium	160-2	27	30	20	26	19.92	cps
Holmium	165-1	20253311	19486379	19470456	19736715	2.27	cps
Holmium	165-2	7559469	7560559	7510926	7543651	0.38	cps
Indium	115-1	16666898	16285347	15879046	16277097	2.42	cps
Indium	115-2	1768221	1766806	1766136	1767054	0.06	cps
Iron	54-2	817	750	703	757	7.53	cps
Iron	56-2	10504	10647	10377	10510	1.29	cps
Iron	57-2	267	293	183	248	23.16	cps
Krypton	83-1	347	317	263	309	13.66	cps
Lead	206-1	3651	3484	3644	3593	2.63	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P8
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:07:19	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3167	2990	3074	3077	2.87	cps
Lead	208-1	14703	14047	14006	14252	2.75	cps
Lithium	6-1	9517773	9066234	9080038	9221348	2.78	cps
Magnesium	24-2	1467	1393	1473	1445	3.07	cps
Manganese	55-2	173	140	150	154	11.08	cps
Molybdenum	94-1	680	617	663	653	5.02	cps
Molybdenum	95-1	610	427	403	480	23.58	cps
Molybdenum	96-1	703	563	470	579	20.29	cps
Molybdenum	97-1	393	243	270	302	26.48	cps
Molybdenum	98-1	913	587	677	726	23.26	cps
Neodymium	150-1	30	10	10	17	69.28	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	567	567	613	582	4.63	cps
Phosphorus	31-2	80	107	113	100	17.64	cps
Potassium	39-2	16733	16406	16510	16550	1.01	cps
Rhodium	103-1	15721478	15366128	15459801	15515802	1.19	cps
Rhodium	103-2	6493436	6475338	6408284	6459019	0.69	cps
Scandium	45-1	11903849	11495228	11193861	11530979	3.09	cps
Scandium	45-2	238698	240262	237524	238828	0.58	cps
Selenium	82-1	-120	67	-10	-21	-444.43	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	7	10	7	8	24.71	cps
Silicon	28-1	640066	639586	637348	639000	0.23	cps
Silver	107-1	613	530	597	580	7.60	cps
Silver	109-1	510	427	367	434	16.57	cps
Sodium	23-2	77025	74784	74921	75577	1.66	cps
Strontium	86-1	510	497	543	517	4.65	cps
Strontium	88-1	467	463	447	459	2.34	cps
Sulfur	34-1	794236	792681	794624	793847	0.13	cps
Terbium	159-1	20305190	20134037	20267002	20235410	0.44	cps
Terbium	159-2	7314061	7324170	7256596	7298275	0.50	cps
Thallium	203-1	730	827	817	791	6.72	cps
Thallium	205-1	1860	1980	1827	1889	4.27	cps
Tin	118-1	2050	2234	2090	2125	4.54	cps
Titanium	47-1	397	353	303	351	13.30	cps
Uranium	238-1	120	107	97	108	10.86	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P8
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:07:19	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	20	17	10	16	32.73	cps
Ytterbium	172-1	107	103	107	106	1.83	cps
Ytterbium	172-2	53	43	43	47	12.37	cps
Ytterbium	176-1	1954	1977	1913	1948	1.64	cps
Ytterbium	176-2	303	400	367	357	13.77	cps
Yttrium	89-1	29107087	28201123	28057046	28455085	2.00	cps
Yttrium	89-2	2217029	2236739	2185684	2213151	1.16	cps
Zinc	66-2	247	333	270	283	15.83	cps
Zirconium	90-1	1117	1090	1243	1150	7.12	cps
Zirconium	91-1	243	240	237	240	1.39	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1177-01A	Instrumnet Name :	P8
Client Sample ID :	MH2GW9A	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:10:39	DataFile Name :	019AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1119341	1180186	1118715	1139414	3.10	cps
Antimony	121-1	40921	41613	41743	41426	1.07	cps
Arsenic	75-2	16954	16843	16980	16926	0.43	cps
Barium	135-1	2804625	2844943	2850787	2833452	0.89	cps
Barium	137-1	4841018	4860664	4905870	4869184	0.68	cps
Beryllium	9-1	25311	25089	25083	25161	0.52	cps
Bismuth	209-1	12539607	12205765	12164311	12303228	1.67	cps
Bismuth	209-2	5746520	5198740	5597640	5514300	5.14	cps
Bromine	81-1	15822	16844	17421	16696	4.85	cps
Cadmium	108-1	5855	5948	5648	5817	2.64	cps
Cadmium	106-1	17338	16523	16770	16877	2.47	cps
Cadmium	111-1	89867	88483	90235	89528	1.03	cps
Calcium	43-1	9265118	9401100	9248202	9304806	0.90	cps
Calcium	44-1	153245711	149222841	148803728	150424093	1.63	cps
Carbon	12-1	9508055	9770160	9673285	9650500	1.37	cps
Carbon	12-2	62114	62810	62716	62547	0.60	cps
Chlorine	35-1	157461128	168455764	174975137	166964010	5.30	cps
Chlorine	35-2	773257	792771	793048	786359	1.44	cps
Chromium	52-2	256441	257207	256471	256706	0.17	cps
Cobalt	59-2	152716	153376	152638	152910	0.27	cps
Copper	63-2	2426968	2374719	2335850	2379179	1.92	cps
Dysprosium	156-1	152889	153591	153904	153461	0.34	cps
Dysprosium	156-2	53262	53577	52864	53234	0.67	cps
Erbium	164-1	126498	126639	126858	126665	0.14	cps
Erbium	164-2	46732	46508	47371	46870	0.96	cps
Gadolinium	160-1	141157	140006	139628	140264	0.57	cps
Gadolinium	160-2	63222	62978	63004	63068	0.21	cps
Holmium	165-1	20367438	19409315	19927956	19901569	2.41	cps
Holmium	165-2	7815578	7067311	7542309	7475066	5.07	cps
Indium	115-1	16237477	15647403	15728784	15871221	2.01	cps
Indium	115-2	1795348	1607559	1727095	1710001	5.56	cps
Iron	54-2	6265642	6222299	6185042	6224328	0.65	cps
Iron	56-2	114254432	114302042	114113022	114223165	0.09	cps
Iron	57-2	2944492	2931103	2866009	2913868	1.44	cps
Krypton	83-1	537	603	513	551	8.47	cps
Lead	206-1	20749792	20832399	20560482	20714224	0.67	cps

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1177-01A	Instrumnet Name :	P8
Client Sample ID :	MH2GW9A	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:10:39	DataFile Name :	019AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	17305998	17464471	17420646	17397038	0.47	cps
Lead	208-1	81020147	81083323	81086785	81063418	0.05	cps
Lithium	6-1	9256185	9038471	9146113	9146923	1.19	cps
Magnesium	24-2	3287450	3351236	3351567	3330084	1.11	cps
Manganese	55-2	10731987	10632454	10656136	10673526	0.49	cps
Molybdenum	94-1	56832	58097	57190	57373	1.14	cps
Molybdenum	95-1	20672	20652	20262	20529	1.13	cps
Molybdenum	96-1	29157	29324	29632	29371	0.82	cps
Molybdenum	97-1	12462	12753	12636	12617	1.16	cps
Molybdenum	98-1	33206	33721	32642	33190	1.63	cps
Neodymium	150-1	223225	223311	224203	223579	0.24	cps
Neodymium	150-2	59900	60468	59354	59907	0.93	cps
Nickel	60-2	157178	155968	154772	155973	0.77	cps
Phosphorus	31-2	11491	11908	11728	11709	1.79	cps
Potassium	39-2	984279	991959	981386	985875	0.55	cps
Rhodium	103-1	15174507	14749571	14600963	14841680	2.01	cps
Rhodium	103-2	6381820	5856351	6207580	6148584	4.35	cps
Scandium	45-1	11878937	11676332	11552659	11702643	1.41	cps
Scandium	45-2	251275	223250	243418	239314	6.04	cps
Selenium	82-1	3177	3187	3130	3165	0.96	cps
Selenium	77-2	337	383	357	359	6.52	cps
Selenium	78-2	393	340	390	374	7.98	cps
Silicon	28-1	135965361	138646201	139101525	137904362	1.23	cps
Silver	107-1	164566	163587	165611	164588	0.61	cps
Silver	109-1	155621	156275	154087	155328	0.72	cps
Sodium	23-2	396650	401176	397744	398523	0.59	cps
Strontium	86-1	3380532	3321658	3277681	3326624	1.55	cps
Strontium	88-1	29075906	29220288	28416727	28904307	1.48	cps
Sulfur	34-1	885273	888826	886259	886786	0.21	cps
Terbium	159-1	20842165	20102052	20020745	20321654	2.23	cps
Terbium	159-2	7529777	6762680	7259151	7183869	5.42	cps
Thallium	203-1	11529	12102	12289	11973	3.31	cps
Thallium	205-1	27409	28996	29554	28653	3.88	cps
Tin	118-1	190595	189979	190484	190353	0.17	cps
Titanium	47-1	650346	651516	656835	652899	0.53	cps
Uranium	238-1	202500	205314	202750	203521	0.77	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1177-01A	Instrumnet Name :	P8
Client Sample ID :	MH2GW9A	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:10:39	DataFile Name :	019AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	216377	220507	219749	218877	1.00	cps
Ytterbium	172-1	38970	39151	38656	38926	0.64	cps
Ytterbium	172-2	17592	17512	17488	17531	0.31	cps
Ytterbium	176-1	26163	26206	26293	26220	0.25	cps
Ytterbium	176-2	11755	11819	11028	11534	3.81	cps
Yttrium	89-1	31634635	30186344	29917500	30579493	3.02	cps
Yttrium	89-2	2445634	2179409	2383709	2336251	5.96	cps
Zinc	66-2	2892217	2886801	2864740	2881253	0.51	cps
Zirconium	90-1	124849	126584	124587	125340	0.87	cps
Zirconium	91-1	27394	27687	27901	27661	0.92	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1178-01A	Instrumnet Name :	P8
Client Sample ID :	MH2GX0A	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:14:50	DataFile Name :	020AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1746109	1737788	1746329	1743409	0.28	cps
Antimony	121-1	66802	66434	66923	66719	0.38	cps
Arsenic	75-2	30426	30807	30667	30633	0.63	cps
Barium	135-1	11243330	11206024	11011643	11153666	1.12	cps
Barium	137-1	19322899	19725472	19241546	19429972	1.33	cps
Beryllium	9-1	23204	23417	23096	23239	0.70	cps
Bismuth	209-1	12101827	12144962	12318499	12188429	0.94	cps
Bismuth	209-2	5576351	5286161	5537993	5466835	2.88	cps
Bromine	81-1	18786	20599	20802	20062	5.53	cps
Cadmium	108-1	23637	23567	23099	23434	1.25	cps
Cadmium	106-1	40650	40656	41151	40819	0.70	cps
Cadmium	111-1	361773	360963	361996	361578	0.15	cps
Calcium	43-1	8110788	8043335	7974666	8042930	0.85	cps
Calcium	44-1	130226071	131607698	129149011	130327594	0.95	cps
Carbon	12-1	9759555	9885148	9987226	9877309	1.15	cps
Carbon	12-2	64671	64547	63195	64138	1.28	cps
Chlorine	35-1	179991724	189770677	193266284	187676228	3.67	cps
Chlorine	35-2	857186	860895	869472	862518	0.73	cps
Chromium	52-2	186202	185668	187440	186437	0.49	cps
Cobalt	59-2	296529	297497	298647	297558	0.36	cps
Copper	63-2	3908618	3955584	3914907	3926370	0.65	cps
Dysprosium	156-1	198952	202290	200209	200484	0.84	cps
Dysprosium	156-2	70789	70789	68612	70063	1.79	cps
Erbium	164-1	162060	163195	159854	161703	1.05	cps
Erbium	164-2	60744	59891	60527	60387	0.73	cps
Gadolinium	160-1	182974	179479	180295	180916	1.01	cps
Gadolinium	160-2	81674	82664	80615	81651	1.26	cps
Holmium	165-1	19327954	19778474	19800293	19635573	1.36	cps
Holmium	165-2	7528474	7201175	7488501	7406050	2.41	cps
Indium	115-1	15891871	16014169	16043328	15983123	0.50	cps
Indium	115-2	1743075	1658616	1750188	1717293	2.97	cps
Iron	54-2	19254810	19170786	19220135	19215244	0.22	cps
Iron	56-2	356084968	353670875	353693821	354483221	0.39	cps
Iron	57-2	8947265	8902495	8947217	8932326	0.29	cps
Krypton	83-1	513	687	607	602	14.41	cps
Lead	206-1	24561190	24243673	24460033	24421632	0.66	cps

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1178-01A	Instrumnet Name :	P8
Client Sample ID :	MH2GX0A	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:14:50	DataFile Name :	020AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	20547285	20580606	20582706	20570199	0.10	cps
Lead	208-1	95820293	95273226	95952839	95682119	0.38	cps
Lithium	6-1	8884337	9217571	9313809	9138572	2.47	cps
Magnesium	24-2	4061801	3923320	3904203	3963108	2.17	cps
Manganese	55-2	11997135	11920464	11972647	11963415	0.33	cps
Molybdenum	94-1	65071	66063	64696	65277	1.08	cps
Molybdenum	95-1	46063	45942	45939	45981	0.15	cps
Molybdenum	96-1	56196	55882	56260	56113	0.36	cps
Molybdenum	97-1	28923	28232	28660	28605	1.22	cps
Molybdenum	98-1	72749	73403	74184	73445	0.98	cps
Neodymium	150-1	302693	303183	299294	301724	0.70	cps
Neodymium	150-2	80935	80965	80855	80919	0.07	cps
Nickel	60-2	1099489	1095432	1096155	1097025	0.20	cps
Phosphorus	31-2	16306	16066	15672	16014	2.00	cps
Potassium	39-2	1297764	1290333	1296642	1294913	0.31	cps
Rhodium	103-1	14715717	14772164	14869383	14785755	0.53	cps
Rhodium	103-2	6142312	5968999	6114640	6075317	1.53	cps
Scandium	45-1	11797367	11687799	11914627	11799931	0.96	cps
Scandium	45-2	244275	231080	239514	238290	2.80	cps
Selenium	82-1	3194	3381	3431	3335	3.74	cps
Selenium	77-2	420	387	440	416	6.48	cps
Selenium	78-2	423	367	417	402	7.70	cps
Silicon	28-1	78356856	79932860	78526329	78938682	1.10	cps
Silver	107-1	199130	199292	200702	199708	0.43	cps
Silver	109-1	187647	189090	188603	188447	0.39	cps
Sodium	23-2	591965	595879	593290	593711	0.34	cps
Strontium	86-1	3098583	3032219	3140833	3090545	1.77	cps
Strontium	88-1	26879896	26328118	26355454	26521156	1.17	cps
Sulfur	34-1	931405	941082	954049	942179	1.21	cps
Terbium	159-1	20127310	20136594	20291880	20185261	0.46	cps
Terbium	159-2	7307601	6999090	7299389	7202026	2.44	cps
Thallium	203-1	18951	19501	19708	19387	2.02	cps
Thallium	205-1	45155	45954	46874	45995	1.87	cps
Tin	118-1	411420	410544	410488	410817	0.13	cps
Titanium	47-1	949801	942387	951372	947853	0.51	cps
Uranium	238-1	242150	240582	238633	240455	0.73	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1178-01A	Instrumnet Name :	P8
Client Sample ID :	MH2GX0A	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:14:50	DataFile Name :	020AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	365057	368840	370662	368186	0.78	cps
Ytterbium	172-1	49385	49087	48776	49083	0.62	cps
Ytterbium	172-2	22242	22876	21678	22266	2.69	cps
Ytterbium	176-1	32326	32607	32520	32484	0.44	cps
Ytterbium	176-2	14451	14365	14438	14418	0.32	cps
Yttrium	89-1	30859453	30870769	31813432	31181218	1.76	cps
Yttrium	89-2	2421463	2328244	2417102	2388936	2.20	cps
Zinc	66-2	3722532	3833096	3718668	3758099	1.73	cps
Zirconium	90-1	105985	106681	107624	106763	0.77	cps
Zirconium	91-1	23834	24475	24041	24116	1.36	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166302BL	Instrumnet Name :	P8
Client Sample ID :	PBS302	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:22:47	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	63	90	87	80	18.17	cps
Antimony	121-1	117	123	140	127	9.49	cps
Arsenic	75-2	7	20	0	9	114.55	cps
Barium	135-1	50	83	103	79	34.16	cps
Barium	137-1	140	130	107	126	13.62	cps
Beryllium	9-1	460	510	501	490	5.45	cps
Bismuth	209-1	10863462	12310310	12111873	11761881	6.67	cps
Bismuth	209-2	5583388	5624053	5604913	5604118	0.36	cps
Bromine	81-1	4874	4607	4654	4712	3.02	cps
Cadmium	108-1	27	37	27	30	19.24	cps
Cadmium	106-1	6945	7565	7952	7488	6.79	cps
Cadmium	111-1	4890	5310	5585	5261	6.65	cps
Calcium	43-1	487	507	407	467	11.34	cps
Calcium	44-1	31758	31391	31458	31536	0.62	cps
Carbon	12-1	5861273	5916810	5938433	5905505	0.67	cps
Carbon	12-2	38801	38116	37354	38090	1.90	cps
Chlorine	35-1	3898801	3639708	3465990	3668166	5.94	cps
Chlorine	35-2	13777	13206	12953	13312	3.17	cps
Chromium	52-2	870	943	1017	943	7.77	cps
Cobalt	59-2	107	83	77	89	17.72	cps
Copper	63-2	3424	3537	3367	3443	2.52	cps
Dysprosium	156-1	20	20	3	14	66.64	cps
Dysprosium	156-2	10	0	3	4	114.60	cps
Erbium	164-1	87	137	97	107	24.80	cps
Erbium	164-2	43	43	40	42	4.55	cps
Gadolinium	160-1	130	103	130	121	12.71	cps
Gadolinium	160-2	20	27	13	20	33.35	cps
Holmium	165-1	17353067	19378846	19321544	18684486	6.17	cps
Holmium	165-2	7458484	7576075	7509909	7514823	0.78	cps
Indium	115-1	14230652	15437642	15718794	15129029	5.23	cps
Indium	115-2	1779595	1771642	1795272	1782170	0.67	cps
Iron	54-2	703	690	660	684	3.24	cps
Iron	56-2	10307	9667	9500	9825	4.34	cps
Iron	57-2	213	240	183	212	13.36	cps
Krypton	83-1	307	297	377	327	13.35	cps
Lead	206-1	3007	3164	3124	3098	2.63	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166302BL	Instrumnet Name :	P8
Client Sample ID :	PBS302	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:22:47	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2677	2537	2694	2636	3.27	cps
Lead	208-1	12229	12302	11892	12141	1.80	cps
Lithium	6-1	8343571	9021798	9143483	8836284	4.88	cps
Magnesium	24-2	1370	1327	1393	1363	2.48	cps
Manganese	55-2	237	233	130	200	30.32	cps
Molybdenum	94-1	377	373	360	370	2.38	cps
Molybdenum	95-1	147	137	183	156	15.80	cps
Molybdenum	96-1	187	277	210	224	20.81	cps
Molybdenum	97-1	80	87	103	90	13.35	cps
Molybdenum	98-1	247	250	243	247	1.35	cps
Neodymium	150-1	3	10	7	7	50.03	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	617	570	553	580	5.66	cps
Phosphorus	31-2	67	80	87	78	13.09	cps
Potassium	39-2	14464	15091	14808	14788	2.12	cps
Rhodium	103-1	13453285	15050751	15406396	14636810	7.11	cps
Rhodium	103-2	6438582	6393302	6433576	6421820	0.39	cps
Scandium	45-1	10348564	11388537	11601654	11112918	6.03	cps
Scandium	45-2	240833	241559	239522	240638	0.43	cps
Selenium	82-1	-3	-33	-90	-42	-104.25	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	13	17	3	11	62.48	cps
Silicon	28-1	650024	643746	642919	645563	0.60	cps
Silver	107-1	393	393	393	393	0.00	cps
Silver	109-1	287	230	277	264	11.44	cps
Sodium	23-2	64070	63189	63417	63559	0.72	cps
Strontium	86-1	570	467	580	539	11.64	cps
Strontium	88-1	413	493	463	457	8.85	cps
Sulfur	34-1	801939	804757	806736	804477	0.30	cps
Terbium	159-1	18058650	19451948	20104590	19205063	5.44	cps
Terbium	159-2	7214004	7219515	7408205	7280574	1.52	cps
Thallium	203-1	683	660	673	672	1.74	cps
Thallium	205-1	1553	1467	1547	1522	3.17	cps
Tin	118-1	1970	1920	1997	1962	1.98	cps
Titanium	47-1	300	300	260	287	8.06	cps
Uranium	238-1	40	33	27	33	20.00	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166302BL	Instrumnet Name :	P8
Client Sample ID :	PBS302	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:22:47	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	17	20	23	20	16.65	cps
Ytterbium	172-1	77	100	160	112	38.31	cps
Ytterbium	172-2	30	43	33	36	19.51	cps
Ytterbium	176-1	1830	1944	2007	1927	4.65	cps
Ytterbium	176-2	277	390	370	346	17.51	cps
Yttrium	89-1	25615652	27558259	28245612	27139841	5.03	cps
Yttrium	89-2	2229964	2263090	2228083	2240379	0.88	cps
Zinc	66-2	233	297	273	268	11.96	cps
Zirconium	90-1	810	883	1033	909	12.53	cps
Zirconium	91-1	160	160	183	168	8.03	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166302BS	Instrumnet Name :	P8
Client Sample ID :	LCS302	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:26:08	DataFile Name :	023LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3274	3400	3227	3300	2.72	cps
Antimony	121-1	64659	64458	64759	64625	0.24	cps
Arsenic	75-2	793	733	803	777	4.88	cps
Barium	135-1	74369	75593	75931	75298	1.09	cps
Barium	137-1	130644	132471	131185	131433	0.71	cps
Beryllium	9-1	13783	13721	13761	13755	0.23	cps
Bismuth	209-1	12116603	12359152	12290629	12255461	1.02	cps
Bismuth	209-2	5550786	5554413	5628784	5577994	0.79	cps
Bromine	81-1	4647	4611	4698	4652	0.94	cps
Cadmium	108-1	663	550	607	607	9.34	cps
Cadmium	106-1	8896	8733	9040	8890	1.73	cps
Cadmium	111-1	13545	13914	14242	13901	2.51	cps
Calcium	43-1	69791	70535	70264	70197	0.54	cps
Calcium	44-1	1056740	1076058	1059652	1064150	0.98	cps
Carbon	12-1	6318796	6366188	6324486	6336490	0.41	cps
Carbon	12-2	40994	40412	41308	40905	1.11	cps
Chlorine	35-1	3779954	3854570	3868246	3834257	1.24	cps
Chlorine	35-2	16162	16123	16666	16317	1.86	cps
Chromium	52-2	17007	16199	16506	16571	2.46	cps
Cobalt	59-2	15368	15826	15669	15621	1.49	cps
Copper	63-2	30252	29364	29721	29779	1.50	cps
Dysprosium	156-1	27	27	37	30	19.24	cps
Dysprosium	156-2	3	3	10	6	69.34	cps
Erbium	164-1	103	127	93	108	15.87	cps
Erbium	164-2	40	53	43	46	15.23	cps
Gadolinium	160-1	143	100	100	114	21.86	cps
Gadolinium	160-2	23	23	33	27	21.65	cps
Holmium	165-1	19253498	19517638	19340149	19370428	0.70	cps
Holmium	165-2	7416905	7593457	7494892	7501751	1.18	cps
Indium	115-1	15657101	16045059	15963969	15888710	1.29	cps
Indium	115-2	1717998	1793015	1767522	1759512	2.17	cps
Iron	54-2	67187	68135	66383	67235	1.30	cps
Iron	56-2	1229361	1214243	1233494	1225699	0.83	cps
Iron	57-2	30693	30543	30593	30610	0.25	cps
Krypton	83-1	317	293	297	302	4.18	cps
Lead	206-1	27579	27382	27008	27323	1.06	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166302BS	Instrumnet Name :	P8
Client Sample ID :	LCS302	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:26:08	DataFile Name :	023LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	23902	24059	24012	23991	0.34	cps
Lead	208-1	109645	109491	109502	109546	0.08	cps
Lithium	6-1	9183663	9085588	9072901	9114051	0.67	cps
Magnesium	24-2	260177	263001	259430	260869	0.72	cps
Manganese	55-2	3627	3447	3484	3519	2.70	cps
Molybdenum	94-1	67727	68169	68430	68109	0.52	cps
Molybdenum	95-1	81155	81598	82630	81794	0.93	cps
Molybdenum	96-1	90549	91526	91076	91050	0.54	cps
Molybdenum	97-1	50632	51656	50813	51033	1.07	cps
Molybdenum	98-1	128593	131509	131237	130446	1.24	cps
Neodymium	150-1	20	33	20	24	31.49	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	5018	4781	4878	4892	2.43	cps
Phosphorus	31-2	310	297	300	302	2.30	cps
Potassium	39-2	170215	168784	172002	170334	0.95	cps
Rhodium	103-1	15230346	15372071	15046093	15216170	1.07	cps
Rhodium	103-2	6435186	6416861	6433471	6428506	0.16	cps
Scandium	45-1	11534989	11539592	11604306	11559629	0.34	cps
Scandium	45-2	241964	241534	243539	242346	0.44	cps
Selenium	82-1	2410	2330	2830	2524	10.64	cps
Selenium	77-2	57	60	30	49	33.63	cps
Selenium	78-2	167	173	183	174	4.81	cps
Silicon	28-1	918820	914795	896801	910138	1.29	cps
Silver	107-1	41155	40647	41773	41191	1.37	cps
Silver	109-1	37581	39172	38246	38333	2.08	cps
Sodium	23-2	606646	597761	601383	601930	0.74	cps
Strontium	86-1	2405112	2403385	2450534	2419677	1.10	cps
Strontium	88-1	20334471	20753947	20254269	20447562	1.31	cps
Sulfur	34-1	821558	818173	826185	821972	0.49	cps
Terbium	159-1	19728958	20023628	19552347	19768311	1.20	cps
Terbium	159-2	7173674	7371543	7271304	7272174	1.36	cps
Thallium	203-1	31321	30730	31064	31038	0.96	cps
Thallium	205-1	73614	74472	73832	73973	0.60	cps
Tin	118-1	131046	130595	131096	130913	0.21	cps
Titanium	47-1	6568	6718	6655	6647	1.13	cps
Uranium	238-1	92726	94834	94364	93975	1.18	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166302BS	Instrumnet Name :	P8
Client Sample ID :	LCS302	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:26:08	DataFile Name :	023LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	31769	32614	32333	32239	1.34	cps
Ytterbium	172-1	73	83	103	87	17.63	cps
Ytterbium	172-2	57	57	53	56	3.47	cps
Ytterbium	176-1	2140	2090	2100	2110	1.25	cps
Ytterbium	176-2	400	377	410	396	4.32	cps
Yttrium	89-1	28068479	28499932	28233161	28267191	0.77	cps
Yttrium	89-2	2249290	2232527	2230263	2237360	0.46	cps
Zinc	66-2	6795	7045	7085	6975	2.25	cps
Zirconium	90-1	55239	57582	56112	56311	2.10	cps
Zirconium	91-1	12679	12589	12899	12723	1.25	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-01	Instrumnet Name :	P8
Client Sample ID :	YE8C9	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:29:24	DataFile Name :	024AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1745831	1739619	1753633	1746361	0.40	cps
Antimony	121-1	19000	19941	19751	19564	2.54	cps
Arsenic	75-2	22395	21289	22097	21927	2.61	cps
Barium	135-1	929620	942139	941045	937601	0.74	cps
Barium	137-1	1709249	1707702	1728554	1715168	0.68	cps
Beryllium	9-1	7276	7362	7147	7262	1.49	cps
Bismuth	209-1	12367087	12208424	11922114	12165875	1.85	cps
Bismuth	209-2	5562356	5461533	5438884	5487591	1.20	cps
Bromine	81-1	8222	8593	8996	8604	4.50	cps
Cadmium	108-1	167	167	183	172	5.59	cps
Cadmium	106-1	8329	8176	7966	8157	2.24	cps
Cadmium	111-1	6514	6363	6308	6395	1.67	cps
Calcium	43-1	341380	345488	342408	343092	0.62	cps
Calcium	44-1	5711776	5718151	5664838	5698255	0.51	cps
Carbon	12-1	6764127	6946198	7000041	6903455	1.79	cps
Carbon	12-2	44337	44664	44885	44629	0.62	cps
Chlorine	35-1	190148251	208984690	218897470	206010137	7.09	cps
Chlorine	35-2	958065	960269	963823	960719	0.30	cps
Chromium	52-2	211472	213309	213262	212681	0.49	cps
Cobalt	59-2	224299	221944	223460	223234	0.53	cps
Copper	63-2	589878	593144	589227	590750	0.36	cps
Dysprosium	156-1	68313	70484	69415	69404	1.56	cps
Dysprosium	156-2	29068	28744	27769	28527	2.37	cps
Erbium	164-1	66160	67383	67222	66922	0.99	cps
Erbium	164-2	24930	24810	25381	25040	1.20	cps
Gadolinium	160-1	73270	74272	73813	73785	0.68	cps
Gadolinium	160-2	33612	33632	33155	33466	0.81	cps
Holmium	165-1	19778823	19497161	19257355	19511113	1.34	cps
Holmium	165-2	7515765	7491881	7457653	7488433	0.39	cps
Indium	115-1	16328076	15822934	15825733	15992248	1.82	cps
Indium	115-2	1741415	1678549	1724898	1714954	1.90	cps
Iron	54-2	10229255	10226228	10217131	10224205	0.06	cps
Iron	56-2	192123244	189571537	189007371	190234051	0.87	cps
Iron	57-2	4826589	4868687	4754849	4816708	1.19	cps
Krypton	83-1	400	467	317	394	19.05	cps
Lead	206-1	329196	334159	331329	331561	0.75	cps

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-01	Instrumnet Name :	P8
Client Sample ID :	YE8C9	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:29:24	DataFile Name :	024AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	273623	275366	272563	273851	0.52	cps
Lead	208-1	1279234	1295407	1287870	1287504	0.63	cps
Lithium	6-1	9728153	9447441	9491867	9555820	1.58	cps
Magnesium	24-2	3112749	3033313	3029312	3058458	1.54	cps
Manganese	55-2	829779	831306	828288	829791	0.18	cps
Molybdenum	94-1	17137	17154	17171	17154	0.10	cps
Molybdenum	95-1	10791	11245	11568	11201	3.49	cps
Molybdenum	96-1	14224	14307	14281	14271	0.30	cps
Molybdenum	97-1	6518	7342	6992	6951	5.95	cps
Molybdenum	98-1	17761	17985	17781	17843	0.69	cps
Neodymium	150-1	74167	74612	74090	74290	0.38	cps
Neodymium	150-2	19865	20299	19938	20034	1.16	cps
Nickel	60-2	160497	162698	160601	161266	0.77	cps
Phosphorus	31-2	2514	2634	2754	2634	4.56	cps
Potassium	39-2	111318	109437	109558	110105	0.96	cps
Rhodium	103-1	15567395	15197186	15169258	15311280	1.45	cps
Rhodium	103-2	6423459	6160690	6354411	6312853	2.16	cps
Scandium	45-1	12388229	12062567	12199588	12216795	1.34	cps
Scandium	45-2	247663	243425	242493	244527	1.13	cps
Selenium	82-1	213	160	347	240	40.06	cps
Selenium	77-2	143	127	107	126	14.62	cps
Selenium	78-2	113	87	107	102	13.57	cps
Silicon	28-1	82702867	83037547	82947939	82896118	0.21	cps
Silver	107-1	9410	8964	7886	8753	8.95	cps
Silver	109-1	8760	7605	7069	7811	11.06	cps
Sodium	23-2	118771	119884	120095	119583	0.59	cps
Strontium	86-1	301260	303384	300985	301876	0.43	cps
Strontium	88-1	2734052	2714745	2677598	2708798	1.06	cps
Sulfur	34-1	730754	702343	688487	707195	3.05	cps
Terbium	159-1	20555127	20275380	19773473	20201327	1.96	cps
Terbium	159-2	7347072	7388351	7167744	7301055	1.61	cps
Thallium	203-1	3494	3731	3734	3653	3.77	cps
Thallium	205-1	8379	8656	9090	8709	4.11	cps
Tin	118-1	6365	6218	6572	6385	2.78	cps
Titanium	47-1	64477	64357	64725	64520	0.29	cps
Uranium	238-1	23959	24317	23913	24063	0.92	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-01	Instrumnet Name :	P8
Client Sample ID :	YE8C9	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:29:24	DataFile Name :	024AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	210630	209405	209367	209801	0.34	cps
Ytterbium	172-1	19194	19201	18987	19127	0.64	cps
Ytterbium	172-2	8690	8446	8590	8575	1.43	cps
Ytterbium	176-1	13467	13841	13477	13595	1.57	cps
Ytterbium	176-2	5698	5851	5948	5832	2.16	cps
Yttrium	89-1	30693239	29634201	29299505	29875648	2.44	cps
Yttrium	89-2	2349651	2251254	2271014	2290639	2.27	cps
Zinc	66-2	87565	86438	86998	87000	0.65	cps
Zirconium	90-1	28703	29411	28963	29026	1.23	cps
Zirconium	91-1	6502	6508	6558	6523	0.48	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-02	Instrumnet Name :	P8
Client Sample ID :	YE8C9D	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:32:40	DataFile Name :	025AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1730578	1748498	1703314	1727464	1.32	cps
Antimony	121-1	17852	18145	17568	17855	1.62	cps
Arsenic	75-2	21353	21203	21707	21421	1.21	cps
Barium	135-1	930081	943585	937372	937013	0.72	cps
Barium	137-1	1662805	1681762	1688044	1677537	0.78	cps
Beryllium	9-1	7236	7112	7300	7216	1.32	cps
Bismuth	209-1	12330949	12163881	12211511	12235447	0.70	cps
Bismuth	209-2	5415605	5514438	5531173	5487072	1.14	cps
Bromine	81-1	7856	8096	8649	8200	4.96	cps
Cadmium	108-1	157	163	147	156	5.39	cps
Cadmium	106-1	7515	7932	7786	7744	2.73	cps
Cadmium	111-1	5971	6308	6137	6139	2.75	cps
Calcium	43-1	337552	340213	341638	339801	0.61	cps
Calcium	44-1	5506491	5638026	5607871	5584130	1.23	cps
Carbon	12-1	7009135	6922890	6968374	6966800	0.62	cps
Carbon	12-2	44989	44935	44049	44658	1.18	cps
Chlorine	35-1	208527370	225113817	227999010	220546732	4.76	cps
Chlorine	35-2	991874	993503	1007139	997506	0.84	cps
Chromium	52-2	212406	213043	211314	212254	0.41	cps
Cobalt	59-2	224448	223605	221900	223317	0.58	cps
Copper	63-2	593734	590620	587671	590675	0.51	cps
Dysprosium	156-1	68940	69908	69325	69391	0.70	cps
Dysprosium	156-2	28317	28390	27979	28229	0.78	cps
Erbium	164-1	67523	68117	67208	67616	0.68	cps
Erbium	164-2	25845	24620	25381	25282	2.45	cps
Gadolinium	160-1	72881	73317	73591	73263	0.49	cps
Gadolinium	160-2	34404	33241	32937	33528	2.31	cps
Holmium	165-1	19835758	19641555	19851167	19776160	0.59	cps
Holmium	165-2	7683949	7431959	7473391	7529766	1.79	cps
Indium	115-1	16047856	15969816	15763247	15926973	0.92	cps
Indium	115-2	1743624	1711153	1697138	1717305	1.39	cps
Iron	54-2	10155342	10380408	10123045	10219598	1.37	cps
Iron	56-2	187466857	189705264	190561104	189244408	0.84	cps
Iron	57-2	4808968	4745966	4687421	4747452	1.28	cps
Krypton	83-1	427	433	417	426	1.97	cps
Lead	206-1	333348	332114	335246	333569	0.47	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-02	Instrumnet Name :	P8
Client Sample ID :	YE8C9D	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:32:40	DataFile Name :	025AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	272065	272360	272003	272143	0.07	cps
Lead	208-1	1285593	1287742	1291155	1288164	0.22	cps
Lithium	6-1	9360916	9493849	9301394	9385387	1.05	cps
Magnesium	24-2	3045472	3022748	3080531	3049584	0.95	cps
Manganese	55-2	818554	828289	814348	820397	0.87	cps
Molybdenum	94-1	16306	16583	16827	16572	1.57	cps
Molybdenum	95-1	10714	11028	11241	10994	2.41	cps
Molybdenum	96-1	14151	13557	13623	13777	2.36	cps
Molybdenum	97-1	6715	6632	7019	6788	3.00	cps
Molybdenum	98-1	17371	17391	17378	17380	0.06	cps
Neodymium	150-1	73362	73560	73835	73586	0.32	cps
Neodymium	150-2	20075	19391	20182	19883	2.16	cps
Nickel	60-2	162081	161161	160099	161114	0.62	cps
Phosphorus	31-2	2434	2594	2647	2558	4.34	cps
Potassium	39-2	108578	107963	108987	108509	0.47	cps
Rhodium	103-1	15183770	15285020	15205302	15224697	0.35	cps
Rhodium	103-2	6230789	6238997	6266669	6245485	0.30	cps
Scandium	45-1	11847289	11943483	11911652	11900808	0.41	cps
Scandium	45-2	243850	243367	242660	243292	0.25	cps
Selenium	82-1	360	220	107	229	55.44	cps
Selenium	77-2	100	140	130	123	16.88	cps
Selenium	78-2	130	107	87	108	20.12	cps
Silicon	28-1	85237515	84111012	84819730	84722753	0.67	cps
Silver	107-1	7135	7592	7666	7464	3.85	cps
Silver	109-1	6898	7032	7079	7003	1.33	cps
Sodium	23-2	119336	120469	120734	120179	0.62	cps
Strontium	86-1	297829	297756	300403	298663	0.50	cps
Strontium	88-1	2688495	2692233	2643071	2674600	1.02	cps
Sulfur	34-1	638302	621797	612870	624323	2.07	cps
Terbium	159-1	20065968	20273168	20355997	20231711	0.74	cps
Terbium	159-2	7378496	7299334	7360302	7346044	0.56	cps
Thallium	203-1	3464	3447	3501	3470	0.79	cps
Thallium	205-1	7909	8343	9070	8441	6.95	cps
Tin	118-1	5938	5738	5778	5818	1.82	cps
Titanium	47-1	60852	61461	61180	61164	0.50	cps
Uranium	238-1	24317	24651	24343	24437	0.76	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-02	Instrumnet Name :	P8
Client Sample ID :	YE8C9D	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:32:40	DataFile Name :	025AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	208830	207606	206968	207801	0.46	cps
Ytterbium	172-1	19241	19050	19605	19299	1.46	cps
Ytterbium	172-2	9073	8590	8890	8851	2.76	cps
Ytterbium	176-1	13280	13751	13904	13645	2.38	cps
Ytterbium	176-2	5575	5805	5941	5774	3.21	cps
Yttrium	89-1	29699067	29654790	29193750	29515869	0.95	cps
Yttrium	89-2	2323999	2240467	2324232	2296233	2.10	cps
Zinc	66-2	85989	86113	86086	86062	0.08	cps
Zirconium	90-1	27958	28579	28529	28356	1.22	cps
Zirconium	91-1	6715	6715	6502	6644	1.85	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-01LX5	Instrumnet Name :	P8
Client Sample ID :	YE8C9L	Dilution Factor :	5
Date & Time Acquired :	2025-02-06 13:35:53	DataFile Name :	026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	337980	334034	334637	335550	0.63	cps
Antimony	121-1	4107	4307	4021	4145	3.55	cps
Arsenic	75-2	4151	4291	4137	4193	2.03	cps
Barium	135-1	181522	184641	185100	183755	1.06	cps
Barium	137-1	319382	324672	320450	321501	0.87	cps
Beryllium	9-1	1667	1664	1662	1664	0.16	cps
Bismuth	209-1	12309079	11903371	12236157	12149536	1.78	cps
Bismuth	209-2	5615341	5564071	5517966	5565793	0.88	cps
Bromine	81-1	5338	5494	5391	5408	1.47	cps
Cadmium	108-1	67	57	57	60	9.62	cps
Cadmium	106-1	7162	7315	7545	7341	2.63	cps
Cadmium	111-1	5160	5301	5422	5294	2.48	cps
Calcium	43-1	66278	67517	66975	66923	0.93	cps
Calcium	44-1	1100936	1110849	1110683	1107489	0.51	cps
Carbon	12-1	6274038	6427696	6360316	6354017	1.21	cps
Carbon	12-2	40790	40425	40459	40558	0.50	cps
Chlorine	35-1	50806958	53197633	53051444	52352011	2.56	cps
Chlorine	35-2	229066	226728	227067	227620	0.56	cps
Chromium	52-2	45372	44857	45328	45186	0.63	cps
Cobalt	59-2	44924	44355	44225	44502	0.83	cps
Copper	63-2	120045	119655	120522	120074	0.36	cps
Dysprosium	156-1	13594	13373	13627	13531	1.02	cps
Dysprosium	156-2	5568	5478	5655	5567	1.59	cps
Erbium	164-1	13097	13353	13253	13234	0.98	cps
Erbium	164-2	5018	5361	4941	5107	4.38	cps
Gadolinium	160-1	14248	14638	14641	14509	1.56	cps
Gadolinium	160-2	6862	6605	6892	6786	2.32	cps
Holmium	165-1	19489226	19348707	19395963	19411299	0.37	cps
Holmium	165-2	7471267	7562461	7413469	7482399	1.00	cps
Indium	115-1	15837411	15301313	15951274	15696666	2.21	cps
Indium	115-2	1709885	1722488	1748508	1726961	1.14	cps
Iron	54-2	2064665	2047138	2089622	2067142	1.03	cps
Iron	56-2	37324027	37067674	37760298	37384000	0.94	cps
Iron	57-2	913591	908876	917733	913400	0.49	cps
Krypton	83-1	323	330	343	332	3.07	cps
Lead	206-1	67638	68201	68158	67999	0.46	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-01LX5	Instrumnet Name :	P8
Client Sample ID :	YE8C9L	Dilution Factor :	5
Date & Time Acquired :	2025-02-06 13:35:53	DataFile Name :	026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	55073	56513	56124	55903	1.33	cps
Lead	208-1	258354	262477	261679	260837	0.84	cps
Lithium	6-1	9249331	9195619	9275852	9240267	0.44	cps
Magnesium	24-2	589488	591754	591539	590927	0.21	cps
Manganese	55-2	164371	162948	164493	163937	0.52	cps
Molybdenum	94-1	3734	3857	3617	3736	3.21	cps
Molybdenum	95-1	2260	2464	2427	2384	4.55	cps
Molybdenum	96-1	2794	3160	3350	3101	9.13	cps
Molybdenum	97-1	1343	1570	1560	1491	8.59	cps
Molybdenum	98-1	3877	3701	4001	3859	3.91	cps
Neodymium	150-1	14408	14495	14972	14625	2.08	cps
Neodymium	150-2	3884	4047	3804	3912	3.17	cps
Nickel	60-2	31999	31976	33052	32342	1.90	cps
Phosphorus	31-2	647	653	490	597	15.49	cps
Potassium	39-2	32493	32680	32583	32586	0.29	cps
Rhodium	103-1	15409576	15182919	15177809	15256768	0.87	cps
Rhodium	103-2	6347515	6290771	6482216	6373501	1.54	cps
Scandium	45-1	11692247	11549627	11613779	11618551	0.61	cps
Scandium	45-2	238796	237870	238820	238495	0.23	cps
Selenium	82-1	0	27	-23	1	2247.18	cps
Selenium	77-2	30	20	43	31	37.62	cps
Selenium	78-2	30	17	40	29	40.51	cps
Silicon	28-1	16367544	16722109	16365314	16484989	1.25	cps
Silver	107-1	1810	1857	1770	1812	2.39	cps
Silver	109-1	1567	1473	1533	1525	3.10	cps
Sodium	23-2	76988	75996	76157	76380	0.70	cps
Strontium	86-1	57879	59208	58485	58524	1.14	cps
Strontium	88-1	497520	508064	502928	502837	1.05	cps
Sulfur	34-1	594496	593645	593281	593807	0.10	cps
Terbium	159-1	20703488	20023937	20155433	20294286	1.78	cps
Terbium	159-2	7335941	7172999	7215774	7241571	1.17	cps
Thallium	203-1	1207	1117	1187	1170	4.04	cps
Thallium	205-1	2900	2757	2717	2791	3.45	cps
Tin	118-1	2834	2580	2534	2649	6.09	cps
Titanium	47-1	12435	12479	12516	12477	0.32	cps
Uranium	238-1	4858	4798	4648	4768	2.27	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-01LX5	Instrumnet Name :	P8
Client Sample ID :	YE8C9L	Dilution Factor :	5
Date & Time Acquired :	2025-02-06 13:35:53	DataFile Name :	026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	41430	40781	41259	41157	0.82	cps
Ytterbium	172-1	3774	3911	3574	3753	4.51	cps
Ytterbium	172-2	1700	1663	1787	1717	3.69	cps
Ytterbium	176-1	4277	4117	4337	4244	2.68	cps
Ytterbium	176-2	1377	1397	1483	1419	4.00	cps
Yttrium	89-1	28647396	28097670	28649041	28464702	1.12	cps
Yttrium	89-2	2239219	2235474	2228305	2234333	0.25	cps
Zinc	66-2	17561	17431	17364	17452	0.57	cps
Zirconium	90-1	6271	6291	6535	6366	2.30	cps
Zirconium	91-1	1317	1440	1403	1387	4.57	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-03	Instrumnet Name :	P8
Client Sample ID :	YE8C9S	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:39:12	DataFile Name :	027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1762488	1788228	1803263	1784659	1.16	cps
Antimony	121-1	364549	371925	369127	368534	1.01	cps
Arsenic	75-2	24695	24271	24157	24375	1.16	cps
Barium	135-1	2594845	2652408	2638873	2628709	1.14	cps
Barium	137-1	4462798	4578681	4524044	4521841	1.28	cps
Beryllium	9-1	72897	74184	73589	73557	0.88	cps
Bismuth	209-1	12286055	12223434	12202502	12237330	0.36	cps
Bismuth	209-2	5484142	5548184	5481323	5504550	0.69	cps
Bromine	81-1	7862	8486	8116	8155	3.85	cps
Cadmium	108-1	3017	3287	3260	3188	4.67	cps
Cadmium	106-1	11565	11101	11462	11376	2.14	cps
Cadmium	111-1	47633	47116	47852	47534	0.79	cps
Calcium	43-1	394188	400362	403521	399357	1.19	cps
Calcium	44-1	6245770	6386683	6392226	6341560	1.31	cps
Carbon	12-1	6847622	7055577	6986207	6963135	1.52	cps
Carbon	12-2	44427	45517	45493	45146	1.38	cps
Chlorine	35-1	213483563	227933837	232241843	224553081	4.38	cps
Chlorine	35-2	1010907	1023508	1031147	1021854	1.00	cps
Chromium	52-2	383963	384948	383500	384137	0.19	cps
Cobalt	59-2	1036248	1024623	1036290	1032387	0.65	cps
Copper	63-2	903870	903207	899971	902349	0.23	cps
Dysprosium	156-1	68371	70240	69298	69303	1.35	cps
Dysprosium	156-2	28307	28480	28607	28465	0.53	cps
Erbium	164-1	66345	66947	67098	66797	0.60	cps
Erbium	164-2	24890	24940	24930	24920	0.11	cps
Gadolinium	160-1	72938	74335	74671	73981	1.24	cps
Gadolinium	160-2	33863	34124	33780	33922	0.53	cps
Holmium	165-1	19883601	19847788	19622215	19784535	0.72	cps
Holmium	165-2	7485804	7369839	7492251	7449298	0.92	cps
Indium	115-1	16140984	16058698	15991810	16063831	0.47	cps
Indium	115-2	1726234	1731777	1750538	1736183	0.73	cps
Iron	54-2	10261014	10149811	10251219	10220681	0.60	cps
Iron	56-2	189504231	187783984	188663631	188650615	0.46	cps
Iron	57-2	4926716	4770378	4805427	4834174	1.70	cps
Krypton	83-1	523	490	447	487	7.90	cps
Lead	206-1	380528	387880	388492	385633	1.15	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-03	Instrumnet Name :	P8
Client Sample ID :	YE8C9S	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:39:12	DataFile Name :	027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	313538	316918	318589	316348	0.81	cps
Lead	208-1	1467180	1495210	1499787	1487392	1.19	cps
Lithium	6-1	9554666	9452501	9502196	9503121	0.54	cps
Magnesium	24-2	3047230	3031210	3011265	3029902	0.59	cps
Manganese	55-2	992916	997680	1000223	996940	0.37	cps
Molybdenum	94-1	570082	583598	581532	578404	1.26	cps
Molybdenum	95-1	964386	976000	986721	975703	1.14	cps
Molybdenum	96-1	1033204	1055957	1042723	1043961	1.09	cps
Molybdenum	97-1	601866	618077	607847	609263	1.35	cps
Molybdenum	98-1	1639148	1641827	1648769	1643248	0.30	cps
Neodymium	150-1	72032	75668	74401	74034	2.49	cps
Neodymium	150-2	20392	20202	19881	20159	1.28	cps
Nickel	60-2	383151	382666	384503	383440	0.25	cps
Phosphorus	31-2	2717	2627	2627	2657	1.96	cps
Potassium	39-2	110919	111392	112799	111703	0.88	cps
Rhodium	103-1	15530934	15331961	15383473	15415456	0.67	cps
Rhodium	103-2	6486487	6339533	6362515	6396178	1.24	cps
Scandium	45-1	12227882	12035901	12029445	12097743	0.93	cps
Scandium	45-2	246025	245223	244175	245141	0.38	cps
Selenium	82-1	1080	1070	1160	1103	4.47	cps
Selenium	77-2	150	150	103	134	20.04	cps
Selenium	78-2	173	163	153	163	6.12	cps
Silicon	28-1	84884799	89305352	87809672	87333274	2.57	cps
Silver	107-1	212861	220654	218849	217455	1.88	cps
Silver	109-1	201956	208063	207121	205713	1.60	cps
Sodium	23-2	118567	120898	121241	120235	1.21	cps
Strontium	86-1	11749688	11667563	11455947	11624399	1.30	cps
Strontium	88-1	101568328	101082138	100299619	100983362	0.63	cps
Sulfur	34-1	596225	588764	586871	590620	0.84	cps
Terbium	159-1	20566569	20413694	20300203	20426822	0.65	cps
Terbium	159-2	7279333	7368131	7299808	7315758	0.64	cps
Thallium	203-1	156283	159999	161585	159289	1.71	cps
Thallium	205-1	380318	382762	383225	382102	0.41	cps
Tin	118-1	8090	5585	5478	6384	23.16	cps
Titanium	47-1	59349	60366	61113	60276	1.47	cps
Uranium	238-1	24267	24751	24450	24489	1.00	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1159-03	Instrumnet Name :	P8
Client Sample ID :	YE8C9S	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:39:12	DataFile Name :	027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	540010	534311	540650	538323	0.65	cps
Ytterbium	172-1	18970	19144	19765	19293	2.17	cps
Ytterbium	172-2	9016	8820	9033	8956	1.33	cps
Ytterbium	176-1	13200	13437	13767	13468	2.12	cps
Ytterbium	176-2	5831	5855	5658	5781	1.86	cps
Yttrium	89-1	30158977	29321116	29133224	29537772	1.85	cps
Yttrium	89-2	2289907	2315143	2287693	2297581	0.66	cps
Zinc	66-2	153777	155310	152585	153891	0.89	cps
Zirconium	90-1	27257	27808	28309	27791	1.89	cps
Zirconium	91-1	6245	6281	6322	6283	0.61	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166317BL	Instrumnet Name :	P8
Client Sample ID :	PBW317	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:42:22	DataFile Name :	028CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2274	2207	2317	2266	2.45	cps
Antimony	121-1	153	103	107	121	23.08	cps
Arsenic	75-2	0	7	0	2	173.21	cps
Barium	135-1	433	353	360	382	11.61	cps
Barium	137-1	537	403	423	454	15.82	cps
Beryllium	9-1	379	409	382	390	4.19	cps
Bismuth	209-1	12032972	12078667	12278667	12130102	1.08	cps
Bismuth	209-2	5622515	5634914	5736073	5664501	1.10	cps
Bromine	81-1	4758	4631	4691	4693	1.35	cps
Cadmium	108-1	23	13	23	20	28.87	cps
Cadmium	106-1	7352	7152	7335	7280	1.53	cps
Cadmium	111-1	5177	5034	5152	5121	1.49	cps
Calcium	43-1	510	467	490	489	4.44	cps
Calcium	44-1	33519	33192	32216	32976	2.06	cps
Carbon	12-1	6348860	6370376	6439226	6386154	0.74	cps
Carbon	12-2	42568	41692	42548	42269	1.18	cps
Chlorine	35-1	13994164	12702634	11513723	12736840	9.74	cps
Chlorine	35-2	41984	40590	37726	40100	5.41	cps
Chromium	52-2	1073	1250	1273	1199	9.12	cps
Cobalt	59-2	163	160	147	157	5.63	cps
Copper	63-2	5621	5698	5835	5718	1.89	cps
Dysprosium	156-1	27	23	20	23	14.29	cps
Dysprosium	156-2	7	7	3	6	34.70	cps
Erbium	164-1	100	93	90	94	5.39	cps
Erbium	164-2	33	37	37	36	5.42	cps
Gadolinium	160-1	113	130	123	122	6.86	cps
Gadolinium	160-2	13	10	20	14	35.26	cps
Holmium	165-1	19528713	19446176	19343748	19439546	0.48	cps
Holmium	165-2	7650811	7542383	7522175	7571789	0.91	cps
Indium	115-1	16088011	15851424	15622206	15853880	1.47	cps
Indium	115-2	1779436	1789784	1791852	1787024	0.37	cps
Iron	54-2	1193	1170	1040	1135	7.28	cps
Iron	56-2	19507	18563	16036	18035	9.95	cps
Iron	57-2	507	423	480	470	9.06	cps
Krypton	83-1	310	347	257	304	14.87	cps
Lead	206-1	2414	2367	2230	2337	4.08	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166317BL	Instrumnet Name :	P8
Client Sample ID :	PBW317	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:42:22	DataFile Name :	028CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2057	1987	1810	1951	6.52	cps
Lead	208-1	9465	9238	8681	9128	4.42	cps
Lithium	6-1	9128261	9261173	9068561	9152665	1.08	cps
Magnesium	24-2	1910	1797	1827	1845	3.18	cps
Manganese	55-2	230	200	190	207	10.07	cps
Molybdenum	94-1	453	480	493	476	4.28	cps
Molybdenum	95-1	357	343	197	299	29.70	cps
Molybdenum	96-1	387	380	393	387	1.72	cps
Molybdenum	97-1	207	200	217	208	4.04	cps
Molybdenum	98-1	480	430	543	484	11.72	cps
Neodymium	150-1	20	20	30	23	24.74	cps
Neodymium	150-2	7	0	3	3	100.05	cps
Nickel	60-2	733	917	877	842	11.45	cps
Phosphorus	31-2	93	107	107	102	7.53	cps
Potassium	39-2	13386	13573	13980	13647	2.23	cps
Rhodium	103-1	15444821	15414268	15178296	15345795	0.95	cps
Rhodium	103-2	6399306	6400496	6493278	6431027	0.84	cps
Scandium	45-1	11533108	11255375	11458275	11415586	1.26	cps
Scandium	45-2	238427	235446	236182	236685	0.66	cps
Selenium	82-1	-53	-100	47	-36	-210.75	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	7	10	37	18	92.48	cps
Silicon	28-1	662494	665371	666144	664670	0.29	cps
Silver	107-1	563	513	480	519	8.08	cps
Silver	109-1	420	433	363	406	9.17	cps
Sodium	23-2	69571	68500	68825	68965	0.80	cps
Strontium	86-1	1483	1480	1283	1416	8.09	cps
Strontium	88-1	8420	8794	6382	7865	16.51	cps
Sulfur	34-1	595609	595989	598289	596629	0.24	cps
Terbium	159-1	20076648	19797390	19872422	19915487	0.73	cps
Terbium	159-2	7380266	7316542	7325484	7340764	0.47	cps
Thallium	203-1	760	673	607	680	11.31	cps
Thallium	205-1	1760	1823	1670	1751	4.40	cps
Tin	118-1	2064	1980	1963	2002	2.68	cps
Titanium	47-1	323	250	317	297	13.67	cps
Uranium	238-1	47	27	33	36	28.64	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166317BL	Instrumnet Name :	P8
Client Sample ID :	PBW317	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:42:22	DataFile Name :	028CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	43	47	57	49	14.20	cps
Ytterbium	172-1	107	127	93	109	15.41	cps
Ytterbium	172-2	23	47	53	41	38.32	cps
Ytterbium	176-1	1873	1787	1830	1830	2.37	cps
Ytterbium	176-2	337	280	353	323	11.89	cps
Yttrium	89-1	28121682	28208851	28051239	28127257	0.28	cps
Yttrium	89-2	2227866	2234095	2254717	2238893	0.63	cps
Zinc	66-2	353	323	347	341	4.62	cps
Zirconium	90-1	1033	1120	983	1046	6.61	cps
Zirconium	91-1	163	157	203	174	14.47	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166317BS	Instrumnet Name :	P8
Client Sample ID :	LCS317	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:45:42	DataFile Name :	029LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3640	3347	3510	3499	4.20	cps
Antimony	121-1	71314	72883	72605	72267	1.16	cps
Arsenic	75-2	870	830	707	802	10.61	cps
Barium	135-1	82312	83331	84008	83217	1.03	cps
Barium	137-1	145251	145361	145257	145290	0.04	cps
Beryllium	9-1	14688	14813	14670	14724	0.53	cps
Bismuth	209-1	12568279	12031134	12368924	12322779	2.20	cps
Bismuth	209-2	5580530	5631957	5612088	5608192	0.46	cps
Bromine	81-1	4838	4818	4921	4859	1.13	cps
Cadmium	108-1	667	743	807	739	9.49	cps
Cadmium	106-1	8199	8122	8429	8250	1.94	cps
Cadmium	111-1	14149	14205	14199	14184	0.22	cps
Calcium	43-1	61705	61641	62200	61849	0.49	cps
Calcium	44-1	1025915	1028159	1032511	1028862	0.33	cps
Carbon	12-1	6552620	6758098	6770214	6693644	1.83	cps
Carbon	12-2	44634	44795	44741	44723	0.18	cps
Chlorine	35-1	7399696	7425849	7294941	7373495	0.94	cps
Chlorine	35-2	29012	28041	28141	28398	1.88	cps
Chromium	52-2	18559	18188	18876	18541	1.86	cps
Cobalt	59-2	17578	17568	17261	17469	1.03	cps
Copper	63-2	34652	34104	34255	34337	0.82	cps
Dysprosium	156-1	27	40	27	31	24.74	cps
Dysprosium	156-2	7	13	3	8	65.47	cps
Erbium	164-1	110	90	100	100	10.00	cps
Erbium	164-2	43	37	33	38	13.48	cps
Gadolinium	160-1	100	117	157	124	23.40	cps
Gadolinium	160-2	7	20	13	13	49.99	cps
Holmium	165-1	19565556	19119774	19347311	19344214	1.15	cps
Holmium	165-2	7542050	7575041	7408020	7508370	1.18	cps
Indium	115-1	15938629	15898064	15933164	15923285	0.14	cps
Indium	115-2	1766506	1752352	1751740	1756866	0.48	cps
Iron	54-2	74175	73548	73029	73584	0.78	cps
Iron	56-2	1352827	1335482	1335979	1341429	0.74	cps
Iron	57-2	33633	33974	33880	33829	0.52	cps
Krypton	83-1	273	300	263	279	6.80	cps
Lead	206-1	28996	29978	29477	29484	1.67	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166317BS	Instrumnet Name :	P8
Client Sample ID :	LCS317	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:45:42	DataFile Name :	029LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	25979	25535	25298	25604	1.35	cps
Lead	208-1	116400	117189	116997	116862	0.35	cps
Lithium	6-1	9087727	8915022	9006826	9003192	0.96	cps
Magnesium	24-2	282291	286409	283872	284191	0.73	cps
Manganese	55-2	3744	3877	3764	3795	1.90	cps
Molybdenum	94-1	74706	76603	76405	75904	1.37	cps
Molybdenum	95-1	89264	89009	89758	89344	0.43	cps
Molybdenum	96-1	99842	100020	99735	99866	0.14	cps
Molybdenum	97-1	56384	56063	56809	56418	0.66	cps
Molybdenum	98-1	142146	144591	144295	143677	0.93	cps
Neodymium	150-1	33	17	33	28	34.63	cps
Neodymium	150-2	0	3	10	4	114.60	cps
Nickel	60-2	6015	5364	5791	5723	5.77	cps
Phosphorus	31-2	347	317	240	301	18.27	cps
Potassium	39-2	183011	181253	183554	182606	0.66	cps
Rhodium	103-1	15579752	15348210	15443813	15457258	0.75	cps
Rhodium	103-2	6370986	6404574	6325934	6367165	0.62	cps
Scandium	45-1	11678578	11337941	11398066	11471528	1.58	cps
Scandium	45-2	236732	235470	237652	236618	0.46	cps
Selenium	82-1	2747	2607	2684	2679	2.62	cps
Selenium	77-2	63	47	57	56	15.09	cps
Selenium	78-2	197	157	223	192	17.46	cps
Silicon	28-1	954422	937278	932889	941529	1.21	cps
Silver	107-1	44712	44869	45388	44990	0.79	cps
Silver	109-1	42134	42238	43318	42563	1.54	cps
Sodium	23-2	650408	648104	646365	648292	0.31	cps
Strontium	86-1	12012	12182	12652	12282	2.70	cps
Strontium	88-1	101529	103050	101163	101914	0.98	cps
Sulfur	34-1	647022	655053	653621	651898	0.66	cps
Terbium	159-1	20057137	19976593	20327728	20120486	0.91	cps
Terbium	159-2	7251669	7239077	7255008	7248585	0.12	cps
Thallium	203-1	33577	34690	34536	34267	1.76	cps
Thallium	205-1	82356	83121	82218	82565	0.59	cps
Tin	118-1	144954	146056	147222	146077	0.78	cps
Titanium	47-1	7245	7322	7242	7270	0.62	cps
Uranium	238-1	104230	104916	104435	104527	0.34	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	PB166317BS	Instrumnet Name :	P8
Client Sample ID :	LCS317	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:45:42	DataFile Name :	029LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	35123	35564	35414	35367	0.63	cps
Ytterbium	172-1	77	103	77	86	18.00	cps
Ytterbium	172-2	70	40	60	57	26.96	cps
Ytterbium	176-1	1840	1977	2027	1948	4.96	cps
Ytterbium	176-2	383	447	447	426	8.59	cps
Yttrium	89-1	28897440	28102754	27997130	28332441	1.74	cps
Yttrium	89-2	2222919	2205757	2182960	2203879	0.91	cps
Zinc	66-2	7425	7339	7505	7423	1.12	cps
Zirconium	90-1	62513	62265	63092	62623	0.68	cps
Zirconium	91-1	14064	13407	13914	13795	2.50	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-01	Instrumnet Name :	P8
Client Sample ID :	ME2948	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:48:59	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	713	733	757	734	2.95	cps
Antimony	121-1	913	917	823	884	5.99	cps
Arsenic	75-2	190	190	127	169	21.65	cps
Barium	135-1	72818	74041	73609	73489	0.84	cps
Barium	137-1	126976	128682	128087	127915	0.68	cps
Beryllium	9-1	354	389	319	354	9.90	cps
Bismuth	209-1	11060901	11161145	11207896	11143314	0.67	cps
Bismuth	209-2	5074105	5082522	5039946	5065524	0.45	cps
Bromine	81-1	96966	110182	118334	108494	9.94	cps
Cadmium	108-1	37	23	40	33	26.47	cps
Cadmium	106-1	7365	7629	7602	7532	1.93	cps
Cadmium	111-1	5173	5351	5317	5280	1.78	cps
Calcium	43-1	20993106	21348236	21150193	21163845	0.84	cps
Calcium	44-1	343637182	345102355	339585088	342774875	0.83	cps
Carbon	12-1	9440204	10063204	10378838	9960749	4.80	cps
Carbon	12-2	72266	70418	71968	71551	1.39	cps
Chlorine	35-1	5456261	5691753	5665600	5604538	2.30	cps
Chlorine	35-2	23763	23720	22768	23417	2.40	cps
Chromium	52-2	1700	1827	1727	1751	3.81	cps
Cobalt	59-2	273	303	267	281	6.95	cps
Copper	63-2	3781	4094	3717	3864	5.22	cps
Dysprosium	156-1	207	263	210	227	14.03	cps
Dysprosium	156-2	93	73	90	86	12.53	cps
Erbium	164-1	313	293	380	329	13.80	cps
Erbium	164-2	97	80	137	104	27.88	cps
Gadolinium	160-1	337	303	300	313	6.47	cps
Gadolinium	160-2	90	140	117	116	21.65	cps
Holmium	165-1	18700440	18967538	19081408	18916462	1.03	cps
Holmium	165-2	7140163	7167668	7077194	7128342	0.65	cps
Indium	115-1	14809087	14944932	15117456	14957158	1.03	cps
Indium	115-2	1609065	1621669	1578635	1603123	1.38	cps
Iron	54-2	131341	131277	130197	130938	0.49	cps
Iron	56-2	2504404	2498158	2526374	2509645	0.59	cps
Iron	57-2	60705	61649	60738	61031	0.88	cps
Krypton	83-1	350	313	280	314	11.13	cps
Lead	206-1	2307	2374	2237	2306	2.96	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-01	Instrumnet Name :	P8
Client Sample ID :	ME2948	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:48:59	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2040	1947	1847	1945	4.97	cps
Lead	208-1	9015	9068	8458	8847	3.82	cps
Lithium	6-1	8584584	8687979	8528139	8600234	0.94	cps
Magnesium	24-2	30844900	30425172	30850059	30706710	0.79	cps
Manganese	55-2	41610	41360	42068	41679	0.86	cps
Molybdenum	94-1	3060	2870	2810	2914	4.48	cps
Molybdenum	95-1	3134	2994	3314	3147	5.10	cps
Molybdenum	96-1	3484	3530	3507	3507	0.67	cps
Molybdenum	97-1	1923	1913	1974	1937	1.66	cps
Molybdenum	98-1	4848	4794	4774	4805	0.79	cps
Neodymium	150-1	323	290	303	306	5.49	cps
Neodymium	150-2	77	67	73	72	7.05	cps
Nickel	60-2	767	657	713	712	7.72	cps
Phosphorus	31-2	147	87	107	113	26.96	cps
Potassium	39-2	568699	561432	558594	562908	0.93	cps
Rhodium	103-1	13848901	13999196	13903264	13917120	0.55	cps
Rhodium	103-2	5693400	5750669	5607111	5683727	1.27	cps
Scandium	45-1	11188921	11147883	11019732	11118845	0.79	cps
Scandium	45-2	223118	221066	222076	222087	0.46	cps
Selenium	82-1	30	80	113	74	56.34	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	7	10	10	9	21.63	cps
Silicon	28-1	82371377	82534159	82075294	82326943	0.28	cps
Silver	107-1	793	747	613	718	13.01	cps
Silver	109-1	577	440	437	484	16.49	cps
Sodium	23-2	16920482	16536877	16925226	16794195	1.33	cps
Strontium	86-1	78065329	77585579	78677424	78109444	0.70	cps
Strontium	88-1	664228417	674460937	680102630	672930661	1.20	cps
Sulfur	34-1	32700710	32903475	32707637	32770607	0.35	cps
Terbium	159-1	19474668	19383788	19034938	19297798	1.20	cps
Terbium	159-2	6984218	6943341	6964783	6964114	0.29	cps
Thallium	203-1	490	490	453	478	4.43	cps
Thallium	205-1	1290	1200	1137	1209	6.37	cps
Tin	118-1	12643	12412	13026	12694	2.44	cps
Titanium	47-1	1647	1807	1827	1760	5.61	cps
Uranium	238-1	11132	10858	10928	10973	1.30	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-01	Instrumnet Name :	P8
Client Sample ID :	ME2948	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:48:59	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	343	340	363	349	3.62	cps
Ytterbium	172-1	237	203	203	214	8.97	cps
Ytterbium	172-2	63	100	117	93	29.24	cps
Ytterbium	176-1	1747	2064	1873	1895	8.41	cps
Ytterbium	176-2	307	327	300	311	4.46	cps
Yttrium	89-1	26874901	27453738	27049205	27125948	1.09	cps
Yttrium	89-2	2055193	2092624	2029857	2059225	1.53	cps
Zinc	66-2	737	657	723	706	6.07	cps
Zirconium	90-1	3584	3357	3234	3392	5.24	cps
Zirconium	91-1	833	743	663	747	11.39	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-02	Instrumnet Name :	P8
Client Sample ID :	ME2949	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:52:13	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	523	473	497	498	5.03	cps
Antimony	121-1	90	123	110	108	15.57	cps
Arsenic	75-2	27	20	13	20	33.35	cps
Barium	135-1	33575	33979	34350	33968	1.14	cps
Barium	137-1	59460	60274	60675	60136	1.03	cps
Beryllium	9-1	451	417	461	443	5.17	cps
Bismuth	209-1	10984404	10257383	11344865	10862217	5.10	cps
Bismuth	209-2	4815334	4960863	4858719	4878306	1.53	cps
Bromine	81-1	125910	156551	172912	151791	15.72	cps
Cadmium	108-1	17	27	33	26	32.81	cps
Cadmium	106-1	7435	7025	7532	7331	3.67	cps
Cadmium	111-1	5233	4929	5286	5149	3.74	cps
Calcium	43-1	20483136	20303502	20206702	20331113	0.69	cps
Calcium	44-1	325659608	329150735	326440842	327083728	0.56	cps
Carbon	12-1	9726294	10453586	10830430	10336770	5.43	cps
Carbon	12-2	73727	73422	73931	73693	0.35	cps
Chlorine	35-1	19653239	21770171	22599989	21341133	7.12	cps
Chlorine	35-2	97740	99069	100767	99192	1.53	cps
Chromium	52-2	1530	1727	1777	1678	7.77	cps
Cobalt	59-2	393	410	407	403	2.19	cps
Copper	63-2	5368	5561	5635	5521	2.50	cps
Dysprosium	156-1	20	23	27	23	14.29	cps
Dysprosium	156-2	23	7	7	12	78.69	cps
Erbium	164-1	123	137	80	113	26.14	cps
Erbium	164-2	43	47	40	43	7.70	cps
Gadolinium	160-1	163	137	110	137	19.51	cps
Gadolinium	160-2	33	7	20	20	66.65	cps
Holmium	165-1	18031290	17412389	18916480	18120053	4.17	cps
Holmium	165-2	6963575	7129561	7006983	7033373	1.22	cps
Indium	115-1	14471368	13736966	14909671	14372668	4.12	cps
Indium	115-2	1480660	1583820	1483929	1516136	3.87	cps
Iron	54-2	4974	4311	4461	4582	7.59	cps
Iron	56-2	78809	80814	79956	79860	1.26	cps
Iron	57-2	2530	2740	2637	2636	3.98	cps
Krypton	83-1	323	287	297	302	6.27	cps
Lead	206-1	2344	2270	2504	2372	5.03	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-02	Instrumnet Name :	P8
Client Sample ID :	ME2949	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:52:13	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1974	1837	1870	1893	3.76	cps
Lead	208-1	9245	8544	9025	8938	4.01	cps
Lithium	6-1	8533961	8137563	8522171	8397898	2.69	cps
Magnesium	24-2	30858075	30135922	30394406	30462801	1.20	cps
Manganese	55-2	12682	12609	12969	12754	1.49	cps
Molybdenum	94-1	837	813	867	839	3.19	cps
Molybdenum	95-1	377	377	387	380	1.52	cps
Molybdenum	96-1	510	407	480	466	11.42	cps
Molybdenum	97-1	193	227	203	208	8.23	cps
Molybdenum	98-1	460	510	557	509	9.50	cps
Neodymium	150-1	37	40	30	36	14.32	cps
Neodymium	150-2	3	0	7	3	100.05	cps
Nickel	60-2	857	753	900	837	9.01	cps
Phosphorus	31-2	117	123	107	116	7.26	cps
Potassium	39-2	658358	659628	659397	659128	0.10	cps
Rhodium	103-1	13064168	12735043	13712441	13170551	3.78	cps
Rhodium	103-2	5441097	5630827	5456815	5509580	1.91	cps
Scandium	45-1	10689411	10155671	11083534	10642872	4.38	cps
Scandium	45-2	214507	218034	217487	216676	0.88	cps
Selenium	82-1	50	107	170	109	55.13	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	20	3	13	12	68.66	cps
Silicon	28-1	92715532	94303445	92937772	93318916	0.92	cps
Silver	107-1	697	683	683	688	1.12	cps
Silver	109-1	427	410	523	453	13.50	cps
Sodium	23-2	64888739	63816136	64469472	64391449	0.84	cps
Strontium	86-1	80297955	80248672	80583327	80376652	0.22	cps
Strontium	88-1	678042390	681476897	682714083	680744457	0.36	cps
Sulfur	34-1	27856648	28219558	27674691	27916966	0.99	cps
Terbium	159-1	18892779	17903127	19210079	18668662	3.65	cps
Terbium	159-2	6710216	6739669	6600633	6683506	1.10	cps
Thallium	203-1	453	363	310	376	19.29	cps
Thallium	205-1	913	1033	980	976	6.16	cps
Tin	118-1	7302	7802	7495	7533	3.35	cps
Titanium	47-1	2594	2747	2567	2636	3.69	cps
Uranium	238-1	850	907	997	918	8.06	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-02	Instrumnet Name :	P8
Client Sample ID :	ME2949	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:52:13	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	130	117	157	134	15.15	cps
Ytterbium	172-1	80	93	90	88	7.90	cps
Ytterbium	172-2	27	37	30	31	16.37	cps
Ytterbium	176-1	1790	1613	1890	1765	7.94	cps
Ytterbium	176-2	283	297	260	280	6.63	cps
Yttrium	89-1	25980760	24847527	26727865	25852051	3.66	cps
Yttrium	89-2	1995050	2042909	1977404	2005121	1.69	cps
Zinc	66-2	773	870	787	810	6.47	cps
Zirconium	90-1	1877	1840	2034	1917	5.36	cps
Zirconium	91-1	400	410	410	407	1.42	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-03	Instrumnet Name :	P8
Client Sample ID :	ME2955	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:55:28	DataFile Name :	032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	119883	118968	120241	119697	0.55	cps
Antimony	121-1	5044	4888	4934	4955	1.62	cps
Arsenic	75-2	100	77	107	94	16.68	cps
Barium	135-1	58643	60849	60079	59857	1.87	cps
Barium	137-1	102220	105403	107315	104979	2.45	cps
Beryllium	9-1	450	431	456	446	2.92	cps
Bismuth	209-1	11497410	11509020	11526747	11511059	0.13	cps
Bismuth	209-2	5240706	5266331	5109231	5205423	1.62	cps
Bromine	81-1	134357	150613	164468	149813	10.06	cps
Cadmium	108-1	23	40	20	28	38.58	cps
Cadmium	106-1	7626	7382	7922	7643	3.54	cps
Cadmium	111-1	5382	5206	5595	5394	3.61	cps
Calcium	43-1	15522474	15594621	16103739	15740278	2.01	cps
Calcium	44-1	247459310	249814156	253759463	250344310	1.27	cps
Carbon	12-1	9638216	10335418	10666827	10213487	5.14	cps
Carbon	12-2	71292	71693	72601	71862	0.93	cps
Chlorine	35-1	6419174	6672249	6776469	6622631	2.77	cps
Chlorine	35-2	28258	28117	27980	28119	0.49	cps
Chromium	52-2	2067	2114	1967	2049	3.66	cps
Cobalt	59-2	520	587	533	547	6.45	cps
Copper	63-2	16046	16012	16660	16239	2.24	cps
Dysprosium	156-1	40	103	107	83	45.08	cps
Dysprosium	156-2	27	30	43	33	26.45	cps
Erbium	164-1	157	153	137	149	7.20	cps
Erbium	164-2	63	43	67	58	21.85	cps
Gadolinium	160-1	177	163	217	186	14.96	cps
Gadolinium	160-2	57	43	63	54	18.71	cps
Holmium	165-1	18900685	19579221	19277649	19252518	1.77	cps
Holmium	165-2	7478323	7447402	7284851	7403525	1.40	cps
Indium	115-1	15064203	15149165	15322352	15178573	0.87	cps
Indium	115-2	1657927	1675331	1618105	1650454	1.78	cps
Iron	54-2	108156	109643	110839	109546	1.23	cps
Iron	56-2	2105779	2117282	2086692	2103251	0.73	cps
Iron	57-2	50807	50680	51944	51143	1.36	cps
Krypton	83-1	273	303	263	280	7.43	cps
Lead	206-1	7549	7659	7252	7487	2.81	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-03	Instrumnet Name :	P8
Client Sample ID :	ME2955	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:55:28	DataFile Name :	032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	6235	6305	6805	6448	4.82	cps
Lead	208-1	29046	29076	29900	29341	1.65	cps
Lithium	6-1	8469482	8964466	8687646	8707198	2.85	cps
Magnesium	24-2	20794708	20483311	20928117	20735379	1.10	cps
Manganese	55-2	96829	94523	95584	95645	1.21	cps
Molybdenum	94-1	5975	5831	6098	5968	2.24	cps
Molybdenum	95-1	8243	8733	8726	8567	3.28	cps
Molybdenum	96-1	9166	9663	9617	9482	2.89	cps
Molybdenum	97-1	5128	5398	5638	5388	4.74	cps
Molybdenum	98-1	13877	14047	14054	13993	0.72	cps
Neodymium	150-1	100	77	73	83	17.44	cps
Neodymium	150-2	20	17	27	21	24.12	cps
Nickel	60-2	1227	1220	1373	1273	6.81	cps
Phosphorus	31-2	187	117	140	148	24.12	cps
Potassium	39-2	627720	622361	631410	627164	0.73	cps
Rhodium	103-1	13853351	14237046	13963742	14018046	1.41	cps
Rhodium	103-2	6041111	5907249	5866660	5938340	1.54	cps
Scandium	45-1	11009712	11213972	11128669	11117451	0.92	cps
Scandium	45-2	230323	231201	224661	228728	1.55	cps
Selenium	82-1	77	70	167	104	51.69	cps
Selenium	77-2	0	10	3	4	114.60	cps
Selenium	78-2	13	7	10	10	33.30	cps
Silicon	28-1	90327949	92645875	92409562	91794462	1.39	cps
Silver	107-1	1757	1703	1777	1746	2.17	cps
Silver	109-1	1293	1383	1363	1347	3.51	cps
Sodium	23-2	16338285	16639583	16565942	16514603	0.95	cps
Strontium	86-1	78712070	81358182	83140359	81070204	2.75	cps
Strontium	88-1	693201203	705609616	721699456	706836758	2.02	cps
Sulfur	34-1	21007613	21433635	21393714	21278321	1.11	cps
Terbium	159-1	19521631	19754525	19734325	19670160	0.66	cps
Terbium	159-2	7225026	7190883	6958798	7124902	2.03	cps
Thallium	203-1	430	457	343	410	14.45	cps
Thallium	205-1	953	940	810	901	8.79	cps
Tin	118-1	9940	10588	10788	10439	4.24	cps
Titanium	47-1	2540	2757	2900	2733	6.63	cps
Uranium	238-1	41715	43006	42698	42473	1.59	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-03	Instrumnet Name :	P8
Client Sample ID :	ME2955	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:55:28	DataFile Name :	032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	700	677	677	684	1.97	cps
Ytterbium	172-1	103	127	127	119	11.33	cps
Ytterbium	172-2	77	60	77	71	13.53	cps
Ytterbium	176-1	1980	1840	1803	1875	4.97	cps
Ytterbium	176-2	317	347	313	326	5.64	cps
Yttrium	89-1	26910361	27307144	27274842	27164116	0.81	cps
Yttrium	89-2	2188947	2139098	2083492	2137179	2.47	cps
Zinc	66-2	44975	46138	45784	45632	1.31	cps
Zirconium	90-1	2664	2954	3047	2888	6.92	cps
Zirconium	91-1	563	523	730	606	18.10	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-04	Instrumnet Name :	P8
Client Sample ID :	ME2956	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:58:43	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	427	483	380	430	12.03	cps
Antimony	121-1	230	217	247	231	6.50	cps
Arsenic	75-2	80	103	107	97	15.03	cps
Barium	135-1	63012	65108	64503	64208	1.68	cps
Barium	137-1	107990	112798	111777	110855	2.29	cps
Beryllium	9-1	400	437	482	440	9.39	cps
Bismuth	209-1	11508043	12041298	11780436	11776592	2.26	cps
Bismuth	209-2	5147984	5192788	5201106	5180626	0.55	cps
Bromine	81-1	133618	158893	171302	154604	12.42	cps
Cadmium	108-1	23	33	30	29	17.63	cps
Cadmium	106-1	7455	8099	7719	7758	4.17	cps
Cadmium	111-1	5229	5666	5416	5437	4.03	cps
Calcium	43-1	16073916	16581526	16356552	16337331	1.56	cps
Calcium	44-1	262613936	263761863	262786023	263053941	0.24	cps
Carbon	12-1	9587627	10073710	10442651	10034663	4.27	cps
Carbon	12-2	70575	71858	70535	70989	1.06	cps
Chlorine	35-1	5667892	6234124	6222819	6041612	5.36	cps
Chlorine	35-2	26481	25743	26488	26237	1.63	cps
Chromium	52-2	2937	2807	2857	2867	2.29	cps
Cobalt	59-2	867	803	780	817	5.49	cps
Copper	63-2	5041	5504	5351	5299	4.46	cps
Dysprosium	156-1	53	87	47	62	34.44	cps
Dysprosium	156-2	10	10	30	17	69.28	cps
Erbium	164-1	163	180	163	169	5.70	cps
Erbium	164-2	30	67	60	52	37.40	cps
Gadolinium	160-1	203	143	137	161	22.79	cps
Gadolinium	160-2	47	30	53	43	27.73	cps
Holmium	165-1	19383548	20284386	19641353	19769762	2.35	cps
Holmium	165-2	7374790	7403033	7194581	7324134	1.54	cps
Indium	115-1	15025781	16104330	15471443	15533851	3.49	cps
Indium	115-2	1656477	1683027	1656169	1665225	0.93	cps
Iron	54-2	97131	98214	95792	97046	1.25	cps
Iron	56-2	1856296	1867964	1783438	1835900	2.50	cps
Iron	57-2	44760	44653	44262	44558	0.59	cps
Krypton	83-1	327	330	330	329	0.59	cps
Lead	206-1	2760	2787	2614	2720	3.43	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-04	Instrumnet Name :	P8
Client Sample ID :	ME2956	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:58:43	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2317	2350	2370	2346	1.15	cps
Lead	208-1	10458	10698	10635	10597	1.17	cps
Lithium	6-1	8985521	9314300	8983361	9094394	2.09	cps
Magnesium	24-2	21060697	21163149	20535256	20919701	1.61	cps
Manganese	55-2	105248	104465	102582	104098	1.32	cps
Molybdenum	94-1	5718	5778	5781	5759	0.62	cps
Molybdenum	95-1	8609	9403	9350	9121	4.87	cps
Molybdenum	96-1	9603	9800	10114	9839	2.62	cps
Molybdenum	97-1	5321	5905	5681	5636	5.22	cps
Molybdenum	98-1	14337	14855	14735	14642	1.85	cps
Neodymium	150-1	57	80	63	67	18.03	cps
Neodymium	150-2	7	7	13	9	43.25	cps
Nickel	60-2	1637	1413	1490	1513	7.50	cps
Phosphorus	31-2	100	103	120	108	9.94	cps
Potassium	39-2	637399	631154	627776	632110	0.77	cps
Rhodium	103-1	14284734	14838344	14500477	14541185	1.92	cps
Rhodium	103-2	5946298	5958602	5977436	5960779	0.26	cps
Scandium	45-1	10956576	11864650	11389855	11403694	3.98	cps
Scandium	45-2	228421	231965	230480	230289	0.77	cps
Selenium	82-1	60	13	33	36	65.87	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	7	10	7	8	24.71	cps
Silicon	28-1	94684519	97068812	94522492	95425274	1.49	cps
Silver	107-1	563	553	623	580	6.53	cps
Silver	109-1	330	307	307	314	4.29	cps
Sodium	23-2	17136335	16899601	16611906	16882614	1.56	cps
Strontium	86-1	82337987	85721495	84634077	84231187	2.05	cps
Strontium	88-1	705678229	735343269	724033163	721684887	2.07	cps
Sulfur	34-1	21542676	22571123	22052080	22055293	2.33	cps
Terbium	159-1	19483662	20441727	20104427	20009938	2.43	cps
Terbium	159-2	7124202	7011645	7144622	7093490	1.01	cps
Thallium	203-1	380	367	403	383	4.84	cps
Thallium	205-1	850	913	907	890	3.91	cps
Tin	118-1	8950	9173	8950	9024	1.43	cps
Titanium	47-1	1743	1850	1920	1838	4.84	cps
Uranium	238-1	43176	44969	45347	44498	2.61	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-04	Instrumnet Name :	P8
Client Sample ID :	ME2956	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 13:58:43	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	87	100	127	104	19.50	cps
Ytterbium	172-1	157	160	127	148	12.42	cps
Ytterbium	172-2	30	70	70	57	40.75	cps
Ytterbium	176-1	1790	1977	1957	1908	5.37	cps
Ytterbium	176-2	287	373	353	338	13.43	cps
Yttrium	89-1	27362686	29085396	28229610	28225897	3.05	cps
Yttrium	89-2	2153141	2131134	2114837	2133037	0.90	cps
Zinc	66-2	757	773	710	747	4.40	cps
Zirconium	90-1	1820	1960	1903	1895	3.72	cps
Zirconium	91-1	360	413	363	379	7.88	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-05	Instrumnet Name :	P8
Client Sample ID :	ME2957	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:01:56	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1020	967	1070	1019	5.07	cps
Antimony	121-1	530	587	597	571	6.30	cps
Arsenic	75-2	150	110	140	133	15.61	cps
Barium	135-1	178412	179190	183921	180508	1.65	cps
Barium	137-1	310422	314799	319335	314852	1.42	cps
Beryllium	9-1	441	495	460	465	5.86	cps
Bismuth	209-1	11292016	10993296	10589719	10958344	3.22	cps
Bismuth	209-2	4978505	5012901	4984951	4992119	0.37	cps
Bromine	81-1	168063	196416	213583	192688	11.93	cps
Cadmium	108-1	83	67	67	72	13.32	cps
Cadmium	106-1	7976	7846	7355	7726	4.23	cps
Cadmium	111-1	5598	5549	5182	5443	4.17	cps
Calcium	43-1	26933713	27298275	27957231	27396407	1.89	cps
Calcium	44-1	435301767	436590820	447116273	439669620	1.47	cps
Carbon	12-1	9798828	10408902	10829579	10345770	5.01	cps
Carbon	12-2	73057	73429	74189	73558	0.78	cps
Chlorine	35-1	33783871	37277539	39333788	36798399	7.62	cps
Chlorine	35-2	170005	171985	171800	171263	0.64	cps
Chromium	52-2	2807	2557	2737	2700	4.78	cps
Cobalt	59-2	7369	7435	7399	7401	0.45	cps
Copper	63-2	6908	6842	7462	7071	4.82	cps
Dysprosium	156-1	67	53	57	59	11.79	cps
Dysprosium	156-2	10	20	27	19	44.42	cps
Erbium	164-1	150	133	167	150	11.11	cps
Erbium	164-2	57	47	50	51	9.96	cps
Gadolinium	160-1	140	207	173	173	19.23	cps
Gadolinium	160-2	33	53	37	41	26.06	cps
Holmium	165-1	19039955	19241046	18282372	18854458	2.68	cps
Holmium	165-2	7335150	7373349	7206199	7304899	1.20	cps
Indium	115-1	15227355	15265529	14605958	15032947	2.46	cps
Indium	115-2	1620607	1622794	1624700	1622700	0.13	cps
Iron	54-2	139729	140109	140779	140206	0.38	cps
Iron	56-2	2703222	2701677	2628404	2677767	1.60	cps
Iron	57-2	65536	64920	66337	65598	1.08	cps
Krypton	83-1	277	307	383	322	17.07	cps
Lead	206-1	2924	3014	2907	2948	1.95	cps

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-05	Instrumnet Name :	P8
Client Sample ID :	ME2957	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:01:56	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2297	2564	2587	2482	6.49	cps
Lead	208-1	11302	11562	11769	11544	2.03	cps
Lithium	6-1	8834809	8982057	8615206	8810691	2.10	cps
Magnesium	24-2	27407382	27965641	27211668	27528230	1.42	cps
Manganese	55-2	43205	43653	43329	43396	0.53	cps
Molybdenum	94-1	59527	61455	62704	61229	2.61	cps
Molybdenum	95-1	99909	101994	102354	101419	1.30	cps
Molybdenum	96-1	108684	108956	111348	109663	1.34	cps
Molybdenum	97-1	63789	64231	63896	63972	0.36	cps
Molybdenum	98-1	160952	161629	167586	163389	2.23	cps
Neodymium	150-1	60	77	97	78	23.61	cps
Neodymium	150-2	10	30	20	20	50.00	cps
Nickel	60-2	9126	9403	9340	9290	1.56	cps
Phosphorus	31-2	123	107	107	112	8.58	cps
Potassium	39-2	941574	952410	949605	947863	0.59	cps
Rhodium	103-1	13526850	13748416	13384916	13553394	1.35	cps
Rhodium	103-2	5724503	5797681	5707717	5743300	0.83	cps
Scandium	45-1	11284679	11083379	10714477	11027512	2.62	cps
Scandium	45-2	231025	230397	225355	228926	1.36	cps
Selenium	82-1	163	190	100	151	30.59	cps
Selenium	77-2	0	3	7	3	100.05	cps
Selenium	78-2	3	10	13	9	57.30	cps
Silicon	28-1	95487445	97111295	97358255	96652332	1.05	cps
Silver	107-1	753	897	933	861	11.05	cps
Silver	109-1	417	533	667	539	23.21	cps
Sodium	23-2	99358899	100409765	99328312	99698992	0.62	cps
Strontium	86-1	78778374	79855604	80566402	79733460	1.13	cps
Strontium	88-1	675057350	686979776	695805750	685947625	1.52	cps
Sulfur	34-1	29788503	30250264	30579175	30205981	1.31	cps
Terbium	159-1	19988796	19497008	19103424	19529743	2.27	cps
Terbium	159-2	6954418	7022923	6936954	6971431	0.65	cps
Thallium	203-1	553	570	603	576	4.42	cps
Thallium	205-1	1327	1330	1267	1308	2.73	cps
Tin	118-1	11668	11468	11678	11605	1.02	cps
Titanium	47-1	2137	2114	2170	2140	1.33	cps
Uranium	238-1	3854	3817	3981	3884	2.21	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-05	Instrumnet Name :	P8
Client Sample ID :	ME2957	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:01:56	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	800	700	713	738	7.36	cps
Ytterbium	172-1	120	143	107	123	15.05	cps
Ytterbium	172-2	57	27	57	47	37.11	cps
Ytterbium	176-1	1984	1933	1800	1906	4.97	cps
Ytterbium	176-2	277	270	290	279	3.65	cps
Yttrium	89-1	27530004	27441994	26031005	27001001	3.12	cps
Yttrium	89-2	2120330	2153211	2101610	2125051	1.23	cps
Zinc	66-2	883	787	823	831	5.87	cps
Zirconium	90-1	5494	5344	5798	5546	4.17	cps
Zirconium	91-1	1177	1123	1257	1186	5.66	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-06	Instrumnet Name :	P8
Client Sample ID :	ME2960	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:05:12	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	537	570	653	587	10.24	cps
Antimony	121-1	210	237	240	229	7.19	cps
Arsenic	75-2	1863	1707	1700	1757	5.26	cps
Barium	135-1	203669	204065	206434	204722	0.73	cps
Barium	137-1	354859	358079	354554	355831	0.55	cps
Beryllium	9-1	424	431	394	416	4.77	cps
Bismuth	209-1	11453884	11600410	11481657	11511984	0.68	cps
Bismuth	209-2	4936954	4944720	4754465	4878713	2.21	cps
Bromine	81-1	171739	190681	201296	187906	7.97	cps
Cadmium	108-1	53	23	37	38	39.79	cps
Cadmium	106-1	8426	8343	7986	8251	2.83	cps
Cadmium	111-1	5891	5883	5641	5805	2.45	cps
Calcium	43-1	24024487	23693829	23715646	23811321	0.78	cps
Calcium	44-1	383556114	379233008	379387368	380725497	0.64	cps
Carbon	12-1	14005492	14584386	14717826	14435902	2.62	cps
Carbon	12-2	100024	101363	100464	100617	0.68	cps
Chlorine	35-1	7902030	8044034	7942119	7962728	0.92	cps
Chlorine	35-2	32727	32777	31995	32500	1.35	cps
Chromium	52-2	6251	6278	6255	6261	0.23	cps
Cobalt	59-2	1003	1033	1010	1016	1.55	cps
Copper	63-2	5111	5054	5284	5150	2.33	cps
Dysprosium	156-1	347	303	317	322	6.89	cps
Dysprosium	156-2	93	97	113	101	10.60	cps
Erbium	164-1	327	367	313	336	8.27	cps
Erbium	164-2	120	130	73	108	28.07	cps
Gadolinium	160-1	340	370	353	354	4.24	cps
Gadolinium	160-2	157	127	107	130	19.36	cps
Holmium	165-1	19151474	19942226	19456810	19516837	2.04	cps
Holmium	165-2	7089274	7075827	6833184	6999428	2.06	cps
Indium	115-1	15288214	15719264	15133989	15380489	1.97	cps
Indium	115-2	1594670	1578756	1468518	1547315	4.44	cps
Iron	54-2	837963	852817	840076	843619	0.95	cps
Iron	56-2	15915137	15984187	16129155	16009493	0.68	cps
Iron	57-2	389608	391412	388768	389929	0.35	cps
Krypton	83-1	330	330	310	323	3.57	cps
Lead	206-1	3417	3270	3370	3353	2.24	cps

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-06	Instrumnet Name :	P8
Client Sample ID :	ME2960	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:05:12	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2927	3260	2740	2976	8.85	cps
Lead	208-1	13770	13826	13250	13615	2.34	cps
Lithium	6-1	8936505	9293694	8935806	9055335	2.28	cps
Magnesium	24-2	31463958	31592842	31069033	31375278	0.87	cps
Manganese	55-2	767388	769605	769905	768966	0.18	cps
Molybdenum	94-1	14875	14074	14114	14354	3.14	cps
Molybdenum	95-1	22251	22471	22078	22267	0.89	cps
Molybdenum	96-1	23417	23867	24108	23797	1.47	cps
Molybdenum	97-1	13910	13870	14197	13993	1.27	cps
Molybdenum	98-1	34941	35251	35181	35124	0.46	cps
Neodymium	150-1	463	390	387	413	10.48	cps
Neodymium	150-2	103	113	90	102	11.45	cps
Nickel	60-2	2080	2050	2090	2074	1.00	cps
Phosphorus	31-2	177	190	153	173	10.71	cps
Potassium	39-2	2400848	2390286	2361195	2384109	0.86	cps
Rhodium	103-1	14124256	14477624	14222274	14274718	1.28	cps
Rhodium	103-2	5720162	5662140	5481738	5621347	2.21	cps
Scandium	45-1	11407048	11565458	11585359	11519288	0.85	cps
Scandium	45-2	222710	221192	214098	219333	2.10	cps
Selenium	82-1	90	213	93	132	53.14	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	3	0	7	3	100.05	cps
Silicon	28-1	102931185	102440535	101656108	102342610	0.63	cps
Silver	107-1	590	647	667	634	6.27	cps
Silver	109-1	377	400	327	368	10.19	cps
Sodium	23-2	47043948	46712304	46150856	46635703	0.97	cps
Strontium	86-1	64915496	65433892	65066991	65138793	0.41	cps
Strontium	88-1	558085418	563248592	556923538	559419183	0.60	cps
Sulfur	34-1	39679428	38802644	39350538	39277537	1.13	cps
Terbium	159-1	19964390	20494511	20086385	20181762	1.38	cps
Terbium	159-2	6877537	6816988	6625342	6773289	1.94	cps
Thallium	203-1	457	390	380	409	10.19	cps
Thallium	205-1	933	837	843	871	6.20	cps
Tin	118-1	8356	8833	8566	8585	2.78	cps
Titanium	47-1	2254	2044	2057	2118	5.55	cps
Uranium	238-1	26591	26554	26478	26541	0.22	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-06	Instrumnet Name :	P8
Client Sample ID :	ME2960	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:05:12	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	633	580	620	611	4.54	cps
Ytterbium	172-1	210	213	270	231	14.59	cps
Ytterbium	172-2	113	83	67	88	26.94	cps
Ytterbium	176-1	1904	1924	1890	1906	0.88	cps
Ytterbium	176-2	350	307	343	333	7.00	cps
Yttrium	89-1	27512784	28697857	27826656	28012432	2.19	cps
Yttrium	89-2	2108562	2044107	1963205	2038625	3.57	cps
Zinc	66-2	713	730	730	724	1.33	cps
Zirconium	90-1	3957	4147	4091	4065	2.40	cps
Zirconium	91-1	930	900	897	909	2.02	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-07	Instrumnet Name :	P8
Client Sample ID :	ME2961	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:08:26	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1883	2054	1777	1905	7.33	cps
Antimony	121-1	390	400	470	420	10.38	cps
Arsenic	75-2	40	30	23	31	26.97	cps
Barium	135-1	43443	44051	43590	43695	0.73	cps
Barium	137-1	76334	75972	76780	76362	0.53	cps
Beryllium	9-1	424	424	360	402	9.14	cps
Bismuth	209-1	11420111	11540604	10912225	11290980	2.95	cps
Bismuth	209-2	4605428	5010280	4989070	4868259	4.68	cps
Bromine	81-1	119838	137573	146189	134534	9.99	cps
Cadmium	108-1	23	30	57	37	48.11	cps
Cadmium	106-1	8072	8186	7896	8051	1.82	cps
Cadmium	111-1	5684	5746	5551	5660	1.76	cps
Calcium	43-1	21980765	22033064	22572381	22195403	1.48	cps
Calcium	44-1	361590421	352107781	359769861	357822688	1.41	cps
Carbon	12-1	9685022	10354977	10804694	10281564	5.48	cps
Carbon	12-2	72156	72460	73891	72836	1.27	cps
Chlorine	35-1	5370430	5507420	5751743	5543198	3.48	cps
Chlorine	35-2	23643	24144	23850	23879	1.05	cps
Chromium	52-2	2604	2790	2810	2735	4.17	cps
Cobalt	59-2	420	433	440	431	2.36	cps
Copper	63-2	4994	5001	5108	5034	1.26	cps
Dysprosium	156-1	250	183	227	220	15.38	cps
Dysprosium	156-2	67	83	80	77	11.50	cps
Erbium	164-1	313	307	257	292	10.60	cps
Erbium	164-2	87	113	100	100	13.33	cps
Gadolinium	160-1	290	337	327	318	7.73	cps
Gadolinium	160-2	87	103	103	98	9.84	cps
Holmium	165-1	19295868	19403658	18691055	19130194	2.01	cps
Holmium	165-2	6644312	7045441	7101835	6930529	3.60	cps
Indium	115-1	15394770	15326438	14711260	15144156	2.49	cps
Indium	115-2	1417127	1576420	1572419	1521989	5.97	cps
Iron	54-2	464239	467362	460171	463924	0.78	cps
Iron	56-2	8889437	8745378	8791820	8808878	0.83	cps
Iron	57-2	214713	213810	212044	213522	0.64	cps
Krypton	83-1	310	380	303	331	12.83	cps
Lead	206-1	2784	2634	2520	2646	4.99	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-07	Instrumnet Name :	P8
Client Sample ID :	ME2961	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:08:26	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2317	2287	2197	2267	2.76	cps
Lead	208-1	10912	10522	10382	10605	2.59	cps
Lithium	6-1	8949891	8882250	8654019	8828720	1.76	cps
Magnesium	24-2	28233897	28128524	28084736	28149052	0.27	cps
Manganese	55-2	136676	132949	135284	134970	1.40	cps
Molybdenum	94-1	6008	6108	6158	6091	1.25	cps
Molybdenum	95-1	8493	8213	8529	8412	2.06	cps
Molybdenum	96-1	9400	9073	9053	9175	2.12	cps
Molybdenum	97-1	5464	5181	5191	5279	3.05	cps
Molybdenum	98-1	13367	13347	13914	13542	2.38	cps
Neodymium	150-1	273	327	283	294	9.63	cps
Neodymium	150-2	77	77	43	66	29.36	cps
Nickel	60-2	1297	1240	1283	1273	2.33	cps
Phosphorus	31-2	160	133	113	136	17.27	cps
Potassium	39-2	601883	601381	598076	600447	0.34	cps
Rhodium	103-1	14345074	14092556	13682428	14040019	2.38	cps
Rhodium	103-2	5277148	5660600	5689497	5542415	4.15	cps
Scandium	45-1	11251235	11350222	10797577	11133011	2.65	cps
Scandium	45-2	203807	221156	223539	216167	4.98	cps
Selenium	82-1	113	87	183	128	39.07	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	10	13	17	13	25.01	cps
Silicon	28-1	89210825	91137832	89180009	89842889	1.25	cps
Silver	107-1	503	510	523	512	1.99	cps
Silver	109-1	273	313	373	320	15.73	cps
Sodium	23-2	20203790	20030931	19744261	19992994	1.16	cps
Strontium	86-1	69778334	69102497	70785074	69888635	1.21	cps
Strontium	88-1	598901191	592488285	607447218	599612231	1.25	cps
Sulfur	34-1	32965025	33045159	33214188	33074790	0.38	cps
Terbium	159-1	19784679	19768324	19177242	19576748	1.77	cps
Terbium	159-2	6308692	6869562	6884654	6687636	4.91	cps
Thallium	203-1	393	427	407	409	4.10	cps
Thallium	205-1	917	883	933	911	2.79	cps
Tin	118-1	9380	8810	9297	9162	3.36	cps
Titanium	47-1	2964	3024	3200	3063	4.02	cps
Uranium	238-1	18116	17773	17379	17756	2.08	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-07	Instrumnet Name :	P8
Client Sample ID :	ME2961	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:08:26	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	433	490	383	436	12.25	cps
Ytterbium	172-1	123	223	160	169	29.95	cps
Ytterbium	172-2	57	80	60	66	19.25	cps
Ytterbium	176-1	1997	2030	1897	1975	3.51	cps
Ytterbium	176-2	307	353	303	321	8.71	cps
Yttrium	89-1	27695887	27863332	26793358	27450859	2.10	cps
Yttrium	89-2	1900596	2069892	2061003	2010497	4.74	cps
Zinc	66-2	663	750	647	687	8.08	cps
Zirconium	90-1	3014	3167	3187	3123	3.04	cps
Zirconium	91-1	650	607	600	619	4.39	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-08	Instrumnet Name :	P8
Client Sample ID :	ME2962	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:11:43	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	710	730	793	744	5.84	cps
Antimony	121-1	393	417	423	411	3.83	cps
Arsenic	75-2	47	57	40	48	17.56	cps
Barium	135-1	61586	62678	63907	62723	1.85	cps
Barium	137-1	107795	109317	110463	109192	1.23	cps
Beryllium	9-1	435	441	449	442	1.56	cps
Bismuth	209-1	10321626	11958038	11325007	11201557	7.37	cps
Bismuth	209-2	5052147	5059972	5210429	5107516	1.75	cps
Bromine	81-1	109532	126602	137227	124453	11.23	cps
Cadmium	108-1	37	27	43	36	23.58	cps
Cadmium	106-1	7352	8643	7929	7975	8.11	cps
Cadmium	111-1	5147	6055	5550	5584	8.14	cps
Calcium	43-1	20250046	20677128	20871595	20599590	1.54	cps
Calcium	44-1	327146308	336833102	334011015	332663475	1.50	cps
Carbon	12-1	10303033	10924315	11420177	10882509	5.14	cps
Carbon	12-2	74919	76775	76018	75904	1.23	cps
Chlorine	35-1	5267512	5836310	5986102	5696641	6.65	cps
Chlorine	35-2	25342	25633	26120	25698	1.53	cps
Chromium	52-2	4321	4444	4424	4396	1.51	cps
Cobalt	59-2	480	553	440	491	11.70	cps
Copper	63-2	84569	85415	84747	84910	0.52	cps
Dysprosium	156-1	147	117	157	140	14.87	cps
Dysprosium	156-2	50	43	63	52	19.50	cps
Erbium	164-1	207	157	190	184	13.80	cps
Erbium	164-2	60	100	93	84	25.38	cps
Gadolinium	160-1	227	267	227	240	9.62	cps
Gadolinium	160-2	53	70	83	69	21.82	cps
Holmium	165-1	17353453	20530051	19444616	19109373	8.45	cps
Holmium	165-2	7207603	7185326	7319560	7237496	0.99	cps
Indium	115-1	13740483	15989628	15367136	15032416	7.73	cps
Indium	115-2	1612299	1630093	1644130	1628841	0.98	cps
Iron	54-2	252198	250825	253476	252166	0.53	cps
Iron	56-2	4744922	4785724	4790790	4773812	0.53	cps
Iron	57-2	115352	114404	117321	115692	1.29	cps
Krypton	83-1	313	323	303	313	3.19	cps
Lead	206-1	2790	2457	2577	2608	6.48	cps

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-08	Instrumnet Name :	P8
Client Sample ID :	ME2962	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:11:43	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2157	2204	2294	2218	3.13	cps
Lead	208-1	10382	10048	10258	10229	1.65	cps
Lithium	6-1	8083298	9402494	8883690	8789827	7.56	cps
Magnesium	24-2	25061122	25067699	25261883	25130235	0.45	cps
Manganese	55-2	75012	74781	76024	75272	0.88	cps
Molybdenum	94-1	3667	3741	3927	3778	3.55	cps
Molybdenum	95-1	4984	5168	4864	5005	3.05	cps
Molybdenum	96-1	5238	5338	5655	5410	4.02	cps
Molybdenum	97-1	3114	3114	3210	3146	1.77	cps
Molybdenum	98-1	7739	8122	8132	7998	2.81	cps
Neodymium	150-1	113	150	173	146	20.78	cps
Neodymium	150-2	47	40	30	39	21.57	cps
Nickel	60-2	5181	5058	5141	5127	1.23	cps
Phosphorus	31-2	160	147	107	138	20.14	cps
Potassium	39-2	971811	969687	987282	976260	0.98	cps
Rhodium	103-1	12523957	14754107	13890421	13722828	8.19	cps
Rhodium	103-2	5831812	5856421	5915406	5867880	0.73	cps
Scandium	45-1	10082761	11708710	11177847	10989773	7.54	cps
Scandium	45-2	229067	227666	230926	229220	0.71	cps
Selenium	82-1	77	67	177	107	57.02	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	17	13	13	14	13.35	cps
Silicon	28-1	77420187	78730399	79026445	78392344	1.09	cps
Silver	107-1	533	493	530	519	4.28	cps
Silver	109-1	300	323	323	316	4.27	cps
Sodium	23-2	24939539	24642702	25062691	24881644	0.87	cps
Strontium	86-1	74913721	75247119	76088974	75416604	0.80	cps
Strontium	88-1	649624190	640913964	652654124	647730759	0.94	cps
Sulfur	34-1	29505514	30195788	30124474	29941925	1.27	cps
Terbium	159-1	17716671	20591248	19515883	19274601	7.54	cps
Terbium	159-2	6935366	6894307	7110352	6980008	1.64	cps
Thallium	203-1	350	377	290	339	13.10	cps
Thallium	205-1	833	900	947	893	6.38	cps
Tin	118-1	10894	10828	11231	10984	1.97	cps
Titanium	47-1	1943	1813	2144	1967	8.46	cps
Uranium	238-1	5088	5104	5244	5146	1.67	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-08	Instrumnet Name :	P8
Client Sample ID :	ME2962	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:11:43	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	393	410	373	392	4.68	cps
Ytterbium	172-1	150	160	157	156	3.27	cps
Ytterbium	172-2	67	60	83	70	17.17	cps
Ytterbium	176-1	1713	2087	1837	1879	10.12	cps
Ytterbium	176-2	283	333	293	303	8.72	cps
Yttrium	89-1	24607664	29290129	27480495	27126096	8.70	cps
Yttrium	89-2	2091965	2108290	2130093	2110116	0.91	cps
Zinc	66-2	907	1037	943	962	6.97	cps
Zirconium	90-1	2644	2797	2887	2776	4.43	cps
Zirconium	91-1	573	583	567	574	1.46	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-09	Instrumnet Name :	P8
Client Sample ID :	ME2959	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:14:56	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	390	363	400	384	4.93	cps
Antimony	121-1	270	223	220	238	11.76	cps
Arsenic	75-2	43	50	60	51	16.42	cps
Barium	135-1	64338	65507	61650	63832	3.10	cps
Barium	137-1	112668	114846	107970	111828	3.14	cps
Beryllium	9-1	397	441	396	412	6.22	cps
Bismuth	209-1	12091547	11698779	10609459	11466595	6.70	cps
Bismuth	209-2	4598529	4628865	4686028	4637807	0.96	cps
Bromine	81-1	121331	140391	147458	136393	9.91	cps
Cadmium	108-1	37	33	17	29	37.08	cps
Cadmium	106-1	8586	8172	7415	8058	7.37	cps
Cadmium	111-1	6028	5747	5206	5660	7.38	cps
Calcium	43-1	26239741	26668025	25892293	26266687	1.48	cps
Calcium	44-1	423886674	434292380	414337127	424172060	2.35	cps
Carbon	12-1	9347773	10056481	10262050	9888768	4.85	cps
Carbon	12-2	67752	69902	69966	69206	1.82	cps
Chlorine	35-1	32429565	36506462	35303846	34746624	6.03	cps
Chlorine	35-2	146627	151379	154838	150948	2.73	cps
Chromium	52-2	1723	1580	1640	1648	4.37	cps
Cobalt	59-2	473	493	483	483	2.07	cps
Copper	63-2	5548	5801	5861	5737	2.90	cps
Dysprosium	156-1	67	97	47	70	35.95	cps
Dysprosium	156-2	7	13	27	16	65.47	cps
Erbium	164-1	177	130	123	143	20.27	cps
Erbium	164-2	43	50	40	44	11.46	cps
Gadolinium	160-1	173	160	137	157	11.85	cps
Gadolinium	160-2	27	57	30	38	43.52	cps
Holmium	165-1	20812026	20294726	18380374	19829042	6.46	cps
Holmium	165-2	6688551	6768090	6782091	6746244	0.75	cps
Indium	115-1	16178632	15956761	14639949	15591781	5.33	cps
Indium	115-2	1421869	1456944	1466711	1448508	1.63	cps
Iron	54-2	206458	209473	208569	208167	0.74	cps
Iron	56-2	3899318	3921990	3957567	3926292	0.75	cps
Iron	57-2	94869	96735	98121	96575	1.69	cps
Krypton	83-1	307	353	403	354	13.64	cps
Lead	206-1	2810	2697	2674	2727	2.68	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-09	Instrumnet Name :	P8
Client Sample ID :	ME2959	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:14:56	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2210	2297	2180	2229	2.72	cps
Lead	208-1	10405	10735	10685	10608	1.68	cps
Lithium	6-1	9414920	9338026	8520189	9091045	5.45	cps
Magnesium	24-2	36296656	37074544	37821639	37064279	2.06	cps
Manganese	55-2	75833	78950	79047	77943	2.35	cps
Molybdenum	94-1	4084	4421	4151	4218	4.23	cps
Molybdenum	95-1	6345	6618	5958	6307	5.26	cps
Molybdenum	96-1	6855	6995	6768	6873	1.67	cps
Molybdenum	97-1	3967	4021	4041	4010	0.95	cps
Molybdenum	98-1	10047	10164	9513	9908	3.50	cps
Neodymium	150-1	53	110	100	88	34.46	cps
Neodymium	150-2	17	7	10	11	45.82	cps
Nickel	60-2	1100	1150	1063	1104	3.94	cps
Phosphorus	31-2	133	137	127	132	3.85	cps
Potassium	39-2	711370	727594	733193	724052	1.57	cps
Rhodium	103-1	14954696	14495768	13258309	14236258	6.16	cps
Rhodium	103-2	5294756	5334697	5426815	5352089	1.27	cps
Scandium	45-1	12003018	11961223	10796075	11586772	5.91	cps
Scandium	45-2	209012	214829	212978	212273	1.40	cps
Selenium	82-1	120	107	70	99	26.18	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	13	13	7	11	34.61	cps
Silicon	28-1	116297262	116918638	112090528	115102143	2.28	cps
Silver	107-1	740	883	827	817	8.84	cps
Silver	109-1	340	393	557	430	26.25	cps
Sodium	23-2	94341755	96022435	97651345	96005179	1.72	cps
Strontium	86-1	79763912	80502514	77039196	79101874	2.31	cps
Strontium	88-1	677358430	697520070	662030257	678969585	2.62	cps
Sulfur	34-1	37398496	37967887	36259994	37208793	2.34	cps
Terbium	159-1	21123181	20564303	18810893	20166126	5.98	cps
Terbium	159-2	6452619	6588133	6535431	6525394	1.05	cps
Thallium	203-1	323	280	347	317	10.68	cps
Thallium	205-1	757	777	907	813	10.01	cps
Tin	118-1	9593	9680	8903	9392	4.53	cps
Titanium	47-1	2324	2190	2027	2180	6.82	cps
Uranium	238-1	12800	12640	11769	12403	4.47	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-09	Instrumnet Name :	P8
Client Sample ID :	ME2959	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:14:56	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	87	93	93	91	4.22	cps
Ytterbium	172-1	143	117	117	126	12.26	cps
Ytterbium	172-2	47	43	57	49	14.20	cps
Ytterbium	176-1	2027	1807	1687	1840	9.37	cps
Ytterbium	176-2	263	350	310	308	14.09	cps
Yttrium	89-1	29748524	28699222	26001565	28149770	6.87	cps
Yttrium	89-2	1901231	2016515	1996416	1971387	3.12	cps
Zinc	66-2	660	587	717	654	9.96	cps
Zirconium	90-1	1707	1713	1633	1685	2.64	cps
Zirconium	91-1	347	360	423	377	10.87	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-10	Instrumnet Name :	P8
Client Sample ID :	ME2959D	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:18:14	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	393	427	353	391	9.39	cps
Antimony	121-1	243	287	247	259	9.31	cps
Arsenic	75-2	53	63	40	52	22.41	cps
Barium	135-1	64288	63411	62835	63511	1.15	cps
Barium	137-1	109865	110839	110661	110455	0.47	cps
Beryllium	9-1	417	404	374	398	5.62	cps
Bismuth	209-1	11488244	11067605	11040594	11198814	2.24	cps
Bismuth	209-2	4846419	4773802	4803074	4807765	0.76	cps
Bromine	81-1	118884	140519	148932	136112	11.39	cps
Cadmium	108-1	23	40	23	29	33.32	cps
Cadmium	106-1	8059	7532	7142	7578	6.07	cps
Cadmium	111-1	5658	5271	5026	5319	5.99	cps
Calcium	43-1	25880572	26261880	26056100	26066184	0.73	cps
Calcium	44-1	417344287	424249860	419678207	420424118	0.84	cps
Carbon	12-1	8947935	9646905	9974490	9523110	5.51	cps
Carbon	12-2	69279	69349	69550	69393	0.20	cps
Chlorine	35-1	34489229	37136003	37816341	36480524	4.82	cps
Chlorine	35-2	158976	161129	163664	161256	1.46	cps
Chromium	52-2	2074	2120	2057	2084	1.58	cps
Cobalt	59-2	480	433	420	444	7.09	cps
Copper	63-2	22805	23556	23056	23139	1.65	cps
Dysprosium	156-1	80	43	67	63	29.31	cps
Dysprosium	156-2	33	33	17	28	34.63	cps
Erbium	164-1	127	133	190	150	23.20	cps
Erbium	164-2	47	43	53	48	10.66	cps
Gadolinium	160-1	143	157	157	152	5.06	cps
Gadolinium	160-2	33	73	40	49	43.84	cps
Holmium	165-1	19636981	18999531	18822446	19152986	2.24	cps
Holmium	165-2	6992095	6948650	7039087	6993277	0.65	cps
Indium	115-1	15568992	15245598	14877988	15230860	2.27	cps
Indium	115-2	1559694	1492327	1584778	1545600	3.09	cps
Iron	54-2	234724	237397	239890	237337	1.09	cps
Iron	56-2	4563119	4490946	4538488	4530851	0.81	cps
Iron	57-2	109708	109358	110853	109973	0.71	cps
Krypton	83-1	270	377	373	340	17.84	cps
Lead	206-1	2307	2237	2350	2298	2.49	cps

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-10	Instrumnet Name :	P8
Client Sample ID :	ME2959D	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:18:14	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1903	2037	1970	1970	3.38	cps
Lead	208-1	9251	8808	9145	9068	2.55	cps
Lithium	6-1	8805565	8708648	8545386	8686533	1.51	cps
Magnesium	24-2	38722446	38237239	38299022	38419569	0.69	cps
Manganese	55-2	80307	80760	80247	80438	0.35	cps
Molybdenum	94-1	3991	4227	3991	4070	3.36	cps
Molybdenum	95-1	6145	6368	6098	6204	2.33	cps
Molybdenum	96-1	6928	7045	6682	6885	2.70	cps
Molybdenum	97-1	3901	3881	3937	3906	0.74	cps
Molybdenum	98-1	9807	9924	9790	9840	0.74	cps
Neodymium	150-1	57	73	50	60	20.03	cps
Neodymium	150-2	27	17	23	22	22.91	cps
Nickel	60-2	1157	1193	1297	1216	5.97	cps
Phosphorus	31-2	117	153	113	128	17.37	cps
Potassium	39-2	742557	755233	752897	750229	0.90	cps
Rhodium	103-1	13961657	13762284	13493726	13739223	1.71	cps
Rhodium	103-2	5476418	5426815	5503827	5469020	0.71	cps
Scandium	45-1	11521136	11193215	10732133	11148828	3.56	cps
Scandium	45-2	223214	214832	223363	220470	2.21	cps
Selenium	82-1	170	43	40	84	87.77	cps
Selenium	77-2	3	0	7	3	100.05	cps
Selenium	78-2	13	7	10	10	33.30	cps
Silicon	28-1	110585728	112472508	111819805	111626014	0.86	cps
Silver	107-1	690	823	833	782	10.23	cps
Silver	109-1	443	620	647	570	19.39	cps
Sodium	23-2	100200772	98574182	98242329	99005761	1.06	cps
Strontium	86-1	77618397	77463226	77641569	77574397	0.13	cps
Strontium	88-1	667575830	670368870	673805337	670583346	0.47	cps
Sulfur	34-1	36387446	36158893	36215731	36254023	0.33	cps
Terbium	159-1	19804878	19352546	19194467	19450631	1.63	cps
Terbium	159-2	6802845	6778246	6822882	6801324	0.33	cps
Thallium	203-1	297	227	310	278	16.12	cps
Thallium	205-1	723	647	680	683	5.63	cps
Tin	118-1	8823	8813	9170	8935	2.27	cps
Titanium	47-1	2514	2134	2080	2242	10.54	cps
Uranium	238-1	12009	12463	12590	12354	2.47	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-10	Instrumnet Name :	P8
Client Sample ID :	ME2959D	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:18:14	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	90	93	73	86	12.53	cps
Ytterbium	172-1	133	123	103	120	12.73	cps
Ytterbium	172-2	23	50	37	37	36.37	cps
Ytterbium	176-1	1637	1647	1843	1709	6.82	cps
Ytterbium	176-2	307	257	260	274	10.19	cps
Yttrium	89-1	27613175	27630773	26580254	27274734	2.21	cps
Yttrium	89-2	2006804	2046762	2054186	2035917	1.25	cps
Zinc	66-2	890	863	897	883	2.00	cps
Zirconium	90-1	1563	1650	1693	1636	4.05	cps
Zirconium	91-1	320	407	367	364	11.90	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-09LX5	Instrumnet Name :	P8
Client Sample ID :	ME2959L	Dilution Factor :	5
Date & Time Acquired :	2025-02-06 14:21:29	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	360	407	393	387	6.22	cps
Antimony	121-1	100	97	100	99	1.94	cps
Arsenic	75-2	17	10	23	17	39.99	cps
Barium	135-1	13297	13373	13136	13269	0.91	cps
Barium	137-1	24379	23614	23517	23837	1.98	cps
Beryllium	9-1	421	391	375	396	5.93	cps
Bismuth	209-1	12406977	12149008	12098329	12218105	1.35	cps
Bismuth	209-2	5247704	5495003	5518656	5420454	2.77	cps
Bromine	81-1	55560	57742	56727	56676	1.93	cps
Cadmium	108-1	23	30	23	26	15.07	cps
Cadmium	106-1	8483	8236	8263	8327	1.63	cps
Cadmium	111-1	5952	5781	5787	5840	1.66	cps
Calcium	43-1	5559931	5559777	5431143	5516950	1.35	cps
Calcium	44-1	89225569	90558869	86990942	88925126	2.03	cps
Carbon	12-1	7729166	8016437	7680444	7808682	2.33	cps
Carbon	12-2	49630	49643	50881	50051	1.44	cps
Chlorine	35-1	9599397	10038212	9777244	9804951	2.25	cps
Chlorine	35-2	40914	42018	41526	41486	1.33	cps
Chromium	52-2	1380	1287	1447	1371	5.86	cps
Cobalt	59-2	157	137	217	170	24.49	cps
Copper	63-2	6815	7349	7279	7147	4.06	cps
Dysprosium	156-1	17	37	23	26	39.85	cps
Dysprosium	156-2	3	0	7	3	100.05	cps
Erbium	164-1	103	103	110	106	3.65	cps
Erbium	164-2	30	30	37	32	11.95	cps
Gadolinium	160-1	110	147	123	127	14.65	cps
Gadolinium	160-2	17	33	33	28	34.63	cps
Holmium	165-1	20525459	19972971	19850413	20116281	1.79	cps
Holmium	165-2	7277241	7611300	7881762	7590101	3.99	cps
Indium	115-1	16578952	16047541	15996097	16207530	1.99	cps
Indium	115-2	1703936	1764002	1807340	1758426	2.95	cps
Iron	54-2	46750	48188	48783	47907	2.18	cps
Iron	56-2	852717	881447	898704	877622	2.65	cps
Iron	57-2	21456	21617	22287	21787	2.02	cps
Krypton	83-1	277	297	300	291	4.34	cps
Lead	206-1	2177	2107	1944	2076	5.77	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-09LX5	Instrumnet Name :	P8
Client Sample ID :	ME2959L	Dilution Factor :	5
Date & Time Acquired :	2025-02-06 14:21:29	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1703	1693	1697	1698	0.30	cps
Lead	208-1	8028	7844	7878	7917	1.23	cps
Lithium	6-1	9492785	9442757	9262487	9399343	1.29	cps
Magnesium	24-2	8161746	8383805	8703461	8416337	3.24	cps
Manganese	55-2	21126	21977	22291	21798	2.77	cps
Molybdenum	94-1	1423	1460	1233	1372	8.87	cps
Molybdenum	95-1	1510	1613	1653	1592	4.65	cps
Molybdenum	96-1	1747	1703	1697	1716	1.58	cps
Molybdenum	97-1	1070	1030	890	997	9.48	cps
Molybdenum	98-1	2447	2490	2457	2465	0.92	cps
Neodymium	150-1	17	27	23	22	22.91	cps
Neodymium	150-2	7	10	7	8	24.71	cps
Nickel	60-2	973	997	1070	1013	4.98	cps
Phosphorus	31-2	100	73	77	83	17.44	cps
Potassium	39-2	171007	174906	178503	174805	2.14	cps
Rhodium	103-1	15176679	15213158	14880731	15090189	1.21	cps
Rhodium	103-2	6112382	6383641	6441505	6312509	2.78	cps
Scandium	45-1	12109780	12063662	11760891	11978111	1.58	cps
Scandium	45-2	232796	239121	242479	238132	2.06	cps
Selenium	82-1	77	40	57	58	31.78	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	3	7	13	8	65.47	cps
Silicon	28-1	24326429	24926240	24113761	24455477	1.72	cps
Silver	107-1	563	637	600	600	6.11	cps
Silver	109-1	420	320	307	349	17.75	cps
Sodium	23-2	20981466	21399614	21735156	21372079	1.77	cps
Strontium	86-1	16740636	16901665	16457973	16700091	1.34	cps
Strontium	88-1	143748191	145285855	141390125	143474723	1.37	cps
Sulfur	34-1	8437985	8575562	8289403	8434317	1.70	cps
Terbium	159-1	20969092	20884540	20363195	20738942	1.58	cps
Terbium	159-2	7170444	7322984	7456563	7316664	1.96	cps
Thallium	203-1	307	337	303	316	5.82	cps
Thallium	205-1	770	657	787	738	9.59	cps
Tin	118-1	4888	4598	4477	4654	4.53	cps
Titanium	47-1	747	680	743	723	5.19	cps
Uranium	238-1	2604	2760	2580	2648	3.70	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-09LX5	Instrumnet Name :	P8
Client Sample ID :	ME2959L	Dilution Factor :	5
Date & Time Acquired :	2025-02-06 14:21:29	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	20	20	43	28	48.49	cps
Ytterbium	172-1	127	133	120	127	5.27	cps
Ytterbium	172-2	63	33	87	61	43.76	cps
Ytterbium	176-1	1957	1940	1934	1944	0.62	cps
Ytterbium	176-2	320	310	333	321	3.64	cps
Yttrium	89-1	29690748	29738308	28739565	29389540	1.92	cps
Yttrium	89-2	2173982	2246527	2237155	2219221	1.78	cps
Zinc	66-2	647	723	727	699	6.48	cps
Zirconium	90-1	1143	1150	1230	1175	4.11	cps
Zirconium	91-1	213	200	213	209	3.69	cps

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-11	Instrumnet Name :	P8
Client Sample ID :	ME2959S	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:24:41	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	150068	152193	152887	151716	0.97	cps
Antimony	121-1	1822016	1805463	1842762	1823413	1.02	cps
Arsenic	75-2	15636	15245	15355	15412	1.31	cps
Barium	135-1	8421172	8574788	8615105	8537022	1.20	cps
Barium	137-1	14540089	14743365	14774343	14685932	0.87	cps
Beryllium	9-1	321209	327191	327738	325380	1.11	cps
Bismuth	209-1	11318538	11626502	11245226	11396755	1.78	cps
Bismuth	209-2	5299446	5016962	5111537	5142648	2.80	cps
Bromine	81-1	108884	131937	144007	128276	13.91	cps
Cadmium	108-1	12869	13774	13273	13305	3.40	cps
Cadmium	106-1	26499	26886	26425	26604	0.93	cps
Cadmium	111-1	208151	208388	210457	208999	0.61	cps
Calcium	43-1	27056514	26993879	27494630	27181674	1.00	cps
Calcium	44-1	436109780	439281793	437190367	437527313	0.37	cps
Carbon	12-1	8775668	9613355	9870165	9419729	6.08	cps
Carbon	12-2	69714	70588	70029	70111	0.63	cps
Chlorine	35-1	65207399	71280364	73720412	70069392	6.26	cps
Chlorine	35-2	317233	319280	321839	319450	0.72	cps
Chromium	52-2	850001	861734	861291	857675	0.78	cps
Cobalt	59-2	4090756	4112263	4073445	4092155	0.48	cps
Copper	63-2	1562054	1476451	1485540	1508015	3.12	cps
Dysprosium	156-1	120	113	140	124	11.15	cps
Dysprosium	156-2	33	20	13	22	45.83	cps
Erbium	164-1	143	147	150	147	2.27	cps
Erbium	164-2	57	80	67	68	17.27	cps
Gadolinium	160-1	147	230	153	177	26.21	cps
Gadolinium	160-2	50	50	57	52	7.37	cps
Holmium	165-1	19749070	20244311	19106422	19699934	2.90	cps
Holmium	165-2	7675600	7318969	7464433	7486334	2.40	cps
Indium	115-1	15664274	16091858	15290967	15682366	2.56	cps
Indium	115-2	1726429	1651437	1651015	1676293	2.59	cps
Iron	54-2	425383	425820	430387	427197	0.65	cps
Iron	56-2	7609792	7527773	7566393	7567986	0.54	cps
Iron	57-2	184159	185375	185136	184890	0.35	cps
Krypton	83-1	350	353	327	343	4.23	cps
Lead	206-1	253583	257606	258639	256609	1.04	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-11	Instrumnet Name :	P8
Client Sample ID :	ME2959S	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:24:41	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	219111	218999	223016	220376	1.04	cps
Lead	208-1	1007486	1017182	1027910	1017526	1.00	cps
Lithium	6-1	9033348	9252075	8844763	9043395	2.25	cps
Magnesium	24-2	39780363	40266687	40382265	40143105	0.80	cps
Manganese	55-2	916877	921996	919020	919298	0.28	cps
Molybdenum	94-1	4467	4731	4501	4566	3.14	cps
Molybdenum	95-1	6522	6638	7075	6745	4.33	cps
Molybdenum	96-1	7422	7555	7312	7430	1.64	cps
Molybdenum	97-1	3981	4031	4217	4076	3.06	cps
Molybdenum	98-1	10564	10180	10934	10560	3.57	cps
Neodymium	150-1	687	657	613	652	5.65	cps
Neodymium	150-2	27	23	27	26	7.55	cps
Nickel	60-2	1052459	1057031	1053283	1054258	0.23	cps
Phosphorus	31-2	173	157	163	164	5.10	cps
Potassium	39-2	799719	805364	801104	802062	0.37	cps
Rhodium	103-1	14228182	14503136	13804968	14178762	2.48	cps
Rhodium	103-2	6109144	5772233	5910977	5930785	2.86	cps
Scandium	45-1	11524238	11963398	11434444	11640693	2.43	cps
Scandium	45-2	245391	233436	238232	239020	2.52	cps
Selenium	82-1	5118	5161	5134	5138	0.43	cps
Selenium	77-2	63	103	77	81	25.11	cps
Selenium	78-2	337	313	310	320	4.54	cps
Silicon	28-1	119629105	120293788	120329445	120084113	0.33	cps
Silver	107-1	978258	1003689	1008620	996855	1.63	cps
Silver	109-1	938201	946282	959422	947968	1.13	cps
Sodium	23-2	103554152	105094088	103826792	104158344	0.79	cps
Strontium	86-1	80014095	81091734	81432619	80846149	0.92	cps
Strontium	88-1	698152363	698478576	704889643	700506861	0.54	cps
Sulfur	34-1	37970750	38148034	38955184	38357989	1.37	cps
Terbium	159-1	20233530	21161967	20029703	20475067	2.95	cps
Terbium	159-2	7387912	7146429	7111027	7215123	2.09	cps
Thallium	203-1	779990	791130	793649	788256	0.92	cps
Thallium	205-1	2012993	2001264	2011215	2008491	0.31	cps
Tin	118-1	10174	10274	10077	10175	0.97	cps
Titanium	47-1	2314	2547	2340	2400	5.32	cps
Uranium	238-1	12850	12760	12696	12769	0.60	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-11	Instrumnet Name :	P8
Client Sample ID :	ME2959S	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:24:41	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1755876	1716500	1784744	1752374	1.95	cps
Ytterbium	172-1	123	130	173	142	19.09	cps
Ytterbium	172-2	37	43	53	44	18.87	cps
Ytterbium	176-1	1863	1873	1833	1857	1.12	cps
Ytterbium	176-2	343	283	280	302	11.79	cps
Yttrium	89-1	28969414	29309653	27874815	28717961	2.61	cps
Yttrium	89-2	2265221	2195389	2150044	2203551	2.63	cps
Zinc	66-2	305966	309465	307162	307531	0.58	cps
Zirconium	90-1	2460	2600	2494	2518	2.90	cps
Zirconium	91-1	607	733	670	670	9.45	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-12	Instrumnet Name :	P8
Client Sample ID :	ME2963	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:28:11	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	49996	50457	50223	50225	0.46	cps
Antimony	121-1	1557	1900	1820	1759	10.21	cps
Arsenic	75-2	943	930	900	924	2.40	cps
Barium	135-1	177028	178338	178861	178076	0.53	cps
Barium	137-1	308432	310502	311324	310086	0.48	cps
Beryllium	9-1	551	510	522	528	4.01	cps
Bismuth	209-1	11324929	12497489	12351881	12058100	5.30	cps
Bismuth	209-2	5530582	5502276	5588671	5540510	0.79	cps
Bromine	81-1	237487	257911	269961	255119	6.43	cps
Cadmium	108-1	217	193	213	208	6.07	cps
Cadmium	106-1	8256	9036	8579	8624	4.55	cps
Cadmium	111-1	5907	6453	6110	6157	4.48	cps
Calcium	43-1	8781310	8733553	8821218	8778694	0.50	cps
Calcium	44-1	140521018	141703541	143963531	142062697	1.23	cps
Carbon	12-1	17960326	19192138	19746037	18966167	4.82	cps
Carbon	12-2	128502	129804	131058	129788	0.98	cps
Chlorine	35-1	6583423	6361854	6166254	6370510	3.28	cps
Chlorine	35-2	23676	23149	22421	23082	2.73	cps
Chromium	52-2	1963	2020	1900	1961	3.06	cps
Cobalt	59-2	1237	1380	1337	1318	5.58	cps
Copper	63-2	10180	9773	9897	9950	2.10	cps
Dysprosium	156-1	33	67	37	46	40.30	cps
Dysprosium	156-2	23	20	10	18	39.03	cps
Erbium	164-1	100	160	153	138	23.87	cps
Erbium	164-2	37	53	47	46	18.41	cps
Gadolinium	160-1	160	140	150	150	6.67	cps
Gadolinium	160-2	23	33	30	29	17.63	cps
Holmium	165-1	19050571	20245340	20426649	19907520	3.76	cps
Holmium	165-2	7727450	7839739	7762897	7776695	0.74	cps
Indium	115-1	15036435	16372502	16511717	15973551	5.10	cps
Indium	115-2	1789892	1761518	1765304	1772238	0.87	cps
Iron	54-2	3627	3931	3601	3719	4.93	cps
Iron	56-2	66902	66481	65436	66273	1.14	cps
Iron	57-2	2010	1997	2070	2026	1.93	cps
Krypton	83-1	250	293	300	281	9.66	cps
Lead	206-1	4367	4361	4344	4357	0.28	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-12	Instrumnet Name :	P8
Client Sample ID :	ME2963	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:28:11	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3524	3624	3811	3653	3.98	cps
Lead	208-1	16598	16568	16898	16688	1.09	cps
Lithium	6-1	9323565	9696331	9907557	9642484	3.07	cps
Magnesium	24-2	11491	12115	11585	11730	2.87	cps
Manganese	55-2	3590	3771	3714	3692	2.49	cps
Molybdenum	94-1	230556	232890	234473	232640	0.85	cps
Molybdenum	95-1	398031	402589	401857	400826	0.61	cps
Molybdenum	96-1	425983	431372	431279	429544	0.72	cps
Molybdenum	97-1	247748	252237	251268	250418	0.94	cps
Molybdenum	98-1	638214	638053	643951	640073	0.52	cps
Neodymium	150-1	43	30	47	40	22.05	cps
Neodymium	150-2	13	0	20	11	91.66	cps
Nickel	60-2	361620	360109	359447	360392	0.31	cps
Phosphorus	31-2	1553	1670	1700	1641	4.72	cps
Potassium	39-2	10534088	10479176	10249369	10420878	1.45	cps
Rhodium	103-1	14292120	15574468	15499634	15122074	4.76	cps
Rhodium	103-2	6392339	6319563	6323536	6345146	0.64	cps
Scandium	45-1	11272161	12052771	12290786	11871906	4.49	cps
Scandium	45-2	245200	246687	245425	245771	0.33	cps
Selenium	82-1	493	467	473	478	2.90	cps
Selenium	77-2	0	17	10	9	94.38	cps
Selenium	78-2	20	33	33	29	26.64	cps
Silicon	28-1	34224025	35203359	35256569	34894651	1.67	cps
Silver	107-1	1147	887	913	982	14.56	cps
Silver	109-1	870	963	770	868	11.14	cps
Sodium	23-2	17856761	17773911	17890473	17840382	0.34	cps
Strontium	86-1	7957234	8064803	8034892	8018977	0.69	cps
Strontium	88-1	69516806	69353392	69843062	69571087	0.36	cps
Sulfur	34-1	1949773	1942937	1970520	1954410	0.73	cps
Terbium	159-1	19518132	20738338	21340173	20532214	4.52	cps
Terbium	159-2	7598246	7550106	7371014	7506455	1.60	cps
Thallium	203-1	630	533	537	567	9.68	cps
Thallium	205-1	1203	1320	1197	1240	5.59	cps
Tin	118-1	8323	8846	8636	8602	3.06	cps
Titanium	47-1	2307	2120	2000	2142	7.21	cps
Uranium	238-1	120	70	57	82	40.61	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-12	Instrumnet Name :	P8
Client Sample ID :	ME2963	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:28:11	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	9310	9433	9210	9318	1.20	cps
Ytterbium	172-1	123	117	123	121	3.18	cps
Ytterbium	172-2	83	60	70	71	16.46	cps
Ytterbium	176-1	2267	2130	2204	2200	3.11	cps
Ytterbium	176-2	333	410	347	363	11.27	cps
Yttrium	89-1	27806540	29934507	30480595	29407214	4.80	cps
Yttrium	89-2	2303674	2302109	2245262	2283681	1.46	cps
Zinc	66-2	1250	1227	1220	1232	1.28	cps
Zirconium	90-1	1337	1327	1313	1326	0.88	cps
Zirconium	91-1	267	293	310	290	7.54	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-13	Instrumnet Name :	P8
Client Sample ID :	ME2967	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:31:25	DataFile Name :	043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4744	4471	4437	4551	3.70	cps
Antimony	121-1	3644	3487	3490	3540	2.53	cps
Arsenic	75-2	473	607	493	524	13.71	cps
Barium	135-1	91999	94241	93359	93200	1.21	cps
Barium	137-1	161138	162244	160865	161416	0.45	cps
Beryllium	9-1	381	464	435	427	9.81	cps
Bismuth	209-1	11643701	12167888	12420971	12077520	3.28	cps
Bismuth	209-2	5413220	5388088	6336363	5712557	9.46	cps
Bromine	81-1	228515	267491	294124	263377	12.53	cps
Cadmium	108-1	137	227	170	178	25.59	cps
Cadmium	106-1	8173	9040	8713	8642	5.07	cps
Cadmium	111-1	5978	6459	6307	6248	3.93	cps
Calcium	43-1	1124550	1134180	1127985	1128905	0.43	cps
Calcium	44-1	18772795	18560585	18470700	18601360	0.83	cps
Carbon	12-1	11988525	12603654	12952846	12515008	3.90	cps
Carbon	12-2	84089	83475	84893	84152	0.85	cps
Chlorine	35-1	5853502	6415722	6545471	6271565	5.86	cps
Chlorine	35-2	27242	27493	26865	27200	1.16	cps
Chromium	52-2	1813	1580	1687	1693	6.90	cps
Cobalt	59-2	1033	917	1010	987	6.26	cps
Copper	63-2	27781	27951	26588	27440	2.71	cps
Dysprosium	156-1	43	23	33	33	30.00	cps
Dysprosium	156-2	7	3	10	7	50.03	cps
Erbium	164-1	77	140	117	111	28.83	cps
Erbium	164-2	33	40	53	42	24.12	cps
Gadolinium	160-1	147	167	183	166	11.09	cps
Gadolinium	160-2	17	47	60	41	53.98	cps
Holmium	165-1	18768578	20188387	20235899	19730955	4.23	cps
Holmium	165-2	7473225	7661340	8810440	7981668	9.07	cps
Indium	115-1	15117094	16550659	16569817	16079190	5.18	cps
Indium	115-2	1700662	1704121	1973107	1792630	8.72	cps
Iron	54-2	22234	21900	21383	21839	1.96	cps
Iron	56-2	399118	395031	388887	394345	1.31	cps
Iron	57-2	9813	10057	10344	10071	2.64	cps
Krypton	83-1	297	283	293	291	2.38	cps
Lead	206-1	2877	2510	2424	2604	9.24	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-13	Instrumnet Name :	P8
Client Sample ID :	ME2967	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:31:25	DataFile Name :	043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2284	2214	2237	2245	1.59	cps
Lead	208-1	10475	9895	9768	10046	3.75	cps
Lithium	6-1	9271784	9757659	9906701	9645381	3.44	cps
Magnesium	24-2	129482	131695	127545	129574	1.60	cps
Manganese	55-2	14237	14381	14247	14288	0.56	cps
Molybdenum	94-1	177011	176213	178418	177214	0.63	cps
Molybdenum	95-1	305247	307406	308922	307192	0.60	cps
Molybdenum	96-1	327459	329813	328244	328505	0.36	cps
Molybdenum	97-1	189840	190851	192769	191153	0.78	cps
Molybdenum	98-1	490577	490729	491064	490790	0.05	cps
Neodymium	150-1	33	67	47	49	34.32	cps
Neodymium	150-2	3	0	3	2	86.60	cps
Nickel	60-2	58500	58128	56244	57624	2.10	cps
Phosphorus	31-2	593	517	630	580	9.97	cps
Potassium	39-2	13412647	13312261	13067958	13264289	1.34	cps
Rhodium	103-1	14697973	15026924	15248159	14991019	1.85	cps
Rhodium	103-2	6271518	6153881	7154166	6526522	8.38	cps
Scandium	45-1	11252091	12108082	11925701	11761958	3.83	cps
Scandium	45-2	235171	235952	269427	246850	7.92	cps
Selenium	82-1	287	297	300	294	2.36	cps
Selenium	77-2	7	7	0	4	86.60	cps
Selenium	78-2	30	23	30	28	13.86	cps
Silicon	28-1	29029458	29273052	29403806	29235439	0.65	cps
Silver	107-1	593	700	443	579	22.27	cps
Silver	109-1	403	450	487	447	9.35	cps
Sodium	23-2	29918416	30059963	29536404	29838261	0.91	cps
Strontium	86-1	2980021	3085862	2997691	3021191	1.88	cps
Strontium	88-1	26044379	25366828	26100017	25837075	1.58	cps
Sulfur	34-1	1954003	1935262	1901918	1930395	1.37	cps
Terbium	159-1	19587379	20952645	20616179	20385401	3.49	cps
Terbium	159-2	7249789	7195956	8430562	7625436	9.15	cps
Thallium	203-1	453	417	417	429	4.94	cps
Thallium	205-1	967	1000	1017	994	2.56	cps
Tin	118-1	8329	8122	8039	8164	1.83	cps
Titanium	47-1	1303	1323	1397	1341	3.66	cps
Uranium	238-1	6405	6682	6535	6541	2.12	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-13	Instrumnet Name :	P8
Client Sample ID :	ME2967	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:31:25	DataFile Name :	043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	5985	6095	5625	5901	4.17	cps
Ytterbium	172-1	117	113	143	124	13.22	cps
Ytterbium	172-2	43	37	73	51	38.21	cps
Ytterbium	176-1	1833	2117	2040	1997	7.34	cps
Ytterbium	176-2	317	240	367	308	20.73	cps
Yttrium	89-1	27429296	29220805	28997486	28549196	3.42	cps
Yttrium	89-2	2236872	2195223	2486068	2306054	6.82	cps
Zinc	66-2	3170	3057	3190	3139	2.29	cps
Zirconium	90-1	1173	1430	1270	1291	10.04	cps
Zirconium	91-1	243	250	220	238	6.63	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-14	Instrumnet Name :	P8
Client Sample ID :	ME2965	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:34:37	DataFile Name :	044AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	62514	62694	61171	62126	1.34	cps
Antimony	121-1	1980	2050	1937	1989	2.88	cps
Arsenic	75-2	2000	1813	2050	1955	6.38	cps
Barium	135-1	212455	214621	216939	214672	1.04	cps
Barium	137-1	365263	376343	375072	372226	1.63	cps
Beryllium	9-1	412	380	427	407	5.97	cps
Bismuth	209-1	10591205	11669891	12014463	11425186	6.50	cps
Bismuth	209-2	5407267	5884795	6051968	5781343	5.79	cps
Bromine	81-1	668386	783182	852360	767976	12.10	cps
Cadmium	108-1	413	427	397	412	3.65	cps
Cadmium	106-1	7349	8553	8469	8124	8.28	cps
Cadmium	111-1	5291	6188	6091	5857	8.40	cps
Calcium	43-1	6940115	7029121	7057323	7008853	0.87	cps
Calcium	44-1	113220705	112258308	114206062	113228358	0.86	cps
Carbon	12-1	38159030	41967954	44863266	41663417	8.07	cps
Carbon	12-2	303980	302616	305233	303943	0.43	cps
Chlorine	35-1	13854778	15202272	15695998	14917683	6.39	cps
Chlorine	35-2	67684	66703	68240	67542	1.15	cps
Chromium	52-2	4097	4091	4101	4096	0.12	cps
Cobalt	59-2	1493	1227	1330	1350	9.96	cps
Copper	63-2	20398	20171	20832	20467	1.64	cps
Dysprosium	156-1	23	27	30	27	12.51	cps
Dysprosium	156-2	7	3	7	6	34.70	cps
Erbium	164-1	90	100	87	92	7.52	cps
Erbium	164-2	33	33	43	37	15.75	cps
Gadolinium	160-1	147	127	107	127	15.79	cps
Gadolinium	160-2	33	27	27	29	13.31	cps
Holmium	165-1	17987597	19738326	20420075	19381999	6.47	cps
Holmium	165-2	7590483	8344642	8675376	8203500	6.78	cps
Indium	115-1	13989369	15617905	16177382	15261552	7.45	cps
Indium	115-2	1693749	1891616	1965399	1850255	7.59	cps
Iron	54-2	3374	3257	3280	3304	1.87	cps
Iron	56-2	57345	57050	56123	56839	1.12	cps
Iron	57-2	1710	1707	1617	1678	3.16	cps
Krypton	83-1	290	310	307	302	3.54	cps
Lead	206-1	2080	2120	2054	2085	1.61	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-14	Instrumnet Name :	P8
Client Sample ID :	ME2965	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:34:37	DataFile Name :	044AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1687	1670	1710	1689	1.19	cps
Lead	208-1	7984	8148	8061	8064	1.01	cps
Lithium	6-1	8699331	9695893	9744388	9379871	6.29	cps
Magnesium	24-2	3327	3040	3290	3219	4.85	cps
Manganese	55-2	1583	1657	1650	1630	2.49	cps
Molybdenum	94-1	443870	450113	447547	447177	0.70	cps
Molybdenum	95-1	766521	773749	777706	772659	0.73	cps
Molybdenum	96-1	826205	830296	838383	831628	0.75	cps
Molybdenum	97-1	476091	488086	491463	485213	1.66	cps
Molybdenum	98-1	1243957	1250341	1250475	1248258	0.30	cps
Neodymium	150-1	53	20	50	41	44.65	cps
Neodymium	150-2	3	7	3	4	43.40	cps
Nickel	60-2	986881	981558	975251	981230	0.59	cps
Phosphorus	31-2	2357	2564	2497	2472	4.27	cps
Potassium	39-2	32710202	31994172	31973149	32225841	1.30	cps
Rhodium	103-1	13236829	14590518	14953567	14260305	6.34	cps
Rhodium	103-2	6186944	6765814	7020375	6657711	6.42	cps
Scandium	45-1	10463550	11554511	11890123	11302728	6.60	cps
Scandium	45-2	239386	260944	275502	258611	7.03	cps
Selenium	82-1	507	460	580	516	11.73	cps
Selenium	77-2	7	10	13	10	33.30	cps
Selenium	78-2	23	27	20	23	14.29	cps
Silicon	28-1	41705029	41958328	42604594	42089317	1.10	cps
Silver	107-1	460	450	467	459	1.83	cps
Silver	109-1	300	363	303	322	11.06	cps
Sodium	23-2	67864687	67750297	67699744	67771576	0.12	cps
Strontium	86-1	13003204	13078919	12845514	12975879	0.92	cps
Strontium	88-1	112375592	113377805	112211982	112655126	0.56	cps
Sulfur	34-1	1918342	1906489	1877644	1900825	1.10	cps
Terbium	159-1	18285196	20634076	20864885	19928052	7.16	cps
Terbium	159-2	7433297	8022962	8297950	7918070	5.58	cps
Thallium	203-1	303	383	313	333	13.08	cps
Thallium	205-1	877	750	783	803	8.17	cps
Tin	118-1	9106	9173	9764	9348	3.87	cps
Titanium	47-1	2420	2430	2264	2371	3.94	cps
Uranium	238-1	33	53	33	40	28.87	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	Q1186-14	Instrumnet Name :	P8
Client Sample ID :	ME2965	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:34:37	DataFile Name :	044AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	9890	9833	9823	9849	0.37	cps
Ytterbium	172-1	110	120	107	112	6.18	cps
Ytterbium	172-2	47	63	73	61	22.04	cps
Ytterbium	176-1	1733	1967	2144	1948	10.56	cps
Ytterbium	176-2	290	437	347	358	20.67	cps
Yttrium	89-1	25897125	28879908	29163520	27980184	6.47	cps
Yttrium	89-2	2226202	2462613	2513651	2400822	6.39	cps
Zinc	66-2	1107	1043	997	1049	5.26	cps
Zirconium	90-1	1083	1053	1167	1101	5.33	cps
Zirconium	91-1	203	190	247	213	13.89	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P8
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:37:49	DataFile Name :	045CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3827241	3795000	3839696	3820646	0.60	cps
Antimony	121-1	8525720	8530642	8539083	8531815	0.08	cps
Arsenic	75-2	180716	180916	181955	181196	0.37	cps
Barium	135-1	10218199	10311993	10151618	10227270	0.79	cps
Barium	137-1	17343108	17861529	17623989	17609542	1.47	cps
Beryllium	9-1	3151277	3200127	3197006	3182803	0.86	cps
Bismuth	209-1	11259982	11475697	11430372	11388684	1.00	cps
Bismuth	209-2	4999912	4998433	4886906	4961750	1.31	cps
Bromine	81-1	133037	122570	113518	123042	7.94	cps
Cadmium	108-1	163193	166293	165291	164926	0.96	cps
Cadmium	106-1	237425	244822	241928	241392	1.54	cps
Cadmium	111-1	2014161	2091356	2083876	2063131	2.06	cps
Calcium	43-1	14255671	14299266	14306740	14287226	0.19	cps
Calcium	44-1	231915337	229181677	232777517	231291510	0.81	cps
Carbon	12-1	10537287	10222388	9999194	10252956	2.64	cps
Carbon	12-2	66342	65689	64551	65527	1.38	cps
Chlorine	35-1	1876699	1790921	1729447	1799022	4.11	cps
Chlorine	35-2	6582	6178	5818	6192	6.17	cps
Chromium	52-2	2095717	2112936	2054208	2087621	1.45	cps
Cobalt	59-2	3780112	3817097	3909533	3835581	1.74	cps
Copper	63-2	28464765	27909425	27920701	28098297	1.13	cps
Dysprosium	156-1	440	467	487	464	5.04	cps
Dysprosium	156-2	113	77	127	106	24.53	cps
Erbium	164-1	437	433	413	428	2.95	cps
Erbium	164-2	147	167	177	163	9.35	cps
Gadolinium	160-1	377	400	443	407	8.32	cps
Gadolinium	160-2	173	177	150	167	8.72	cps
Holmium	165-1	19907348	19882995	20055802	19948715	0.47	cps
Holmium	165-2	7423167	7274415	7294512	7330698	1.10	cps
Indium	115-1	15075422	15025633	15462418	15187824	1.57	cps
Indium	115-2	1581563	1600029	1623284	1601625	1.31	cps
Iron	54-2	20147296	19843578	19955762	19982212	0.77	cps
Iron	56-2	374951541	367199208	366534088	369561612	1.27	cps
Iron	57-2	9555127	9316153	9236978	9369419	1.77	cps
Krypton	83-1	293	300	327	307	5.75	cps
Lead	206-1	32091449	33190189	32335410	32539016	1.77	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P8
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:37:49	DataFile Name :	045CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	27833795	28496280	28072915	28134330	1.19	cps
Lead	208-1	126607836	131062139	129579769	129083248	1.76	cps
Lithium	6-1	8773920	8813411	8800202	8795844	0.23	cps
Magnesium	24-2	66417937	65911867	66947216	66425673	0.78	cps
Manganese	55-2	8430265	8221327	8186490	8279361	1.59	cps
Molybdenum	94-1	30728650	31012688	31221695	30987677	0.80	cps
Molybdenum	95-1	43982319	44410924	44623508	44338917	0.74	cps
Molybdenum	96-1	48049444	48953611	49425084	48809380	1.43	cps
Molybdenum	97-1	26679065	27492105	27655895	27275688	1.92	cps
Molybdenum	98-1	69836914	71746469	72085171	71222851	1.70	cps
Neodymium	150-1	810	787	803	800	1.50	cps
Neodymium	150-2	57	130	57	81	52.19	cps
Nickel	60-2	975389	970941	980311	975547	0.48	cps
Phosphorus	31-2	37525	37171	36914	37203	0.83	cps
Potassium	39-2	19353680	19338522	19592075	19428092	0.73	cps
Rhodium	103-1	13875961	13924240	14095701	13965301	0.83	cps
Rhodium	103-2	5578127	5727040	5725763	5676977	1.51	cps
Scandium	45-1	11399834	11465868	11452604	11439436	0.31	cps
Scandium	45-2	230475	229170	231538	230395	0.51	cps
Selenium	82-1	123850	126191	124920	124987	0.94	cps
Selenium	77-2	2514	2324	2354	2397	4.26	cps
Selenium	78-2	7862	7545	8006	7804	3.02	cps
Silicon	28-1	7934581	7994577	8152390	8027182	1.40	cps
Silver	107-1	10322022	10320102	10336717	10326280	0.09	cps
Silver	109-1	9637519	9723701	9842715	9734645	1.06	cps
Sodium	23-2	134129905	133112958	133029731	133424198	0.46	cps
Strontium	86-1	2860180	2880358	2881952	2874163	0.42	cps
Strontium	88-1	24391000	24722185	24887892	24667026	1.03	cps
Sulfur	34-1	1661319	1662187	1631635	1651714	1.05	cps
Terbium	159-1	20291500	20454764	20206186	20317483	0.62	cps
Terbium	159-2	7083453	7036573	6996043	7038690	0.62	cps
Thallium	203-1	7976792	8066918	7972922	8005544	0.66	cps
Thallium	205-1	18729730	19204949	19124372	19019684	1.34	cps
Tin	118-1	6825596	6862119	6929753	6872489	0.77	cps
Titanium	47-1	13726913	14108048	14169193	14001385	1.71	cps
Uranium	238-1	25977270	26566225	26737976	26427157	1.51	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P8
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:37:49	DataFile Name :	045CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1659087	1649655	1647611	1652118	0.37	cps
Ytterbium	172-1	487	457	467	470	3.25	cps
Ytterbium	172-2	263	203	263	243	14.24	cps
Ytterbium	176-1	40522	40596	41502	40873	1.33	cps
Ytterbium	176-2	14668	14972	14835	14825	1.03	cps
Yttrium	89-1	28144511	28039385	28230071	28137989	0.34	cps
Yttrium	89-2	2098740	2129270	2150638	2126216	1.23	cps
Zinc	66-2	3124970	3047765	3023617	3065451	1.73	cps
Zirconium	90-1	15378462	15552926	15632206	15521198	0.84	cps
Zirconium	91-1	3510028	3507249	3505504	3507594	0.07	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P8
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:40:31	DataFile Name :	046CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	207	190	193	197	4.48	cps
Antimony	121-1	2857	2377	2254	2496	12.77	cps
Arsenic	75-2	3	10	10	8	49.52	cps
Barium	135-1	570	427	410	469	18.76	cps
Barium	137-1	867	723	710	767	11.33	cps
Beryllium	9-1	1457	1285	1236	1326	8.77	cps
Bismuth	209-1	13281951	12973106	13212939	13155998	1.23	cps
Bismuth	209-2	5633515	5598113	5742499	5658042	1.33	cps
Bromine	81-1	51745	49042	45473	48753	6.45	cps
Cadmium	108-1	40	40	33	38	10.19	cps
Cadmium	106-1	8413	8870	8366	8549	3.26	cps
Cadmium	111-1	6044	6354	5966	6121	3.35	cps
Calcium	43-1	1373	1160	1083	1206	12.47	cps
Calcium	44-1	48893	44993	44388	46092	5.30	cps
Carbon	12-1	6931603	6750086	6731453	6804381	1.62	cps
Carbon	12-2	42020	41064	40419	41168	1.96	cps
Chlorine	35-1	1269731	1214427	1176810	1220323	3.83	cps
Chlorine	35-2	4327	4144	4224	4232	2.17	cps
Chromium	52-2	1050	1023	1157	1077	6.55	cps
Cobalt	59-2	250	203	187	213	15.39	cps
Copper	63-2	5601	5474	5381	5486	2.01	cps
Dysprosium	156-1	13	0	10	8	89.21	cps
Dysprosium	156-2	10	7	7	8	24.71	cps
Erbium	164-1	83	113	97	98	15.38	cps
Erbium	164-2	47	47	47	47	0.00	cps
Gadolinium	160-1	137	127	150	138	8.50	cps
Gadolinium	160-2	30	20	20	23	24.74	cps
Holmium	165-1	21053191	20952545	20903635	20969790	0.36	cps
Holmium	165-2	7504774	7639654	7518924	7554451	0.98	cps
Indium	115-1	17142670	17172315	17225699	17180228	0.24	cps
Indium	115-2	1781169	1745818	1708219	1745068	2.09	cps
Iron	54-2	1223	1030	1150	1135	8.60	cps
Iron	56-2	17775	17364	17334	17491	1.41	cps
Iron	57-2	483	503	363	450	16.83	cps
Krypton	83-1	300	257	307	288	9.43	cps
Lead	206-1	6468	5561	5178	5736	11.55	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P8
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:40:31	DataFile Name :	046CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	5318	4658	4441	4805	9.51	cps
Lead	208-1	24726	21991	20260	22326	10.09	cps
Lithium	6-1	9810327	9604632	9571485	9662148	1.34	cps
Magnesium	24-2	3260	3227	3104	3197	2.58	cps
Manganese	55-2	343	340	300	328	7.36	cps
Molybdenum	94-1	2730	2127	2027	2295	16.59	cps
Molybdenum	95-1	3220	2537	2277	2678	18.20	cps
Molybdenum	96-1	3487	2877	2527	2964	16.40	cps
Molybdenum	97-1	1843	1523	1400	1589	14.40	cps
Molybdenum	98-1	5038	4157	3350	4182	20.18	cps
Neodymium	150-1	17	13	23	18	28.64	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	487	520	590	532	9.91	cps
Phosphorus	31-2	80	83	87	83	4.00	cps
Potassium	39-2	20281	19620	19954	19952	1.66	cps
Rhodium	103-1	16400165	15949787	16140800	16163584	1.40	cps
Rhodium	103-2	6531504	6589666	6515472	6545547	0.60	cps
Scandium	45-1	12013755	12023312	12105893	12047653	0.42	cps
Scandium	45-2	237067	239375	236902	237782	0.58	cps
Selenium	82-1	37	40	-10	22	125.80	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	0	3	27	10	145.32	cps
Silicon	28-1	870862	830159	808845	836622	3.77	cps
Silver	107-1	1850	1717	1413	1660	13.48	cps
Silver	109-1	1700	1423	1243	1456	15.80	cps
Sodium	23-2	90394	88710	88496	89200	1.17	cps
Strontium	86-1	857	687	703	749	12.51	cps
Strontium	88-1	3350	2797	2264	2804	19.38	cps
Sulfur	34-1	820580	819317	827874	822590	0.56	cps
Terbium	159-1	21581134	21467081	21008493	21352236	1.42	cps
Terbium	159-2	7488079	7307892	7521036	7439002	1.54	cps
Thallium	203-1	1190	1193	1107	1163	4.22	cps
Thallium	205-1	2917	2470	2290	2559	12.61	cps
Tin	118-1	2644	2640	2380	2555	5.91	cps
Titanium	47-1	1157	770	720	882	27.09	cps
Uranium	238-1	1513	1087	1050	1217	21.17	cps

Reviewed By:Mohan
On:2/7/2025 11:31:39 AM
Inst Id :P8

LB Number :	LB134612	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P8
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2025-02-06 14:40:31	DataFile Name :	046CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	40	77	63	60	30.93	cps
Ytterbium	172-1	123	127	113	121	5.73	cps
Ytterbium	172-2	43	60	37	47	25.75	cps
Ytterbium	176-1	1950	1917	1934	1934	0.86	cps
Ytterbium	176-2	263	290	333	296	11.95	cps
Yttrium	89-1	29865627	29927303	29980621	29924517	0.19	cps
Yttrium	89-2	2270431	2253518	2191760	2238570	1.85	cps
Zinc	66-2	353	300	283	312	11.71	cps
Zirconium	90-1	2190	1910	1820	1973	9.78	cps
Zirconium	91-1	457	393	367	406	11.40	cps

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Prep Standard - Chemical Standard Summary

Order ID : Q1177

Test : Metals CLP MS FULL

Prepbatch ID : PB166279,

Sequence ID/Qc Batch ID: LB134543,LB134589,LB134612,

Standard ID :
MP82128,MP84041,MP84042,MP84043,MP84044,MP84045,MP84046,MP84047,MP84048,MP84049,MP84050,MP84051,MP84052,MP84053,MP84054,MP84055,MP84056,MP84057,MP84073,MP84074,MP84092,MP84378,

Chemical ID :
M5288,M5289,M5295,M5298,M5304,M5472,M5476,M5496,M5497,M5498,M5513,M5519,M5658,M5697,M5739,M5751,M5768,M5798,M5799,M5800,M5801,M5802,M5806,M5815,M5816,M5817,M5819,M5820,M5873,M5874,M5942,M5960,M5961,M5962,M5976,M5977,M5978,M5981,M5983,M5993,M5999,M6021,M6023,M6025,M6028,M6030,M6032,M6040,M6055,M6121,M6126,M6127,M6128,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
641	1:4 HCL	MP82128	09/03/2024	02/08/2025	Janvi Patel	None	None	Sarabjit Jaswal 09/03/2024

FROM 1500.00000ml of W3112 + 500.00000ml of M6040 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
169	1:1HNO3	MP84041	01/14/2025	07/14/2025	Eman Mughal	None	None	Sarabjit Jaswal 01/16/2025

FROM 1250.00000ml of M6126 + 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
1122	ICPMS CALIB BLANK(S0/ICB/CCB)	MP84042	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 25.00000ml of M6121 + 4925.00000ml of W3112 + 50.00000ml of M6126 = Final Quantity: 5000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3947	S7(SFAM,6020,200.8)	MP84043	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 1.00000ml of M5476 + 1.00000ml of M5799 + 1.00000ml of M5981 + 1.00000ml of M5983 + 1.90000ml of M5496 + 10.00000ml of M5976 + 10.00000ml of M5978 + 10.00000ml of M6126 + 2.00000ml of M5815 + 2.00000ml of M5817 + 4.00000ml of M6025 + 4.00000ml of M6032 + 4.90000ml of M5298 + 4.90000ml of M5519 + 5.00000ml of M6121 + 50.00000ml of M5304 + 830.60000ml of W3112 + 9.00000ml of M5751 + 9.00000ml of M5819 + 9.00000ml of M6128 + 9.90000ml of M5497 + 9.90000ml of M5806 + 9.90000ml of M6127 = Final Quantity: 1000.000 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
3948	S6(SFAM,6020,200.8)	MP84044	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 0.50000ml of M6121 + 1.00000ml of M6126 + 48.50000ml of W3112 + 50.00000ml of MP84043 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3949	S5(SFAM,6020,200.8)	MP84045	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 0.50000ml of M6121 + 1.00000ml of M6126 + 73.50000ml of W3112 + 25.00000ml of MP84043 = Final Quantity: 100.000 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
3954	S4(SFAM,6020,200.8)	MP84046	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 0.50000ml of M6121 + 1.00000ml of M6126 + 86.00000ml of W3112 + 12.50000ml of MP84043 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3951	S3(SFAM, 6020,200.8)	MP84047	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 0.50000ml of M6121 + 1.00000ml of M6126 + 88.50000ml of W3112 + 10.00000ml of MP84044 = Final Quantity: 100.000 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
3955	S2CONC(SFAM,6020,200.8)	MP84048	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 0.05000ml of M5476 + 0.05000ml of M5798 + 0.05000ml of M5800 + 0.05000ml of M5801 + 0.05000ml of M5961 + 0.05000ml of M5981 + 0.05000ml of M5983 + 0.05000ml of M6023 + 0.05000ml of M6025 + 0.05000ml of M6028 + 0.05000ml of M6030 + 0.05000ml of M6128 + 0.10000ml of M5496 + 0.10000ml of M5658 + 0.10000ml of M5751 + 0.10000ml of M5802 + 0.25000ml of M5298 + 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 M6032 + 2.00000ml of M5815 + 2.00000ml of M5817 + 2.50000ml of M5498 + 2.50000ml of M5519 + 2.50000ml of M5806 + 2.50000ml of M6121 + 2.50000ml of M6127 + 225.25000ml of W3112 + 5.00000ml of M6126 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3956	S2(SFAM,6020,200.8)	MP84049	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 0.50000ml of M6121 + 1.00000ml of M6126 + 98.00000ml of W3112 + 0.50000ml of MP84048 = Final Quantity: 100.000 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
3957	S1(SFAM,6020,200.8)	MP84050	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 0.50000ml of M6121 + 1.00000ml of M6126 + 88.50000ml of W3112 + 10.00000ml of MP84049 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3958	ICV(SFAM)	MP84051	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 2.00000ml of M5295 + 98.00000ml of MP84042 = Final Quantity: 100.000 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
3961	CCV	MP84052	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 0.20000ml of M5513 + 0.50000ml of M5476 + 0.50000ml of M5799 + 0.50000ml of M5981 + 0.50000ml of M5983 + 1.00000ml of M5815 + 1.00000ml of M5817 + 10.00000ml of M6126 + 12.45000ml of M5298 + 12.45000ml of M5519 + 2.00000ml of M6032 + 24.95000ml of M5498 + 24.95000ml of M5806 + 24.95000ml of M6127 + 25.00000ml of M5304 + 4.50000ml of M5751 + 4.50000ml of M5819 + 4.50000ml of M6128 + 4.95000ml of M5496 + 5.00000ml of M5976 + 5.00000ml of M6121 + 830.60000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1142	ICSA ICPMS	MP84053	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 10.00000ml of M5873 + 90.00000ml of MP84042 = Final Quantity: 100.000 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
1143	ICSAB ICPMS	MP84054	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 10.00000ml of M5873 + 10.00000ml of M5874 + 80.00000ml of MP84042 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3962	MG 10PPM FOR TUNE	MP84055	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 0.01000ml of M6127 + 9.99000ml of MP84042 = Final Quantity: 100.000 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
3894	TUNE 200PPB	MP84056	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 2.00000ml of M6055 + 2.00000ml of MP84055 + 96.00000ml of MP84042 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3903	ISS 3PPM	MP84057	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 5.00000ml of M6126 + 75.00000ml of M5739 + 170.00000ml of MP84042 = Final Quantity: 250.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2902	S8 ICPMS	MP84073	01/14/2025	02/07/2025	Janvi Patel	None	None	Mohan Bera 01/16/2025

FROM 1.00000ml of M5496 + 2.50000ml of M5288 + 2.50000ml of M5298 + 5.00000ml of M5497 + 5.00000ml of M5806 + 5.00000ml of M6127 + 79.00000ml of MP84042 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
870	ICPMS SPIKE SOL.B	MP84074	01/16/2025	02/07/2025	Janvi Patel	None	METALS_PIPETTE_3 (A)	Sarabjit Jaswal 01/17/2025

FROM 0.45000ml of M5962 + 5.00000ml of M5993 + 5.00000ml of M5999 + 39.55000ml of MP84042 = Final Quantity: 50.000 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
3964	CONC.LCSS SPIKE	MP84092	01/16/2025	02/07/2025	Janvi Patel	None	METALS_PIPETTE_3 (A)	Sarabjit Jaswal 01/17/2025

FROM 0.25000ml of M5472 + 0.25000ml of M5798 + 0.25000ml of M5800 + 0.25000ml of M5801 + 0.25000ml of M5960 + 0.25000ml of M5981 + 0.25000ml of M5983 + 0.25000ml of M6023 + 0.25000ml of M6025 + 0.25000ml of M6028 + 0.25000ml of M6030 + 0.25000ml of M6128 + 0.50000ml of M5289 + 0.50000ml of M5658 + 0.50000ml of M5697 + 0.50000ml of M5802 + 1.25000ml of M5799 + 1.25000ml of M5819 + 1.25000ml of M5942 + 1.25000ml of M5962 + 1.25000ml of M5977 + 1.25000ml of M6021 + 10.00000ml of M6126 + 12.50000ml of M5497 + 12.50000ml of M5519 + 12.50000ml of M5768 + 12.50000ml of M5806 + 152.50000ml of W3112 + 2.50000ml of M6032 + 5.00000ml of M5298 + 5.00000ml of M6121 + 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
1883	SE 10PPM	MP84378	02/05/2025	02/07/2025	Sarabjit Jaswal	None	None	Mohan Bera 02/07/2025

FROM 0.10000ml of M5962 + 9.90000ml of MP84042 = Final Quantity: 10.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	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	04/20/2021 / bin	M5295

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	020422	02/04/2025	05/02/2023 / jaswal	06/15/2022 / jaswal	M5298

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.	57038 / Sr, 1000 PPM, 125 ml	082922	08/29/2025	01/14/2025 / Jaswal	03/16/2023 / jaswal	M5472

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57138 / Sr, 10000 PPM, 125 ml	082922	08/29/2025	07/29/2024 / jaswal	03/16/2023 / jaswal	M5476

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Al, 10000 PPM, 500 ml	011623	01/16/2026	08/15/2023 / jaswal	03/17/2023 / bin	M5496

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58120 / Ca, 10000 PPM, 500 ml	031523	03/15/2026	03/18/2023 / bin	03/17/2023 / bin	M5497

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58120 / Ca, 10000 PPM, 500 ml	031523	03/15/2026	08/15/2023 / jaswal	03/17/2023 / bin	M5498

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57182 / Pb, 10000 PPM, 125 ml	061522	06/15/2025	03/19/2023 / bin	03/17/2023 / bin	M5513

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57119 / Potassium (K) 10,000PPM	120822	12/08/2025	01/08/2024 / bin	03/17/2023 / bin	M5519

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	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 #
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.	58029 / Cu, 1000 PPM, 500 ml	071723	07/17/2026	10/01/2024 / Jaswal	08/25/2023 / jaswal	M5751

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58112 / Mg, 10000 PPM, 500 ml	091823	09/18/2026	01/08/2024 / bin	01/03/2024 / bin	M5768

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57004 / Be, 1000 PPM, 125 ml	102523	10/25/2026	02/09/2024 / bin	02/09/2024 / bin	M5798

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57050 / Sn, 1000 PPM, 125 ml	071123	07/11/2026	02/09/2024 / bin	02/09/2024 / bin	M5799

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57027 / CO, 1000 PPM, 125 ml	091923	09/19/2026	05/31/2024 / bin	02/09/2024 / bin	M5800

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57033 / As, 1000 PPM, 125 ml	111323	11/13/2026	02/09/2024 / bin	02/09/2024 / bin	M5801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57051 / Sb, 1000 PPM, 125 ml	120523	12/05/2026	08/07/2024 / jaswal	01/03/2024 / jaswal	M5802

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58111 / Na, 10000 PPM, 500 ml	122223	12/22/2026	08/01/2024 / Jaswal	01/03/2024 / jaswal	M5806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57115 / P, 10000 PPM, 125 ml	041723	04/17/2026	05/21/2024 / Jaswal	02/09/2024 / jaswal	M5815

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	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.	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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

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	06/18/2024 / Jaswal	02/22/2024 / Jaswal	M5942

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57028 / Ni, 1000 PPM, 125 ml	041124	04/11/2027	07/03/2024 / kareem	06/11/2024 / kareem	M5960

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	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	CGMO1-1 / MOLYBDENUM 125mL 1000ug/mL	T2-MO720876	07/17/2027	01/16/2025 / JANVI	02/22/2024 / Jaswal	M5977

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

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.	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 #
Inorganic Ventures	CLPP-SPK-4 / SOIL/WATER SPIKE SOLN 4, 125mL	V2-MEB742036	03/12/2029	10/04/2024 / Jaswal	02/22/2024 / Jaswal	M5993

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	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	11/09/2026	08/05/2024 / Jaswal	08/05/2024 / Jaswal	M6025

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57048 / Cd, 1000 PPM, 125 ml	070124	07/01/2027	08/05/2024 / kareem	08/05/2024 / Jaswal	M6028

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57047 / Ag, 1000 PPM, 125 ml	122823	12/28/2026	08/05/2024 / kareem	08/05/2024 / Jaswal	M6030

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57056 / Ba, 1000 PPM, 125 ml	010924	01/09/2027	01/14/2025 / Jaswal	08/05/2024 / Jaswal	M6032

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 / Janvi	08/01/2024 / Janvi	M6040

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

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-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	0000275677	05/13/2025	11/13/2024 / Eman	10/13/2024 / Eman	M6121

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	06/03/2025	12/03/2024 / Janvi	11/12/2024 / Janvi	M6126

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58112 / Mg, 10000 PPM, 500 ml	112124	11/21/2027	01/13/2025 / kareem	01/13/2025 / kareem	M6127

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	101124	10/11/2027	01/13/2025 / kareem	01/13/2025 / kareem	M6128

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

INORGANIC VENTURES™

Refine your results. Redefine your industry.

Certificate of Analysis

R: 02/22/24 M5991, M5992, M5993, M5994, M5995

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-SPK-4
Lot Number:	V2-MEB742036
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	100.0 ± 0.7 µg/mL	Arsenic, As	40.00 ± 0.26 µg/mL
Cadmium, Cd	50.00 ± 0.22 µg/mL	Lead, Pb	20.00 ± 0.09 µg/mL
Selenium, Se	10.00 ± 0.04 µg/mL	Thallium, Tl	50.00 ± 0.22 µg/mL

Density: 1.016 g/mL (measured at 20 ± 4 °C)

Assay Information:

1008

ANALYTE	METHOD	NIST SRM#	SRM LOT#
As	ICP Assay	3103a	100818
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Cd	Calculated		See Sec. 4.2
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Pb	Calculated		See Sec. 4.2
Sb	ICP Assay	3102a	140911
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 12, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- March 12, 2029

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6032

R: 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

1012

CERTIFIED WEIGHT REPORT:

Part Number:	**57056**		**Lot #**		
Lot Number:	**010924**	**Solvent:**	24002546	Nitric Acid	
Description:	**Barium (Ba)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	010927				
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		

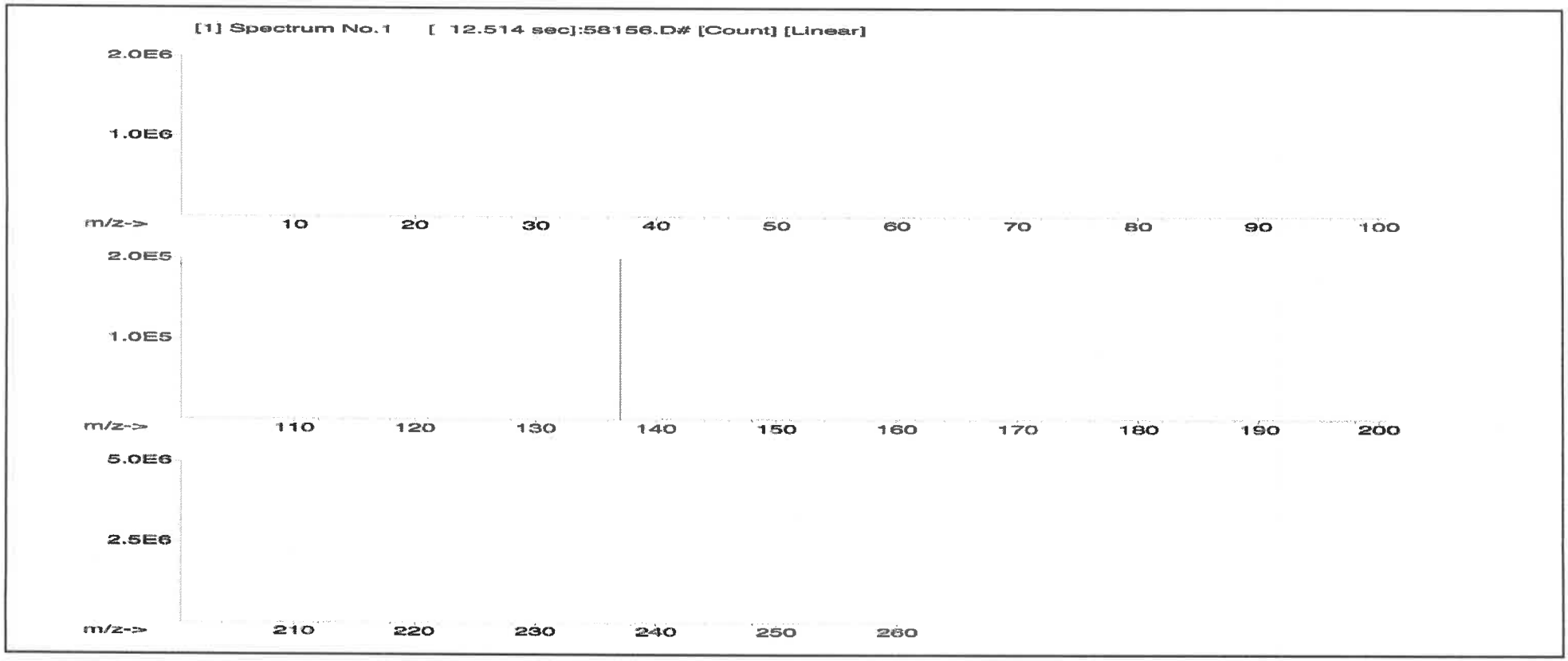
Giovanni Esposito

Formulated By:	Giovanni Esposito	010924

Pedro Rentas

Reviewed By:	Pedro L. Rentas	010924

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	3.82441	**1000.1**	**2.0**	10022-31-8	0.5 mg/m3	orl-rat 355 mg/kg	3104a



1013

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:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6028

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

R 8/5/24

1014

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		

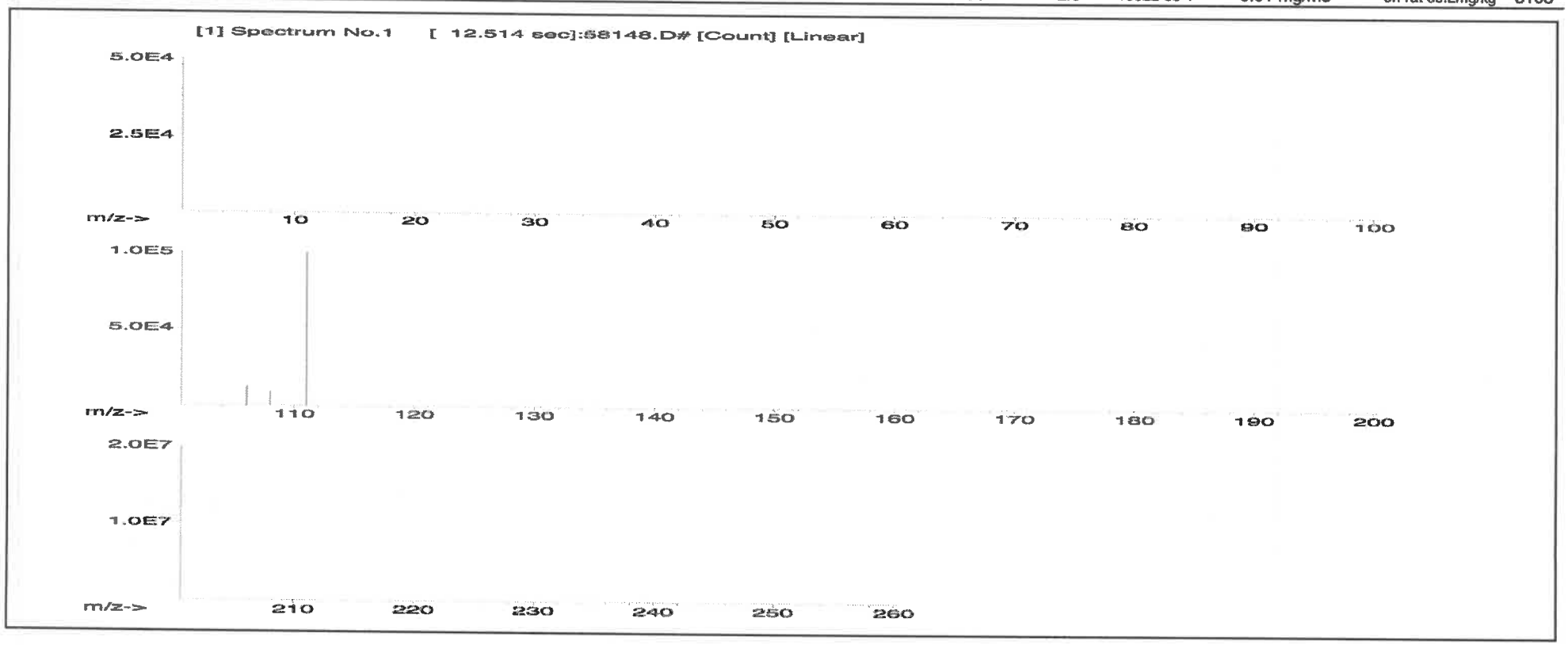
Aleah O'Brady

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



1015

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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 8/5/24 M6025

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

1016

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

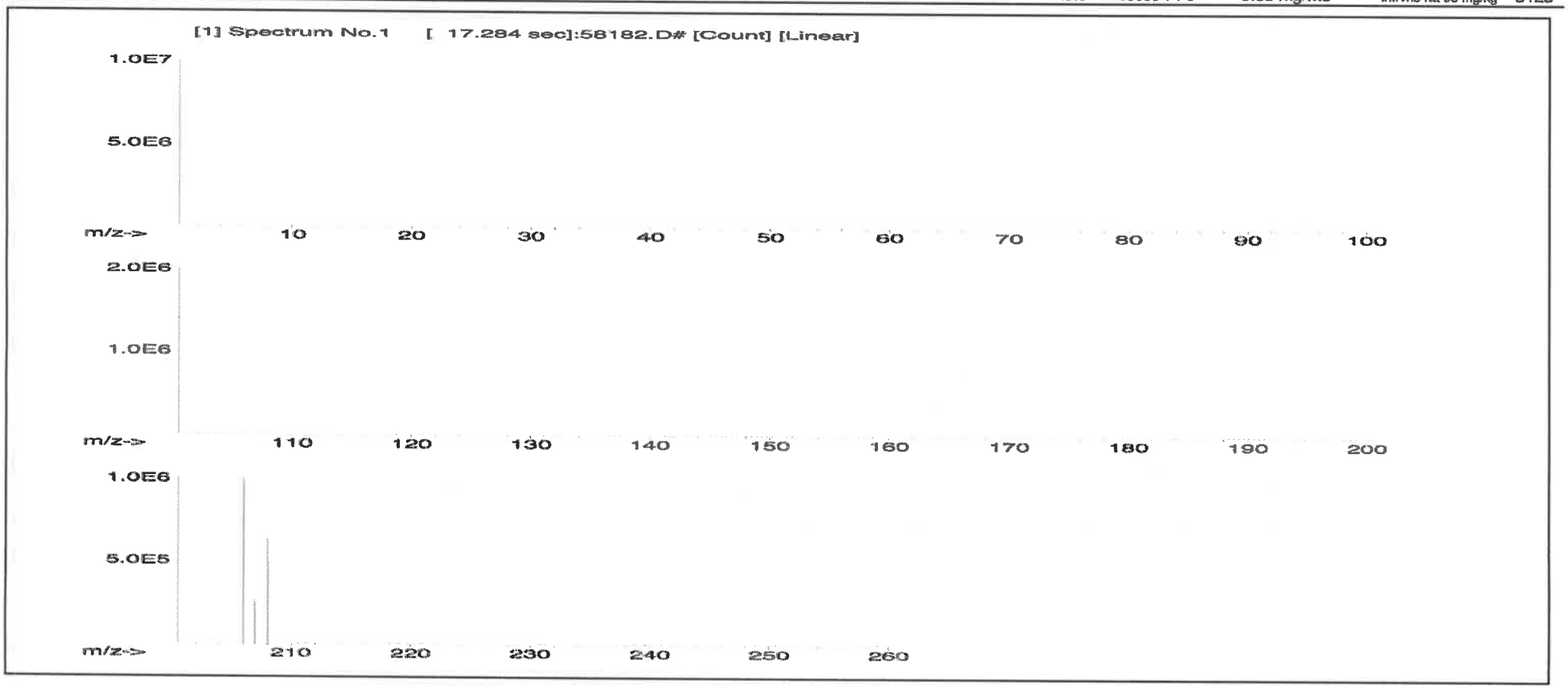
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

		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



1017

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

M5288 R: 07/21/2022

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

10118

CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 071122
Description: Potassium (K)

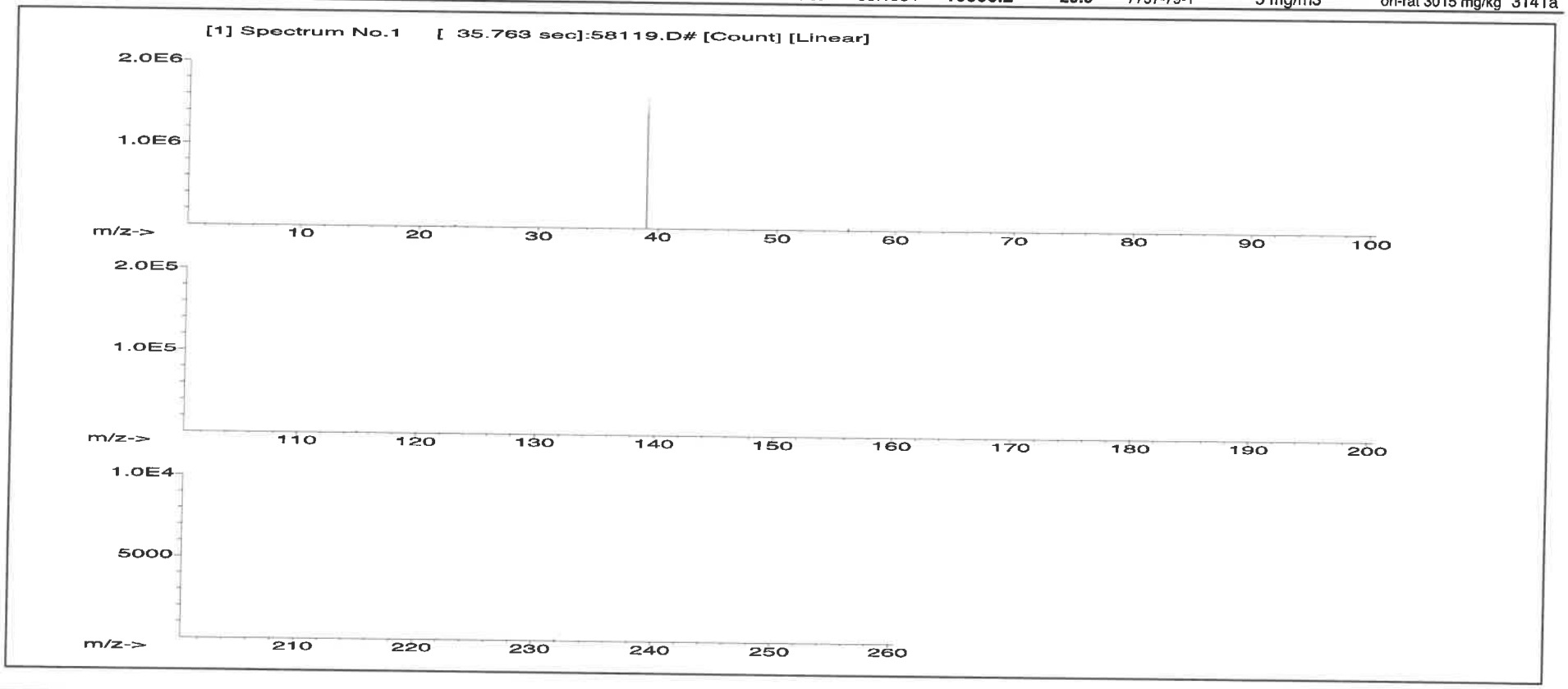
Expiration Date: 071125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

	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
https://Absolutestandards.com

1020

CERTIFIED WEIGHT REPORT:

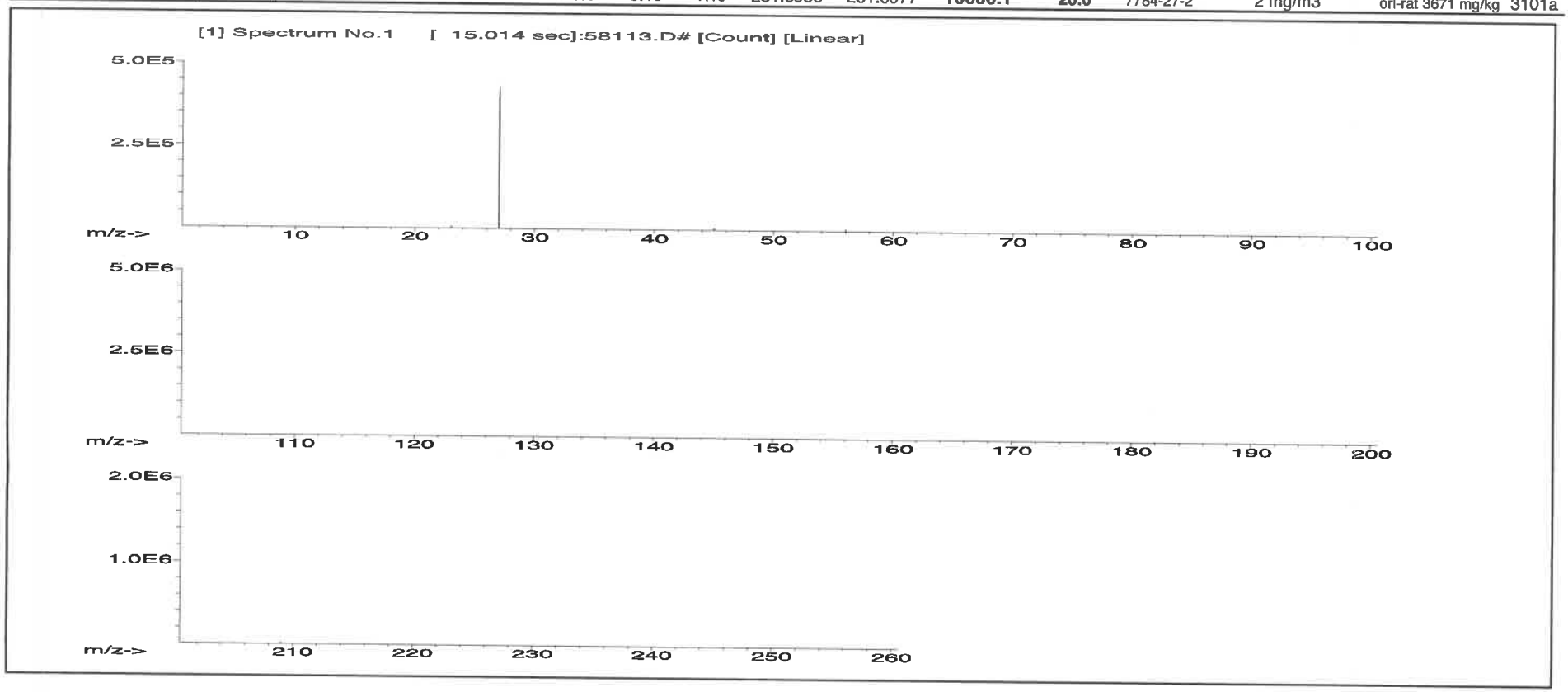
Part Number: 58113
Lot Number: 070622
Description: Aluminum (Al)

Expiration Date: 070625
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

	Lot #		
Solvent:	20370011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	070622
Reviewed By:	Pedro L. Rentas	070622

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Aluminum nitrate nonahydrate (Al)	IN022	ALD012021A1	10000	99.999	0.10	7.10	281.6956	281.6977	**10000.1**	**20.0**	7784-27-2	2 mg/m3	orl-rat 3671 mg/kg	3101a



1021

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

SJ 6/15/22

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58126
Lot Number: 020422
Description: Iron (Fe)

M5298

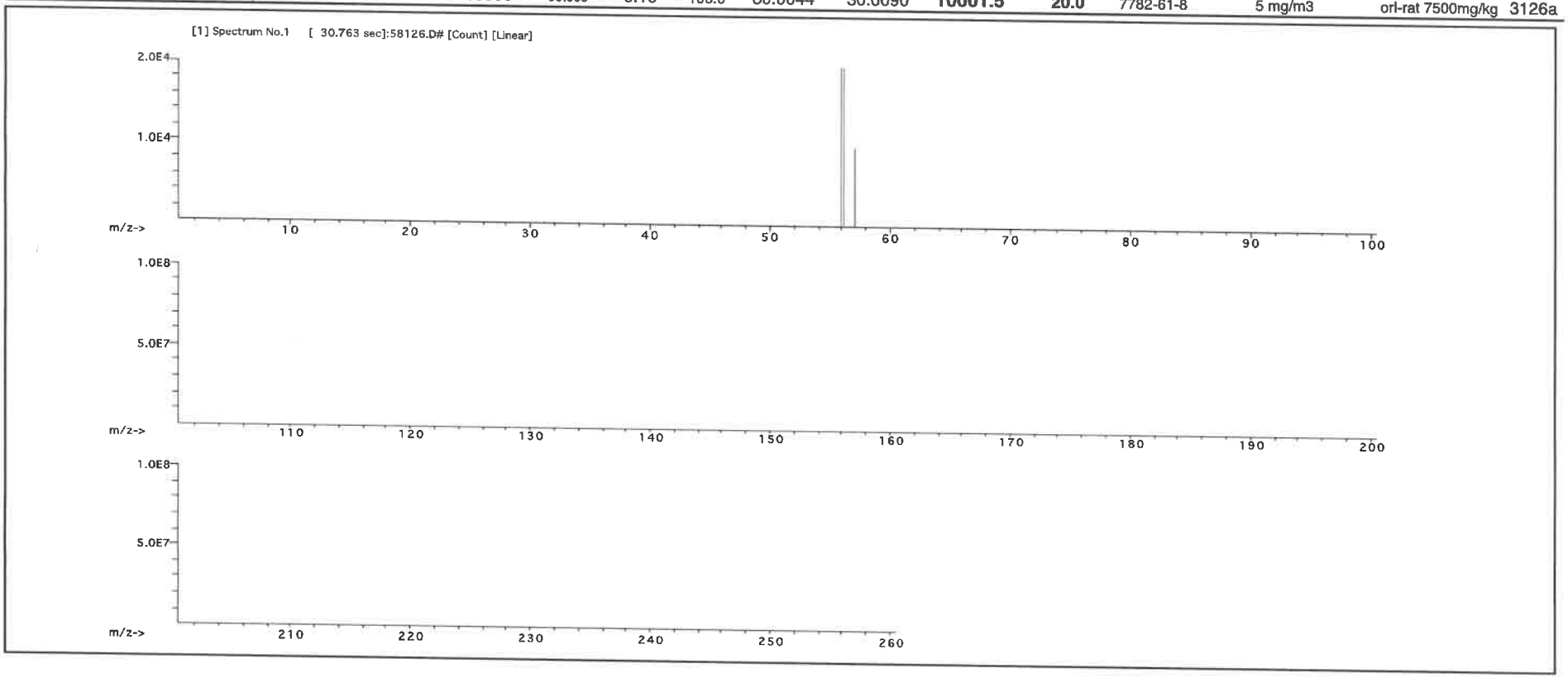
Expiration Date: 020425
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41

	Lot #		
Solvent:	20370011	Nitric Acid	
5.0%	150.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.058	Flask Uncertainty	

Giovanni Esposito

Formulated By:	Giovanni Esposito	020422
Reviewed By:	Pedro L. Rentas	020422

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(III) nitrate nonahydrate (Fe)	IN346	221035107	10000	99.999	0.10	100.0	30.0044	30.0090	**10001.5**	**20.0**	7782-61-8	5 mg/m3	orl-rat 7500mg/kg	3126a



1024

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	<0.5	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	<0.02
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.
* 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).

1025

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	6020CAL-1
Lot Number:	S2-MEB711244
Matrix:	5% (v/v) HNO3 tr. HF
Value / Analyte(s):	20 µg/mL ea:

Silver,	Aluminum,
Arsenic,	Barium,
Beryllium,	Calcium,
Cadmium,	Cobalt,
Chromium,	Copper,
Iron,	Potassium,
Magnesium,	Manganese,
Sodium,	Nickel,
Lead,	Antimony,
Selenium,	Thallium,
Vanadium,	Zinc

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	**20.01 ± 0.08 µg/mL**	**Antimony, Sb**	**20.01 ± 0.12 µg/mL**
Arsenic, As	**20.01 ± 0.18 µg/mL**	**Barium, Ba**	**20.01 ± 0.11 µg/mL**
Beryllium, Be	**20.01 ± 0.14 µg/mL**	**Cadmium, Cd**	**20.01 ± 0.11 µg/mL**
Calcium, Ca	**20.01 ± 0.10 µg/mL**	**Chromium, Cr**	**20.01 ± 0.16 µg/mL**
Cobalt, Co	**20.01 ± 0.11 µg/mL**	**Copper, Cu**	**20.01 ± 0.10 µg/mL**
Iron, Fe	**20.01 ± 0.09 µg/mL**	**Lead, Pb**	**20.01 ± 0.11 µg/mL**
Magnesium, Mg	**19.99 ± 0.10 µg/mL**	**Manganese, Mn**	**20.01 ± 0.10 µg/mL**
Nickel, Ni	**20.01 ± 0.11 µg/mL**	**Potassium, K**	**20.01 ± 0.10 µg/mL**
Selenium, Se	**20.02 ± 0.14 µg/mL**	**Silver, Ag**	**20.02 ± 0.09 µg/mL**
Sodium, Na	**20.01 ± 0.10 µg/mL**	**Thallium, Tl**	**20.01 ± 0.13 µg/mL**
Vanadium, V	**20.01 ± 0.11 µg/mL**	**Zinc, Zn**	**20.01 ± 0.11 µg/mL**

Density: 1.026 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Fe	Calculated		See Sec. 4.2
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	120715
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

Low Silver Note: This solution contains “LOW” levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

October 20, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **October 20, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5496 R 7/20/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

1030

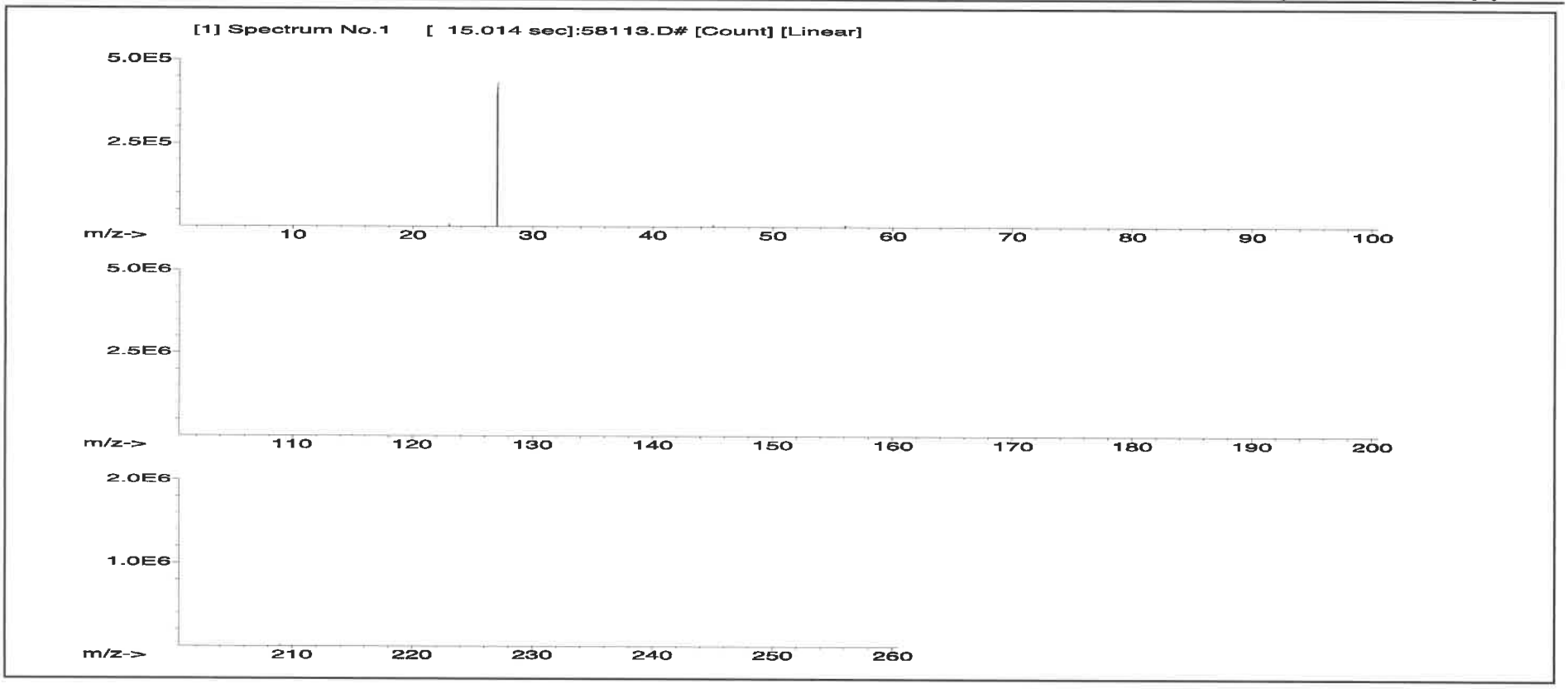
CERTIFIED WEIGHT REPORT:

Part Number:	**58113**		**Lot #**		
Lot Number:	**011623**	**Solvent:**	20510011	Nitric Acid	
Description:	**Aluminum (Al)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	011626				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Giovanni Esposito

Formulated By:	Giovanni Esposito	011623
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



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5497 - M5498 R: 03/17/23 BH

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58120
Lot Number: 031523
Description: Calcium (Ca)

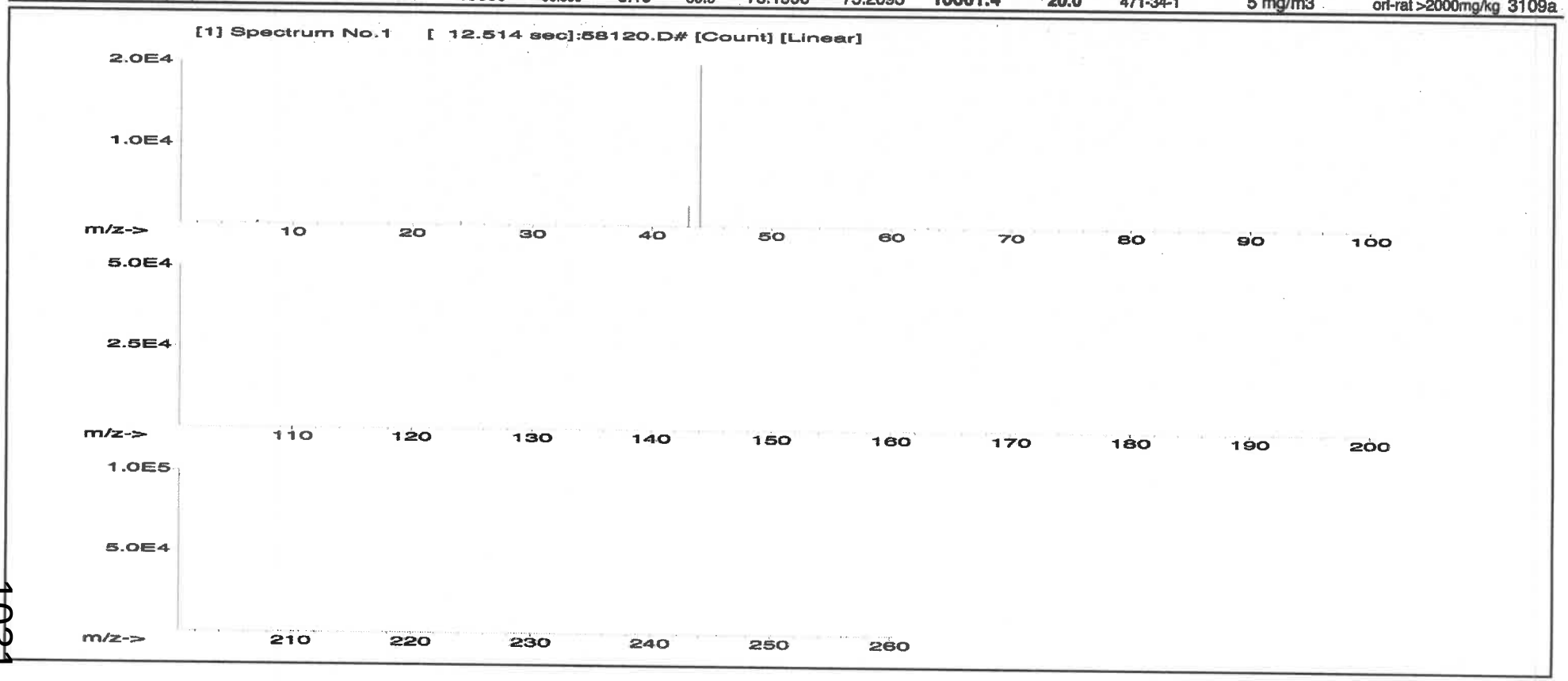
Expiration Date: 031526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41

	Lot #		
Solvent:	21110221	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.058	Flask Uncertainty	

Giovanni Esposito
Formulated By: Giovanni Esposito 031523

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



1031

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	T	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

1032

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

IN5497 - IN5498 R: 03/17/23 BH

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58120
Lot Number: 031523
Description: Calcium (Ca)

Expiration Date: 031526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41 ± 0.058 Flask Uncertainty

		Lot #	
Solvent:	21110221	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

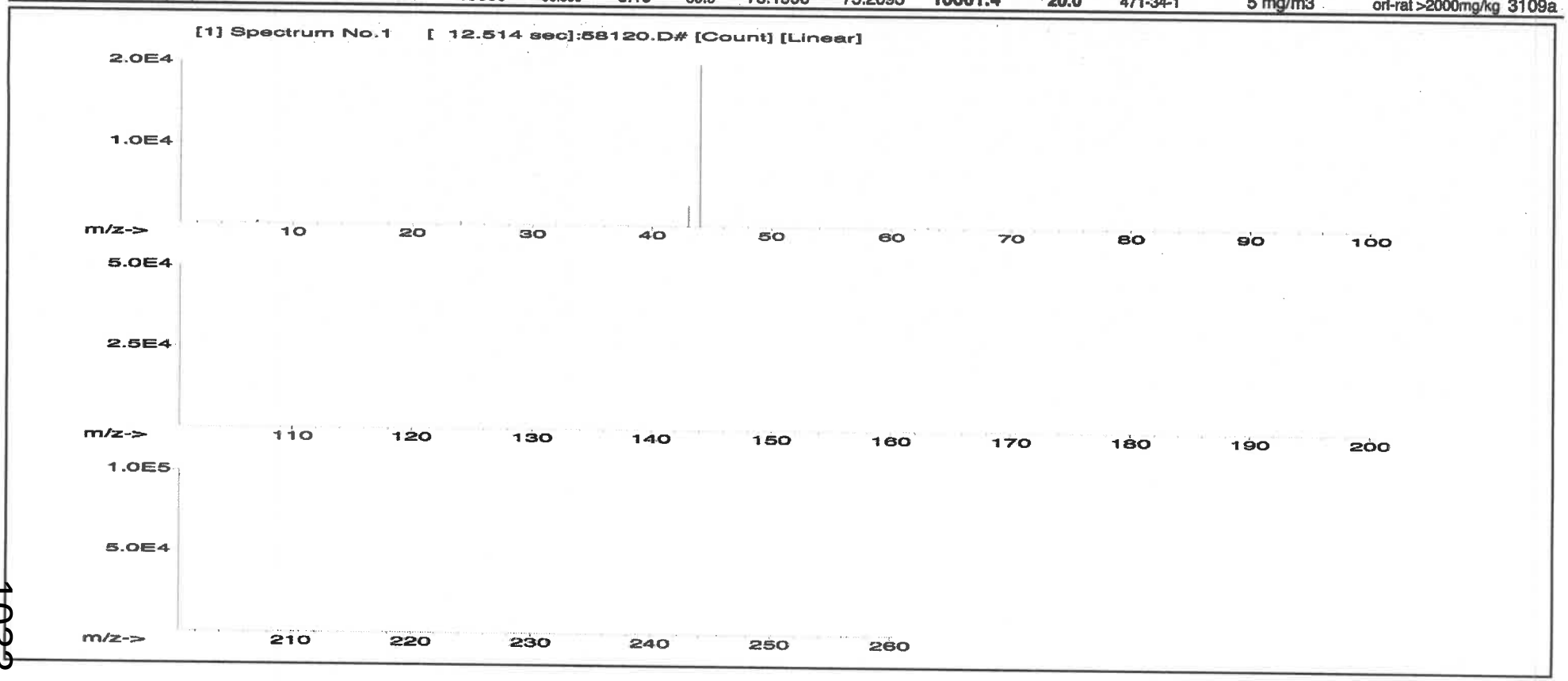
5E-05 Balance Uncertainty

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



1033

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	T	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

17034

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M 5513 R: 03/17/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57182
Lot Number: 061522
Description: Lead (Pb)

Expiration Date: 061525
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

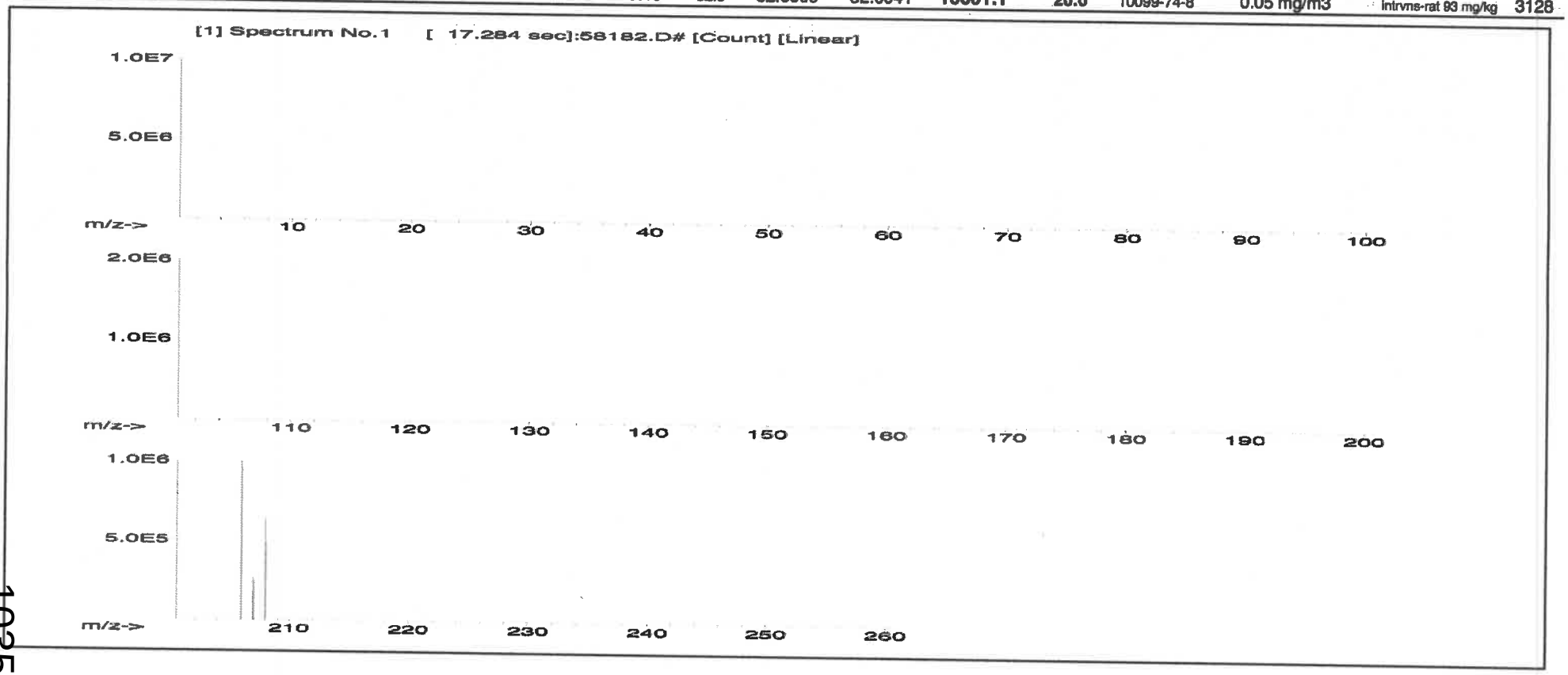
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Giovanni Esposito

Formulated By:	Giovanni Esposito	061522
Reviewed By:	Pedro L. Rentas	061522

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lead(II) nitrate (Pb)	IN029	PBD122016A1	10000	99.999	0.10	62.5	32.0006	32.0041	**10001.1**	**20.0**	10099-74-8	0.05 mg/m3	Intrvns-rat 93 mg/kg	3128



1035

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).

T1036

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5519. M5520 (BH) R:03/17/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

1037

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

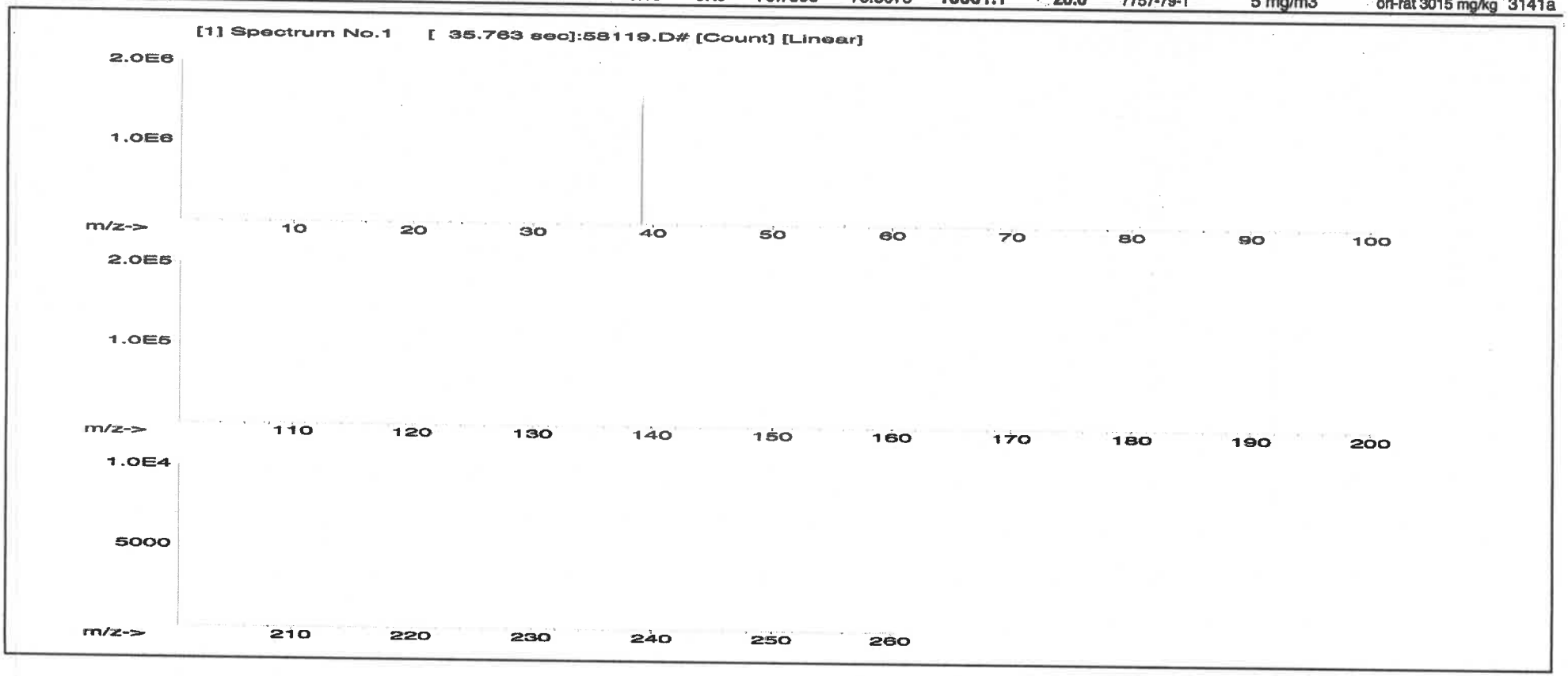
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

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



1038

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

Certified Reference Material CRM

M5658 R! 8/25/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

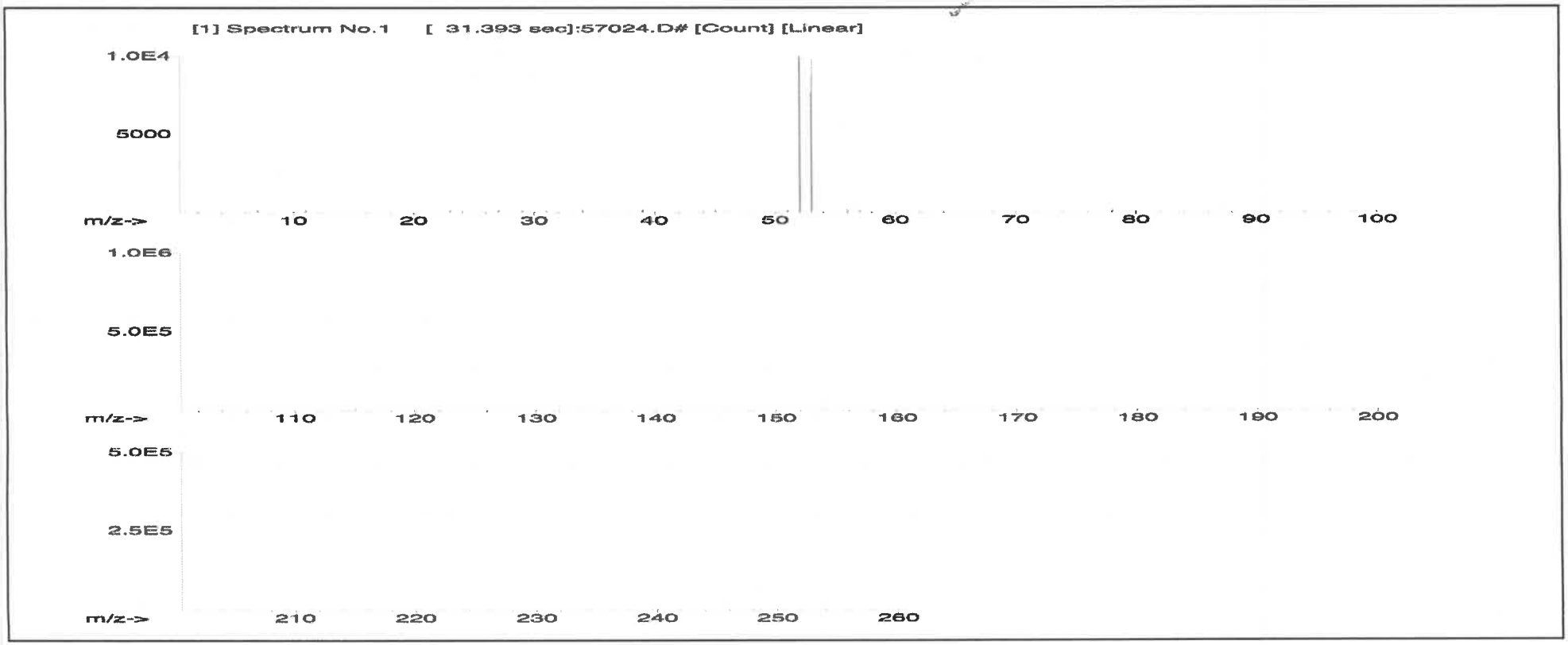
1039

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58024**	21110221	Nitric Acid	
Lot Number:	**060523**			
Description:	**Chromium (Cr)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	060526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	060523
Reviewed By:	Pedro L. Rentas	060523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Chromium(III) nitrate nonahydrate (Cr)	58124	071122	0.1000	200.0	0.084	1000	10000.1	**1000.0**	**2.2**	7789-02-8	0.5 mg(Cr)/m3	orl-rat 3250 mg/kg	3112a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	T	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5697 R: 10/27/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

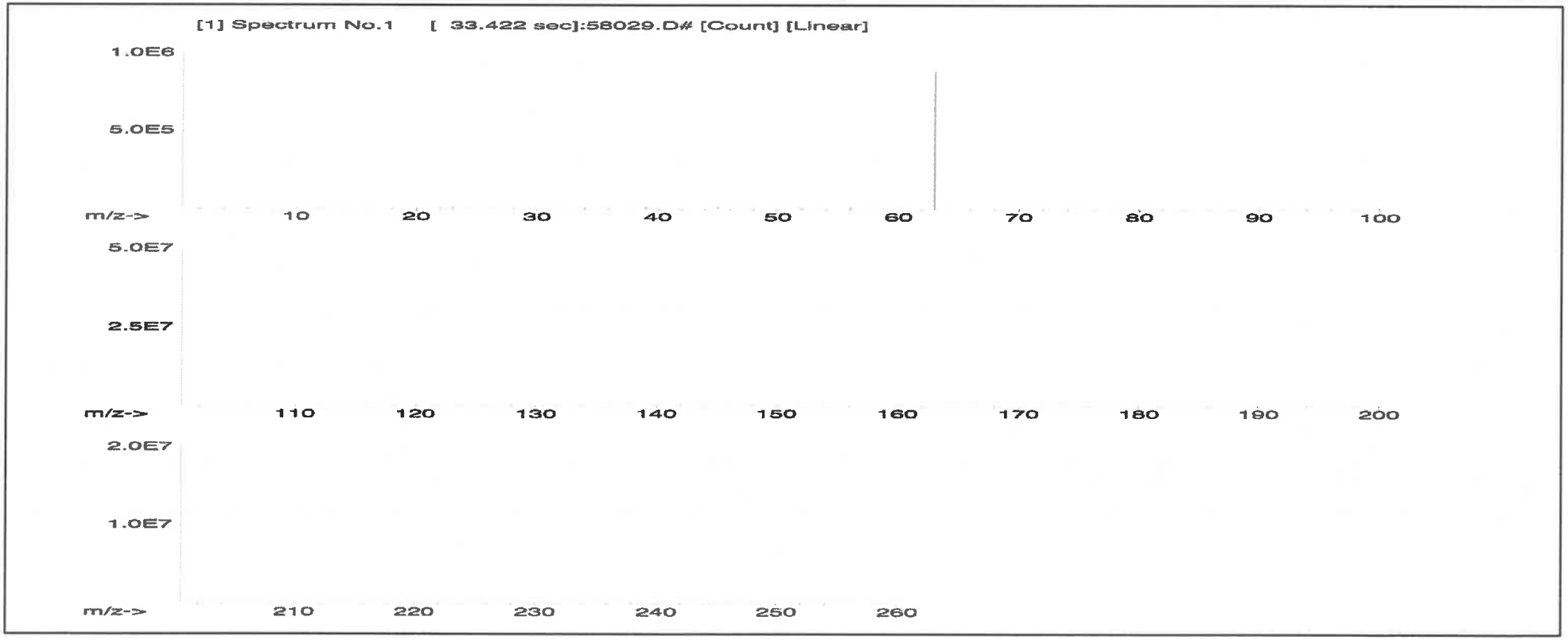
1041

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



1042

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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 8/25/23 M5751

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

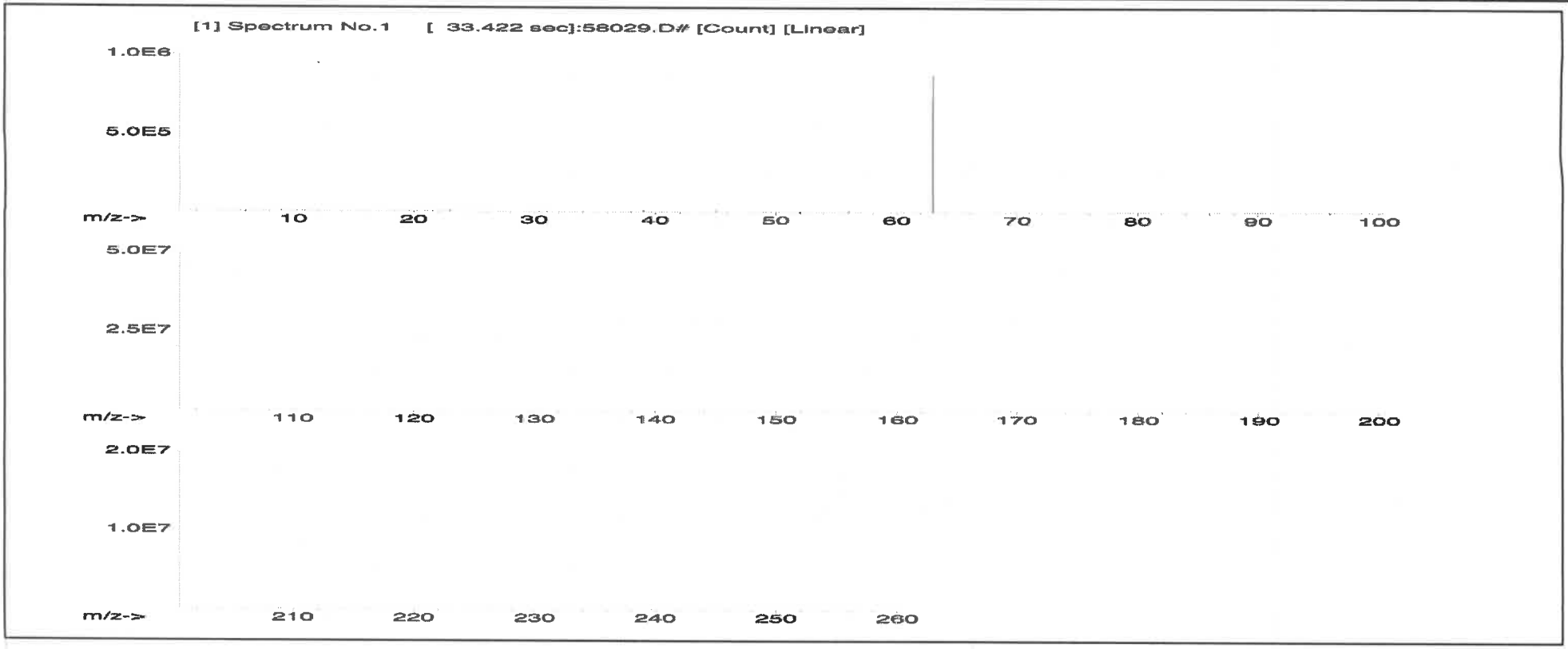
1043

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58029**	21110221	Nitric Acid	
Lot Number:	**071723**			
Description:	**Copper (Cu)**	2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	071726			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Benson Chan 071723
Reviewed By:	Pedro L. Rentas 071723

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Copper(II) nitrate trihydrate (Cu)	58129	022723	0.1000	200.0	0.084	1000	10000.5	**1000.0**	**2.2**	10031-43-3	1 mg/m3	orl-rat 794 mg/kg	3114



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	T	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* 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

M5768 M5769 (BP) R:1/3/24

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

1045

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	

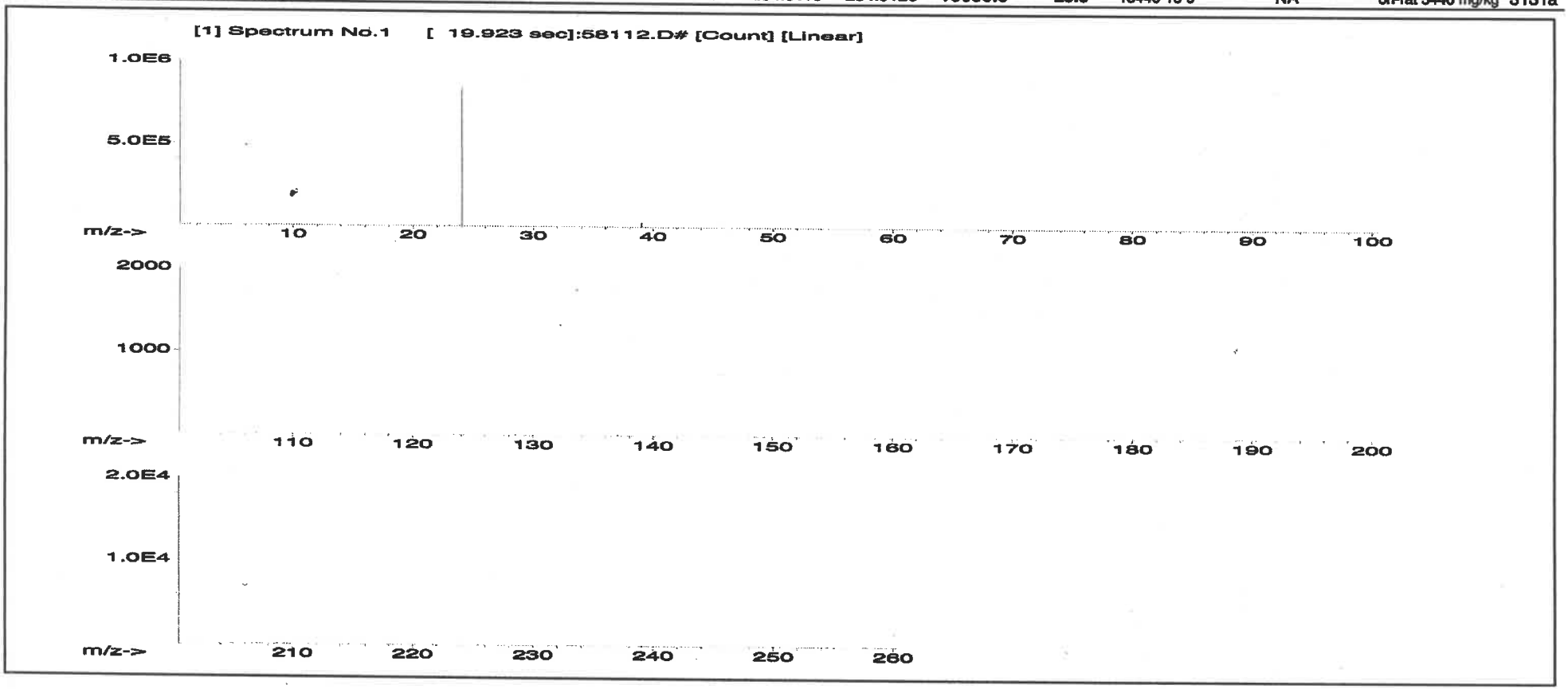
5E-05 Balance Uncertainty

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



10046

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* 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

R: 02/09/24 M5798

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

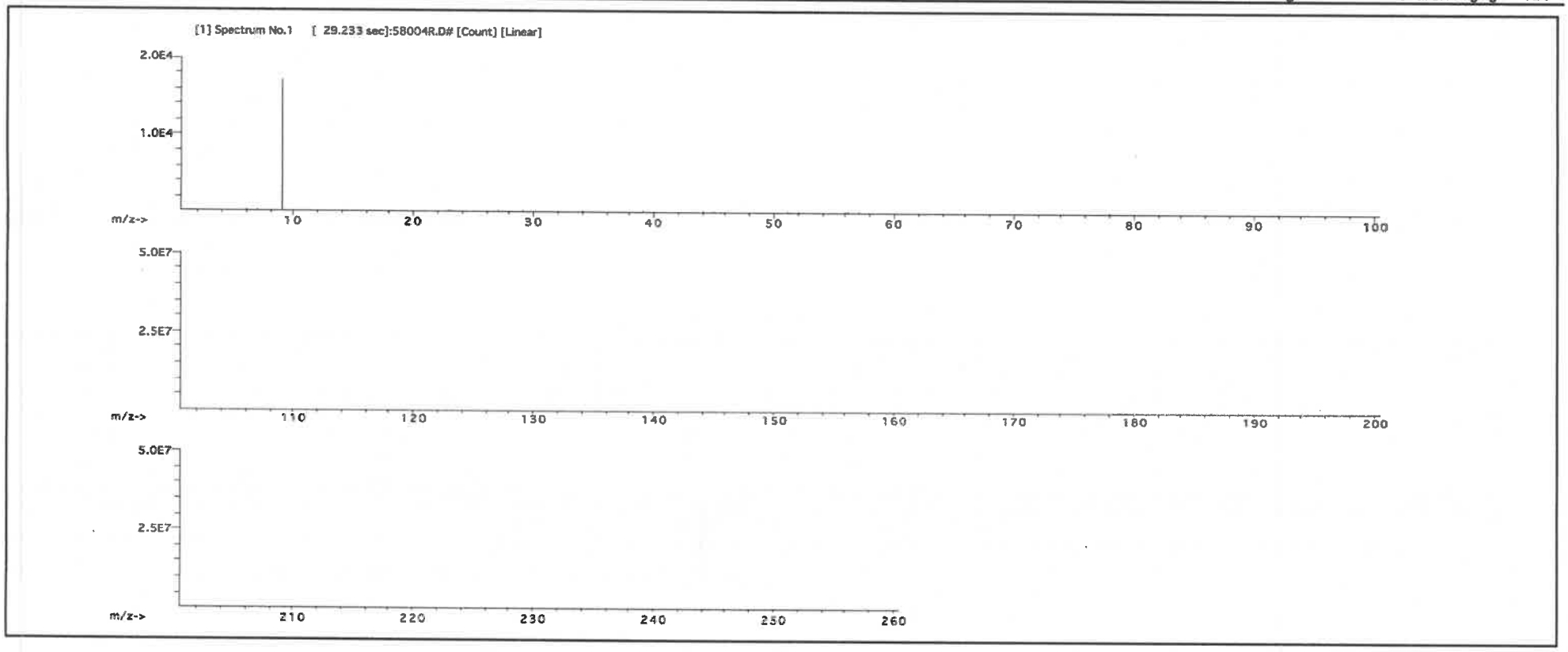
1047

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57004**	24002546	Nitric Acid		
Lot Number:	**102523**				
Description:	**Beryllium (Be)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	102526				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Benson Chan	102523
Reviewed By:	Pedro L. Rentas	102523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Beryllium nitrate (Be)	58104	091423	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13597-99-4	0.2ug/m3	intrvns-rat 3.16mg/kg	NA



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	T	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

1048

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R? 02/09/24 IV15799

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

1049

CERTIFIED WEIGHT REPORT:

Part Number: 57050
Lot Number: 071123
Description: Tin (Sn)

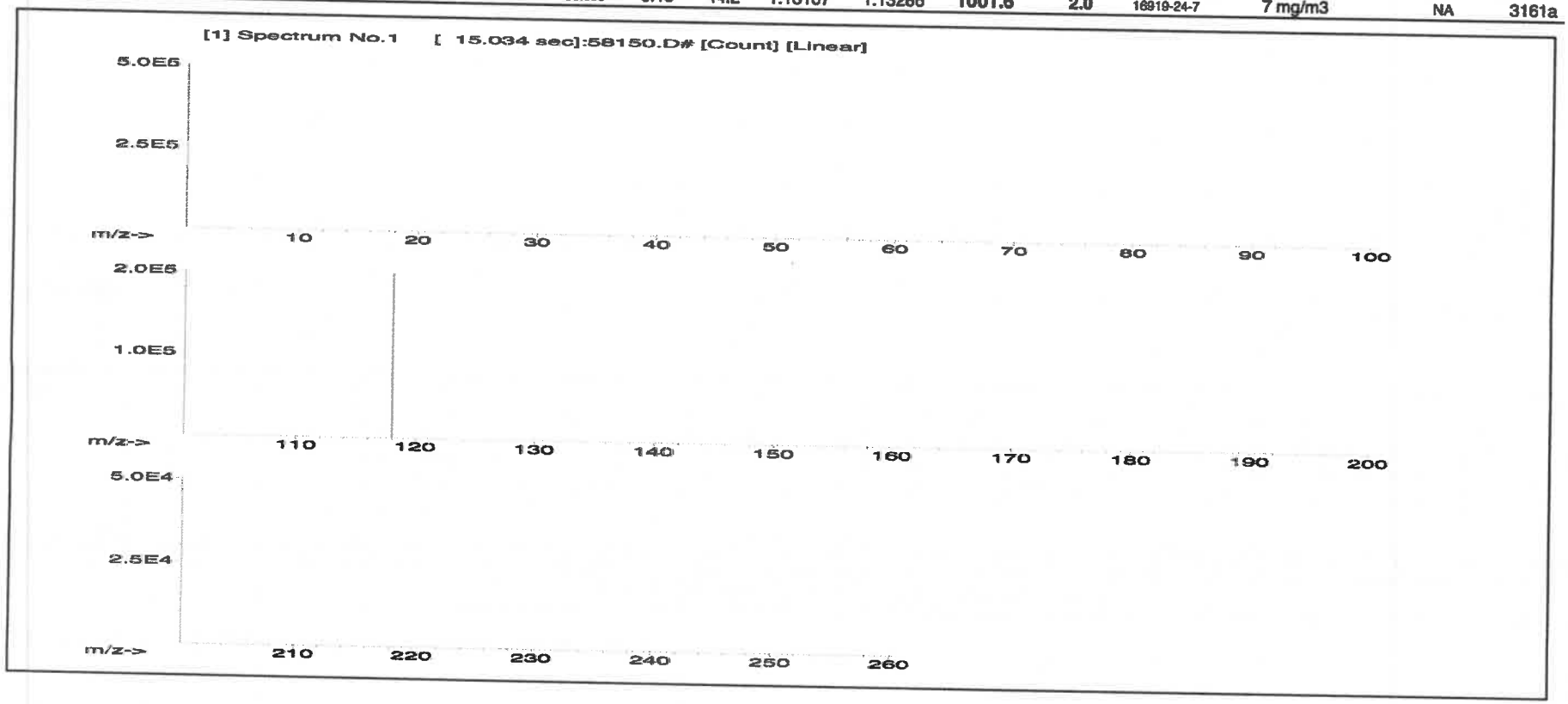
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93

	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



1050

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<500	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	T	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* 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

R: 02/09/24 IM5800 BH

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

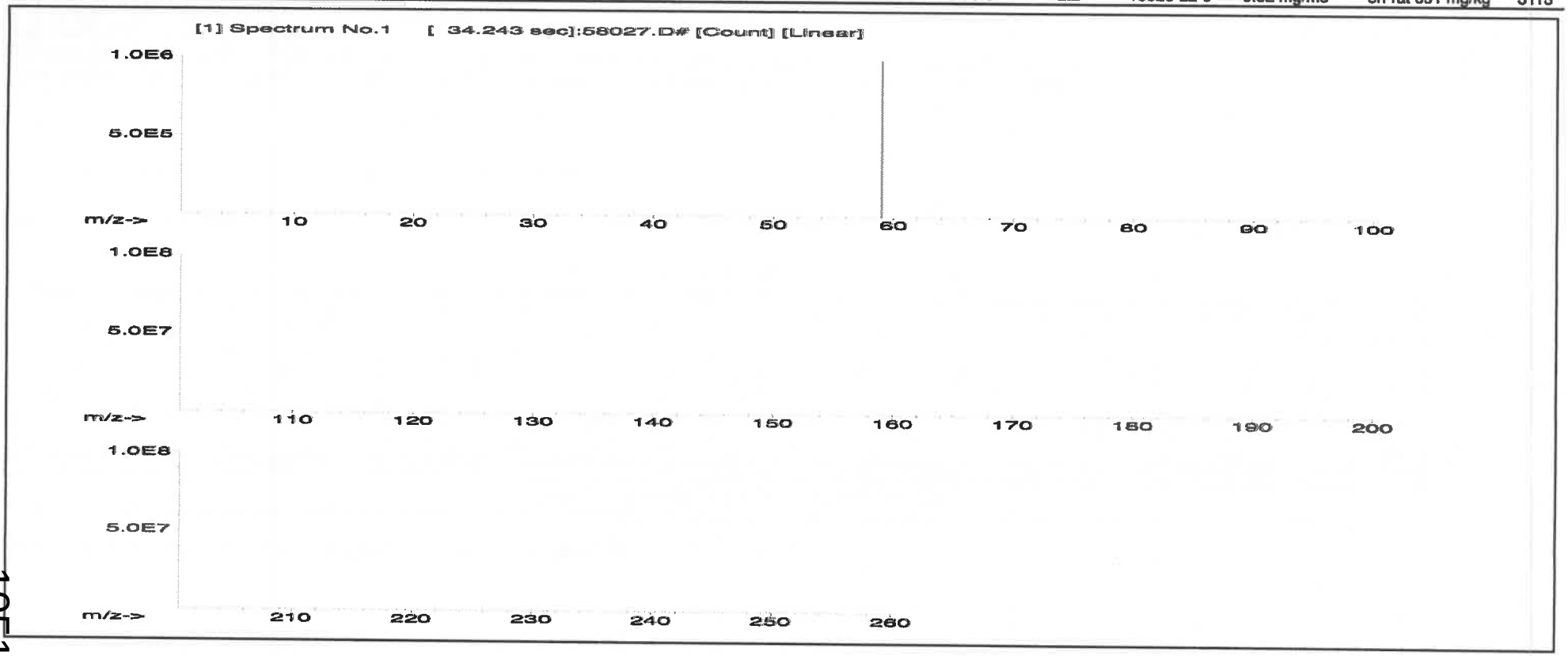
CERTIFIED WEIGHT REPORT:

		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



1051

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	T	Gé	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* 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).

1052

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 02/09/24 IM5801 BH

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

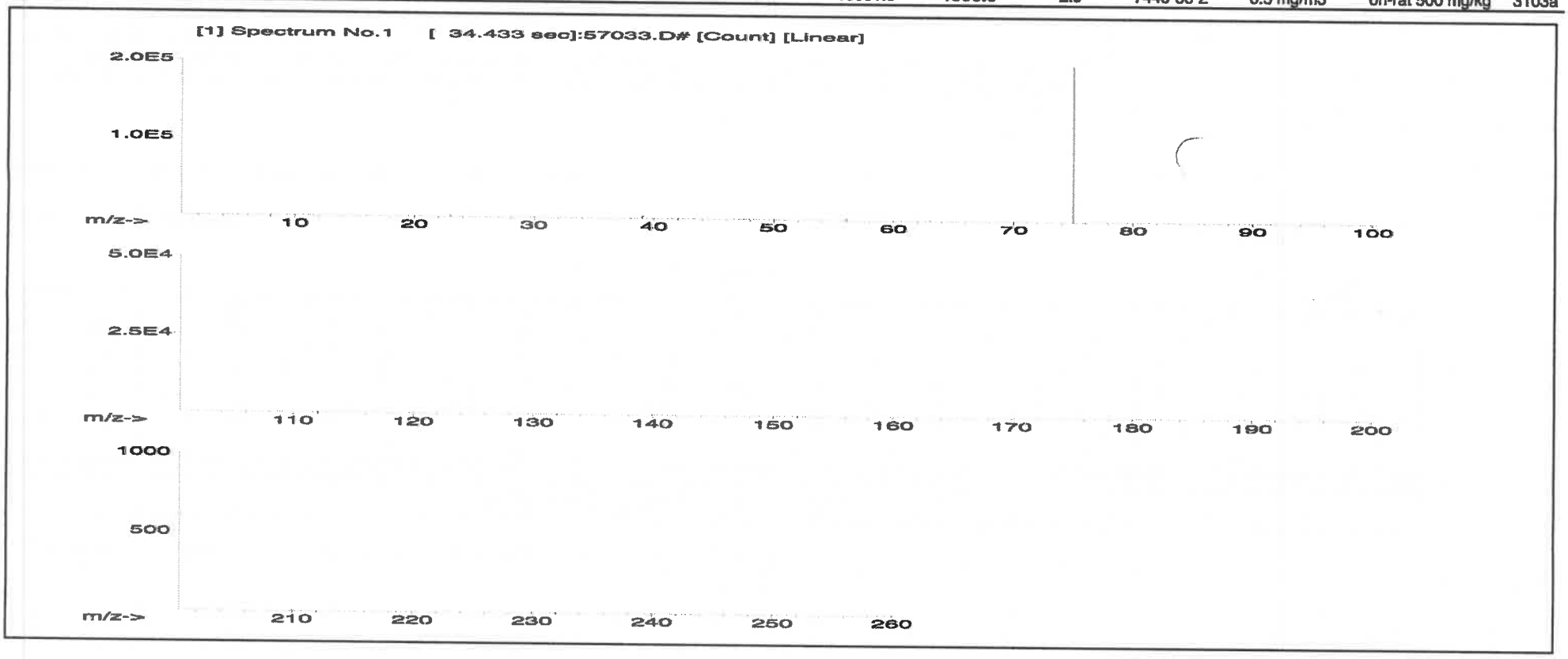
1053

CERTIFIED **WEIGHT** REPORT:

		Lot #	Solvent:		
Part Number:	**57033**	24002546	Nitric Acid		
Lot Number:	**111323**				
Description:	**Arsenic (As)**	2.0%	80.0 (mL)	Nitric Acid	
Expiration Date:	111326				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty		

Formulated By:	Lawrence Barry	111323
Reviewed By:	Pedro L. Rentas	111323

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Arsenic (As)	58133	020522	0.1000	400.0	0.084	1000	10001.0	**1000.0**	**2.0**	7440-38-2	0.5 mg/m3	orl-rat 500 mg/kg	3103a



1054

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.

* 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

R1 02/09/24. M58165

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

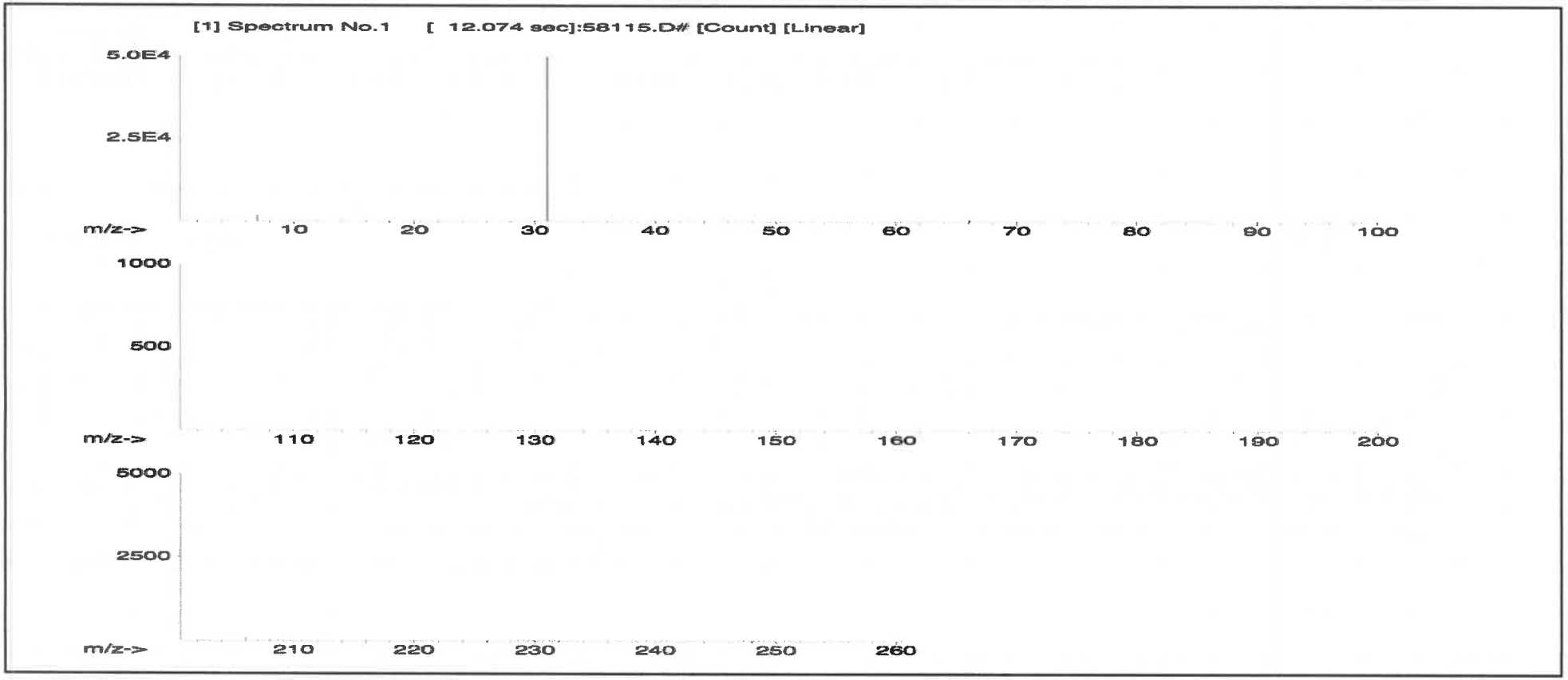
1055

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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 02/09/24 M5816

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

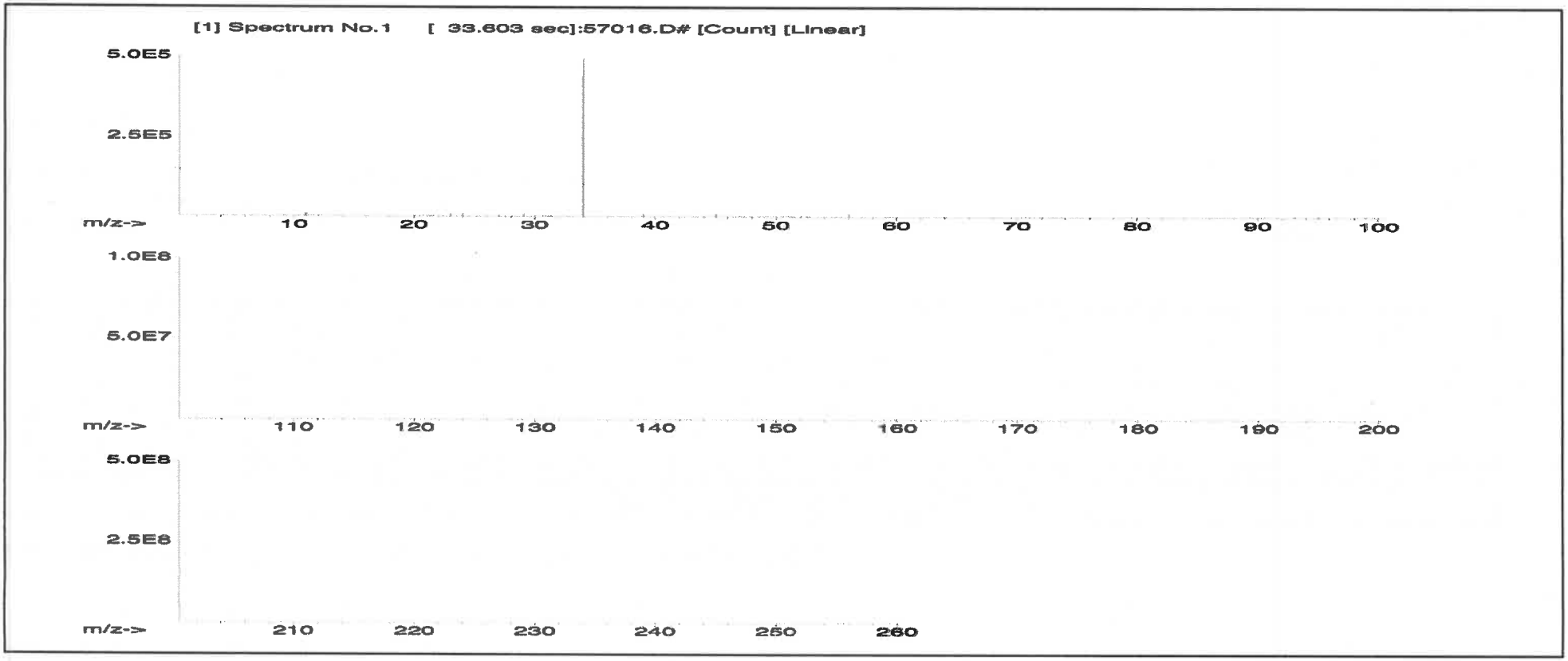
1057

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



1058

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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 02/09/24 M5817

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

1059

CERTIFIED WEIGHT REPORT:

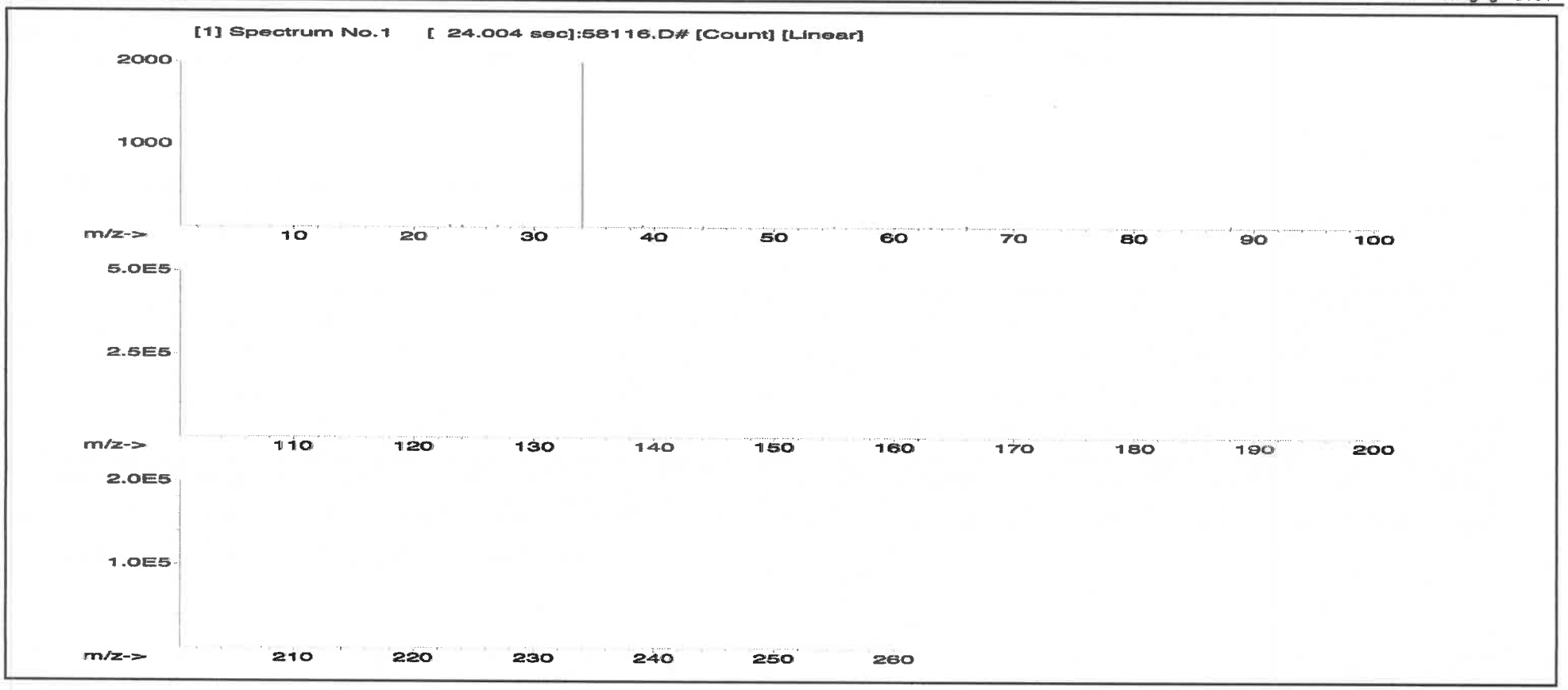
Part Number: 57116
Lot Number: 071123
Description: Sulfur (S)

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



1060

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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 02/09/24 M5819

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

1061

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

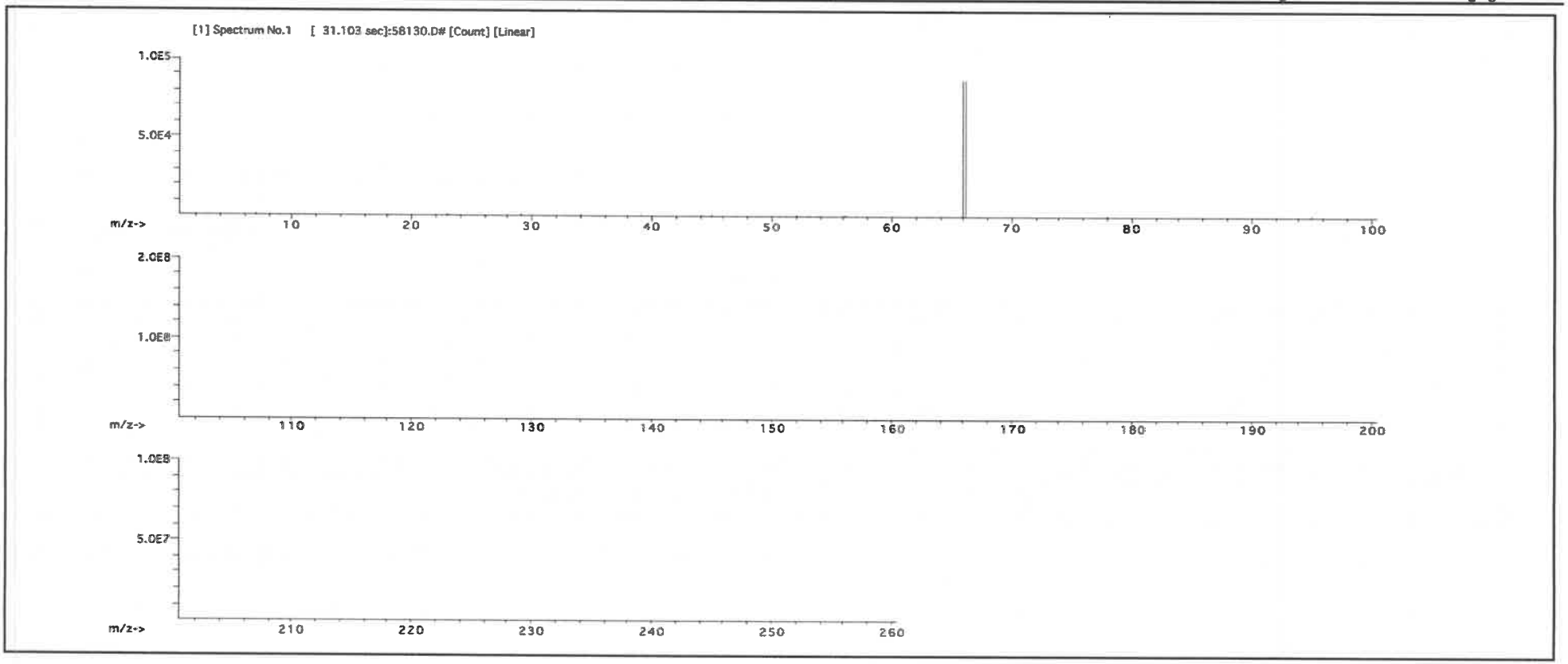
Weight shown below was diluted to (mL): 3000.4 0.06 Flask Uncertainty

		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



1062

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.
* 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

R: 02/09/24 M5820

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

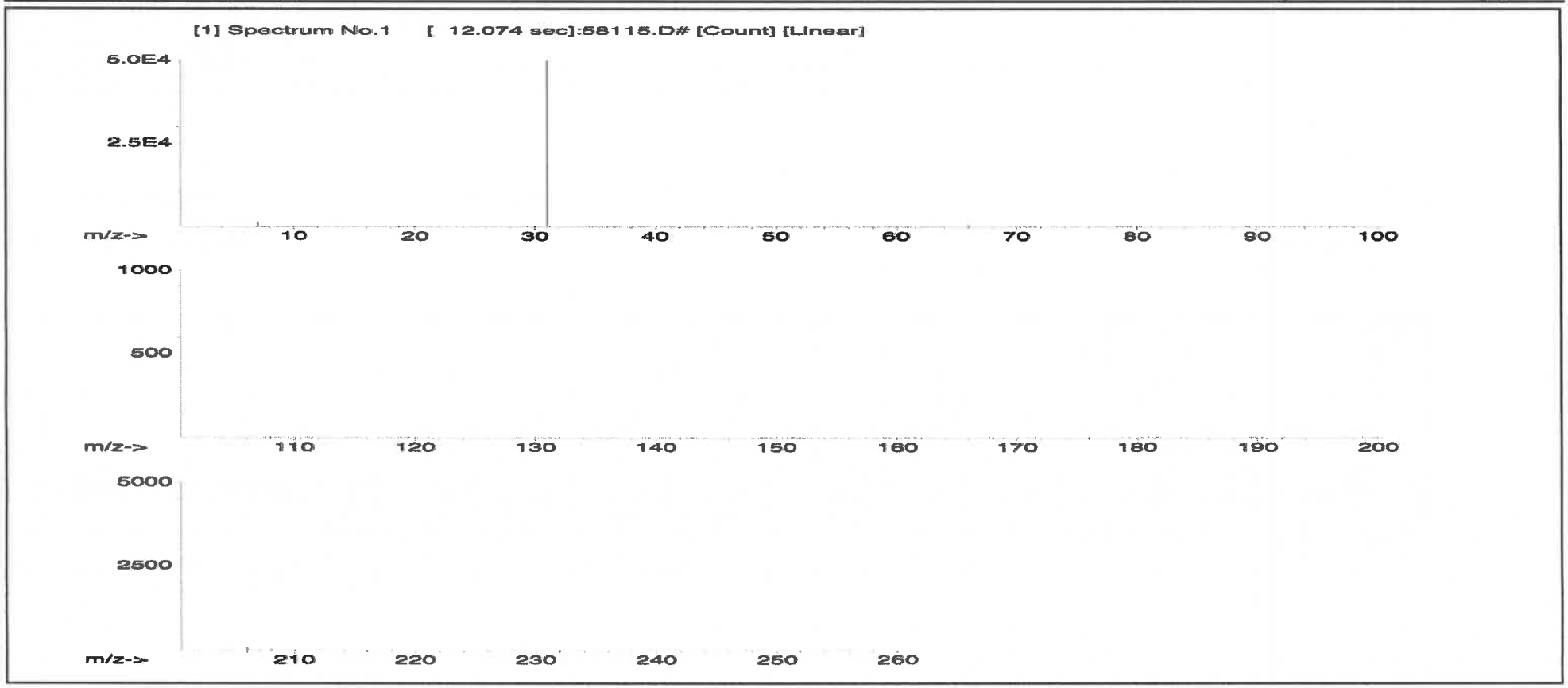
1063

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



1064

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.
* 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

R: 02/22/24 M5942

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:	Single Analyte Custom Grade Solution
Catalog Number:	CGTI1
Lot Number:	T2-TI719972
Matrix:	2% (v/v) HNO3 tr. HF
Value / Analyte(s):	1 000 µg/mL ea: Titanium
Starting Material:	Ti Metal
Starting Material Lot#:	2094
Starting Material Purity:	99.9975%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1002 ± 5 µg/mL

Density: 1.012 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **1002 ± 4 µg/mL**
ICP Assay NIST SRM 3162a Lot Number: 130925

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

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

M5960 KK R. 6/11/24

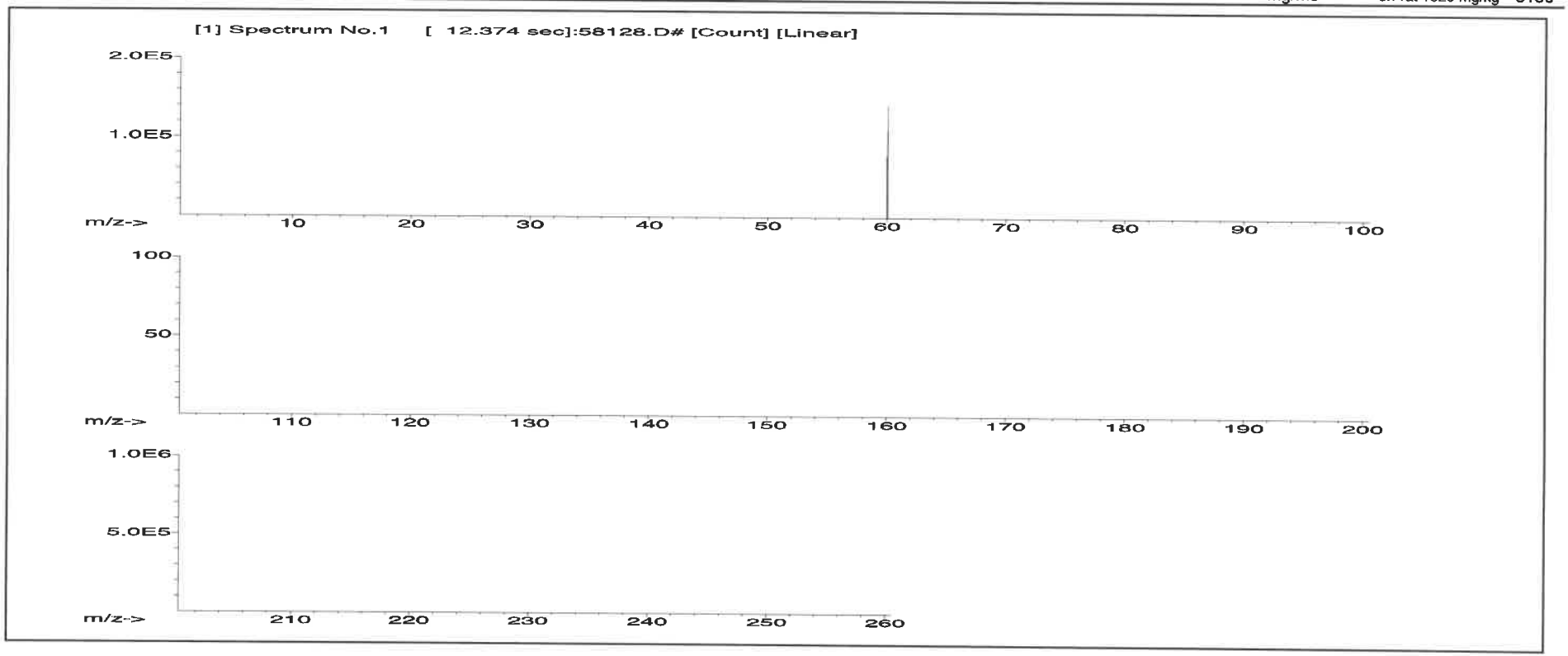
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number:	**57028**		**Lot #**		
Lot Number:	**041124**	**Solvent:**	24002546	Nitric Acid	
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



1069

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	T	Pr	<0.02	Sc	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

1070

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5961 R: 6/11/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

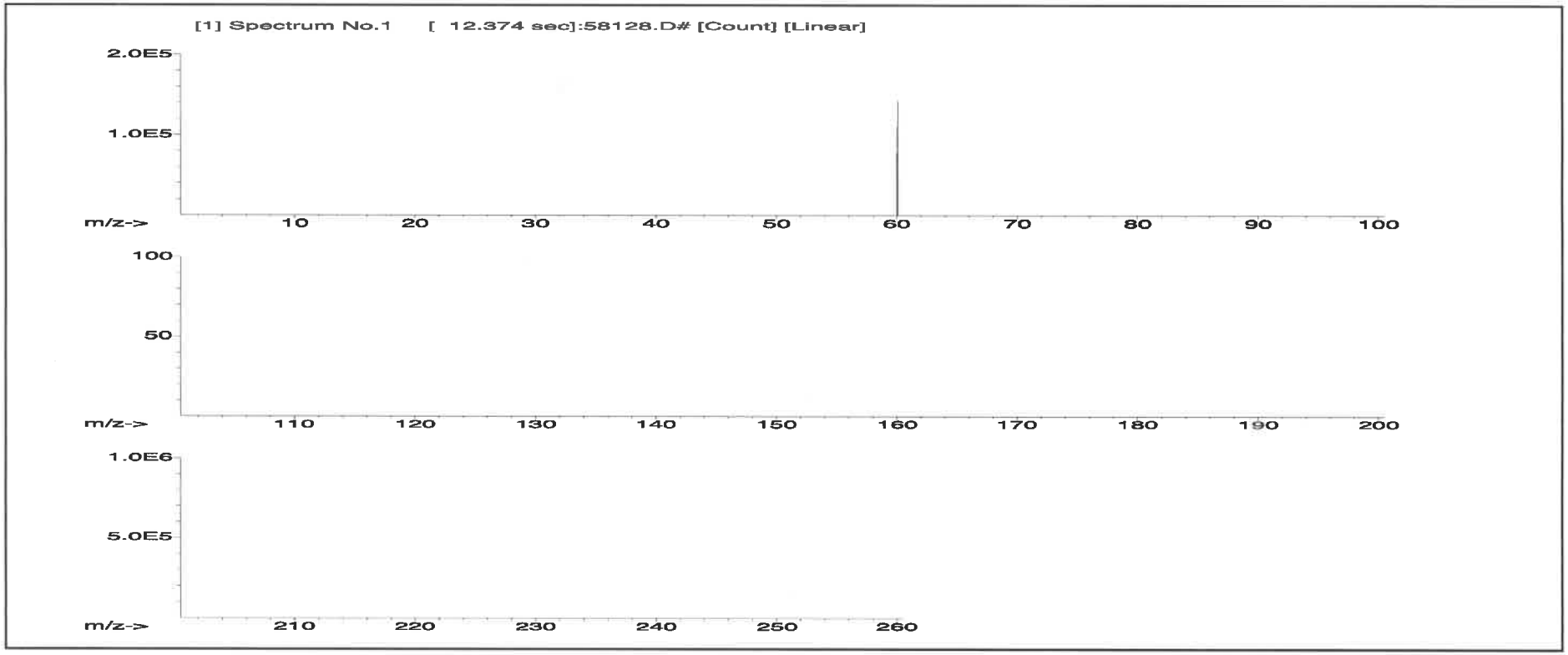
1071

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



1072

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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5962 R! 06/14/24.

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

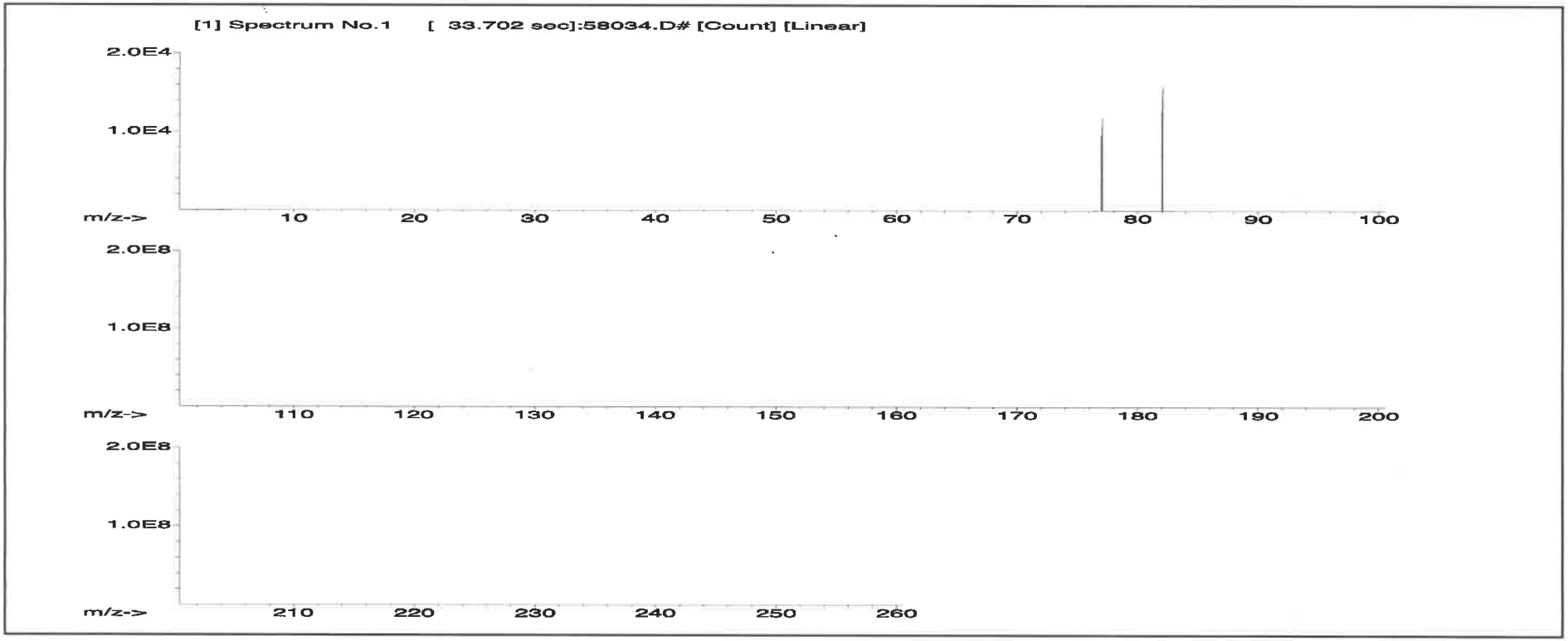
1073

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



1074

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).

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

M5976, M5977
R: 02/22/24

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:	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



INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

M5976, M5977
R: 02/22/24

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:	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



1083

M5978, M5979

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

R: 2/22/24

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:	Single Analyte Custom Grade Solution
Catalog Number:	CGTI1
Lot Number:	T2-TI719972
Matrix:	2% (v/v) HNO3 tr. HF
Value / Analyte(s):	1 000 µg/mL ea: Titanium
Starting Material:	Ti Metal
Starting Material Lot#:	2094
Starting Material Purity:	99.9975%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1002 ± 5 µg/mL

Density: 1.012 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **1002 ± 4 µg/mL**
ICP Assay NIST SRM 3162a Lot Number: 130925

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$
w_i = the weighting factors for each method calculated using the inverse square of the variance

$w_i = (1/u_{char\ i}^2) / (\Sigma(1/u_{char\ i}^2))$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = (\Sigma(w_i)^2\ (u_{char\ i})^2)^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty
u_{lts} = long term stability standard uncertainty (storage)
u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with
$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization
u_{bb} = bottle to bottle homogeneity standard uncertainty
u_{lts} = long term stability standard uncertainty (storage)
u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000536	M	Eu	<	0.000268	O	Na	<	0.032670	M	Se		0.001204	O	Zn	<	0.003267
O	Al		0.000872	O	Fe		0.003225	O	Nb	<	0.043560	O	Si		0.004735	O	Zr	<	0.043560
M	As	<	0.008586	M	Ga	<	0.000268	M	Nd	<	0.000268	M	Sm	<	0.000268				
M	Au	<	0.004577	M	Gd	<	0.000268	O	Ni	<	0.010890	M	Sn		0.000096				
O	B	<	0.008929	M	Ge	<	0.002146	M	Os	<	0.000269	O	Sr		0.000096				
M	Ba	<	0.002683	M	Hf		0.002161	O	P	<	0.054450	M	Ta		0.010560				
M	Be	<	0.005366	M	Hg	<	0.003231	M	Pb	<	0.001073	M	Tb	<	0.000268				
M	Bi	<	0.001609	M	Ho	<	0.000268	M	Pd	<	0.000268	M	Te	<	0.001341				
O	Ca		0.000676	M	In	<	0.002683	M	Pr	<	0.000268	M	Th	<	0.053663				
M	Cd	<	0.000268	M	Ir	<	0.000269	M	Pt	<	0.000536	s	Ti	<					
M	Ce	<	0.000268	M	K		0.001172	M	Rb	<	0.000268	M	Tl	<	0.000268				
M	Co	<	0.004293	M	La	<	0.000268	M	Re	<	0.000268	M	Tm	<	0.000268				
M	Cr		0.000752	O	Li	<	0.027225	M	Rh	<	0.000268	M	U	<	0.000268				
M	Cs	<	0.000268	M	Lu	<	0.000268	M	Ru	<	0.000269	M	V	<	0.019855				
O	Cu	<	0.010890	O	Mg	<	0.005445	i	S	<		M	W		0.000473				
M	Dy	<	0.000268	O	Mn	<	0.003267	M	Sb	<	0.006976	M	Y	<	0.002146				
M	Er	<	0.000268	M	Mo		0.000774	O	Sc	<	0.004900	M	Yb	<	0.000536				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 47.87 +4 6 Ti(F)6-2

Chemical Compatibility - Soluble in concentrated HCl, HF, H3PO4 H2SO4 and HNO3. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths or high levels of transition elements unless they are fluorinated). Stable with most inorganic anions with a tendency to hydrolyze forming the hydrated oxide in all dilute acids except HF.

Stability - 2-100 ppb levels stable (Alone or mixed with all other metals) as the Ti(F)6-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the Ti(F)6-2 chemically stable for years in 2-5% HNO3 / trace HF in an LDPE container.

Ti Containing Samples (Preparation and Solution) - Metal (Soluble in H2O / HF caution -powder reacts violently); Oxide - low temperature history anatase or rutile (Dissolved by heating in 1:1:1 H2O / HF / H2SO4); Oxide - high temperature history (~800EC) brookite (fuse in Pt0 with K2S2O7); Ores (fuse in Pt0 with KF + K2S2O7 - no KF if silica not present); Organic Matrices (Dry ash at 450EC in Pt0 and dissolve by heating with 1:1:1 H2O / HF / H2SO4 or fuse ash with pyrosulfate if oxide is as plastic pigment and likely in brookite crystalline form).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 48 amu	14 ppt	N/A	32S16O, 32S14N, 14N16O18O, 14N17N2, 36Ar12C, 48Ca, [96X=2 (where X = Zr, Mo, Ru)]
ICP-OES 323.452 nm	0.0054 / 0.00092 µg/mL	1	Ce, Ar, Ni
ICP-OES 334.941 nm	0.0038 / 0.000028 µg/mL	1	Nb, Ta, Cr, U
ICP-OES 336.121 nm	0.0053 / 0.000034 µg/mL	1	W, Mo, Co

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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

H5981 R:6/11/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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		

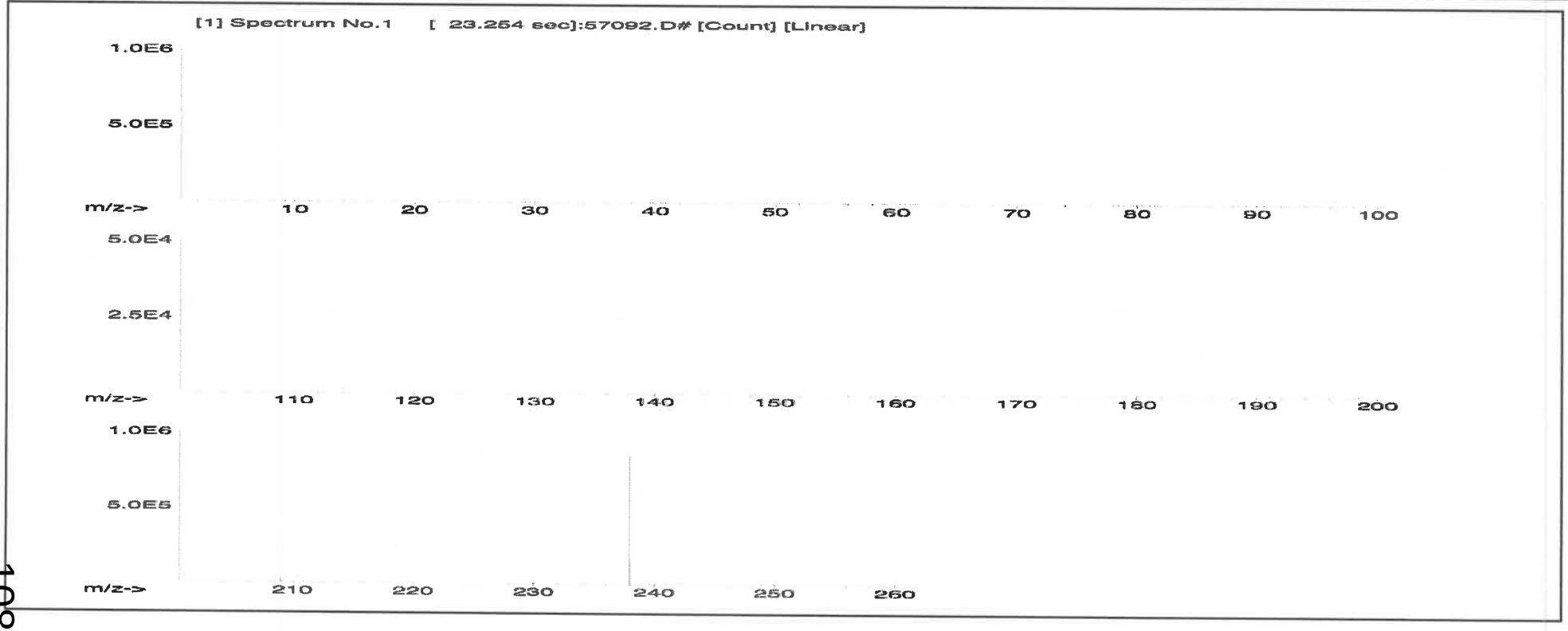
Giovanni Esposito

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



1087

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).

1088

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5983 R: 6/11/24

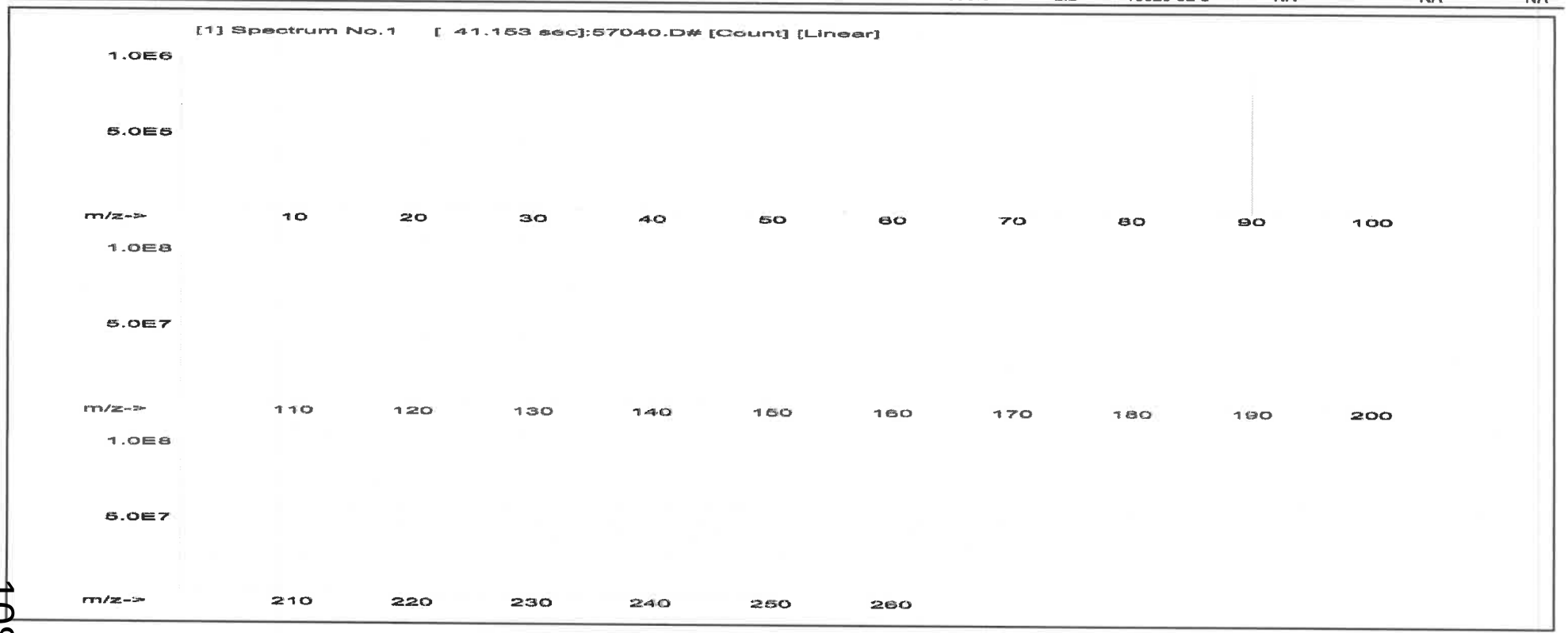
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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



1089

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:

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).

1090

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

R: 2/22/2024
M5999

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-SPK-1
Lot Number:	T2-MEB721963
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	2 000 µg/mL ea: Aluminum, Barium, 1 000 µg/mL ea: Iron, 500 µg/mL ea: Manganese, Nickel, Vanadium, Zinc, Cobalt, 250 µg/mL ea: Copper, 200 µg/mL ea: Chromium, 50 µg/mL ea: Beryllium, Silver

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	2 000 ± 7 µg/mL	Barium, Ba	2 000 ± 9 µg/mL
Beryllium, Be	50.00 ± 0.26 µg/mL	Chromium, Cr	200.0 ± 1.1 µg/mL
Cobalt, Co	500.0 ± 2.4 µg/mL	Copper, Cu	250.0 ± 1.0 µg/mL
Iron, Fe	1 000 ± 4 µg/mL	Manganese, Mn	500.0 ± 2.0 µg/mL
Nickel, Ni	500.0 ± 2.2 µg/mL	Silver, Ag	50.00 ± 0.22 µg/mL
Vanadium, V	500.0 ± 2.2 µg/mL	Zinc, Zn	500.0 ± 2.2 µg/mL

Density: 1.070 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
V	IC Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)\,(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information.

https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 27, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 27, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Received — 08/01/2024
paper
M6039
M6040

Material No.: 9530-33
Batch No.: 24D1562005
Manufactured Date: 2024-03-18
Retest Date: 2029-03-17
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6 %
ACS - Color (APHA)	≤ 10	5
ACS - Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.192
ACS - Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS - Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS - Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities - Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities - Aluminum (Al)	≤ 10.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities - Barium (Ba)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 20.0 ppb	2.2 ppb
Trace Impurities - Cadmium (Cd)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	31.0 ppb
Trace Impurities - Chromium (Cr)	≤ 1.0 ppb	0.5 ppb
Trace Impurities - Cobalt (Co)	≤ 1.0 ppb	0.2 ppb
Trace Impurities - Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities - Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities - Gold (Au)	≤ 4.0 ppb	< 0.2 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities - Iron (Fe)	≤ 15 ppb	3 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

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

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

R 8/19/24, M60055

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-STOCK-12
Lot Number:	U2-MEB734294
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	10 µg/mL ea:

Barium, Beryllium,
Bismuth, Cerium,
Cobalt, Indium,
Lithium, Nickel,
Lead, Uranium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Barium, Ba	10.01 ± 0.04 µg/mL	Beryllium, Be	10.01 ± 0.05 µg/mL
Bismuth, Bi	10.01 ± 0.06 µg/mL	Cerium, Ce	10.01 ± 0.04 µg/mL
Cobalt, Co	10.01 ± 0.05 µg/mL	Indium, In	10.01 ± 0.04 µg/mL
Lead, Pb	10.00 ± 0.04 µg/mL	Lithium, Li	10.01 ± 0.04 µg/mL
Nickel, Ni	10.01 ± 0.04 µg/mL	Uranium, U	10.01 ± 0.05 µg/mL

Density: 1.025 g/mL (measured at 20 ± 4 °C)

Assay Information:

1098

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



Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

R → 10/13/24
Met dig

M 6121

Material No.: 9530-33
Batch No.: 0000275677
Manufactured Date: 2020/12/16
Retest Date: 2025/12/15
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.190
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	1
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	< 0.5
Phosphate (PO_4)	<= 0.05 ppm	< 0.03
Sulfate (SO_4)	<= 0.5 ppm	< 0.3
Sulfite (SO_3)	<= 0.8 ppm	0.3
Ammonium (NH_4)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	< 0.2
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	29.7
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

1102

Material No.: 9530-33
Batch No.: 0000275677

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities - Iron (Fe)	<= 15.0 ppb	<1
Trace Impurities - Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 1.0 ppb	0.2
Trace Impurities - Magnesium (Mg)	<= 10.0 ppb	0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	0.1
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities - Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities - Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities - Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 1.0 ppb	0.2
Trace Impurities - Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities - Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

1103

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

R -> 11/12/24

M6126

Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 - 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities - Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	2.3 ppb
Trace Impurities - Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	100 ppb
Trace Impurities - Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

1106

CERTIFIED WEIGHT REPORT:

R → 1/13/25

M 6127

			Lot #	
Part Number:	**58112**	**Solvent:**	24012496	Nitric Acid
Lot Number:	**112124**			
Description:	**Magnesium (Mg)**	2%	40.0 (mL)	Nitric Acid
Expiration Date:	112127			
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):	2000.07	0.100	Flask Uncertainty	

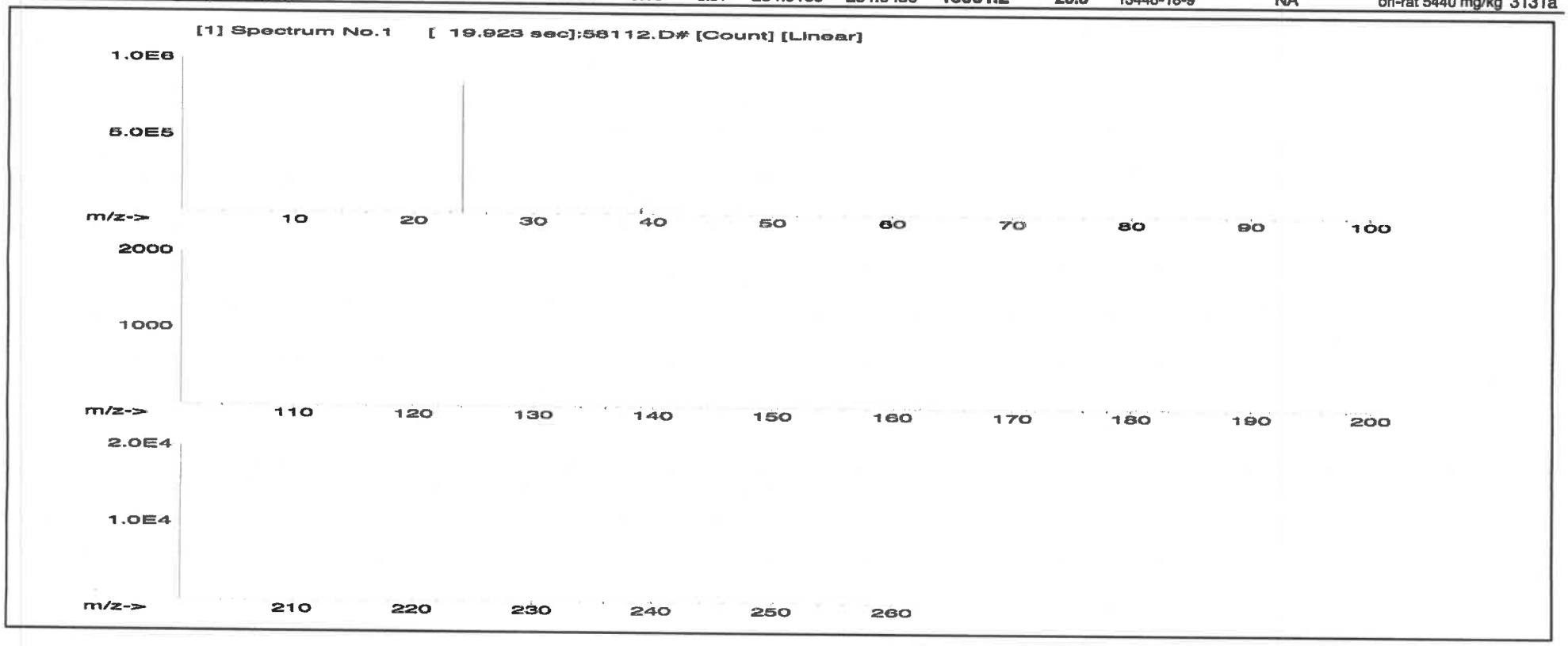
Giovanni Esposito

Formulated By:	Giovanni Esposito	112124

Pedro Rentas

Reviewed By:	Pedro L. Rentas	112124

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	234.9183	234.9459	**10001.2**	**20.0**	13446-18-9	NA	orl-rat 5440 mg/kg	3131a



1107

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

1108

CERTIFIED WEIGHT REPORT:

R->1/13/25

M6128

Part Number:	**58025**	**Solvent:**	**Lot #** 24002546	Nitric Acid
Lot Number:	**101124**			
Description:	**Manganese (Mn)**	2%	80.0 (mL)	Nitric Acid
Expiration Date:	101127			
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):	4000.2	0.10	Flask Uncertainty	

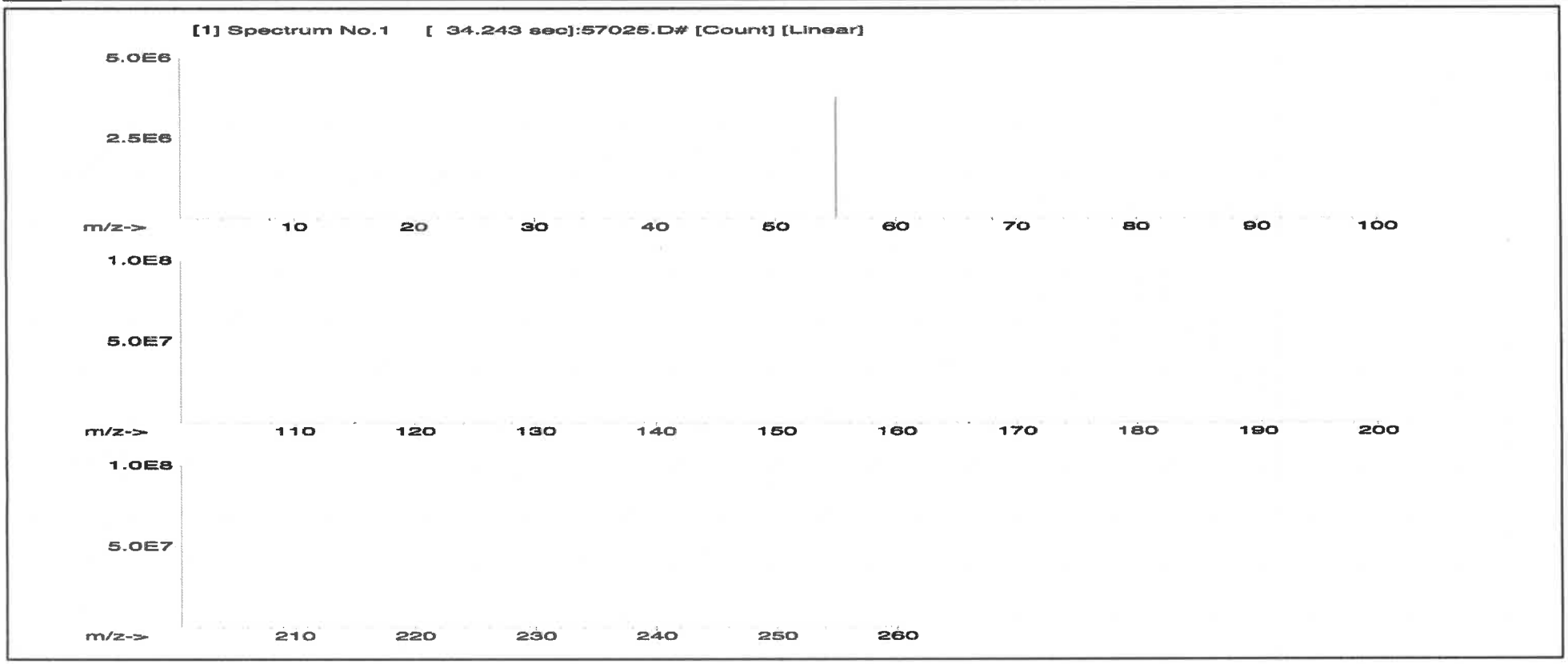
Giovanni Esposito

Formulated By:	Giovanni Esposito	101124

Pedro Rentas

Reviewed By:	Pedro L. Rentas	101124

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. Manganese(II) nitrate hydrate (Mn)	IN031	MNM092020A1	1000	99.999	0.10	20.8	19.2322	19.2344	**1000.1**	**2.0**	15710-66-4	5 mg/m3	orl-rat >300mg/kg	3132



1109

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 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

R: 01/03/24 M5806, M5807

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

1110

CERTIFIED WEIGHT REPORT:

Part Number: 58111
Lot Number: 122223
Description: Sodium (Na)

Expiration Date: 122226
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:	24002546	Nitric Acid
2%	60.0 (mL)	Nitric Acid

5E-05 Balance Uncertainty

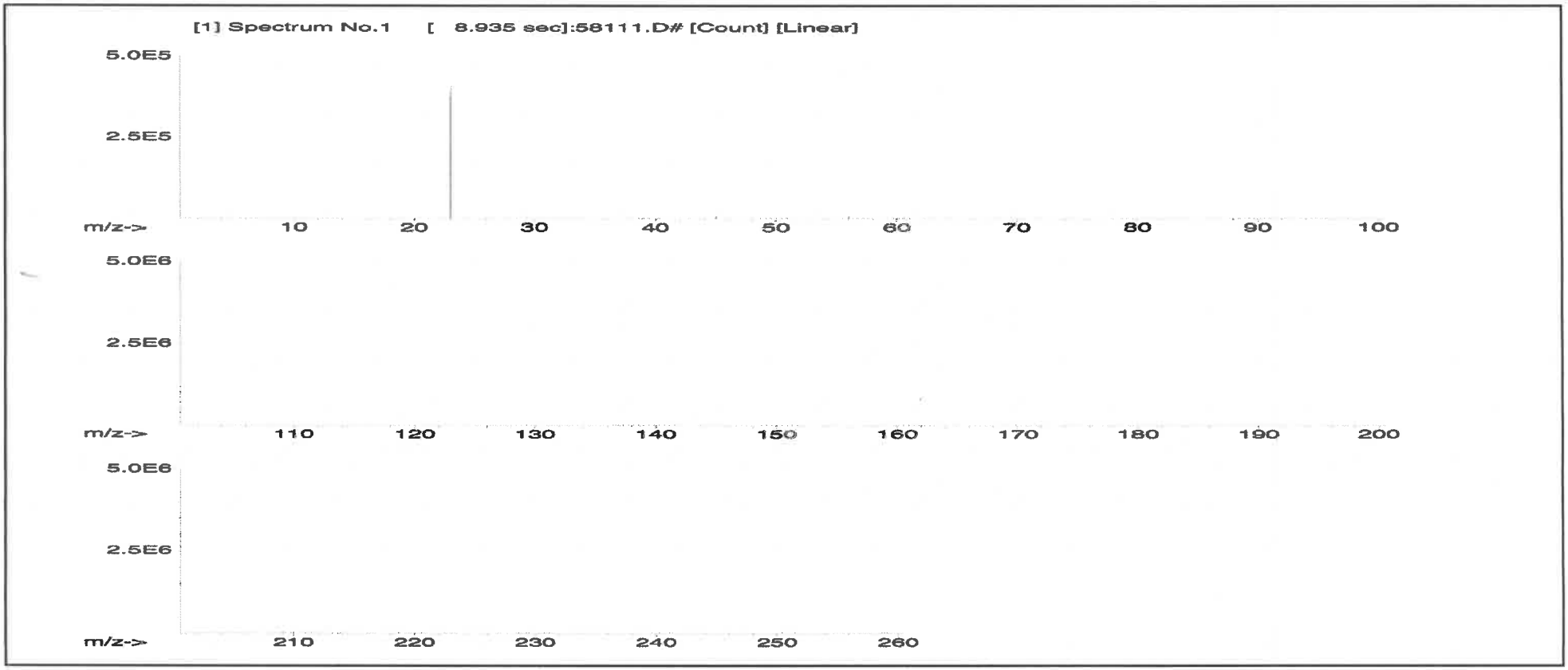
Aleah O'Brady

Formulated By: Aleah O'Brady 122223

Pedro Rentas

Reviewed By: Pedro L. Rentas 122223

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Sodium nitrate (Na)	IN036	NAV012015I1	10000	99.999	0.10	26.9	111.5406	111.5479	**10000.7**	**20.0**	7631-99-4	5 mg/m3	orl-rat 3430 mg/kg	3152a



11111

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	T	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

INORGANIC VENTURES

Refine your results. Redefine your industry.

A: 4/11/22

Certificate of Analysis

M5738, M5739, M5740, M5741, M5742, M5743

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	6020ISS
Lot Number:	S2-MEB709511
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	10 µg/mL ea:

Bismuth, Holmium,
Indium, 6-Lithium,
Rhodium, Scandium,
Terbium, Yttrium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
6-Lithium, Li6	10.00 ± 0.03 µg/mL	Bismuth, Bi	10.00 ± 0.05 µg/mL
Holmium, Ho	10.00 ± 0.05 µg/mL	Indium, In	10.00 ± 0.04 µg/mL
Rhodium, Rh	10.00 ± 0.07 µg/mL	Scandium, Sc	10.00 ± 0.04 µg/mL
Terbium, Tb	10.00 ± 0.04 µg/mL	Yttrium, Y	10.00 ± 0.04 µg/mL

Density: 1.035 g/mL (measured at 20 ± 4 °C)

Assay Information:

1112

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Bi	ICP Assay	3106	180815
Bi	Calculated		See Sec. 4.2
Ho	ICP Assay	3123a	090408
Ho	EDTA	928	928
In	ICP Assay	3124a	110516
In	EDTA	928	928
In	Calculated		See Sec. 4.2
Li6	Gravimetric		See Sec. 4.2
Rh	ICP Assay	3144	070619
Sc	ICP Assay	3148a	100701
Sc	EDTA	928	928
Tb	ICP Assay	3157a	100518
Tb	EDTA	928	928
Tb	Calculated		See Sec. 4.2
Y	ICP Assay	3167a	120314
Y	EDTA	928	928
Y	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Lithium Li6	95.6 ± 0.3
Lithium Li7	4.4 ± 0.1

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

September 03, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- September 03, 2026

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of an Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix**. For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, return the chain of custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

This interference check sample set is to be used to verify elemental isobaric correction factors of inductively coupled plasma-mass spectrometers (ICP-MS). This reference material set consists of two (2) concentrated solutions. The ICSA solution contains several interferent elements and species; for a complete listing refer to the CLP SOW. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for the ICP-MS ICS Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

ICSA-0803, Inferferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution by ICP-MS.

ICSB-0803, Analytes, mixed with ICSA-0803, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this ICSAB solution by ICP-MS.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803

ICSA: M5873

ICSB: M5874

Element	CRQL	Part A (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)	Part A +Part B (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)
Al	20.0	[100000]			[100000]		
Sb	2.0	(1.5)	-2.5	5.5	(22.0)	18.0	26.0
As	1.0	(0.1)	-1.9	2.1	19.0	16.2	21.9
Ba	10.0	(1.2)	-18.8	21.2	(22.0)	2.0	42.0
Be	1.0	(0)	-2.0	2.0	19.0	16.2	21.9
Cd	1.0	(0.7)	-1.3	2.7	20.0	17.0	23.0
Ca	500	[100000]			[100000]		
C		[200000]			[200000]		
Cl		[1000000]			[1000000]		
Cr	2.0	(21.0)	17.0	25.0	40.0	34.0	46.0
Co	1.0	(1.0)	-1.0	3.0	20.0	17.0	23.0
Cu	2.0	(8.0)	4.0	12.0	(25.0)	21.0	29.0
Fe	200	[100000]			[100000]		
Pb	1.0	(4.0)	2.0	6.0	25.0	21.3	28.8
Mg	500	[100000]			[100000]		
Mn	1.0	(7.0)	5.0	9.0	27.0	23.0	31.1
Mo		[2000]			[2000]		
Ni	1.0	(6.0)	4.0	8.0	24.0	20.4	27.6
P		[100000]			[100000]		
K	500	[100000]			[100000]		
Se	5.0	(0.3)	-9.7	10.3	(19.0)	9.0	29.0
Ag	1.0	(0)	-2.0	2.0	18.0	15.3	20.7
Na	500	[100000]			[100000]		
S		[100000]			[100000]		
Tl	1.0	(0)	-2.0	2.0	21.0	17.9	24.2
Ti		[2000]			[2000]		
V	5.0	(0.5)	-9.5	10.5	(19.0)	9.0	29.0
Zn	5.0	(11.0)	1.0	21.0	(29.0)	19.0	39.0

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.
The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of an Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix**. For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, return the chain of custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

This interference check sample set is to be used to verify elemental isobaric correction factors of inductively coupled plasma-mass spectrometers (ICP-MS). This reference material set consists of two (2) concentrated solutions. The ICSA solution contains several interferent elements and species; for a complete listing refer to the CLP SOW. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for the ICP-MS ICS Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

ICSA-0803, Inferferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution by ICP-MS.

ICSB-0803, Analytes, mixed with ICSA-0803, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this ICSAB solution by ICP-MS.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803

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)
ICSA: M5873							ICSB: M5874
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.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

R: 01/03/24 M5802, M5803

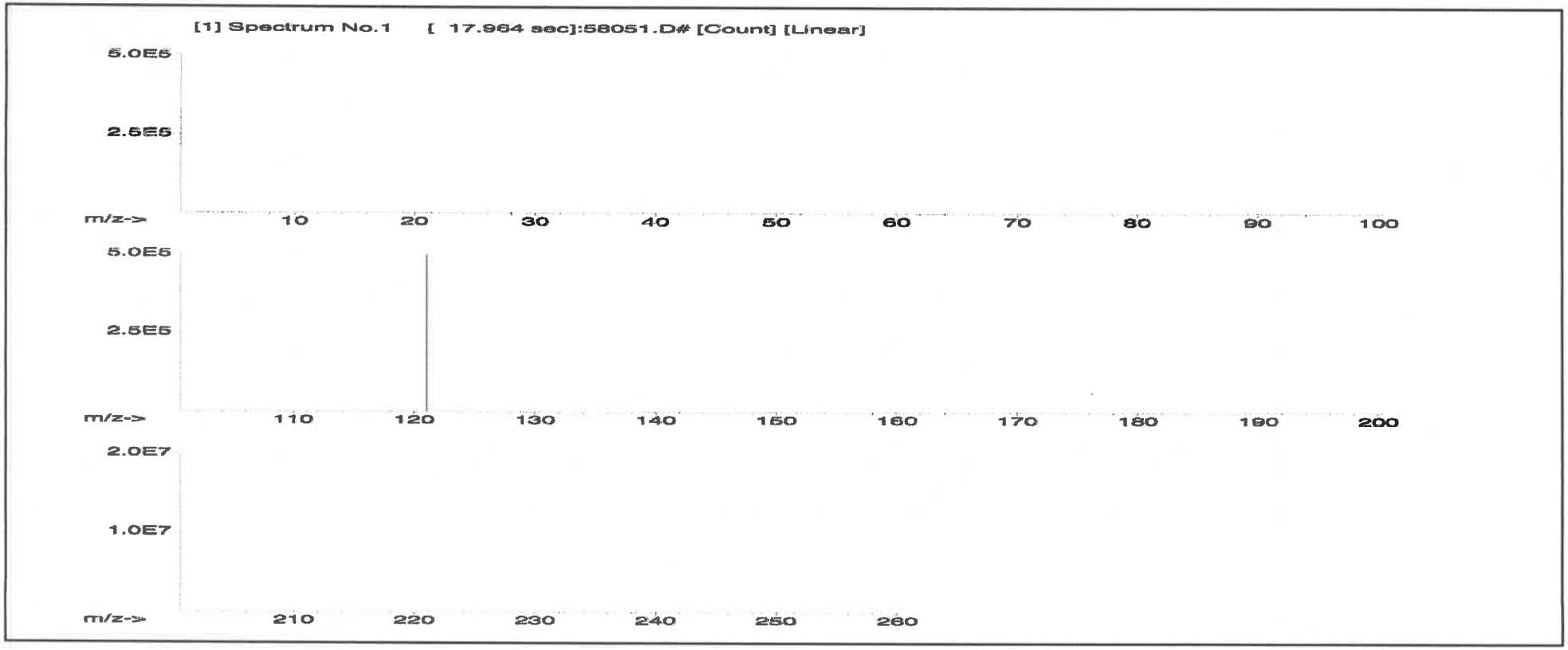
1120

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



11121

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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6030

R: 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

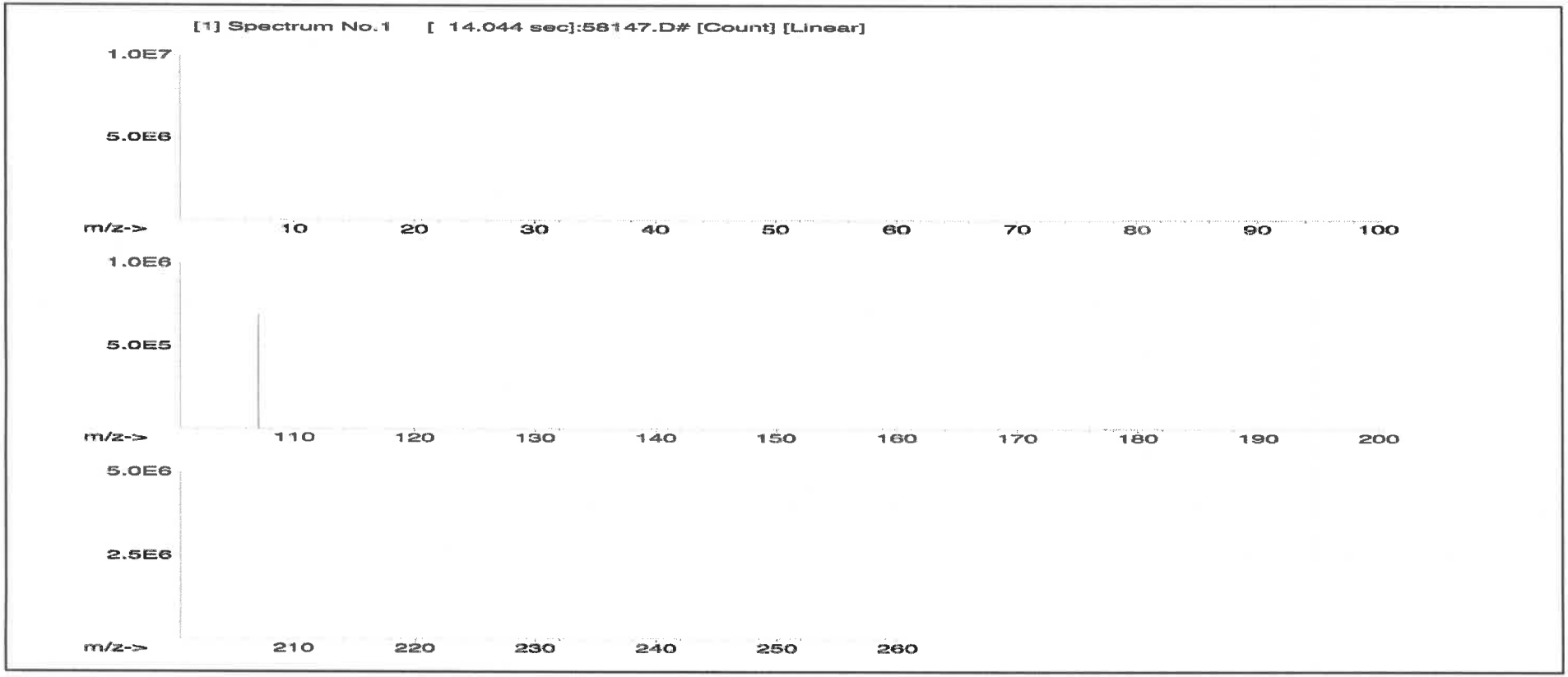
1122

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



1123

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).

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

R: 8/5/24 M6019

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 888.01 ACCREDITED Reference Material Producer Certificate 888.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGSR1
Lot Number:	U2-SR730227
Matrix:	0.1% (v/v) HNO3
Value / Analyte(s):	1 000 µg/mL ea: Strontium
Starting Material:	SrCO3
Starting Material Lot#:	M2-2192
Starting Material Purity:	99.9993%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1001 ± 3 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 Traceable to 3153a Lot Number: K2-SR650985

Assay Method #2 **1001 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Assay Method #3 **1001 ± 2 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.

1124

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	<	0.001980	M	Eu	<	0.000495	O	Na		0.000200	M	Se	<	0.013862	O	Zn		0.000143
O	Al		0.000370	O	Fe		0.000410	M	Nb	<	0.000495	i	Si	<		M	Zr	<	0.000495
M	As	<	0.000495	M	Ga	<	0.000495	M	Nd	<	0.000495	M	Sm	<	0.000495				
M	Au	<	0.000989	M	Gd	<	0.000495	O	Ni	<	0.007631	M	Sn	<	0.000990				
M	B	<	0.039606	M	Ge	<	0.000495	M	Os	<	0.000494	s	Sr	<					
M	Ba		0.006486	M	Hf	<	0.000495	i	P	<		M	Ta	<	0.000495				
M	Be	<	0.000990	M	Hg	<	0.000989	M	Pb	<	0.002970	M	Tb	<	0.000495				
M	Bi	<	0.000495	M	Ho	<	0.000495	M	Pd	<	0.003957	M	Te	<	0.027724				
O	Ca		0.004255	M	In	<	0.000495	M	Pr	<	0.000495	M	Th	<	0.000990				
M	Cd		0.001339	M	Ir	<	0.000494	M	Pt	<	0.002970	M	Ti	<	0.005940				
M	Ce	<	0.004950	O	K	<	0.008184	M	Rb	<	0.002970	M	Tl	<	0.000495				
M	Co	<	0.000495	M	La	<	0.000495	M	Re	<	0.000495	M	Tm	<	0.000495				
O	Cr	<	0.003207	O	Li	<	0.000884	O	Rh	<	0.012829	M	U	<	0.001485				
M	Cs	<	0.000990	M	Lu	<	0.002970	M	Ru	<	0.000989	M	V	<	0.001980				
M	Cu		0.000099	O	Mg		0.000064	i	S	<		M	W	<	0.003960				
M	Dy	<	0.000495	O	Mn		0.000066	M	Sb	<	0.014852	O	Y	<	0.000995				
M	Er	<	0.000495	M	Mo	<	0.001980	M	Sc	<	0.001980	M	Yb	<	0.000495				

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 - 87.62 +2 6 $Sr(H_2O)_6^{+2}$

Chemical Compatibility - Soluble in HCl, and HNO_3. Avoid H_2SO_4, HF and neutral to basic media. Stable with most metals and inorganic anions forming insoluble silicate, carbonate, hydroxide, oxide, fluoride, sulfate, oxalate, chromate, arsenate and tungstate in neutral aqueous media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1 - 3.5% HNO_3 / LDPE container.

Sr Containing Samples (Preparation and Solution) -Metal (Best dissolved in diluted HNO_3); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Dry ash and dissolution in dilute HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 88 amu	1200 ppt	N/A	72Ge16O, 176Yb+2, 176Lu+2 , 176Hf+2
ICP-OES 407.771 nm	0.0004 / 0.00006 µg/mL	1	U, Ce
ICP-OES 421.552 nm	0.0008 / 0.00004 µg/mL	1	Rb
ICP-OES 460.733 nm	0.07 / 0.003 µg/mL	1	Ce

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 03, 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

- **March 03, 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



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 03/16/23 M5473, M5474, M5475, M5476

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

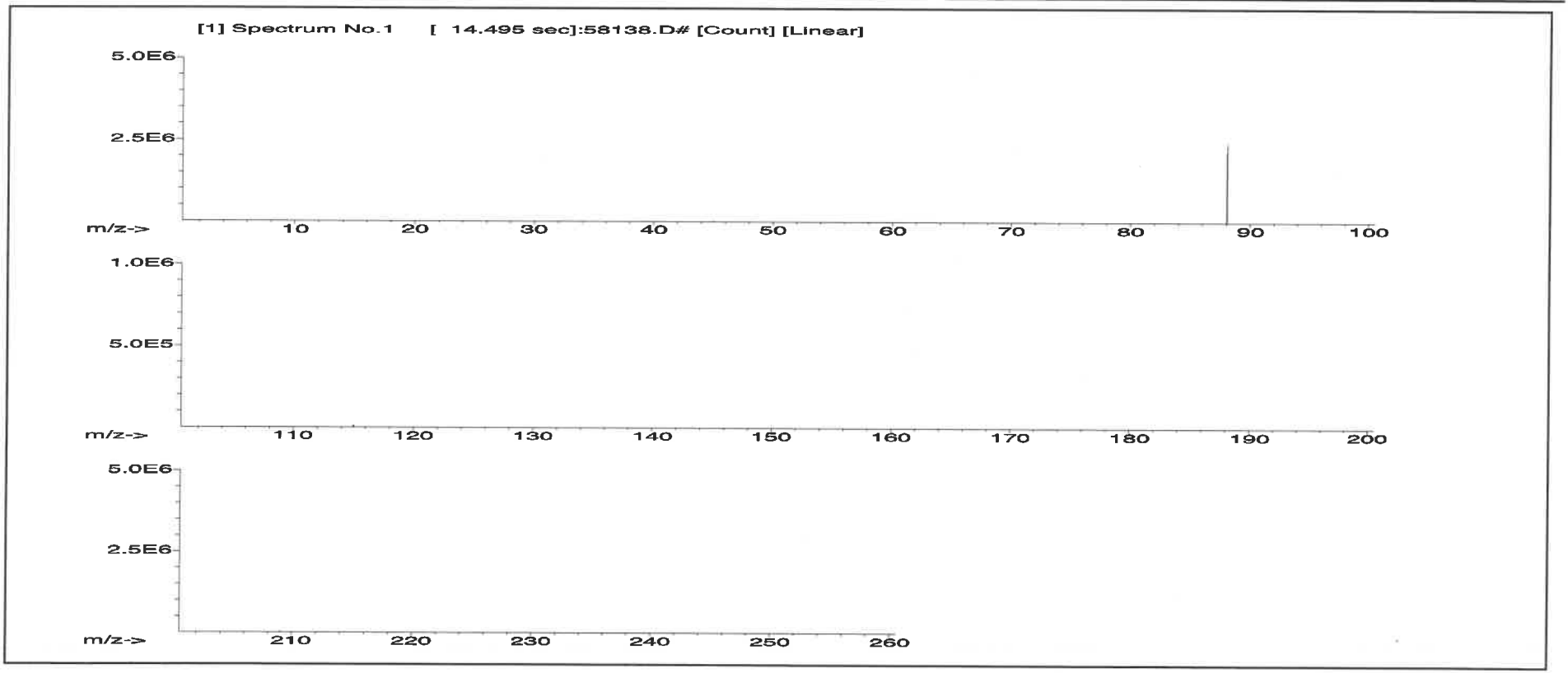
1128

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.
* 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

R ! 8/5/24

M6023

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

1130

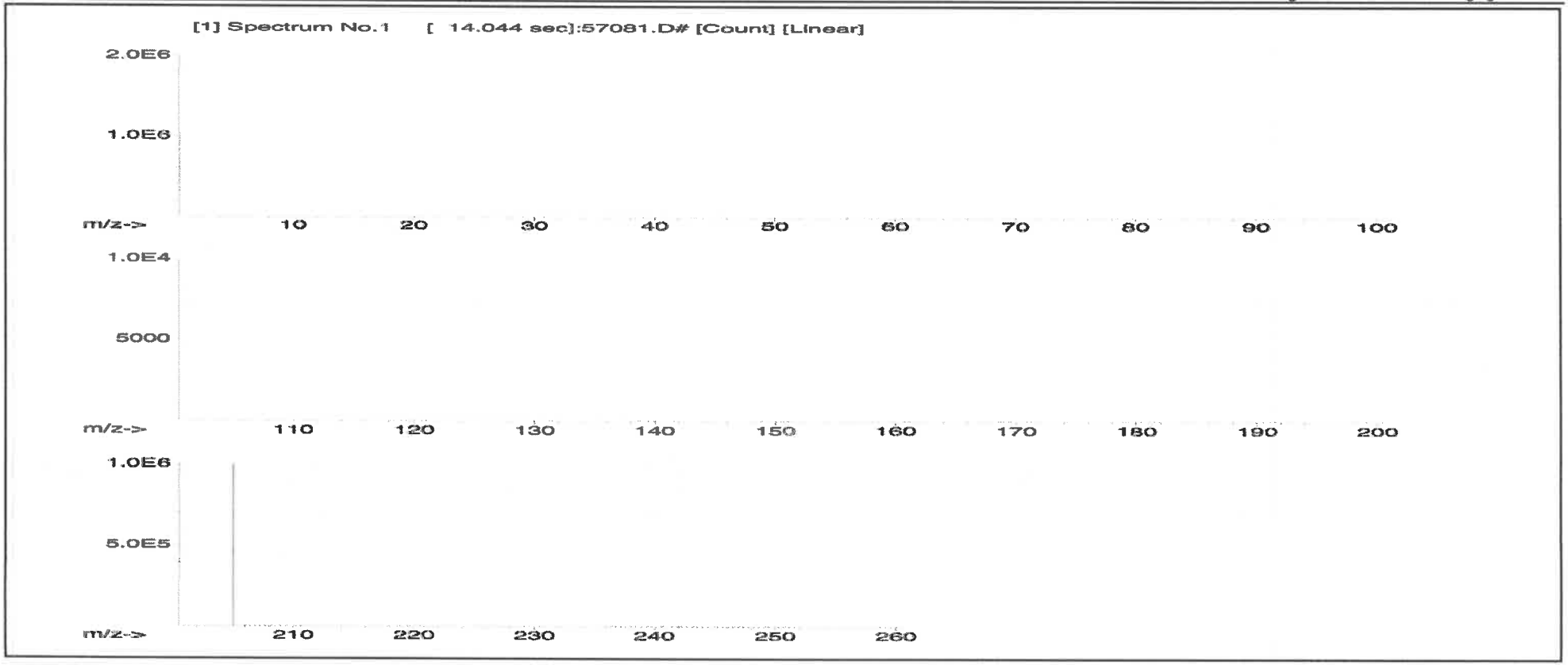
CERTIFIED WEIGHT REPORT:

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



1131

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.
* 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

M6021

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Rc. 8/5/24

1132

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	

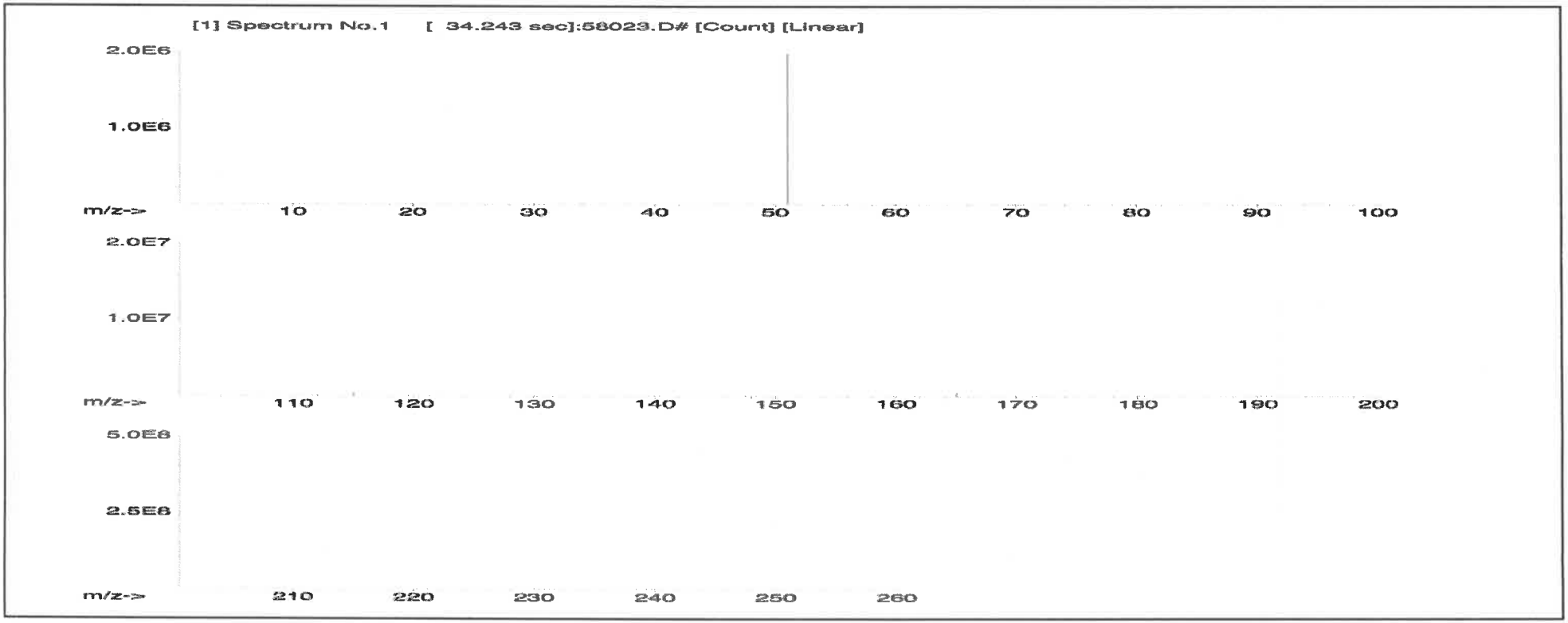
Aleah O'Brady

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



1133

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	T
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* 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).

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB166279

SJ
02/06/25

M200.8-Trace Element-22

SOP ID : ~~M3050B-Digestion-20~~, MSFAM01.1-Metals ICPMS-2

SDG No :	MH2GW9	**Start Digest Date:**	01/27/2025 **Time :** 11:30 **Temp :** 95 °C
Matrix :	SOIL	**End Digest Date:**	01/27/2025 **Time :** 12:30 **Temp :** 95 °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:**	SLD.
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	MP84092
Spike Sol. B	1.00	MP84074
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	4.00	MP84041
1.4 HCL SOLN	10.00	MP82128
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
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK #5 Cell #34 Temp: 95 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/27/25 13:30	SLD. met digestion	
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB166279

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB166279BL	PBS279	N/A	1.00	500	Colorless	Colorless	Fine	N/A	N/A	1
PB166279BS	LCS279	N/A	1.00	500	Colorless	Colorless	Fine	N/A	MP84092	2
Q1177-01	MH2GW9	N/A	2.09	500	Brown	Yellow	Medium	N/A	N/A	3
Q1177-02	MH2GW9D	N/A	2.50	500	Brown	Yellow	Medium	N/A	N/A	4
Q1177-03	MH2GW9S	N/A	2.20	500	Brown	Yellow	Medium	N/A	MP84074	5
Q1177-04	MH2GX2	N/A	2.27	500	Brown	Yellow	Medium	N/A	N/A	6
Q1177-05	MH2GX3	N/A	2.17	500	Brown	Yellow	Medium	N/A	N/A	7
Q1177-06	MH2GX4	N/A	2.01	500	Brown	Yellow	Medium	N/A	N/A	8
Q1177-07	MH2GX5	N/A	2.12	500	Brown	Yellow	Medium	N/A	N/A	9
Q1177-08	MH2GX6	N/A	2.30	500	Brown	Yellow	Medium	N/A	N/A	10
Q1177-09	MH2GX7	N/A	2.11	500	Brown	Yellow	Medium	N/A	N/A	11
Q1177-10	MH2GX8	N/A	2.21	500	Brown	Yellow	Medium	N/A	N/A	12
Q1177-11	MH2GX9	N/A	2.00	500	Brown	Yellow	Medium	N/A	N/A	13
Q1177-12	MH2GY0	N/A	2.14	500	Brown	Yellow	Medium	N/A	N/A	14
Q1177-13	MH2GY1	N/A	2.34	500	Brown	Yellow	Medium	N/A	N/A	15
Q1177-14	MH2GY2	N/A	2.36	500	Brown	Yellow	Medium	N/A	N/A	16
Q1177-15	MH2GY3	N/A	2.17	500	Brown	Yellow	Medium	N/A	N/A	17
Q1177-16	MH2GY4	N/A	2.33	500	Brown	Yellow	Medium	N/A	N/A	18
Q1177-17	MH2GY5	N/A	2.33	500	Brown	Yellow	Medium	N/A	N/A	19
Q1177-18	MH2GY6	N/A	2.23	500	Brown	Yellow	Medium	N/A	N/A	20
Q1177-19	MH2GY7	N/A	2.10	500	Brown	Yellow	Medium	N/A	N/A	21
Q1177-20	MH2GY8	N/A	2.10	500	Brown	Yellow	Medium	N/A	N/A	22
Q1177-21	MH2GY9	N/A	2.45	500	Brown	Yellow	Medium	N/A	N/A	23
Q1177-22	MH2GZ0	N/A	2.15	500	Brown	Yellow	Medium	N/A	N/A	24

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P8

Daily Analysis Runlog For Sequence/QCBatch ID # LB134543

Review By	Sarabjit Jaswal	Review On	2/6/2025 2:11:29 AM
Supervise By	Mohan Bera	Supervise On	2/7/2025 11:30:08 AM

STD. NAME	STD REF.#
ICAL Standard	MP84042,MP84050,MP84049,MP84047,MP84046,MP84045,MP84044,MP84043,MP84073
ICV Standard	MP84051
CCV Standard	MP84052
ICSA Standard	MP84053,MP84054
CRI Standard	
LCS Standard	MP84092
Chk Standard	MP84057,MP84056

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE002	TUNE	01/31/25 14:10		Jaswal	OK
2	S00	S0	CAL1	01/31/25 14:42		Jaswal	OK
3	S02	S02	CAL3	01/31/25 14:46		Jaswal	OK
4	S03	S03	CAL4	01/31/25 14:49		Jaswal	OK
5	S04	S04	CAL5	01/31/25 14:53		Jaswal	OK
6	S05	S05	CAL6	01/31/25 14:56		Jaswal	OK
7	S06	S06	CAL7	01/31/25 14:59		Jaswal	OK
8	S07	S07	CAL8	01/31/25 15:17		Jaswal	OK
9	S08	S08	CAL9	01/31/25 15:20		Jaswal	OK
10	ICV002	ICV002	ICV	01/31/25 15:33	Inst. paused for calibration review	Jaswal	OK
11	ICB002	ICB002	ICB	01/31/25 15:36		Jaswal	OK
12	ICSA002	ICSA002	ICSA	01/31/25 15:40		Jaswal	OK
13	ICSAB002	ICSAB002	ICSAB	01/31/25 15:43		Jaswal	OK
14	CCV011	CCV011	CCV	01/31/25 15:57	Inst. paused for review	Jaswal	OK
15	CCB011	CCB011	CCB	01/31/25 16:01		Jaswal	OK
16	PB166280BL	PBS280	MB	01/31/25 16:08		Jaswal	OK
17	PB166280BS	LCS280	LCS	01/31/25 16:11		Jaswal	OK
18	PB166279BL	PBS279	MB	01/31/25 16:15		Jaswal	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P8

Daily Analysis Runlog For Sequence/QCBatch ID # LB134543

Review By	Sarabjit Jaswal	Review On	2/6/2025 2:11:29 AM
Supervise By	Mohan Bera	Supervise On	2/7/2025 11:30:08 AM

STD. NAME	STD REF.#
ICAL Standard	MP84042,MP84050,MP84049,MP84047,MP84046,MP84045,MP84044,MP84043,MP84073
ICV Standard	MP84051
CCV Standard	MP84052
ICSA Standard	MP84053,MP84054
CRI Standard	
LCS Standard	MP84092
Chk Standard	MP84057,MP84056

19	PB166279BS	LCS279	LCS	01/31/25 16:18		Jaswal	OK
20	PB166302BL	PBS302	MB	01/31/25 16:21	Not Use	Jaswal	Not Ok
21	PB166302BS	LCS302	LCS	01/31/25 16:26	Not Use	Jaswal	Not Ok
22	Q1135-02A	YE8F7A	PS	01/31/25 16:30	PS For Mo(0.016ml mp84380-10ml sample)	Jaswal	OK
23	Q1178-01	MH2GX0	SAM	01/31/25 16:33		Jaswal	OK
24	Q1178-02	MH2GX0D	DUP	01/31/25 16:36		Jaswal	OK
25	Q1178-01L	MH2GX0L	SD	01/31/25 16:39		Jaswal	OK
26	Q1178-03	MH2GX0S	MS	01/31/25 16:43	MS Fail For Ba(878.21ppb),Cd(27.91ppb),Ni(157.05ppb),Se(Below RL)	Jaswal	OK
27	Q1177-01	MH2GW9	SAM	01/31/25 16:46		Jaswal	OK
28	Q1177-02	MH2GW9D	DUP	01/31/25 16:49		Jaswal	OK
29	Q1177-01L	MH2GW9L	SD	01/31/25 16:52		Jaswal	OK
30	Q1177-03	MH2GW9S	MS	01/31/25 16:56	MS Fail For Se(Below RL)	Jaswal	OK
31	Q1159-01	YE8C9	SAM	01/31/25 16:59	Not Use	Jaswal	Not Ok
32	Q1159-02	YE8C9D	DUP	01/31/25 17:02	Not Use	Jaswal	Not Ok
33	Q1159-01L	YE8C9L	SD	01/31/25 17:05	Not Use	Jaswal	Not Ok
34	Q1159-03	YE8C9S	MS	01/31/25 17:09	Not Use	Jaswal	Not Ok
35	Q1178-04	MH2GZ1	SAM	01/31/25 17:12		Jaswal	OK
36	Q1178-05	MH2GZ2	SAM	01/31/25 17:15		Jaswal	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P8

Daily Analysis Runlog For Sequence/QCBatch ID # LB134543

Review By	Sarabjit Jaswal	Review On	2/6/2025 2:11:29 AM
Supervise By	Mohan Bera	Supervise On	2/7/2025 11:30:08 AM

STD. NAME	STD REF.#
ICAL Standard	MP84042,MP84050,MP84049,MP84047,MP84046,MP84045,MP84044,MP84043,MP84073
ICV Standard	MP84051
CCV Standard	MP84052
ICSA Standard	MP84053,MP84054
CRI Standard	
LCS Standard	MP84092
Chk Standard	MP84057,MP84056

37	Q1178-06	MH2GZ3	SAM	01/31/25 17:18		Jaswal	OK
38	Q1178-07	MH2GZ4	SAM	01/31/25 17:22		Jaswal	OK
39	Q1178-08	MH2GZ5	SAM	01/31/25 17:25		Jaswal	OK
40	Q1178-09	MH2H00	SAM	01/31/25 17:28	Pb,Mn,Zn High	Jaswal	Dilution
41	Q1178-10	MH2H01	SAM	01/31/25 17:31	Pb,Zn High	Jaswal	Dilution
42	CCV012	CCV012	CCV	01/31/25 17:34		Jaswal	OK
43	CCB012	CCB012	CCB	01/31/25 17:46	Inst. paused for review	Jaswal	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P8

Daily Analysis Runlog For Sequence/QCBatch ID # LB134589

Review By	Sarabjit Jaswal	Review On	2/7/2025 9:26:29 AM
Supervise By	Mohan Bera	Supervise On	2/7/2025 11:30:42 AM

STD. NAME	STD REF.#
ICAL Standard	MP84042,MP84050,MP84049,MP84047,MP84046,MP84045,MP84044,MP84043,MP84073
ICV Standard	MP84051
CCV Standard	MP84052
ICSA Standard	MP84053,MP84054
CRI Standard	
LCS Standard	
Chk Standard	MP84057,MP84056

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE003	TUNE	02/03/25 14:56		Jaswal	OK
2	S00	S0	CAL1	02/03/25 15:40		Jaswal	OK
3	S02	S02	CAL3	02/03/25 15:44		Jaswal	OK
4	S03	S03	CAL4	02/03/25 15:47		Jaswal	OK
5	S04	S04	CAL5	02/03/25 15:51		Jaswal	OK
6	S05	S05	CAL6	02/03/25 15:54		Jaswal	OK
7	S06	S06	CAL7	02/03/25 15:57		Jaswal	OK
8	S07	S07	CAL8	02/03/25 16:00		Jaswal	OK
9	S08	S08	CAL9	02/03/25 16:03		Jaswal	OK
10	ICV003	ICV003	ICV	02/03/25 16:22	Inst. paused for calibration review	Jaswal	OK
11	ICB003	ICB003	ICB	02/03/25 16:26		Jaswal	OK
12	ICSA003	ICSA003	ICSA	02/03/25 16:29		Jaswal	OK
13	ICSAB003	ICSAB003	ICSAB	02/03/25 16:32		Jaswal	OK
14	CCV013	CCV013	CCV	02/03/25 16:39	Inst. paused for review	Jaswal	OK
15	CCB013	CCB013	CCB	02/03/25 16:48	Inst. paused for review	Jaswal	OK
16	Q1178-11	MH2H02	SAM	02/03/25 16:51		Jaswal	OK
17	Q1178-12	MH2H03	SAM	02/03/25 16:55		Jaswal	OK
18	Q1178-13	MH2H08	SAM	02/03/25 16:58		Jaswal	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P8

Daily Analysis Runlog For Sequence/QCBatch ID # LB134589

Review By	Sarabjit Jaswal	Review On	2/7/2025 9:26:29 AM
Supervise By	Mohan Bera	Supervise On	2/7/2025 11:30:42 AM

STD. NAME	STD REF.#
ICAL Standard	MP84042,MP84050,MP84049,MP84047,MP84046,MP84045,MP84044,MP84043,MP84073
ICV Standard	MP84051
CCV Standard	MP84052
ICSA Standard	MP84053,MP84054
CRI Standard	
LCS Standard	
Chk Standard	MP84057,MP84056

19	Q1178-14	MH2H09	SAM	02/03/25 17:01		Jaswal	OK
20	Q1178-15	MH2H10	SAM	02/03/25 17:05		Jaswal	OK
21	Q1178-16	MH2H11	SAM	02/03/25 17:08		Jaswal	OK
22	Q1178-17	MH2H12	SAM	02/03/25 17:11		Jaswal	OK
23	Q1178-18	MH2H13	SAM	02/03/25 17:14		Jaswal	OK
24	Q1178-19	MH2H14	SAM	02/03/25 17:18		Jaswal	OK
25	Q1178-20	MH2H15	SAM	02/03/25 17:21		Jaswal	OK
26	Q1178-21	MH2H16	SAM	02/03/25 17:24		Jaswal	OK
27	Q1178-22	MH2H27	SAM	02/03/25 17:28		Jaswal	OK
28	Q1177-04	MH2GX2	SAM	02/03/25 17:31		Jaswal	OK
29	Q1177-05	MH2GX3	SAM	02/03/25 17:34	Mn High	Jaswal	Dilution
30	Q1177-06	MH2GX4	SAM	02/03/25 17:38		Jaswal	OK
31	Q1177-07	MH2GX5	SAM	02/03/25 17:41		Jaswal	OK
32	Q1177-08	MH2GX6	SAM	02/03/25 17:44		Jaswal	OK
33	Q1177-09	MH2GX7	SAM	02/03/25 17:48		Jaswal	OK
34	Q1177-10	MH2GX8	SAM	02/03/25 17:51		Jaswal	OK
35	Q1177-11	MH2GX9	SAM	02/03/25 17:54		Jaswal	OK
36	Q1177-12	MH2GY0	SAM	02/03/25 17:58		Jaswal	OK
37	Q1177-13	MH2GY1	SAM	02/03/25 18:01		Jaswal	OK
38	Q1177-14	MH2GY2	SAM	02/03/25 18:04		Jaswal	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P8

Daily Analysis Runlog For Sequence/QCBatch ID # LB134589

Review By	Sarabjit Jaswal	Review On	2/7/2025 9:26:29 AM
Supervise By	Mohan Bera	Supervise On	2/7/2025 11:30:42 AM

STD. NAME	STD REF.#
ICAL Standard	MP84042,MP84050,MP84049,MP84047,MP84046,MP84045,MP84044,MP84043,MP84073
ICV Standard	MP84051
CCV Standard	MP84052
ICSA Standard	MP84053,MP84054
CRI Standard	
LCS Standard	
Chk Standard	MP84057,MP84056

39	Q1177-15	MH2GY3	SAM	02/03/25 18:08		Jaswal	OK
40	Q1177-16	MH2GY4	SAM	02/03/25 18:11		Jaswal	OK
41	Q1177-17	MH2GY5	SAM	02/03/25 18:14		Jaswal	OK
42	CCV014	CCV014	CCV	02/03/25 18:17		Jaswal	OK
43	CCB014	CCB014	CCB	02/03/25 18:21		Jaswal	OK
44	Q1177-18	MH2GY6	SAM	02/03/25 18:26		Jaswal	OK
45	Q1177-19	MH2GY7	SAM	02/03/25 18:29		Jaswal	OK
46	Q1177-20	MH2GY8	SAM	02/03/25 18:33		Jaswal	OK
47	Q1177-21	MH2GY9	SAM	02/03/25 18:36		Jaswal	OK
48	Q1177-22	MH2GZ0	SAM	02/03/25 18:39		Jaswal	OK
49	Q1159-04	YE8D1	SAM	02/03/25 18:43		Jaswal	OK
50	Q1159-05	YE8D3	SAM	02/03/25 18:46		Jaswal	OK
51	Q1159-06	YE8E2	SAM	02/03/25 18:50		Jaswal	OK
52	Q1177-05DL	MH2GX3	SAM	02/03/25 18:53	2X For Mn	Jaswal	Confirms
53	CCV015	CCV015	CCV	02/03/25 18:56		Jaswal	OK
54	CCB015	CCB015	CCB	02/03/25 18:59		Jaswal	OK
55	Q1178-09DL	MH2H00	SAM	02/03/25 19:58	2X For Pb,Mn,Zn	Jaswal	Confirms
56	Q1178-10DL	MH2H01	SAM	02/03/25 20:01	3X For Pb,Zn	Jaswal	Confirms
57	CCV016	CCV016	CCV	02/03/25 20:28		Jaswal	OK
58	CCB016	CCB016	CCB	02/03/25 20:32		Jaswal	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P8

Daily Analysis Runlog For Sequence/QCBatch ID # LB134612

Review By	Sarabjit Jaswal	Review On	2/7/2025 9:21:46 AM
Supervise By	Mohan Bera	Supervise On	2/7/2025 11:31:39 AM

STD. NAME	STD REF.#
ICAL Standard	MP84042,MP84050,MP84049,MP84047,MP84046,MP84045,MP84044,MP84043,MP84073
ICV Standard	MP84051
CCV Standard	MP84052
ICSA Standard	MP84053,MP84054
CRI Standard	MP84378,MP84379,M6032,M5748
LCS Standard	
Chk Standard	MP84057,MP84056

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE001	TUNE	02/06/25 11:25		Jaswal	OK
2	S00	S0	CAL1	02/06/25 12:08		Jaswal	OK
3	S02	S02	CAL3	02/06/25 12:12		Jaswal	OK
4	S03	S03	CAL4	02/06/25 12:15		Jaswal	OK
5	S04	S04	CAL5	02/06/25 12:18		Jaswal	OK
6	S05	S05	CAL6	02/06/25 12:21		Jaswal	OK
7	S06	S06	CAL7	02/06/25 12:24		Jaswal	OK
8	S07	S07	CAL8	02/06/25 12:27		Jaswal	OK
9	S08	S08	CAL9	02/06/25 12:29		Jaswal	OK
10	ICV001	ICV001	ICV	02/06/25 12:45	Inst. paused for Calibration review	Jaswal	OK
11	ICB001	ICB001	ICB	02/06/25 12:50		Jaswal	OK
12	ICSA001	ICSA001	ICSA	02/06/25 12:54		Jaswal	OK
13	ICSAB001	ICSAB001	ICSAB	02/06/25 12:57		Jaswal	OK
14	CCV001	CCV001	CCV	02/06/25 13:00		Jaswal	OK
15	CCB001	CCB001	CCB	02/06/25 13:07	Inst. paused for review	Jaswal	OK
16	Q1177-01A	MH2GW9A	PS	02/06/25 13:10	PS For Se-0.01ml mp84378	Jaswal	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P8

Daily Analysis Runlog For Sequence/QCBatch ID # LB134612

Review By	Sarabjit Jaswal	Review On	2/7/2025 9:21:46 AM
Supervise By	Mohan Bera	Supervise On	2/7/2025 11:31:39 AM

STD. NAME	STD REF.#
ICAL Standard	MP84042,MP84050,MP84049,MP84047,MP84046,MP84045,MP84044,MP84043,MP84073
ICV Standard	MP84051
CCV Standard	MP84052
ICSA Standard	MP84053,MP84054
CRI Standard	MP84378,MP84379,M6032,M5748
LCS Standard	
Chk Standard	MP84057,MP84056

17	Q1178-01A	MH2GX0A	PS	02/06/25 13:14	PS For Ba-0.018 ml m6032, Cd-0.056 ml mp84379, Ni-0.0031ml m5748, Se-0.01ml mp84378	Jaswal	OK
18	PB166302BL	PBS302	MB	02/06/25 13:22		Jaswal	OK
19	PB166302BS	LCS302	LCS	02/06/25 13:26		Jaswal	OK
20	Q1159-01	YE8C9	SAM	02/06/25 13:29	Sr High in MS	Jaswal	Dilution
21	Q1159-02	YE8C9D	DUP	02/06/25 13:32	Sr High in MS	Jaswal	Dilution
22	Q1159-01L	YE8C9L	SD	02/06/25 13:35	Sr High in MS	Jaswal	Dilution
23	Q1159-03	YE8C9S	MS	02/06/25 13:39	Sr High	Jaswal	Dilution
24	PB166317BL	PBW317	MB	02/06/25 13:42	Not Use	Jaswal	Not Ok
25	PB166317BS	LCS317	LCS	02/06/25 13:45	Not Use	Jaswal	Not Ok
26	Q1186-01	ME2948	SAM	02/06/25 13:48	Not Use	Jaswal	Not Ok
27	Q1186-02	ME2949	SAM	02/06/25 13:52		Jaswal	OK
28	Q1186-03	ME2955	SAM	02/06/25 13:55		Jaswal	OK
29	Q1186-04	ME2956	SAM	02/06/25 13:58		Jaswal	OK
30	Q1186-05	ME2957	SAM	02/06/25 14:01		Jaswal	OK
31	Q1186-06	ME2960	SAM	02/06/25 14:05		Jaswal	OK
32	Q1186-07	ME2961	SAM	02/06/25 14:08		Jaswal	OK
33	Q1186-08	ME2962	SAM	02/06/25 14:11		Jaswal	OK
34	Q1186-09	ME2959	SAM	02/06/25 14:14		Jaswal	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P8

Daily Analysis Runlog For Sequence/QCBatch ID # LB134612

Review By	Sarabjit Jaswal	Review On	2/7/2025 9:21:46 AM
Supervise By	Mohan Bera	Supervise On	2/7/2025 11:31:39 AM

STD. NAME	STD REF.#
ICAL Standard	MP84042,MP84050,MP84049,MP84047,MP84046,MP84045,MP84044,MP84043,MP84073
ICV Standard	MP84051
CCV Standard	MP84052
ICSA Standard	MP84053,MP84054
CRI Standard	MP84378,MP84379,M6032,M5748
LCS Standard	
Chk Standard	MP84057,MP84056

35	Q1186-10	ME2959D	DUP	02/06/25 14:18		Jaswal	OK
36	Q1186-09L	ME2959L	SD	02/06/25 14:21		Jaswal	OK
37	Q1186-11	ME2959S	MS	02/06/25 14:24		Jaswal	OK
38	Q1186-12	ME2963	SAM	02/06/25 14:28		Jaswal	OK
39	Q1186-13	ME2967	SAM	02/06/25 14:31		Jaswal	OK
40	Q1186-14	ME2965	SAM	02/06/25 14:34		Jaswal	OK
41	CCV002	CCV002	CCV	02/06/25 14:37		Jaswal	OK
42	CCB002	CCB002	CCB	02/06/25 14:40		Jaswal	OK
43	Q1186-15	ME2966	SAM	02/06/25 14:44		Jaswal	OK
44	Q1186-16	ME2958	SAM	02/06/25 14:47		Jaswal	OK
45	Q1186-17	ME2968	SAM	02/06/25 14:50		Jaswal	OK
46	Q1186-18	ME2974	SAM	02/06/25 14:53		Jaswal	OK
47	Q1186-19	ME2977	SAM	02/06/25 14:57		Jaswal	OK
48	Q1186-20	ME2980	SAM	02/06/25 15:00		Jaswal	OK
49	Q1186-09RE	ME2959	SAM	02/06/25 15:03	Not Use	Jaswal	Not Ok
50	Q1186-10RE	ME2959D	DUP	02/06/25 15:06	Not Use	Jaswal	Not Ok
51	Q1186-09LRE	ME2959L	SD	02/06/25 15:10	Not Use	Jaswal	Not Ok
52	Q1186-11RE	ME2959S	MS	02/06/25 15:13	Not Use	Jaswal	Not Ok
53	PB166435BL	PBW435	MB	02/06/25 15:16		Jaswal	OK
54	PB166435BS	LCS435	LCS	02/06/25 15:24		Jaswal	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P8

Daily Analysis Runlog For Sequence/QCBatch ID # LB134612

Review By	Sarabjit Jaswal	Review On	2/7/2025 9:21:46 AM
Supervise By	Mohan Bera	Supervise On	2/7/2025 11:31:39 AM

STD. NAME	STD REF.#
ICAL Standard	MP84042,MP84050,MP84049,MP84047,MP84046,MP84045,MP84044,MP84043,MP84073
ICV Standard	MP84051
CCV Standard	MP84052
ICSA Standard	MP84053,MP84054
CRI Standard	MP84378,MP84379,M6032,M5748
LCS Standard	
Chk Standard	MP84057,MP84056

55	Q1200-01	ME2964	SAM	02/06/25 15:28		Jaswal	OK
56	Q1200-02	ME2964D	DUP	02/06/25 15:32		Jaswal	OK
57	Q1200-01L	ME2964L	SD	02/06/25 15:35		Jaswal	OK
58	Q1200-03	ME2964S	MS	02/06/25 15:38		Jaswal	OK
59	Q1200-04	ME2981	SAM	02/06/25 15:41		Jaswal	OK
60	Q1200-05	ME2982	SAM	02/06/25 15:44		Jaswal	OK
61	Q1200-06	ME2983	SAM	02/06/25 15:48		Jaswal	OK
62	Q1200-07	ME2984	SAM	02/06/25 15:51		Jaswal	OK
63	Q1200-08	ME2985	SAM	02/06/25 15:54		Jaswal	OK
64	Q1200-09	ME2986	SAM	02/06/25 15:57		Jaswal	OK
65	Q1200-10	ME2987	SAM	02/06/25 16:01		Jaswal	OK
66	Q1200-11	ME2988	SAM	02/06/25 16:04		Jaswal	OK
67	Q1200-12	ME2992	SAM	02/06/25 16:07		Jaswal	OK
68	Q1200-13	ME2994	SAM	02/06/25 16:10		Jaswal	OK
69	Q1200-14	ME2995	SAM	02/06/25 16:13		Jaswal	OK
70	CCV003	CCV003	CCV	02/06/25 16:17		Jaswal	OK
71	CCB003	CCB003	CCB	02/06/25 16:19		Jaswal	OK
72	Q1200-15	ME2999	SAM	02/06/25 16:23		Jaswal	OK
73	Q1200-16	ME2997	SAM	02/06/25 16:26		Jaswal	OK
74	Q1200-17	ME2998	SAM	02/06/25 16:29		Jaswal	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P8

Daily Analysis Runlog For Sequence/QCBatch ID # LB134612

Review By	Sarabjit Jaswal	Review On	2/7/2025 9:21:46 AM
Supervise By	Mohan Bera	Supervise On	2/7/2025 11:31:39 AM

STD. NAME	STD REF.#
ICAL Standard	MP84042,MP84050,MP84049,MP84047,MP84046,MP84045,MP84044,MP84043,MP84073
ICV Standard	MP84051
CCV Standard	MP84052
ICSA Standard	MP84053,MP84054
CRI Standard	MP84378,MP84379,M6032,M5748
LCS Standard	
Chk Standard	MP84057,MP84056

75	Q1200-18	ME29A0	SAM	02/06/25 16:33		Jaswal	OK
76	Q1200-19	ME29A1	SAM	02/06/25 16:36		Jaswal	OK
77	Q1200-20	ME29A2	SAM	02/06/25 16:39		Jaswal	OK
78	Q1200-21	ME29A3	SAM	02/06/25 16:42		Jaswal	OK
79	WATER-01	WATER-01	SAM	02/06/25 16:46		Jaswal	OK
80	WATER-02RE	WATER-02RE	SAM	02/06/25 16:49	Not Use	Jaswal	Not Ok
81	WATER-02	WATER-02	SAM	02/06/25 16:52		Jaswal	OK
82	CCV004	CCV004	CCV	02/06/25 16:55		Jaswal	OK
83	CCB004	CCB004	CCB	02/06/25 17:02	Inst. paused for review	Jaswal	OK
84	PB166532BL	PBS532	MB	02/06/25 17:12	Not Use	Jaswal	Not Ok
85	PB166532BS	LCS532	LCS	02/06/25 17:15	Not Use	Jaswal	Not Ok
86	Q1271-03	3189-3196	SAM	02/06/25 17:18	Not Use	Jaswal	Not Ok
87	Q1271-03DUP	3189-3196	DUP	02/06/25 17:21	Not Use	Jaswal	Not Ok
88	Q1271-03L	3189-3196L	SD	02/06/25 17:25	Not Use	Jaswal	Not Ok
89	Q1271-03MS	3189-3196	MS	02/06/25 17:28	Not Use	Jaswal	Not Ok
90	Q1271-03MSD	3189-3196	MSD	02/06/25 17:31	Not Use	Jaswal	Not Ok
91	Q1271-03A	3189-3196A	PS	02/06/25 17:34	Not Use	Jaswal	Not Ok
92	CCV005	CCV005	CCV	02/06/25 17:39		Jaswal	OK
93	CCB005	CCB005	CCB	02/06/25 17:42		Jaswal	OK
94	PB166282BL	PBW282	MB	02/06/25 17:45	Not Use	Jaswal	Not Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P8

Daily Analysis Runlog For Sequence/QCBatch ID # LB134612

Review By	Sarabjit Jaswal	Review On	2/7/2025 9:21:46 AM
Supervise By	Mohan Bera	Supervise On	2/7/2025 11:31:39 AM

STD. NAME	STD REF.#
ICAL Standard	MP84042,MP84050,MP84049,MP84047,MP84046,MP84045,MP84044,MP84043,MP84073
ICV Standard	MP84051
CCV Standard	MP84052
ICSA Standard	MP84053,MP84054
CRI Standard	MP84378,MP84379,M6032,M5748
LCS Standard	
Chk Standard	MP84057,MP84056

95	PB166282BS	LCS282	LCS	02/06/25 17:49	Not Use	Jaswal	Not Ok
96	Q1193-01	TAPIAL3-MW04S-012	SAM	02/06/25 17:53	Not Use	Jaswal	Not Ok
97	Q1193-02	TAPIAL2-MW01-0124	SAM	02/06/25 17:56	Not Use	Jaswal	Not Ok
98	Q1193-02DUP	TAPIAL2-MW01-0124	DUP	02/06/25 17:59	Not Use	Jaswal	Not Ok
99	Q1193-02L	TAPIAL2-MW01-0124	SD	02/06/25 18:02	Not Use	Jaswal	Not Ok
100	Q1193-02MS	TAPIAL2-MW01-0124	MS	02/06/25 18:06	Not Use	Jaswal	Not Ok
101	Q1193-02MSD	TAPIAL2-MW01-0124	MSD	02/06/25 18:08	Not Use	Jaswal	Not Ok
102	Q1193-02A	TAPIAL2-MW01-0124	PS	02/06/25 18:11	Not Use	Jaswal	Not Ok
103	CCV006	CCV006	CCV	02/06/25 18:14		Jaswal	OK
104	CCB006	CCB006	CCB	02/06/25 18:18		Jaswal	OK
105	PB166378BL	PBW378	MB	02/06/25 18:21	Not Use	Jaswal	Not Ok
106	PB166378BS	LCS378	LCS	02/06/25 18:25	Not Use	Jaswal	Not Ok
107	Q1201-01	TAPHHA-MW12-0127	SAM	02/06/25 18:28	Not Use	Jaswal	Not Ok
108	Q1211-01	TAPHHA-MW01-0128	SAM	02/06/25 18:31	Not Use	Jaswal	Not Ok
109	Q1211-02	TAPIAL2-MW03-0128	SAM	02/06/25 18:34	Not Use	Jaswal	Not Ok
110	Q1211-02DUP	TAPIAL2-MW03-0128	DUP	02/06/25 18:37	Not Use	Jaswal	Not Ok
111	Q1211-02L	TAPIAL2-MW03-0128	SD	02/06/25 18:40	Not Use	Jaswal	Not Ok
112	Q1211-02MS	TAPIAL2-MW03-0128	MS	02/06/25 18:44	Not Use	Jaswal	Not Ok
113	Q1211-02MSD	TAPIAL2-MW03-0128	MSD	02/06/25 18:46	Not Use	Jaswal	Not Ok
114	Q1211-02A	TAPIAL2-MW03-0128	PS	02/06/25 18:49	Not Use	Jaswal	Not Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P8

Daily Analysis Runlog For Sequence/QCBatch ID # LB134612

Review By	Sarabjit Jaswal	Review On	2/7/2025 9:21:46 AM
Supervise By	Mohan Bera	Supervise On	2/7/2025 11:31:39 AM

STD. NAME	STD REF.#
ICAL Standard	MP84042,MP84050,MP84049,MP84047,MP84046,MP84045,MP84044,MP84043,MP84073
ICV Standard	MP84051
CCV Standard	MP84052
ICSA Standard	MP84053,MP84054
CRI Standard	MP84378,MP84379,M6032,M5748
LCS Standard	
Chk Standard	MP84057,MP84056

115	CCV007	CCV007	CCV	02/06/25 18:52		Jaswal	OK
116	CCB007	CCB007	CCB	02/06/25 18:58	Inst. paused for review	Jaswal	OK
117	Q1159-01A	YE8C9A	PS	02/06/25 19:55	PS For Se(0.01ML MP84378)	Jaswal	OK
118	Q1186-09A	ME2959A	PS	02/06/25 19:58	PS For Se(0.01ML MP84378-10ML SAMPLE)	Jaswal	OK
119	Q1200-01A	ME2964A	PS	02/06/25 20:01	PS For Se(0.01ML MP84378-10ML SAMPLE)	Jaswal	OK
120	PB166570BL	PBW570	MB	02/06/25 20:04		Jaswal	OK
121	PB166570BS	LCS570	LCS	02/06/25 20:08		Jaswal	OK
122	Q1135-09	YE8H7	SAM	02/06/25 20:11		Jaswal	OK
123	Q1223-17	A6310	SAM	02/06/25 20:14		Jaswal	OK
124	CCV008	CCV008	CCV	02/06/25 20:22		Jaswal	OK
125	CCB008	CCB008	CCB	02/06/25 20:25		Jaswal	OK

1149

00015

00076

FedEx Express **Package US Airbill**

FedEx Tracking Number **8184 7188 9747**

Form ID No. 0215 — **Recipient's Copy**

1 From

Date 1/23/25

Sender's Name Mark Wood Phone 303 274-5400

Company PACIFIC WESTERN TECHNOLOGIES

Address 3000 YOUNGFIELD ST Dept./Floor/Suite/Room

City DENVER State CO ZIP 80215-6552

2 Your Internal Billing Reference 038 004 040 PO2 1

3 To

Recipient's Name Sahil Jadhavi Phone 904 744 8900

Company Alliance Technical Group LLC

Address 284 Sheffield St Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Mountainside State NJ ZIP 07092

Hold Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight.

Hold Saturday — FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0141525264

8184 7188 9747

0735

1-24-25

1:2'C

4 Express Package Service * To most locations.

Packages up to 150 lbs. For packages over 150 lbs., use the FedEx Express Freight US Airbill.

Next Business Day	2 or 3 Business Days
☒ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.	☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
☐ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless Saturday Delivery is selected.	☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless Saturday Delivery is selected.
☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.	☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.

☐ Saturday Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☒ Direct Signature — Someone at recipient's address may sign for delivery.

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only.

Does this shipment contain dangerous goods? One box must be checked.

☒ No ☐ Yes — As per attached Shipper's Declaration. ☐ Yes — Shipper's Declaration not required. ☐ Dry Ice — Dry Ice, 9, UN 1845 _____ x _____ kg

Restrictions apply for dangerous goods — see the current FedEx Service Guide. ☐ Cargo Aircraft Only

7 Payment *Bill to:*

☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party — Enter FedEx Acct. No. below — Obtain recip. FedEx Acct No. ☐

Total Packages _____ Total Weight _____ lbs.

† Our liability is limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

611

Rev. Date 4/22 • Part #163134 • ©1994–2022 FedEx • PRINTED IN U.S.A.

fedex.com 1.800.GoFedEx 1.800.463.3339

fedex.com 1.800.GoFedEx 1.800.463.3339

Alliance TECHNICAL GROUP 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Login Summary Report

Order ID :	Q1177	Order Date :	1/24/2025 7:35:00 AM	Project Mgr :	Deepak
Client :	USEPA CLP SMO	Project :	51822	Report Type :	USEPA CLP
Contact :	Anita Kapadia	Receive Date :	1/24/2025 7:35:00 AM	EDD Type :	EPA CLP
Date Sign Off :	1/24/2025 2:14:46 PM				

Sample ID	Client ID	Matrix	Sampling Date	Test	Test Group	Method	TAT Days	Fax Due Date	HC Due Date
Q1177-01	MH2GW9	Solid	12/18/2024						
				Metals CLP MS FULL		SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids		Chemtech -SOP	10	02/07/2025	02/07/2025
Q1177-02	MH2GW9D	Solid	12/18/2024						
				Metals CLP MS FULL		SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids		Chemtech -SOP	10	02/07/2025	02/07/2025
Q1177-03	MH2GW9S	Solid	12/18/2024						
				Metals CLP MS FULL		SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids		Chemtech -SOP	10	02/07/2025	02/07/2025
Q1177-04	MH2GX2	Solid	12/18/2024						
				Metals CLP MS FULL		SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids		Chemtech -SOP	10	02/07/2025	02/07/2025
Q1177-05	MH2GX3	Solid	12/18/2024						
				Metals CLP MS FULL		SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids		Chemtech -SOP	10	02/07/2025	02/07/2025
Q1177-06	MH2GX4	Solid	12/18/2024						
				Metals CLP MS FULL		SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids		Chemtech -SOP	10	02/07/2025	02/07/2025
Q1177-07	MH2GX5	Solid	12/18/2024						
				Metals CLP MS FULL		SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids		Chemtech -SOP	10	02/07/2025	02/07/2025
Q1177-08	MH2GX6	Solid	12/18/2024						
				Metals CLP MS FULL		SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids		Chemtech -SOP	10	02/07/2025	02/07/2025
Q1177-09	MH2GX7	Solid	12/18/2024						
				Metals CLP MS FULL		SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids		Chemtech -SOP	10	02/07/2025	02/07/2025
Q1177-10	MH2GX8	Solid	12/18/2024						
				Metals CLP MS FULL		SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids		Chemtech -SOP	10	02/07/2025	02/07/2025

Q1177-11	MH2GX9	Solid	12/18/2024					
				Metals CLP MS FULL	SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids	Chemtech -SOP	10	02/07/2025	02/07/2025
Q1177-12	MH2GY0	Solid	12/18/2024					
				Metals CLP MS FULL	SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids	Chemtech -SOP	10	02/07/2025	02/07/2025
Q1177-13	MH2GY1	Solid	12/18/2024					
				Metals CLP MS FULL	SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids	Chemtech -SOP	10	02/07/2025	02/07/2025
Q1177-14	MH2GY2	Solid	12/18/2024					
				Metals CLP MS FULL	SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids	Chemtech -SOP	10	02/07/2025	02/07/2025
Q1177-15	MH2GY3	Solid	12/18/2024					
				Metals CLP MS FULL	SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids	Chemtech -SOP	10	02/07/2025	02/07/2025
Q1177-16	MH2GY4	Solid	12/18/2024					
				Metals CLP MS FULL	SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids	Chemtech -SOP	10	02/07/2025	02/07/2025
Q1177-17	MH2GY5	Solid	12/18/2024					
				Metals CLP MS FULL	SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids	Chemtech -SOP	10	02/07/2025	02/07/2025
Q1177-18	MH2GY6	Solid	12/18/2024					
				Metals CLP MS FULL	SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids	Chemtech -SOP	10	02/07/2025	02/07/2025
Q1177-19	MH2GY7	Solid	12/18/2024					
				Metals CLP MS FULL	SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids	Chemtech -SOP	10	02/07/2025	02/07/2025
Q1177-20	MH2GY8	Solid	12/18/2024					
				Metals CLP MS FULL	SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids	Chemtech -SOP	10	02/07/2025	02/07/2025
Q1177-21	MH2GY9	Solid	12/18/2024					
				Metals CLP MS FULL	SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids	Chemtech -SOP	10	02/07/2025	02/07/2025
Q1177-22	MH2GZ0	Solid	12/18/2024					
				Metals CLP MS FULL	SFAM_MS	10	02/07/2025	02/07/2025
				Percent Solids	Chemtech -SOP	10	02/07/2025	02/07/2025

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB166279 **WorkList ID :** 187174 **Department :** Digestion **Date :** 01-27-2025 10:44:56

11152

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1177-01	MH2GW9	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS
Q1177-02	MH2GW9D	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS
Q1177-03	MH2GW9S	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS
Q1177-04	MH2GX2	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS
Q1177-05	MH2GX3	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS
Q1177-06	MH2GX4	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS
Q1177-07	MH2GX5	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS
Q1177-08	MH2GX6	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS
Q1177-09	MH2GX7	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS
Q1177-10	MH2GX8	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS
Q1177-11	MH2GX9	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS
Q1177-12	MH2GY0	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS
Q1177-13	MH2GY1	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS
Q1177-14	MH2GY2	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS
Q1177-15	MH2GY3	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS
Q1177-16	MH2GY4	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS
Q1177-17	MH2GY5	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS
Q1177-18	MH2GY6	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS
Q1177-19	MH2GY7	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS
Q1177-20	MH2GY8	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS
Q1177-21	MH2GY9	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS

Date/Time 01/27/25 11:10

Raw Sample Received by: SLG.mct.db

Raw Sample Relinquished by: JD(SM)

Date/Time 01/27/25 12:10

Raw Sample Received by: JD(SM)

Raw Sample Relinquished by: SLG.mct.db

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB166279 **WorkList ID :** 187174 **Department :** Digestion **Date :** 01-27-2025 10:44:56

1153

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1177-22	MH2GZ0	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C21	12/18/2024	SFAM_MS

Date/Time 01/27/25 11:10
Raw Sample Received by: SLD. met. dis
Raw Sample Relinquished by: JD (SM)

Date/Time 01/27/25 12:10
Raw Sample Received by: JD(SM)
Raw Sample Relinquished by: SLD. met. dis