SDG COVER PAGE

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

Lab Code: ACE Case No.: 51495 MA No.: 3221.2 SDG No.: MYD5R3

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method ICP-AES	ICP-MS	Mercury	Cyanide
MYD546	P2826-01		X		
MYD546D	P2826-02		X		
MYD546S	P2826-03		X		
MYD5R3	P2826-04		X		
MYD5R4	P2826-05		X		
MYD5R5	P2826-06		X		
MYD5R6	P2826-07		X		
MYD5R7	P2826-08		X		
MYD5R8	P2826-09		X		
MYD5R9	P2826-10		X		
MYD5S0	P2826-11		X		
MYD5S1	P2826-12		X		
MYD5S2	P2826-13		X		
MYD5S3	P2826-14		X		
MYD5S4	P2826-15		X		
MYD5S5	P2826-16		X		
MYD5S6	P2826-17		X		
MYD5S7	P2826-18		X		
MYD5S8	P2826-19		X		
MYD5S9	P2826-20		X		
MYD5T0	P2826-21		X		
MYD5T1	P2826-22		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: _____

USEPA CLP COC (LAB COPY)
DateShipped: 6/7/2024
CarrierName: FedEx
AirbillNo: 7767 4279 6255

CHAIN OF CUSTODY RECORD

Case #: 51495
Cooler #: 51495-063

No: 9-060624-113929-0063
Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed
Lab Phone: 908-728-3151

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
2119A_2119B-N-00007-01	MYD545	Soil/ ERT	Grab	ICP-AES 11(21)	9-3673 (None) (1)	2119A_2119B-N-00007	06/05/2024 08:51	
2119A_2119B-BB-00002-03	MYD546	Soil/ REAC	Grab	ICP-AES 11(21)	9-3674 (None) (1)	2119A_2119B-BB-00002	06/05/2024 10:00	9- QC
2119A_2119B-Y-00003-01	MYD547	Soil/ REAC	Grab	ICP-AES 11(21)	9-3675 (None) (1)	2119A_2119B-Y-00003	06/05/2024 09:42	

Sample(s) to be used for Lab QC: 2119A_2119B-BB-00002-03 Tag 9-3674 - Special Instructions: ICP-AES 11+ Metals: Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Sb, Se, Tl, V, Zn

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ICP-AES 11=ICP-AES 11+Metals

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship to Lab	Carolina Cifuentes Weston	6/7/2024 15:00		6-10-24 0854	21.9°C IR GUN #1
					custody seals intact
					NO Temp BKL.

68HERH20D0011 SDG # MYD546 & MYD5R3

USEPA CLP COC (LAB COPY)
DateShipped: 6/7/2024
CarrierName: FedEx
AirbillNo: 7767 6243 8256

CHAIN OF CUSTODY RECORD

Case #: 51495
Cooler #: 51495-068

No: 9-060724-134233-0068
Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed
Lab Phone: 908-728-3151

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
1915-B-0003-01	MYD5R3	Soil/ REAC	Grab	ICP-AES 11(21)	9-3917 (None) (1)	1915-B-0003	06/06/2024 09:37	2
1915-A-0007-01	MYD5R4	Soil/ ERT	Grab	ICP-AES 11(21)	9-3918 (None) (1)	1915-A-0007	06/06/2024 09:23	3
1915-D-0004-01	MYD5R5	Soil/ REAC	Grab	ICP-AES 11(21)	9-3919 (None) (1)	1915-D-0004	06/06/2024 09:36	4
1915-D-0006-01	MYD5R6	Soil/ REAC	Grab	ICP-AES 11(21)	9-3920 (None) (1)	1915-D-0006	06/06/2024 09:34	5
1915-E-0008-01	MYD5R7	Soil/ ERT	Grab	ICP-AES 11(21)	9-3921 (None) (1)	1915-E-0008	06/06/2024 09:34	6
1915-A-0004-01	MYD5R8	Soil/ ERT	Grab	ICP-AES 11(21)	9-3922 (None) (1)	1915-A-0004	06/06/2024 09:32	7
1915-D-0002-01	MYD5R9	Soil/ REAC	Grab	ICP-AES 11(21)	9-3923 (None) (1)	1915-D-0002	06/06/2024 09:30	8
1915-A-0008-01	MYD5S0	Soil/ ERT	Grab	ICP-AES 11(21)	9-3924 (None) (1)	1915-A-0008	06/06/2024 09:29	9
1915-D-0008-01	MYD5S1	Soil/ REAC	Grab	ICP-AES 11(21)	9-3925 (None) (1)	1915-D-0008	06/06/2024 09:28	10
1915-E-0003-01	MYD5S2	Soil/ ERT	Grab	ICP-AES 11(21)	9-3926 (None) (1)	1915-E-0003	06/06/2024 09:27	11
1915-B-0001-01	MYD5S3	Soil/ REAC	Grab	ICP-AES 11(21)	9-3927 (None) (1)	1915-B-0001	06/06/2024 09:26	12
1915-A-0007-02	MYD5S4	Soil/ ERT	Grab	ICP-AES 11(21)	9-3928 (None) (1)	1915-A-0007	06/06/2024 09:23	13
1915-E-0004-01	MYD5S5	Soil/ REAC	Grab	ICP-AES 11(21)	9-3929 (None) (1)	1915-E-0004	06/06/2024 09:41	14
1915-C-0005-01	MYD5S6	Soil/ REAC	Grab	ICP-AES 11(21)	9-3930 (None) (1)	1915-C-0005	06/06/2024 09:38	15
1915-D-0009-01	MYD5S7	Soil/ REAC	Grab	ICP-AES 11(21)	9-3931 (None) (1)	1915-D-0009	06/06/2024 09:14	16
1915-F-0005-01	MYD5S8	Soil/ REAC	Grab	ICP-AES 11(21)	9-3932 (None) (1)	1915-F-0005	06/06/2024 09:23	17
1915-B-0004-01	MYD5S9	Soil/ REAC	Grab	ICP-AES 11(21)	9-3933 (None) (1)	1915-B-0004	06/06/2024 09:23	18
1915-D-0005-01	MYD5T0	Soil/ REAC	Grab	ICP-AES 11(21)	9-3934 (None) (1)	1915-D-0005	06/06/2024 09:23	19
1915-A-0002-01	MYD5T1	Soil/ ERT	Grab	ICP-AES 11(21)	9-3935 (None) (1)	1915-A-0002	06/06/2024 09:21	20

Special Instructions: ICP-AES 11+ Metals: Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Sb, Se, Tl, V, Zn

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ICP-AES 11=ICP-AES 11+Metals

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship to Lab	Cervantes Cifuentes Weston	6/7/2024 15:00		854 6/10/24	IR Gun #1 19.8
					Custody Seal Intact
					No temp BLNK

3

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 1 of 2
Received By (Print Name)		Log-in Date **6/10/2024**
Received By (Signature)		
Case Number 51495	SDG No. MYD546 & MYD5R3	MA No. 3208.0 & 3221.2

Remarks:	
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.	776742796255 1
6. Shipping Container Temperature Indicator Bottle	Absent
7. Shipping Container Temperature	21.9 Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	06/10/2024
12.Time Received	08:54

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MYD546	N/A	9-3674	P2826-01	Intact
2	MYD546D	N/A	9-3674	P2826-02	Intact
3	MYD546S	N/A	9-3674	P2826-03	Intact
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By		Logbook No.	N/A
Date	6/11/24	Logbook Page No.	N/A

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 2 of 2
Received By (Print Name)		Log-in Date **6/10/2024**
Received By (Signature)		
Case Number 51495	SDG No. MYD546 & MYD5R3	MA No. 3208.0 & 3221.2

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.	776762438256 2
6. Shipping Container Temperature Indicator Bottle	Absent
7. Shipping Container Temperature	19.8 Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	06/10/2024
12.Time Received	08:54

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MYD5R3	N/A	9-3917	P2826-04	Intact
2	MYD5R4	N/A	9-3918	P2826-05	Intact
3	MYD5R5	N/A	9-3919	P2826-06	Intact
4	MYD5R6	N/A	9-3920	P2826-07	Intact
5	MYD5R7	N/A	9-3921	P2826-08	Intact
6	MYD5R8	N/A	9-3922	P2826-09	Intact
7	MYD5R9	N/A	9-3923	P2826-10	Intact
8	MYD5S0	N/A	9-3924	P2826-11	Intact
9	MYD5S1	N/A	9-3925	P2826-12	Intact
10	MYD5S2	N/A	9-3926	P2826-13	Intact
11	MYD5S3	N/A	9-3927	P2826-14	Intact
12	MYD5S4	N/A	9-3928	P2826-15	Intact
13	MYD5S5	N/A	9-3929	P2826-16	Intact
14	MYD5S6	N/A	9-3930	P2826-17	Intact
15	MYD5S7	N/A	9-3931	P2826-18	Intact
16	MYD5S8	N/A	9-3932	P2826-19	Intact
17	MYD5S9	N/A	9-3933	P2826-20	Intact
18	MYD5T0	N/A	9-3934	P2826-21	Intact
19	MYD5T1	N/A	9-3935	P2826-22	Intact
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By		Logbook No.	N/A
Date	6/11/24	Logbook Page No.	N/A

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

LAB NAME	**Alliance Technical Group, LLC**		
LAB CODE	**ACE**		
CONTRACT NO.	**68HERH20D0011**		
CASE NO.	**51495**	SDG NO.	**MYD5R3**
MA NO.	**3208.0,3221.2**	SOW NO.	**SFAM01.1**

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

	PAGE NOs: FROM	PAGE NOs: TO	CHECK LAB	CHECK REGION
1 . SDG Cover Page	1	1	✓	
2 . Traffic Report/Chain of Custody Record(s)	2	3	✓	
3 . Sample Log-In Sheet (DC-1)	4	5	✓	
4 . CSF Inventory Sheet (DC-2)	6	8	✓	
5 . SDG Narrative	9	13	✓	
6 . Communication Logs	14	17	✓	
7 . Percent Solids Log	18	20	✓	
Analysis Forms and Data (ICP-AES)				
8 . Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	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	21	40	✓	
18 . Instrument raw data by instrument in analysis order	41	698	✓	
Other Data				
19 . Standard and Reagent Preparation Logs	699	834	✓	
20 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	835	836	✓	
21 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	837	843	✓	
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 2)	844	845	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	846	848	✓	
45. Misc. Shipping/Receiving Records (list all individual records)				
	NA	NA	✓	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	849	850	✓	
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 # MYD5R3
CASE # 51495
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID #P2826
MODIFIED ANALYSIS#3221.2

A. Number of Samples and Date of Receipt

20 Soil sample were delivered to the laboratory intact on 06/10/2024.

B. Parameters

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

C. Cooler Temp

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

Cooler: 21.9°C, 19.8°C

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

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

Issue 2: The laboratory received samples without ice. The coolers had temperatures 24.2 degrees C, 23.2 degrees C, 23.8 degrees C, 24.1 degrees C, and 26.1 degrees C upon arrival. The laboratory would like to know how to proceed.

E. Corrective Action taken for above:

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

Resolution 2: Per Region 9, Case 51495 is for metals. There are no rinsates in those cooler so they don't require ice. The laboratory should note the issue in the SDG narrative and proceed with the analysis of the samples.

F. Analytical Techniques:

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

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 MYD546 For Arsenic:

If C = 102.43 ppb
Vf = 500 ml
W = 1.25 g
S = 0.991(99.1/100)
DF = 1

$$\text{Concentration (mg/kg)} = 102.43 \times \frac{500}{1.25 \times 0.991} \times 1 / 1000$$

$$= 41.344 \text{ mg/kg}$$

$$= 41 \text{ mg/kg (Reported Result with Signification)}$$

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. Spike sample did meet requirements. Duplicate sample did meet requirements. Serial Dilution did meet requirements.

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

Internal Standard Association for ICP-MS analysis.

Target Analyte	Associated Internal Standard
Antimony	159Tb
Arsenic	89Y
Barium	159Tb
Beryllium	6Li
Cadmium	159Tb
Chromium	45Sc
Cobalt	45Sc
Copper	45Sc
Lead	209Bi
Nickel	45Sc
Selenium	89Y
Silver	159Tb
Thallium	209Bi
Vanadium	45Sc
Zinc	45Sc

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

Signature_____ Name: Nimisha Pandya

Date _____ Title: Document Control Officer

Date: 09/04/2024	**MA:** 3221.1	**Title:** ICP-MS Re-Digestion and Re-Analysis of Soils with Additional Laboratory QC
Method Source: SFAM01.1	**Method:** ICP-MS	
Matrix: Soil/Sediment		

Summary of Modification

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

I. Analyte Modifications **Not applicable** ☒

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

The Laboratory shall:

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

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

The Laboratory shall:

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

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

The Laboratory shall:

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

From: Hairston, Miles (NE) <Miles.Hairston@gdit.com>
Sent: Monday, June 10, 2024 3:37 PM
To: Deepak Parmar; Sohil Jodhani; Mohammad Ahmed
Cc: R9RSCC (R9RSCC@epa.gov); carmon.jamie@epa.gov; Spiegel, Michael (he/him/his)
Subject: Region 09 | Case 51495 | Lab ACE | Issue Samples received at an elevated temperature | FINAL

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon,

Please advise on the issue below.

Issue: The laboratory received samples without ice. The coolers had temperatures 24.2 degrees C, 23.2 degrees C, 23.8 degrees C, 24.1 degrees C, and 26.1 degrees C upon arrival. The laboratory would like to know how to proceed.
Resolution: Per Region 9, Case 51495 is for metals. There are no rinsates in those cooler so they don't require ice. The laboratory should note the issue in the SDG narrative and proceed with the analysis of the samples.

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

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

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

Leave alert: N/A

GENERAL DYNAMICS
information technology

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From: R9RSCC <R9RSCC@epa.gov>
Sent: Monday, June 10, 2024 3:23 PM
To: Hairston, Miles (NE) <Miles.Hairston@gdit.com>
Cc: R9RSCC <R9RSCC@epa.gov>
Subject: RE: Region 09 | Case 51495 | Lab ACE | Issue Samples received at an elevated temperature

This Message Is From an External Sender

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

Hi Miles,

Case 51495 is for metals. The client said there are no rinsates in those cooler so they don't require ice.
Please have the lab proceed with analysis.

Thanks
-Jamie
Jamie Carmon (she/her)
****
Region 9
RSCC (Regional Sample Control Coordinator)
Phone: 510-412-2389
Email: R9RSCC@epa.gov

From: Hairston, Miles (NE) <Miles.Hairston@gdit.com>
Sent: Monday, June 10, 2024 11:35 AM
To: R9RSCC <R9RSCC@epa.gov>; Carmon, Jamie (she/her/hers) <Carmon.Jamie@epa.gov>; Spiegel, Michael (he/him/his) <Spiegel.Michael@epa.gov>
Subject: Region 09 | Case 51495 | Lab ACE | Issue Samples received at an elevated temperature

Caution: This email originated from outside EPA, please exercise additional caution when deciding whether to open attachments or click on provided links.

Good afternoon,

Please advise on the issue below.

Issue: The laboratory received samples without ice. The coolers had temperatures 24.2 degrees C, 23.2 degrees C, 23.8 degrees C, 24.1 degrees C, and 26.1 degrees C upon arrival. The laboratory would like to know how to proceed.

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

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

Leave alert: N/A

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From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Monday, June 10, 2024 1:54 PM
To: Hairston, Miles (NE) <Miles.Hairston@gdit.com>
Cc: Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>; Mohammad Ahmed <mohammad.ahmed@alliancetg.com>
Subject: RE: Region 09 | Case 51495 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

This Message Is From an External Sender

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Good afternoon,

the temperature of the cooler upon arrival is 24.2,23.2,23.8,24.1,26.1 without ice .

Thanks & Regards,

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

From: Hairston, Miles (NE) <Miles.Hairston@gdit.com>
Sent: Monday, June 10, 2024 1:46 PM
To: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Cc: Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>; Mohammad Ahmed <mohammad.ahmed@alliancetg.com>
Subject: Region 09 | Case 51495 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

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Good afternoon,

What was the temperature of the cooler upon arrival?

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

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

Leave alert: N/A

GENERAL DYNAMICS
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From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Monday, June 10, 2024 1:06 PM
To: Hairston, Miles (NE) <Miles.Hairston@gdit.com>
Cc: Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>; Mohammad Ahmed <mohammad.ahmed@alliancetg.com>
Subject: Region 09 | Case 51495 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

This Message Is From an External Sender

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

Good morning ,

Sample received for Case 51495 without ice ,there for lab like to confirm that can lab proceed with the analysis of the sample ?

Thanks & Regards,

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/14/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 14:50
In Date: 06/13/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 07:48
Out Date: 06/14/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB131224

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g)(B)	Dish+Dry Sample Wt(g)(C)	% Solid	Comments
P2826-01	MYD546	1	1.18	8.74	9.92	9.84	99.1	
P2826-02	MYD546D	2	1.18	8.74	9.92	9.84	99.1	
P2826-03	MYD546S	3	1.18	8.74	9.92	9.84	99.1	
P2826-04	MYD5R3	4	1.15	8.30	9.45	9.15	96.4	
P2826-05	MYD5R4	5	1.18	8.64	9.82	9.65	98.0	
P2826-06	MYD5R5	6	1.18	8.48	9.66	9.47	97.8	
P2826-07	MYD5R6	7	1.18	8.32	9.5	9.27	97.2	
P2826-08	MYD5R7	8	1.15	8.43	9.58	9.35	97.3	
P2826-09	MYD5R8	9	1.12	8.48	9.6	9.38	97.4	
P2826-10	MYD5R9	10	1.18	8.58	9.76	9.33	95.0	
P2826-11	MYD5S0	11	1.16	8.50	9.66	9.5	98.1	
P2826-12	MYD5S1	12	1.18	8.44	9.62	9.29	96.1	
P2826-13	MYD5S2	13	1.13	8.80	9.93	9.75	98.0	
P2826-14	MYD5S3	14	1.16	8.58	9.74	9.33	95.2	
P2826-15	MYD5S4	15	1.18	8.49	9.67	9.5	98.0	
P2826-16	MYD5S5	16	1.15	8.50	9.65	9.36	96.6	
P2826-17	MYD5S6	17	1.16	8.46	9.62	9.58	99.5	
P2826-18	MYD5S7	18	1.13	8.45	9.58	9.34	97.2	
P2826-19	MYD5S8	19	1.11	8.53	9.64	9.5	98.4	
P2826-20	MYD5S9	20	1.16	8.49	9.65	9.32	96.1	
P2826-21	MYD5T0	21	1.19	8.48	9.67	9.36	96.3	
P2826-22	MYD5T1	22	1.13	8.45	9.58	9.45	98.5	

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

WORKLIST(Hardcopy Internal Chain)

VB131224

WorkList Name : %1-p2826 **WorkList ID :** 181052 **Department :** Wet-Chemistry **Date :** 06-13-2024 13:07:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2826-01	MYD546	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/05/2024	Chemtech -SO
P2826-02	MYD546D	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/05/2024	Chemtech -SO
P2826-03	MYD546S	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/05/2024	Chemtech -SO
P2826-04	MYD5R3	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/06/2024	Chemtech -SO
P2826-05	MYD5R4	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/06/2024	Chemtech -SO
P2826-06	MYD5R5	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/06/2024	Chemtech -SO
P2826-07	MYD5R6	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/06/2024	Chemtech -SO
P2826-08	MYD5R7	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/06/2024	Chemtech -SO
P2826-09	MYD5R8	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/06/2024	Chemtech -SO
P2826-10	MYD5R9	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/06/2024	Chemtech -SO
P2826-11	MYD5S0	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/06/2024	Chemtech -SO
P2826-12	MYD5S1	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/06/2024	Chemtech -SO
P2826-13	MYD5S2	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/06/2024	Chemtech -SO
P2826-14	MYD5S3	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/06/2024	Chemtech -SO
P2826-15	MYD5S4	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/06/2024	Chemtech -SO
P2826-16	MYD5S5	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/06/2024	Chemtech -SO
P2826-17	MYD5S6	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/06/2024	Chemtech -SO
P2826-18	MYD5S7	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/06/2024	Chemtech -SO
P2826-19	MYD5S8	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/06/2024	Chemtech -SO
P2826-20	MYD5S9	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/06/2024	Chemtech -SO
P2826-21	MYD5T0	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/06/2024	Chemtech -SO

19

Date/Time 06.13.24 14:10

Raw Sample Received by: DD (WC)

Raw Sample Relinquished by: K.C (SM)

Date/Time 06.13.24 15:00

Raw Sample Received by: K.C (SM)

Raw Sample Relinquished by: DD (WC)

WORKLIST(Hardcopy Internal Chain)

WB 13224

WorkList Name : %1-p2826 **WorkList ID :** 181052 **Department :** Wet-Chemistry **Date :** 06-13-2024 13:07:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2826-22	MYD5T1	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/06/2024	Chemtech -SO

20

Date/Time 06-13-24 14:10

Raw Sample Received by: JR (WBC)

Raw Sample Relinquished by: L.C (SM)

Date/Time 06-13-24 15:00

Raw Sample Received by: L.C (SM)

Raw Sample Relinquished by: JR (WBC)

EPA SAMPLE NO.

MYD546

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : 3221.2 SDG No.: MYD5R3

Matrix: SOIL Lab Sample ID: P2826-01

% Solids: 99.1 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.62	J	10/04/2024	1719
7440-38-2	Arsenic	41		10/04/2024	1719
7440-39-3	Barium	120	D	10/04/2024	1839
7440-41-7	Beryllium	0.51		10/04/2024	1719
7440-43-9	Cadmium	0.90		10/04/2024	1719
7440-47-3	Chromium	15		10/04/2024	1719
7440-48-4	Cobalt	15	D	10/04/2024	1839
7440-50-8	Copper	97		10/04/2024	1719
7439-92-1	Lead	41		10/04/2024	1719
7440-02-0	Nickel	17	D	10/04/2024	1839
7782-49-2	Selenium	2.0	U	10/04/2024	1719
7440-22-4	Silver	0.27	J	10/04/2024	1719
7440-28-0	Thallium	0.14	J	10/04/2024	1719
7440-62-2	Vanadium	47	D	10/04/2024	1839
7440-66-6	Zinc	170		10/04/2024	1719

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

Comments:

EPA SAMPLE NO.

MYD5R3

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : 3221.2 SDG No.: MYD5R3

Matrix: SOIL Lab Sample ID: P2826-04

% Solids: 96.4 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.27	J	10/04/2024	1734
7440-38-2	Arsenic	37		10/04/2024	1734
7440-39-3	Barium	260		10/04/2024	1734
7440-41-7	Beryllium	0.86		10/04/2024	1734
7440-43-9	Cadmium	0.27	J	10/04/2024	1734
7440-47-3	Chromium	44		10/04/2024	1734
7440-48-4	Cobalt	23		10/04/2024	1734
7440-50-8	Copper	65		10/04/2024	1734
7439-92-1	Lead	16		10/04/2024	1734
7440-02-0	Nickel	40		10/04/2024	1734
7782-49-2	Selenium	2.0	U	10/04/2024	1734
7440-22-4	Silver	0.14	J	10/04/2024	1734
7440-28-0	Thallium	0.23	J	10/04/2024	1734
7440-62-2	Vanadium	84		10/04/2024	1734
7440-66-6	Zinc	81		10/04/2024	1734

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

Comments:

EPA SAMPLE NO.

MYD5R4

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : 3221.2 SDG No.: MYD5R3

Matrix: SOIL Lab Sample ID: P2826-05

% Solids: 98 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.54	J	10/04/2024	1737
7440-38-2	Arsenic	49		10/04/2024	1737
7440-39-3	Barium	540		10/04/2024	1737
7440-41-7	Beryllium	0.66		10/04/2024	1737
7440-43-9	Cadmium	0.61		10/04/2024	1737
7440-47-3	Chromium	42		10/04/2024	1737
7440-48-4	Cobalt	26		10/04/2024	1737
7440-50-8	Copper	99		10/04/2024	1737
7439-92-1	Lead	31		10/04/2024	1737
7440-02-0	Nickel	39		10/04/2024	1737
7782-49-2	Selenium	1.8	U	10/04/2024	1737
7440-22-4	Silver	0.20	J	10/04/2024	1737
7440-28-0	Thallium	0.18	J	10/04/2024	1737
7440-62-2	Vanadium	110		10/04/2024	1737
7440-66-6	Zinc	130		10/04/2024	1737

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

Comments:

EPA SAMPLE NO.

MYD5R5

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : 3221.2 SDG No.: MYD5R3

Matrix: SOIL Lab Sample ID: P2826-06

% Solids: 97.8 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.66	J	10/04/2024	1740
7440-38-2	Arsenic	68		10/04/2024	1740
7440-39-3	Barium	240		10/04/2024	1740
7440-41-7	Beryllium	0.74		10/04/2024	1740
7440-43-9	Cadmium	0.59		10/04/2024	1740
7440-47-3	Chromium	48		10/04/2024	1740
7440-48-4	Cobalt	30		10/04/2024	1740
7440-50-8	Copper	100		10/04/2024	1740
7439-92-1	Lead	24		10/04/2024	1740
7440-02-0	Nickel	48		10/04/2024	1740
7782-49-2	Selenium	0.33	J	10/04/2024	1740
7440-22-4	Silver	0.25	J	10/04/2024	1740
7440-28-0	Thallium	0.17	J	10/04/2024	1740
7440-62-2	Vanadium	130		10/04/2024	1740
7440-66-6	Zinc	100		10/04/2024	1740

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

Comments:

EPA SAMPLE NO.

MYD5R6

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : 3221.2 SDG No.: MYD5R3

Matrix: SOIL Lab Sample ID: P2826-07

% Solids: 97.2 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.71	J	10/04/2024	1743
7440-38-2	Arsenic	60		10/04/2024	1743
7440-39-3	Barium	190		10/04/2024	1743
7440-41-7	Beryllium	0.68		10/04/2024	1743
7440-43-9	Cadmium	0.38	J	10/04/2024	1743
7440-47-3	Chromium	41		10/04/2024	1743
7440-48-4	Cobalt	24		10/04/2024	1743
7440-50-8	Copper	90		10/04/2024	1743
7439-92-1	Lead	18		10/04/2024	1743
7440-02-0	Nickel	40		10/04/2024	1743
7782-49-2	Selenium	2.1	U	10/04/2024	1743
7440-22-4	Silver	0.18	J	10/04/2024	1743
7440-28-0	Thallium	0.14	J	10/04/2024	1743
7440-62-2	Vanadium	120		10/04/2024	1743
7440-66-6	Zinc	130		10/04/2024	1743

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

Comments:

EPA SAMPLE NO.

MYD5R7

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : 3221.2 SDG No.: MYD5R3

Matrix: SOIL Lab Sample ID: P2826-08

% Solids: 97.3 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.75	J	10/04/2024	1746
7440-38-2	Arsenic	67		10/04/2024	1746
7440-39-3	Barium	230		10/04/2024	1746
7440-41-7	Beryllium	0.67		10/04/2024	1746
7440-43-9	Cadmium	0.97		10/04/2024	1746
7440-47-3	Chromium	43		10/04/2024	1746
7440-48-4	Cobalt	29		10/04/2024	1746
7440-50-8	Copper	160		10/04/2024	1746
7439-92-1	Lead	45		10/04/2024	1746
7440-02-0	Nickel	45		10/04/2024	1746
7782-49-2	Selenium	2.0	U	10/04/2024	1746
7440-22-4	Silver	0.31	J	10/04/2024	1746
7440-28-0	Thallium	0.19	J	10/04/2024	1746
7440-62-2	Vanadium	120		10/04/2024	1746
7440-66-6	Zinc	130		10/04/2024	1746

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

Comments:

EPA SAMPLE NO.

MYD5R8

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : 3221.2 SDG No.: MYD5R3

Matrix: SOIL Lab Sample ID: P2826-09

% Solids: 97.4 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.26	J	10/04/2024	1749
7440-38-2	Arsenic	39		10/04/2024	1749
7440-39-3	Barium	430		10/04/2024	1749
7440-41-7	Beryllium	0.69		10/04/2024	1749
7440-43-9	Cadmium	0.26	J	10/04/2024	1749
7440-47-3	Chromium	37		10/04/2024	1749
7440-48-4	Cobalt	23		10/04/2024	1749
7440-50-8	Copper	59		10/04/2024	1749
7439-92-1	Lead	20		10/04/2024	1749
7440-02-0	Nickel	36		10/04/2024	1749
7782-49-2	Selenium	2.1	U	10/04/2024	1749
7440-22-4	Silver	0.14	J	10/04/2024	1749
7440-28-0	Thallium	0.18	J	10/04/2024	1749
7440-62-2	Vanadium	80		10/04/2024	1749
7440-66-6	Zinc	85		10/04/2024	1749

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

Comments:

EPA SAMPLE NO.

MYD5R9

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : 3221.2 SDG No.: MYD5R3

Matrix: SOIL Lab Sample ID: P2826-10

% Solids: 95 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.32	J	10/04/2024	1759
7440-38-2	Arsenic	68		10/04/2024	1759
7440-39-3	Barium	300		10/04/2024	1759
7440-41-7	Beryllium	0.90		10/04/2024	1759
7440-43-9	Cadmium	0.36	J	10/04/2024	1759
7440-47-3	Chromium	50		10/04/2024	1759
7440-48-4	Cobalt	26		10/04/2024	1759
7440-50-8	Copper	75		10/04/2024	1759
7439-92-1	Lead	13		10/04/2024	1759
7440-02-0	Nickel	46		10/04/2024	1759
7782-49-2	Selenium	0.52	J	10/04/2024	1759
7440-22-4	Silver	0.19	J	10/04/2024	1759
7440-28-0	Thallium	0.19	J	10/04/2024	1759
7440-62-2	Vanadium	130		10/04/2024	1759
7440-66-6	Zinc	87		10/04/2024	1759

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

Comments:

EPA SAMPLE NO.

MYD5S0

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : 3221.2 SDG No.: MYD5R3

Matrix: SOIL Lab Sample ID: P2826-11

% Solids: 98.1 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.58	J	10/04/2024	1802
7440-38-2	Arsenic	46		10/04/2024	1802
7440-39-3	Barium	610		10/04/2024	1802
7440-41-7	Beryllium	0.70		10/04/2024	1802
7440-43-9	Cadmium	0.51		10/04/2024	1802
7440-47-3	Chromium	40		10/04/2024	1802
7440-48-4	Cobalt	28		10/04/2024	1802
7440-50-8	Copper	89		10/04/2024	1802
7439-92-1	Lead	35		10/04/2024	1802
7440-02-0	Nickel	38		10/04/2024	1802
7782-49-2	Selenium	2.1	U	10/04/2024	1802
7440-22-4	Silver	0.18	J	10/04/2024	1802
7440-28-0	Thallium	0.19	J	10/04/2024	1802
7440-62-2	Vanadium	100		10/04/2024	1802
7440-66-6	Zinc	120		10/04/2024	1802

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

Comments:

EPA SAMPLE NO.

MYD5S1

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : 3221.2 SDG No.: MYD5R3

Matrix: SOIL Lab Sample ID: P2826-12

% Solids: 96.1 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.37	J	10/04/2024	1805
7440-38-2	Arsenic	55		10/04/2024	1805
7440-39-3	Barium	230		10/04/2024	1805
7440-41-7	Beryllium	0.73		10/04/2024	1805
7440-43-9	Cadmium	0.38	J	10/04/2024	1805
7440-47-3	Chromium	46		10/04/2024	1805
7440-48-4	Cobalt	24		10/04/2024	1805
7440-50-8	Copper	91		10/04/2024	1805
7439-92-1	Lead	22		10/04/2024	1805
7440-02-0	Nickel	44		10/04/2024	1805
7782-49-2	Selenium	0.45	J	10/04/2024	1805
7440-22-4	Silver	0.18	J	10/04/2024	1805
7440-28-0	Thallium	0.18	J	10/04/2024	1805
7440-62-2	Vanadium	110		10/04/2024	1805
7440-66-6	Zinc	120		10/04/2024	1805

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

Comments:

EPA SAMPLE NO.

MYD5S2

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : 3221.2 SDG No.: MYD5R3

Matrix: SOIL Lab Sample ID: P2826-13

% Solids: 98 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.24	J	10/04/2024	1808
7440-38-2	Arsenic	64		10/04/2024	1808
7440-39-3	Barium	270		10/04/2024	1808
7440-41-7	Beryllium	0.92		10/04/2024	1808
7440-43-9	Cadmium	0.27	J	10/04/2024	1808
7440-47-3	Chromium	54		10/04/2024	1808
7440-48-4	Cobalt	27		10/04/2024	1808
7440-50-8	Copper	72		10/04/2024	1808
7439-92-1	Lead	11		10/04/2024	1808
7440-02-0	Nickel	49		10/04/2024	1808
7782-49-2	Selenium	0.39	J	10/04/2024	1808
7440-22-4	Silver	0.17	J	10/04/2024	1808
7440-28-0	Thallium	0.17	J	10/04/2024	1808
7440-62-2	Vanadium	120		10/04/2024	1808
7440-66-6	Zinc	82		10/04/2024	1808

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

Comments:

EPA SAMPLE NO.

MYD5S3

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : 3221.2 SDG No.: MYD5R3

Matrix: SOIL Lab Sample ID: P2826-14

% Solids: 95.2 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.37	J	10/04/2024	1811
7440-38-2	Arsenic	48		10/04/2024	1811
7440-39-3	Barium	350		10/04/2024	1811
7440-41-7	Beryllium	0.76		10/04/2024	1811
7440-43-9	Cadmium	0.53		10/04/2024	1811
7440-47-3	Chromium	45		10/04/2024	1811
7440-48-4	Cobalt	24		10/04/2024	1811
7440-50-8	Copper	95		10/04/2024	1811
7439-92-1	Lead	27		10/04/2024	1811
7440-02-0	Nickel	41		10/04/2024	1811
7782-49-2	Selenium	0.39	J	10/04/2024	1811
7440-22-4	Silver	0.29	J	10/04/2024	1811
7440-28-0	Thallium	0.21	J	10/04/2024	1811
7440-62-2	Vanadium	89		10/04/2024	1811
7440-66-6	Zinc	110		10/04/2024	1811

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

Comments:

EPA SAMPLE NO.

MYD5S4

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : 3221.2 SDG No.: MYD5R3

Matrix: SOIL Lab Sample ID: P2826-15

% Solids: 98 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.45	J	10/04/2024	1814
7440-38-2	Arsenic	46		10/04/2024	1814
7440-39-3	Barium	460		10/04/2024	1814
7440-41-7	Beryllium	0.64		10/04/2024	1814
7440-43-9	Cadmium	0.50		10/04/2024	1814
7440-47-3	Chromium	41		10/04/2024	1814
7440-48-4	Cobalt	27		10/04/2024	1814
7440-50-8	Copper	98		10/04/2024	1814
7439-92-1	Lead	30		10/04/2024	1814
7440-02-0	Nickel	40		10/04/2024	1814
7782-49-2	Selenium	0.39	J	10/04/2024	1814
7440-22-4	Silver	0.18	J	10/04/2024	1814
7440-28-0	Thallium	0.16	J	10/04/2024	1814
7440-62-2	Vanadium	110		10/04/2024	1814
7440-66-6	Zinc	130		10/04/2024	1814

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

Comments:

EPA SAMPLE NO.

MYD5S5

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : 3221.2 SDG No.: MYD5R3

Matrix: SOIL Lab Sample ID: P2826-16

% Solids: 96.6 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.30	J	10/04/2024	1817
7440-38-2	Arsenic	56		10/04/2024	1817
7440-39-3	Barium	280		10/04/2024	1817
7440-41-7	Beryllium	0.80		10/04/2024	1817
7440-43-9	Cadmium	0.49		10/04/2024	1817
7440-47-3	Chromium	51		10/04/2024	1817
7440-48-4	Cobalt	25		10/04/2024	1817
7440-50-8	Copper	89		10/04/2024	1817
7439-92-1	Lead	22		10/04/2024	1817
7440-02-0	Nickel	49		10/04/2024	1817
7782-49-2	Selenium	0.35	J	10/04/2024	1817
7440-22-4	Silver	0.21	J	10/04/2024	1817
7440-28-0	Thallium	0.18	J	10/04/2024	1817
7440-62-2	Vanadium	110		10/04/2024	1817
7440-66-6	Zinc	100		10/04/2024	1817

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

Comments:

EPA SAMPLE NO.

MYD5S6

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : 3221.2 SDG No.: MYD5R3

Matrix: SOIL Lab Sample ID: P2826-17

% Solids: 99.5 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.45	J	10/04/2024	1820
7440-38-2	Arsenic	25		10/04/2024	1820
7440-39-3	Barium	490		10/04/2024	1820
7440-41-7	Beryllium	0.55		10/04/2024	1820
7440-43-9	Cadmium	0.17	J	10/04/2024	1820
7440-47-3	Chromium	26		10/04/2024	1820
7440-48-4	Cobalt	16		10/04/2024	1820
7440-50-8	Copper	50		10/04/2024	1820
7439-92-1	Lead	14		10/04/2024	1820
7440-02-0	Nickel	37		10/04/2024	1820
7782-49-2	Selenium	1.9	U	10/04/2024	1820
7440-22-4	Silver	0.17	J	10/04/2024	1820
7440-28-0	Thallium	0.11	J	10/04/2024	1820
7440-62-2	Vanadium	53		10/04/2024	1820
7440-66-6	Zinc	57		10/04/2024	1820

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

Comments:

EPA SAMPLE NO.

MYD5S7

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : 3221.2 SDG No.: MYD5R3

Matrix: SOIL Lab Sample ID: P2826-18

% Solids: 97.2 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.68	J	10/04/2024	1823
7440-38-2	Arsenic	53		10/04/2024	1823
7440-39-3	Barium	240		10/04/2024	1823
7440-41-7	Beryllium	0.77		10/04/2024	1823
7440-43-9	Cadmium	0.45		10/04/2024	1823
7440-47-3	Chromium	40		10/04/2024	1823
7440-48-4	Cobalt	26		10/04/2024	1823
7440-50-8	Copper	99		10/04/2024	1823
7439-92-1	Lead	22		10/04/2024	1823
7440-02-0	Nickel	42		10/04/2024	1823
7782-49-2	Selenium	0.38	J	10/04/2024	1823
7440-22-4	Silver	0.21	J	10/04/2024	1823
7440-28-0	Thallium	0.16	J	10/04/2024	1823
7440-62-2	Vanadium	100		10/04/2024	1823
7440-66-6	Zinc	190		10/04/2024	1823

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

Comments:

EPA SAMPLE NO.

MYD5S8

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : 3221.2 SDG No.: MYD5R3

Matrix: SOIL Lab Sample ID: P2826-19

% Solids: 98.4 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.53	J	10/04/2024	1826
7440-38-2	Arsenic	53		10/04/2024	1826
7440-39-3	Barium	240		10/04/2024	1826
7440-41-7	Beryllium	0.47		10/04/2024	1826
7440-43-9	Cadmium	0.93		10/04/2024	1826
7440-47-3	Chromium	68		10/04/2024	1826
7440-48-4	Cobalt	29		10/04/2024	1826
7440-50-8	Copper	120		10/04/2024	1826
7439-92-1	Lead	41		10/04/2024	1826
7440-02-0	Nickel	50		10/04/2024	1826
7782-49-2	Selenium	0.46	J	10/04/2024	1826
7440-22-4	Silver	0.30	J	10/04/2024	1826
7440-28-0	Thallium	0.11	J	10/04/2024	1826
7440-62-2	Vanadium	110		10/04/2024	1826
7440-66-6	Zinc	150		10/04/2024	1826

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

Comments:

EPA SAMPLE NO.

MYD5S9

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : 3221.2 SDG No.: MYD5R3

Matrix: SOIL Lab Sample ID: P2826-20

% Solids: 96.1 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.37	J	10/04/2024	1829
7440-38-2	Arsenic	55		10/04/2024	1829
7440-39-3	Barium	390		10/04/2024	1829
7440-41-7	Beryllium	0.98		10/04/2024	1829
7440-43-9	Cadmium	0.19	J	10/04/2024	1829
7440-47-3	Chromium	43		10/04/2024	1829
7440-48-4	Cobalt	26		10/04/2024	1829
7440-50-8	Copper	58		10/04/2024	1829
7439-92-1	Lead	16		10/04/2024	1829
7440-02-0	Nickel	38		10/04/2024	1829
7782-49-2	Selenium	2.1	U	10/04/2024	1829
7440-22-4	Silver	0.21	J	10/04/2024	1829
7440-28-0	Thallium	0.16	J	10/04/2024	1829
7440-62-2	Vanadium	87		10/04/2024	1829
7440-66-6	Zinc	100		10/04/2024	1829

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

Comments:

EPA SAMPLE NO.

MYD5T0

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : 3221.2 SDG No.: MYD5R3

Matrix: SOIL Lab Sample ID: P2826-21

% Solids: 96.3 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.34	J	10/04/2024	1833
7440-38-2	Arsenic	54		10/04/2024	1833
7440-39-3	Barium	230		10/04/2024	1833
7440-41-7	Beryllium	0.80		10/04/2024	1833
7440-43-9	Cadmium	0.35	J	10/04/2024	1833
7440-47-3	Chromium	41		10/04/2024	1833
7440-48-4	Cobalt	22		10/04/2024	1833
7440-50-8	Copper	85		10/04/2024	1833
7439-92-1	Lead	19		10/04/2024	1833
7440-02-0	Nickel	40		10/04/2024	1833
7782-49-2	Selenium	0.47	J	10/04/2024	1833
7440-22-4	Silver	0.22	J	10/04/2024	1833
7440-28-0	Thallium	0.14	J	10/04/2024	1833
7440-62-2	Vanadium	98		10/04/2024	1833
7440-66-6	Zinc	150		10/04/2024	1833

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

Comments:

EPA SAMPLE NO.

MYD5T1

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : 3221.2 SDG No.: MYD5R3

Matrix: SOIL Lab Sample ID: P2826-22

% Solids: 98.5 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.54	J	10/04/2024	1836
7440-38-2	Arsenic	50		10/04/2024	1836
7440-39-3	Barium	330		10/04/2024	1836
7440-41-7	Beryllium	0.49		10/04/2024	1836
7440-43-9	Cadmium	0.76		10/04/2024	1836
7440-47-3	Chromium	40		10/04/2024	1836
7440-48-4	Cobalt	24		10/04/2024	1836
7440-50-8	Copper	120		10/04/2024	1836
7439-92-1	Lead	39		10/04/2024	1836
7440-02-0	Nickel	37		10/04/2024	1836
7782-49-2	Selenium	0.30	J	10/04/2024	1836
7440-22-4	Silver	0.19	J	10/04/2024	1836
7440-28-0	Thallium	0.15	J	10/04/2024	1836
7440-62-2	Vanadium	110		10/04/2024	1836
7440-66-6	Zinc	130		10/04/2024	1836

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

Comments:

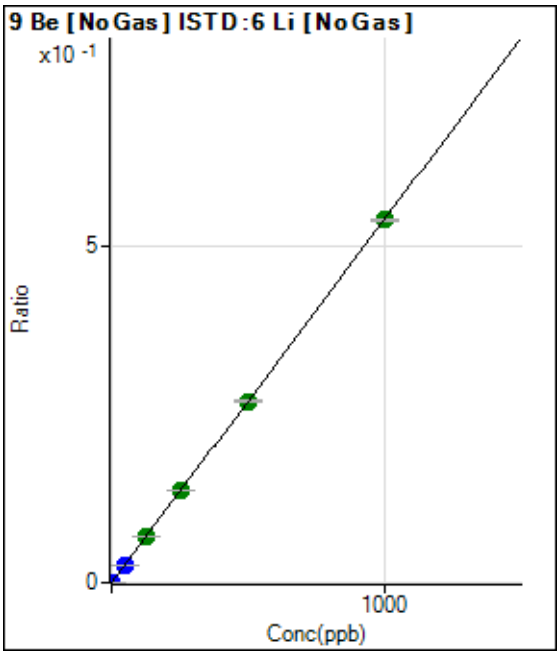
Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

Calibration for 127AREF.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P1004424-MS.b\
Analysis File: P1004424-MS.batch.bin
DA Date-Time: 2024-10-06 23:35:38
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2024-10-04 14:01:24
2	005CALS.d	S02	2024-10-04 14:04:42
3	006CALS.d	S03	2024-10-04 14:08:03
4	007CALS.d	S04	2024-10-04 14:11:04
5	008CALS.d	S05	2024-10-04 14:14:09
6	009CALS.d	S06	2024-10-04 14:17:10
7	010CALS.d	S07	2024-10-04 14:20:14
8	011CALS.d	S08	2024-10-04 14:23:16

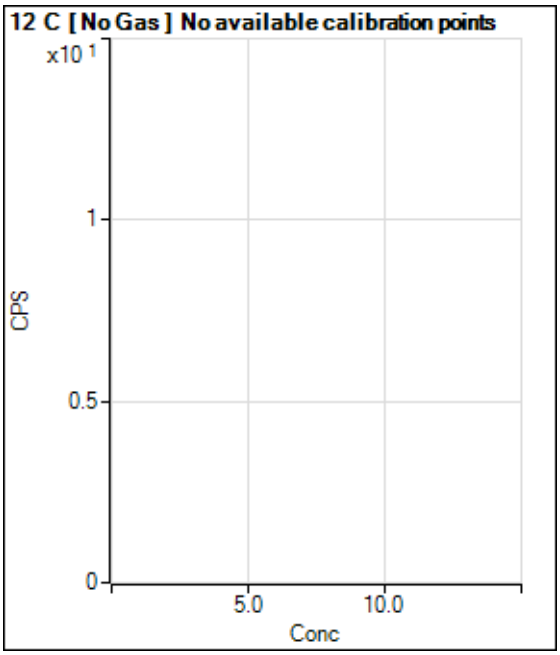
Reviewed By:mohan
On:10/12/2024
12:41:01 AM
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	211.71	0.0000	P	7.8
2	☐	1.000	0.909	9779.67	0.0005	P	2.7
3	☐	50.000	49.795	528088.70	0.0270	P	1.7
4	☐	125.000	127.551	1321546.95	0.0690	A	2.3
5	☐	250.000	254.205	2603212.80	0.1375	A	1.9
6	☐	500.000	500.058	5091722.73	0.2706	A	0.8
7	☐	1000.000	998.612	10116750.91	0.5403	A	0.8
8	☐			1628.44	0.0001	P	10.6

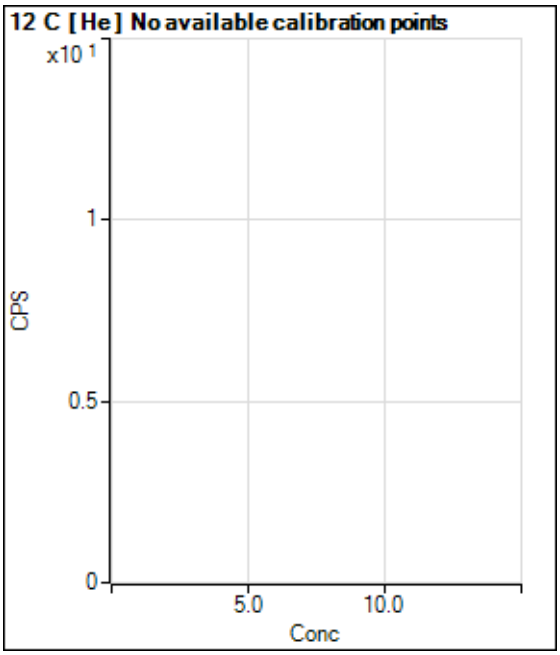
y = 5.4104E-004 * x + 1.0939E-005
R = 1.0000
DL = 0.004715
BEC = 0.02022

Weight: <None>
Min Conc: 0

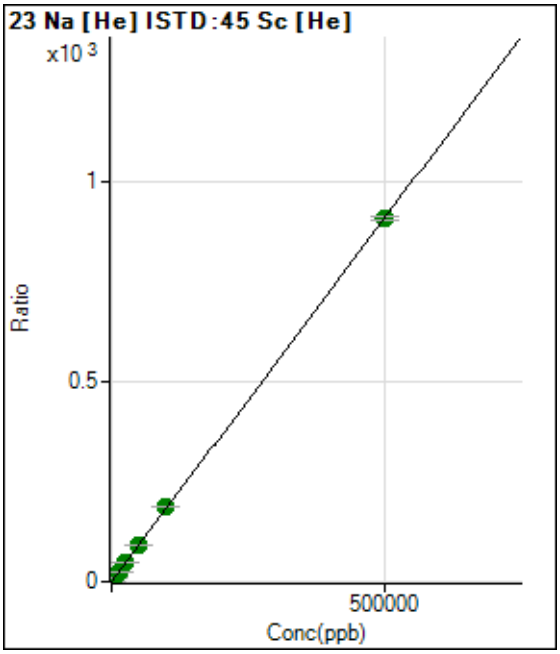


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			4376463.55		A	1.2
2	☐			4407042.64		A	1.6
3	☐			4740051.42		A	0.8
4	☐			4758871.87		A	1.1
5	☐			4981292.63		A	1.1
6	☐			5615841.86		A	1.6
7	☐			6997918.37		A	4.2
8	☐			5569492.90		A	0.8

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			42337.43		P	1.0
2	☐			43242.29		P	0.3
3	☐			47001.52		P	1.3
4	☐			47637.94		P	0.6
5	☐			51029.28		P	1.4
6	☐			58800.32		P	0.4
7	☐			74248.38		P	0.4
8	☐			74567.78		P	0.7

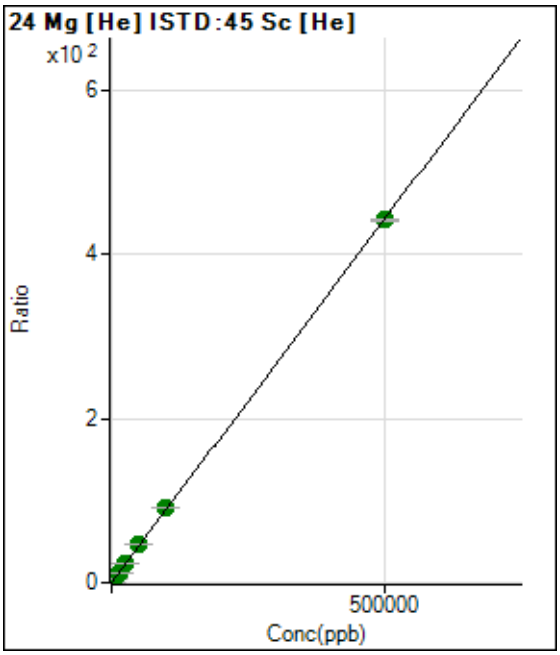


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25789.49	0.0364	P	0.9
2	☐	500.000	494.233	660341.06	0.9362	P	0.5
3	☐	5000.000	5136.936	6618939.07	9.3890	A	1.3
4	☐	12500.000	12818.790	16557460.73	23.3751	A	0.3
5	☐	25000.000	26075.807	33294588.12	47.5117	A	0.2
6	☐	50000.000	51216.287	64917965.70	93.2842	A	0.5
7	☐	100000.00	103180.69	131054315.82	187.8941	A	1.9
8	☐	500000.00	499179.10	593712844.48	908.8752	A	0.9

y = 0.0018 * x + 0.0364
R = 1.0000
DL = 0.5476
BEC = 19.98

Weight: <None>
Min Conc: 0

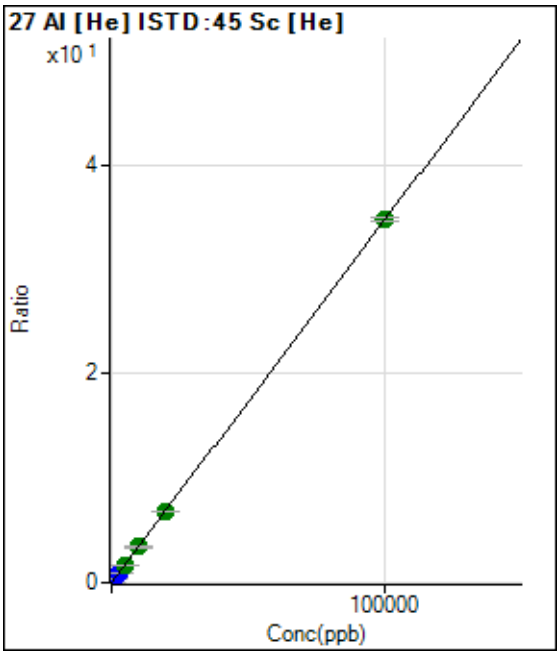
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On:10/12/2024
12:41:01 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	751.14	0.0011	P	10.4
2	☐	500.000	546.502	342338.35	0.4854	P	0.3
3	☐	5000.000	5277.570	3297781.34	4.6779	A	1.2
4	☐	12500.000	12894.612	8094923.00	11.4279	A	1.0
5	☐	25000.000	26342.258	16359049.62	23.3448	A	1.2
6	☐	50000.000	51839.149	31970045.08	45.9394	A	0.8
7	☐	100000.00	102982.97	63653390.16	91.2616	A	1.4
8	☐	500000.00	499139.68	288939517.92	442.3241	A	0.4

y = 8.8617E-004 * x + 0.0011
R = 1.0000
DL = 0.3733
BEC = 1.196

Weight: <None>
Min Conc: 0

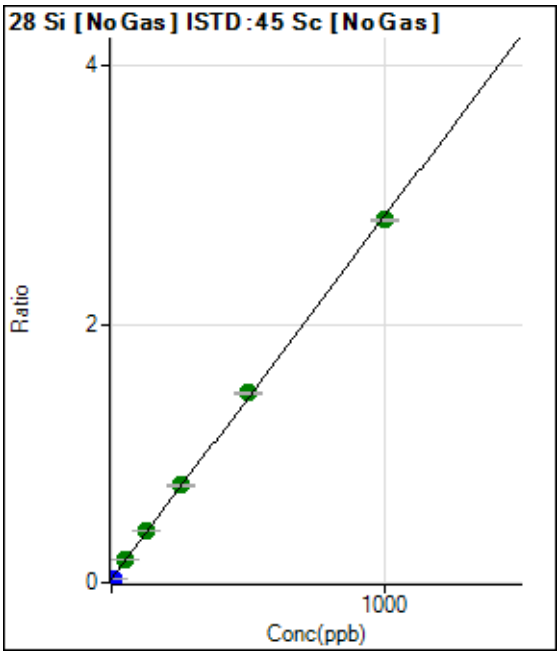


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	301.12	0.0004	P	8.6
2	☐	20.000	18.332	4789.74	0.0068	P	1.9
3	☐	1000.000	980.829	240390.85	0.3410	P	0.5
4	☐	2500.000	2415.295	594385.15	0.8391	P	0.4
5	☐	5000.000	4913.481	1195944.88	1.7066	A	0.9
6	☐	10000.000	9831.260	2376022.27	3.4143	A	1.1
7	☐	20000.000	19509.142	4725390.03	6.7748	A	0.8
8	☐	100000.00	100121.68	22710579.66	34.7670	A	0.9

y = 3.4724E-004 * x + 4.2479E-004
R = 1.0000
DL = 0.3149
BEC = 1.223

Weight: <None>
Min Conc: 0

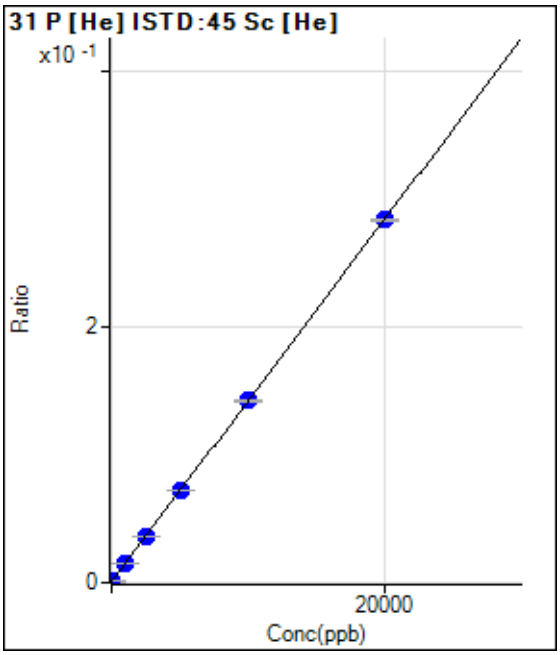
Reviewed By:mohan
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	750333.20	0.0297	P	0.7
2	☐	10.000	1.836	904737.70	0.0349	P	0.9
3	☐	50.000	52.868	4566061.22	0.1779	A	0.7
4	☐	125.000	131.736	10209658.25	0.3990	A	2.1
5	☐	250.000	259.371	19328027.91	0.7568	A	2.2
6	☐	500.000	512.775	37157292.50	1.4671	A	1.2
7	☐	1000.000	990.366	71530685.60	2.8058	A	0.6
8	☐			1135348.60	0.0541	A	3.6

y = 0.0028 * x + 0.0297
R = 0.9997
DL = 0.2236
BEC = 10.61

Weight: <None>
Min Conc: 0

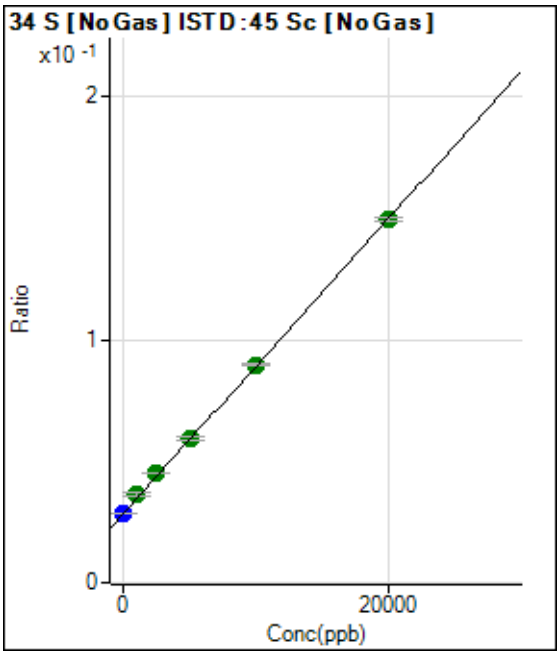


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-15.776	331.12	0.0005	P	5.2
2	☐	0.000	15.776	644.46	0.0009	P	6.6
3	☐	1000.000	1023.792	10704.02	0.0152	P	1.5
4	☐	2500.000	2515.926	25719.50	0.0363	P	1.1
5	☐	5000.000	5086.695	50948.07	0.0727	P	0.4
6	☐	10000.000	9989.369	98898.37	0.1421	P	0.6
7	☐	20000.000	19980.461	197779.07	0.2836	P	0.6
8	☐			398.90	0.0006	P	5.0

y = 1.4157E-005 * x + 6.9048E-004
R = 1.0000
DL = 8.97
BEC = 48.77

Weight: <None>
Min Conc: 0

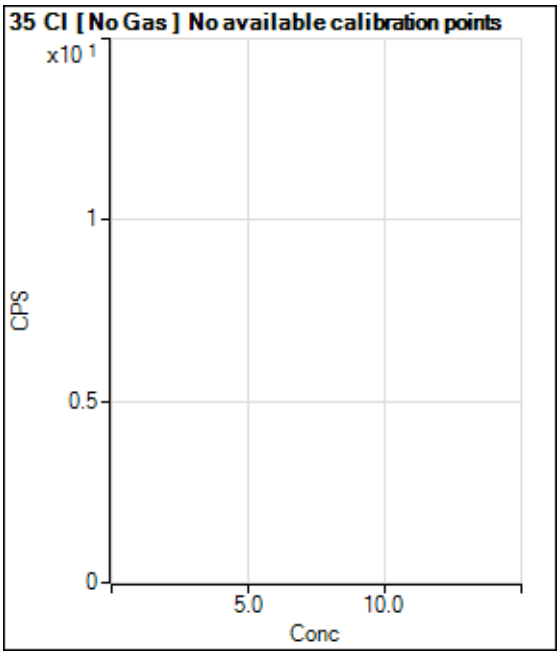
Reviewed By:mohan
On:10/12/2024
12:41:01 AM
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	34.480	725596.82	0.0288	P	0.7
2	☐	0.000	-34.480	735021.67	0.0283	P	0.7
3	☐	1000.000	1276.222	931511.70	0.0363	A	2.9
4	☐	2500.000	2747.666	1157558.96	0.0452	A	0.9
5	☐	5000.000	5083.140	1517411.85	0.0594	A	2.3
6	☐	10000.000	10071.849	2271710.09	0.0897	A	0.9
7	☐	20000.000	19898.521	3807300.78	0.1493	A	1.1
8	☐			592628.18	0.0283	P	1.2

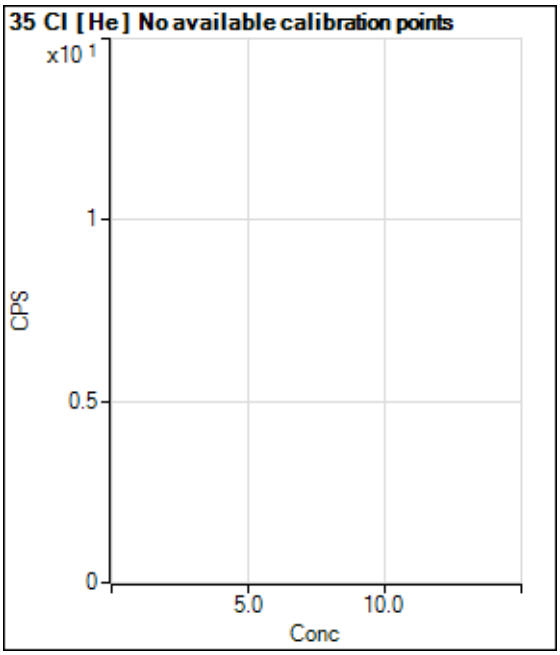
y = 6.0700E-006 * x + 0.0286
R = 0.9999
DL = 101.1
BEC = 4705

Weight: <None>
Min Conc: 0

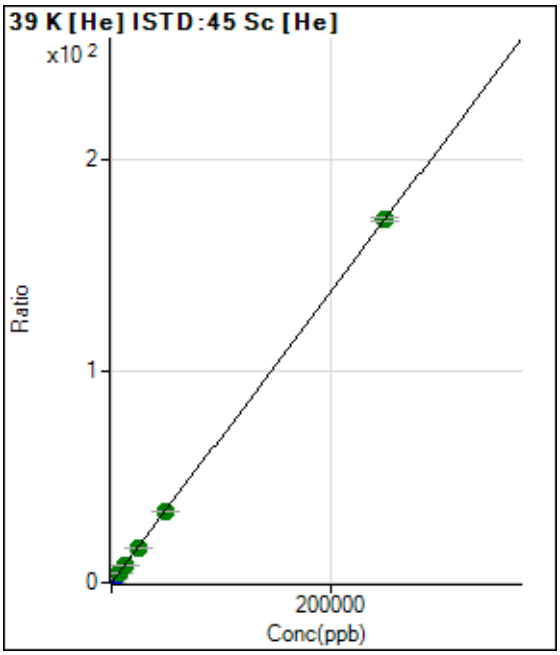


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			183983.91		P	0.6
2	☐			186379.60		P	0.4
3	☐			196654.43		P	0.2
4	☐			202687.45		P	0.4
5	☐			206990.18		P	0.5
6	☐			233752.74		P	1.0
7	☐			285386.05		P	2.0
8	☐			206342.02		P	0.7

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			843.37		P	6.7
2	☐			930.04		P	7.5
3	☐			942.26		P	7.0
4	☐			974.48		P	2.8
5	☐			1058.94		P	3.4
6	☐			1140.06		P	9.1
7	☐			1617.88		P	4.3
8	☐			1283.41		P	3.2

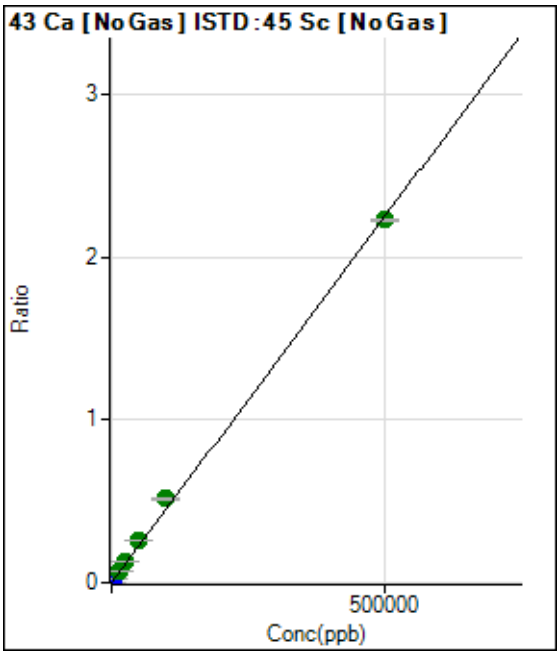


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	17845.62	0.0252	P	1.7
2	☐	500.000	459.782	239516.47	0.3396	P	0.1
3	☐	2500.000	2364.755	1157669.60	1.6422	P	0.3
4	☐	6250.000	6033.704	2940353.98	4.1511	A	0.8
5	☐	12500.000	12185.454	5856702.83	8.3577	A	0.9
6	☐	25000.000	24243.331	11554456.63	16.6030	A	0.7
7	☐	50000.000	49161.420	23465206.60	33.6423	A	0.2
8	☐	250000.00	250265.95	111803642.78	171.1597	A	1.1

y = 6.8381E-004 * x + 0.0252
R = 1.0000
DL = 1.872
BEC = 36.82

Weight: <None>
Min Conc: 0

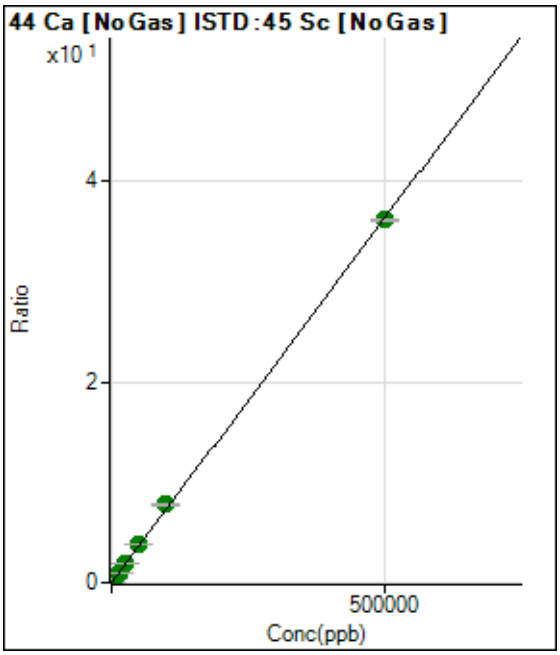
Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	757.81	0.0000	P	10.8
2	☐	500.000	466.687	55140.85	0.0021	P	2.7
3	☐	5000.000	5555.465	641268.92	0.0250	P	0.3
4	☐	12500.000	14627.758	1682479.80	0.0657	A	1.3
5	☐	25000.000	28838.269	3310143.32	0.1296	A	1.0
6	☐	50000.000	56984.479	6485319.83	0.2560	A	0.6
7	☐	100000.00	114460.42	13112036.61	0.5143	A	0.3
8	☐	500000.00	496158.83	46743208.75	2.2291	A	0.4

y = 4.4927E-006 * x + 3.0049E-005
R = 0.9995
DL = 2.161
BEC = 6.688

Weight: <None>
Min Conc: 0

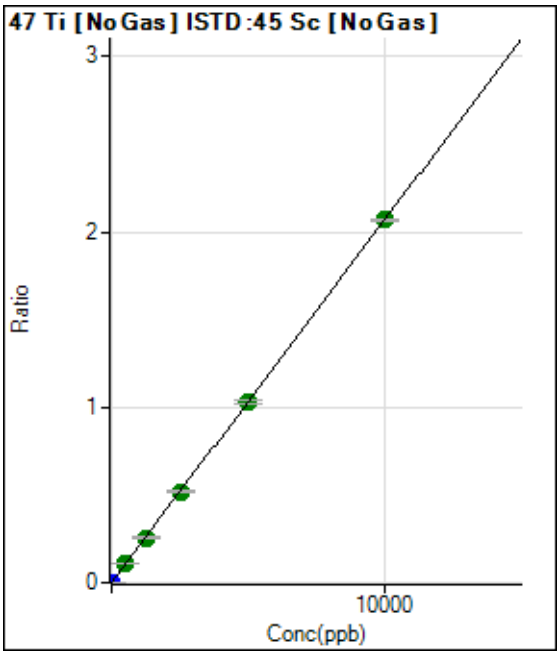


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	17646.48	0.0007	P	2.3
2	☐	500.000	466.863	897447.08	0.0346	P	1.6
3	☐	5000.000	5449.987	10177778.04	0.3966	A	0.1
4	☐	12500.000	13711.364	25506686.84	0.9967	A	0.9
5	☐	25000.000	27017.947	50148568.14	1.9634	A	1.3
6	☐	50000.000	53760.067	98936181.86	3.9060	A	1.1
7	☐	100000.00	107103.65	198370728.16	7.7811	A	1.1
8	☐	500000.00	498067.61	758694548.70	36.1822	A	0.3

y = 7.2644E-005 * x + 6.9952E-004
R = 0.9999
DL = 0.6673
BEC = 9.629

Weight: <None>
Min Conc: 0

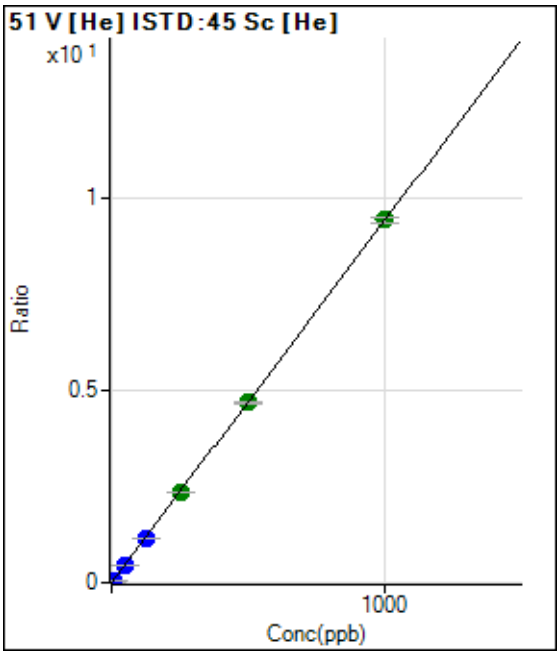
Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	583.36	0.0000	P	4.2
2	☐	5.000	4.464	24523.24	0.0009	P	0.9
3	☐	500.000	507.775	2693870.22	0.1050	A	0.9
4	☐	1250.000	1237.218	6543975.32	0.2557	A	1.7
5	☐	2500.000	2504.711	13223771.75	0.5177	A	1.5
6	☐	5000.000	4988.196	26115472.67	1.0310	A	1.3
7	☐	10000.000	10005.934	52730209.21	2.0682	A	0.5
8	☐			14140.43	0.0007	P	2.9

y = 2.0669E-004 * x + 2.3123E-005
R = 1.0000
DL = 0.01413
BEC = 0.1119

Weight: <None>
Min Conc: 0

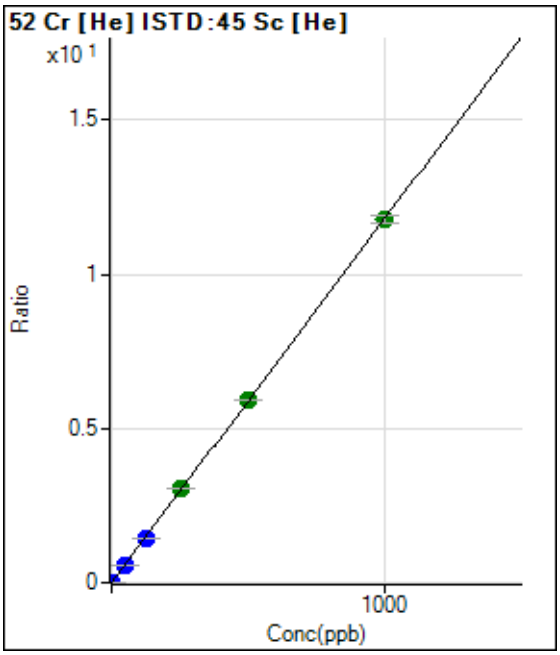


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13.33	0.0000	P	25.3
2	☐	5.000	4.822	31986.83	0.0454	P	1.3
3	☐	50.000	48.347	320386.85	0.4545	P	0.7
4	☐	125.000	121.005	805718.41	1.1375	P	0.4
5	☐	250.000	249.118	1641005.45	2.3418	A	0.3
6	☐	500.000	497.132	3252133.98	4.6731	A	1.0
7	☐	1000.000	1002.237	6571111.85	9.4211	A	1.5
8	☐			1198.95	0.0018	P	8.5

y = 0.0094 * x + 1.8818E-005
R = 1.0000
DL = 0.001517
BEC = 0.002002

Weight: <None>
Min Conc: 0

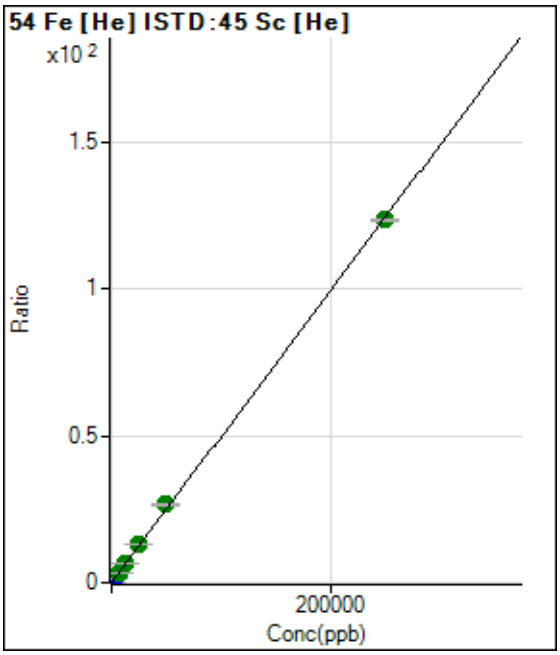
Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1296.74	0.0018	P	4.6
2	☐	2.000	1.973	17695.47	0.0251	P	0.4
3	☐	50.000	49.633	413789.13	0.5870	P	1.2
4	☐	125.000	122.108	1021018.82	1.4414	P	0.5
5	☐	250.000	257.759	2130785.64	3.0407	A	0.8
6	☐	500.000	501.944	4119538.72	5.9196	A	0.5
7	☐	1000.000	997.468	8203510.16	11.7616	A	2.0
8	☐			27381.79	0.0419	P	5.1

y = 0.0118 * x + 0.0018
R = 1.0000
DL = 0.02143
BEC = 0.1552

Weight: <None>
Min Conc: 0

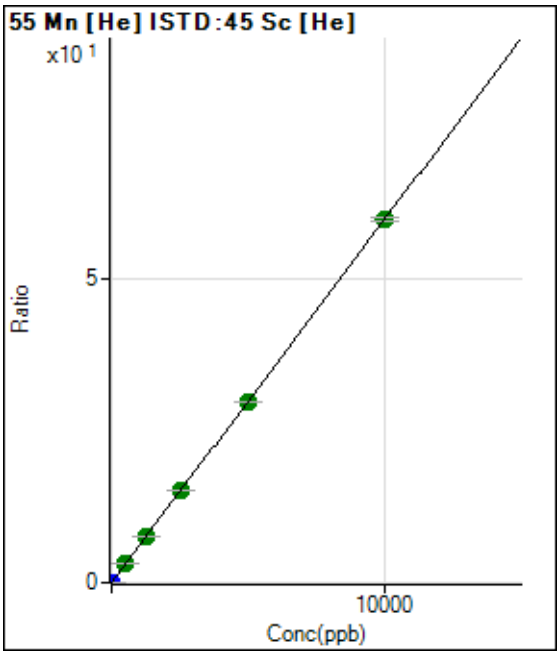


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1134.50	0.0016	P	4.6
2	☐	50.000	54.741	20292.30	0.0288	P	3.5
3	☐	2500.000	2716.866	951785.64	1.3501	P	1.1
4	☐	6250.000	6889.477	2423353.14	3.4212	A	1.0
5	☐	12500.000	13785.912	4796163.12	6.8443	A	0.9
6	☐	25000.000	26872.911	9283473.61	13.3400	A	1.4
7	☐	50000.000	53479.904	18515880.97	26.5465	A	1.0
8	☐	250000.00	249034.27	80745271.02	123.6104	A	0.6

y = 4.9635E-004 * x + 0.0016
R = 0.9999
DL = 0.4481
BEC = 3.225

Weight: <None>
Min Conc: 0

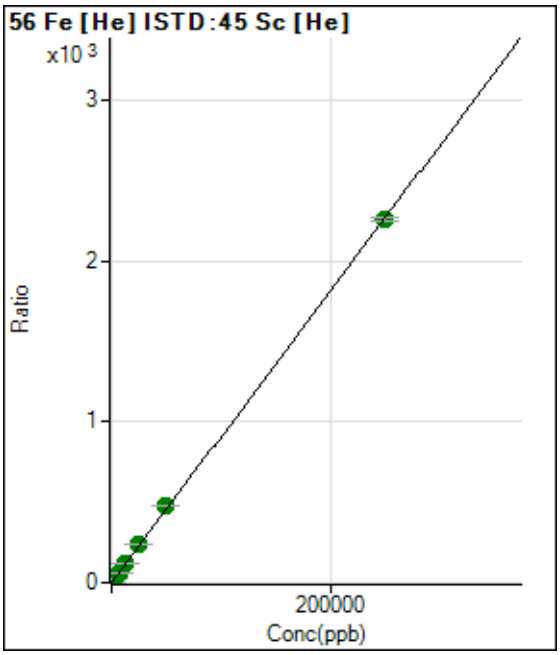
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1132.28	0.0016	P	4.5
2	☐	1.000	0.798	4481.86	0.0064	P	1.7
3	☐	500.000	517.208	2175814.97	3.0865	A	1.6
4	☐	1250.000	1278.455	5402322.28	7.6269	A	1.3
5	☐	2500.000	2529.309	10572813.94	15.0875	A	0.6
6	☐	5000.000	4990.695	20716254.55	29.7683	A	0.5
7	☐	10000.000	9992.908	41572797.71	59.6037	A	1.1
8	☐			17269.54	0.0264	P	0.7

y = 0.0060 * x + 0.0016
R = 1.0000
DL = 0.03591
BEC = 0.2678

Weight: <None>
Min Conc: 0

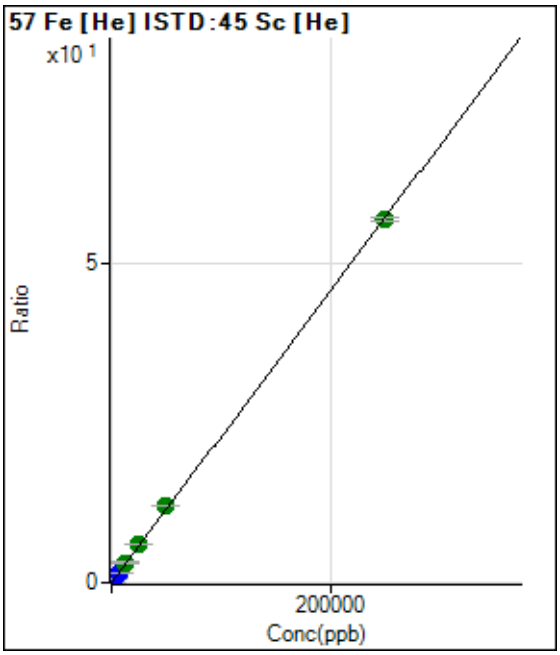


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	11021.02	0.0155	P	2.4
2	☐	50.000	53.672	353590.37	0.5013	P	0.3
3	☐	2500.000	2753.275	17577336.26	24.9345	A	1.0
4	☐	6250.000	6764.565	43378470.74	61.2393	A	0.3
5	☐	12500.000	13481.236	85513588.73	122.0297	A	1.8
6	☐	25000.000	26539.872	167173026.40	240.2190	A	0.5
7	☐	50000.000	52789.875	333260899.48	477.7989	A	0.7
8	☐	250000.00	249223.57	1473447053.6	2,255.654	A	0.9

y = 0.0091 * x + 0.0155
R = 0.9999
DL = 0.126
BEC = 1.718

Weight: <None>
Min Conc: 0

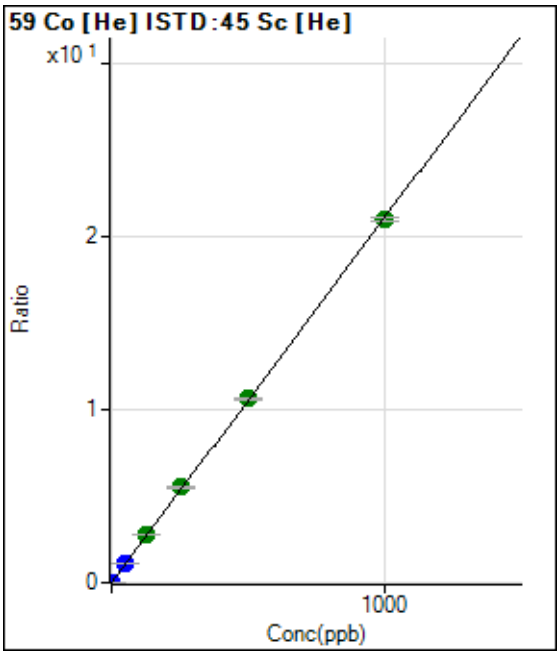
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	362.23	0.0005	P	6.3
2	☐	50.000	53.897	9055.17	0.0128	P	1.9
3	☐	2500.000	2712.862	437769.78	0.6210	P	0.4
4	☐	6250.000	6589.256	1067899.70	1.5076	P	0.8
5	☐	12500.000	13854.309	2220839.07	3.1692	A	1.3
6	☐	25000.000	26826.063	4270239.38	6.1361	A	0.5
7	☐	50000.000	53022.391	8459045.36	12.1277	A	1.1
8	☐	250000.00	249134.58	37223066.67	56.9819	A	1.0

y = 2.2872E-004 * x + 5.1107E-004
R = 0.9999
DL = 0.4194
BEC = 2.234

Weight: <None>
Min Conc: 0

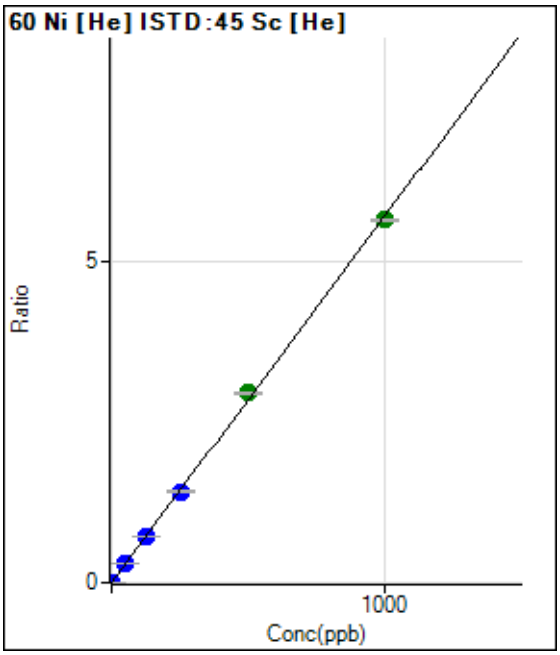


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	204.45	0.0003	P	11.5
2	☐	1.000	1.056	15893.45	0.0225	P	0.8
3	☐	50.000	51.271	761463.47	1.0802	P	0.6
4	☐	125.000	131.839	1967247.35	2.7772	A	1.9
5	☐	250.000	261.121	3854295.81	5.5002	A	1.6
6	☐	500.000	503.882	7386032.11	10.6134	A	1.5
7	☐	1000.000	994.360	14608537.98	20.9441	A	1.1
8	☐			29507.27	0.0452	P	0.9

y = 0.0211 * x + 2.8844E-004
R = 0.9999
DL = 0.004745
BEC = 0.01369

Weight: <None>
Min Conc: 0

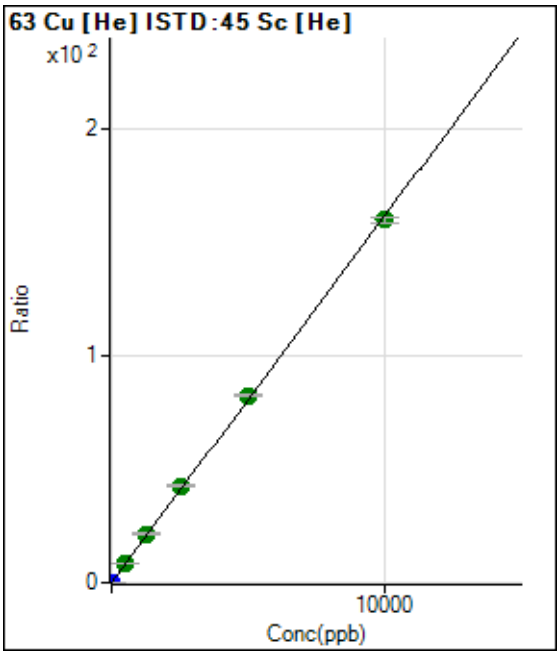
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	438.90	0.0006	P	3.1
2	☐	1.000	1.061	4693.04	0.0067	P	1.3
3	☐	50.000	51.598	207236.12	0.2940	P	0.8
4	☐	125.000	126.166	508542.05	0.7179	P	0.1
5	☐	250.000	249.284	993627.71	1.4179	P	0.4
6	☐	500.000	518.492	2051913.20	2.9485	A	0.6
7	☐	1000.000	990.708	3929183.94	5.6333	A	0.4
8	☐			15936.80	0.0244	P	1.8

y = 0.0057 * x + 6.1920E-004
R = 0.9997
DL = 0.01005
BEC = 0.1089

Weight: <None>
Min Conc: 0

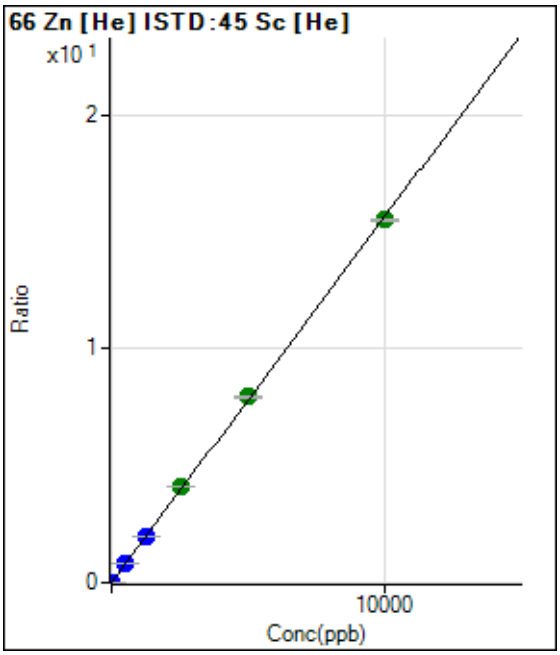


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	7978.99	0.0113	P	2.7
2	☐	2.000	2.003	30745.53	0.0436	P	0.4
3	☐	500.000	540.905	6162287.06	8.7416	A	0.5
4	☐	1250.000	1336.469	15287740.05	21.5822	A	0.8
5	☐	2500.000	2631.167	29767893.44	42.4790	A	1.5
6	☐	5000.000	5109.725	57401724.70	82.4836	A	0.5
7	☐	10000.000	9899.492	111455071.67	159.7918	A	1.3
8	☐			30726.67	0.0470	P	3.0

y = 0.0161 * x + 0.0113
R = 0.9998
DL = 0.05732
BEC = 0.6974

Weight: <None>
Min Conc: 0

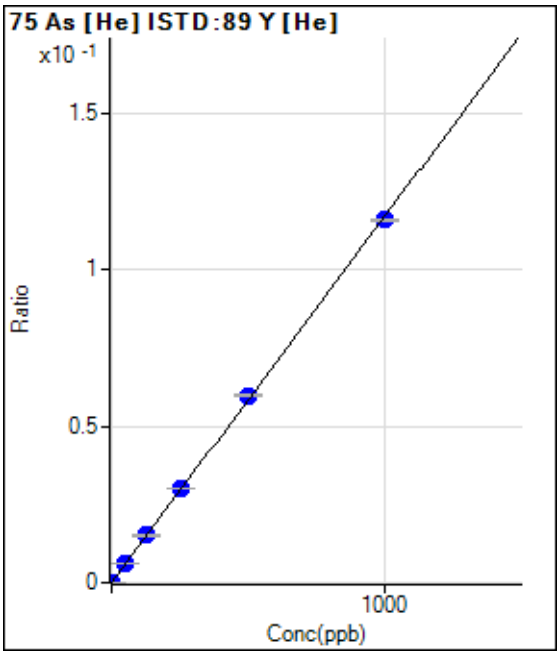
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2418.01	0.0034	P	4.3
2	☐	2.000	5.074	7994.55	0.0113	P	2.1
3	☐	500.000	523.148	578214.90	0.8202	P	0.9
4	☐	1250.000	1283.248	1421659.79	2.0070	P	0.2
5	☐	2500.000	2620.645	2869776.76	4.0952	A	0.6
6	☐	5000.000	5083.123	5525607.07	7.9400	A	0.8
7	☐	10000.000	9922.963	10808974.28	15.4968	A	0.7
8	☐			6609.38	0.0101	P	0.9

y = 0.0016 * x + 0.0034
R = 0.9999
DL = 0.2814
BEC = 2.185

Weight: <None>
Min Conc: 0

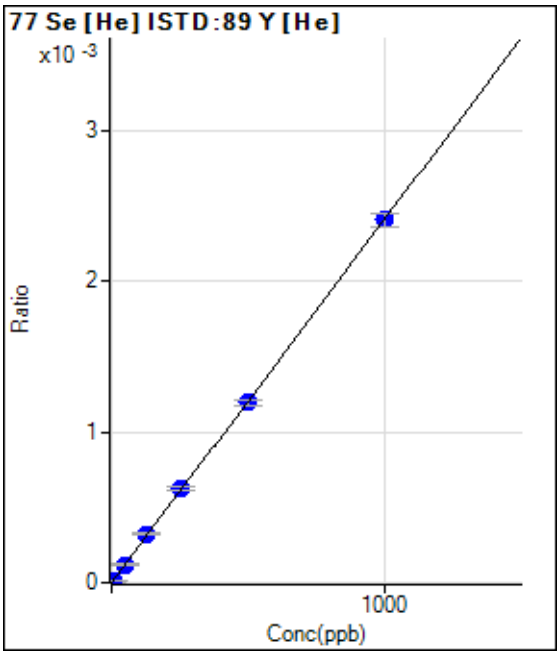


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2.22	0.0000	P	86.6
2	☐	1.000	1.064	635.58	0.0001	P	8.8
3	☐	50.000	51.895	31435.12	0.0061	P	1.5
4	☐	125.000	128.993	77869.27	0.0151	P	1.5
5	☐	250.000	258.282	154541.98	0.0302	P	1.2
6	☐	500.000	511.681	304233.91	0.0599	P	1.0
7	☐	1000.000	991.495	596116.71	0.1160	P	0.7
8	☐			301.12	0.0001	P	0.4

y = 1.1701E-004 * x + 4.3074E-007
R = 0.9999
DL = 0.009566
BEC = 0.003681

Weight: <None>
Min Conc: 0

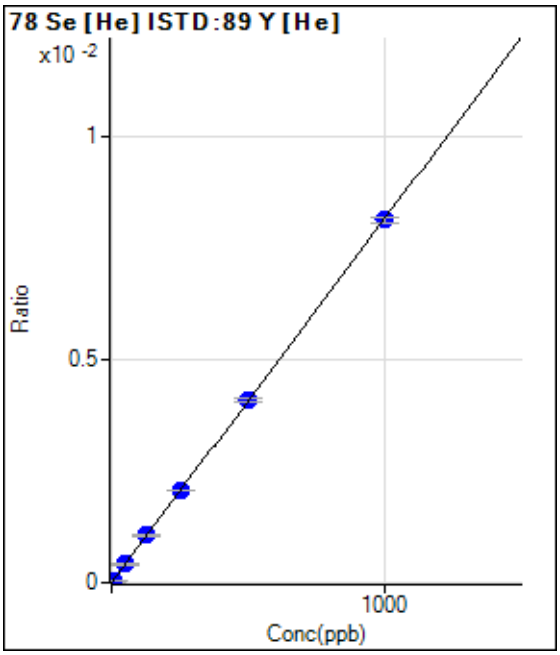
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1.11	0.0000	P	173.2
2	☐	5.000	5.074	63.33	0.0000	P	28.7
3	☐	50.000	49.226	614.46	0.0001	P	6.5
4	☐	125.000	133.095	1654.56	0.0003	P	3.2
5	☐	250.000	258.784	3187.06	0.0006	P	3.3
6	☐	500.000	495.997	6069.13	0.0012	P	2.8
7	☐	1000.000	998.832	12356.61	0.0024	P	3.6
8	☐			5.55	0.0000	P	69.4

y = 2.4077E-006 * x + 2.1774E-007
R = 0.9999
DL = 0.4699
BEC = 0.09044

Weight: <None>
Min Conc: 0

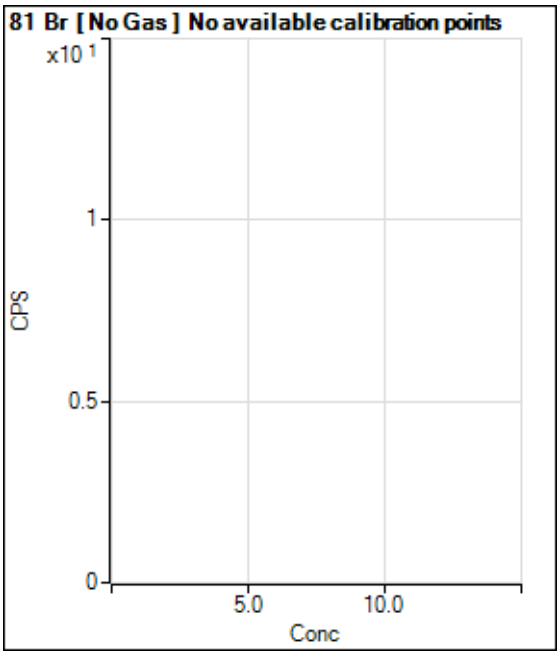


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	20.00	0.0000	P	29.0
2	☐	5.000	5.185	234.45	0.0000	P	17.1
3	☐	50.000	50.342	2142.41	0.0004	P	3.4
4	☐	125.000	130.020	5481.12	0.0011	P	3.5
5	☐	250.000	253.073	10558.49	0.0021	P	1.6
6	☐	500.000	502.010	20792.14	0.0041	P	1.3
7	☐	1000.000	997.581	41756.25	0.0081	P	1.5
8	☐			33.33	0.0000	P	9.6

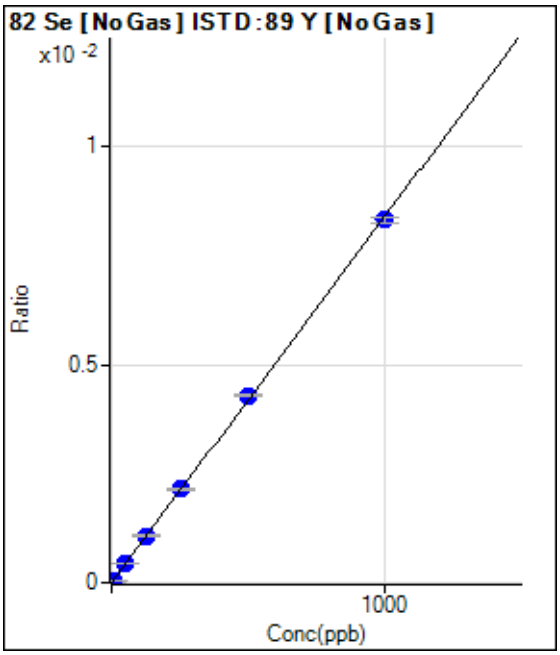
y = 8.1426E-006 * x + 3.8856E-006
R = 1.0000
DL = 0.4157
BEC = 0.4772

Weight: <None>
Min Conc: 0

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			19376.86		P	1.1
2	☐			19564.96		P	3.9
3	☐			19412.46		P	0.3
4	☐			19926.51		P	1.5
5	☐			19628.26		P	1.1
6	☐			19527.07		P	1.3
7	☐			19485.94		P	3.1
8	☐			17566.64		P	1.1



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-21.11	0.0000	P	-169.
2	☐	5.000	5.193	2432.50	0.0000	P	7.9
3	☐	50.000	52.431	24822.47	0.0004	P	0.8
4	☐	125.000	128.562	60519.95	0.0011	P	1.4
5	☐	250.000	255.239	120199.00	0.0021	P	0.4
6	☐	500.000	512.059	237451.37	0.0043	P	0.4
7	☐	1000.000	992.093	462579.76	0.0083	P	1.4
8	☐			-51.11	0.0000	P	-58.5

y = 8.3929E-006 * x - 3.8378E-007

R = 0.9999

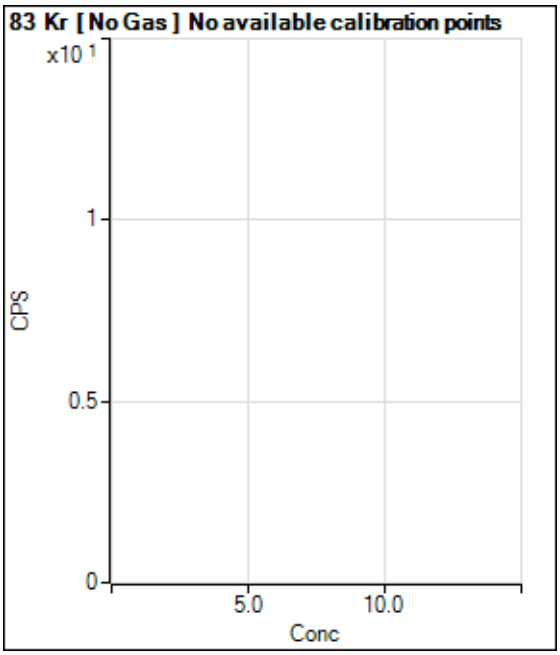
DL = 0.2324

BEC = -0.04573

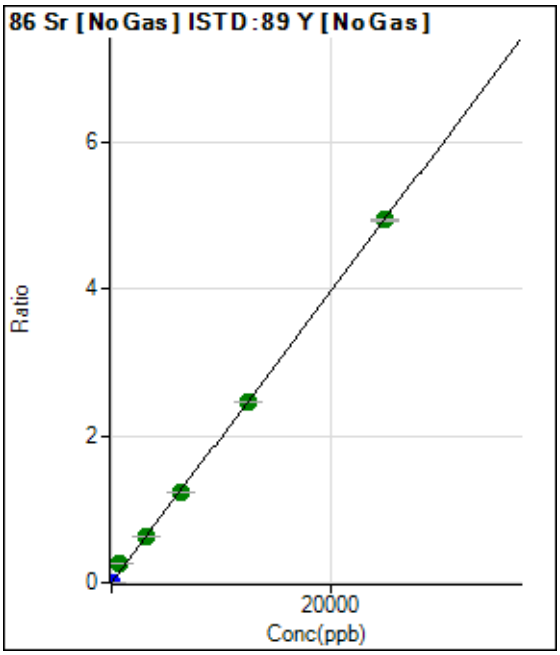
Weight: <None>

Min Conc: 0

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			236.67		P	11.5
2	☐			243.34		P	7.6
3	☐			253.34		P	8.0
4	☐			280.00		P	10.3
5	☐			305.56		P	6.9
6	☐			335.56		P	16.5
7	☐			364.45		P	13.5
8	☐			548.90		P	3.9

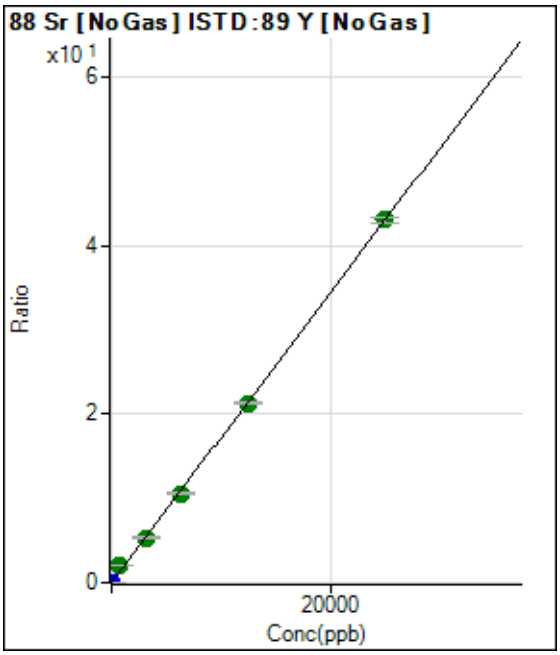


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	506.68	0.0000	P	24.9
2	☐	1.000	0.959	11207.92	0.0002	P	2.3
3	☐	625.000	1260.283	14084936.46	0.2495	A	0.1
4	☐	3125.000	3144.746	34929696.70	0.6225	A	0.9
5	☐	6250.000	6240.970	69332625.08	1.2354	A	0.5
6	☐	12500.000	12492.736	136645607.96	2.4729	A	0.1
7	☐	25000.000	24987.539	274814035.91	4.9463	A	0.8
8	☐			32753.10	0.0007	P	5.4

y = 1.9795E-004 * x + 9.1081E-006
R = 0.9997
DL = 0.03432
BEC = 0.04601

Weight: <None>
Min Conc: 0

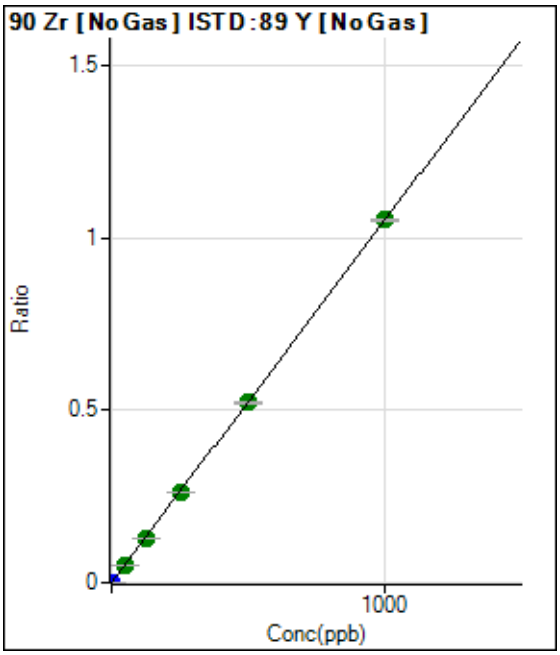
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1202.29	0.0000	P	30.8
2	☐	1.000	0.951	93105.34	0.0017	P	2.5
3	☐	625.000	1242.229	120330958.20	2.1314	A	0.3
4	☐	3125.000	3106.276	299035033.32	5.3296	A	1.5
5	☐	6250.000	6145.863	591748671.18	10.5447	A	1.2
6	☐	12500.000	12377.111	1173402071.4	21.2359	A	1.0
7	☐	25000.000	25074.389	2390194631.0	43.0212	A	1.4
8	☐			273442.88	0.0059	P	2.0

y = 0.0017 * x + 2.1637E-005
R = 0.9996
DL = 0.01166
BEC = 0.01261

Weight: <None>
Min Conc: 0

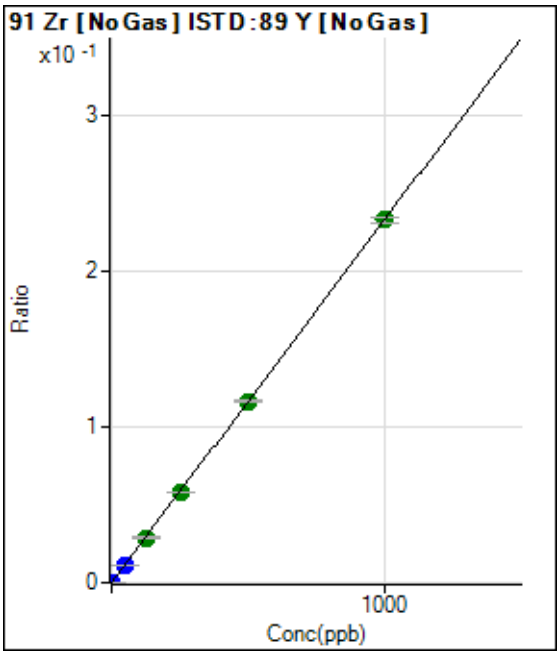


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2845.87	0.0001	P	2.9
2	☐	1.000	0.918	57157.75	0.0010	P	1.7
3	☐	50.000	49.443	2931699.71	0.0519	A	0.4
4	☐	125.000	123.147	7253169.33	0.1293	A	1.1
5	☐	250.000	248.573	14639067.14	0.2609	A	1.0
6	☐	500.000	497.440	28841552.35	0.5220	A	1.0
7	☐	1000.000	1001.896	58409240.24	1.0513	A	0.4
8	☐			28013.96	0.0006	P	0.3

y = 0.0010 * x + 5.1284E-005
R = 1.0000
DL = 0.00427
BEC = 0.04888

Weight: <None>
Min Conc: 0

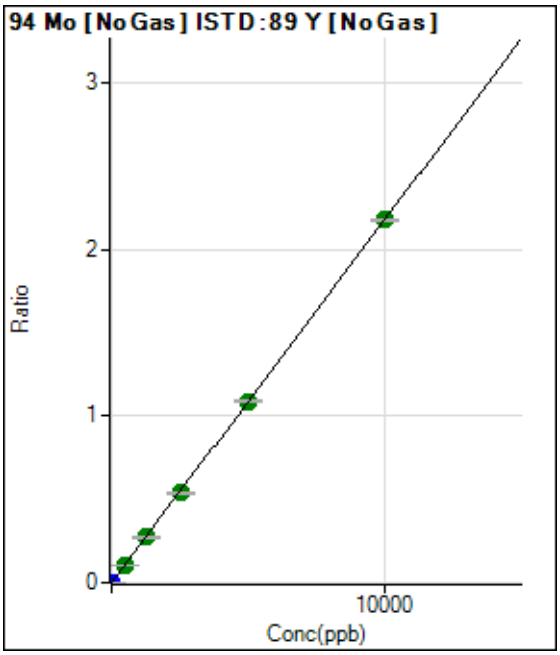
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	445.57	0.0000	P	9.6
2	☐	1.000	0.919	12515.69	0.0002	P	1.5
3	☐	50.000	46.977	618566.52	0.0110	P	0.6
4	☐	125.000	124.049	1622613.86	0.0289	A	1.8
5	☐	250.000	250.073	3271266.58	0.0583	A	0.2
6	☐	500.000	500.567	6446294.83	0.1167	A	1.8
7	☐	1000.000	999.968	12948106.47	0.2331	A	1.5
8	☐			6099.17	0.0001	P	2.7

y = 2.3306E-004 * x + 8.0345E-006
R = 1.0000
DL = 0.009968
BEC = 0.03447

Weight: <None>
Min Conc: 0

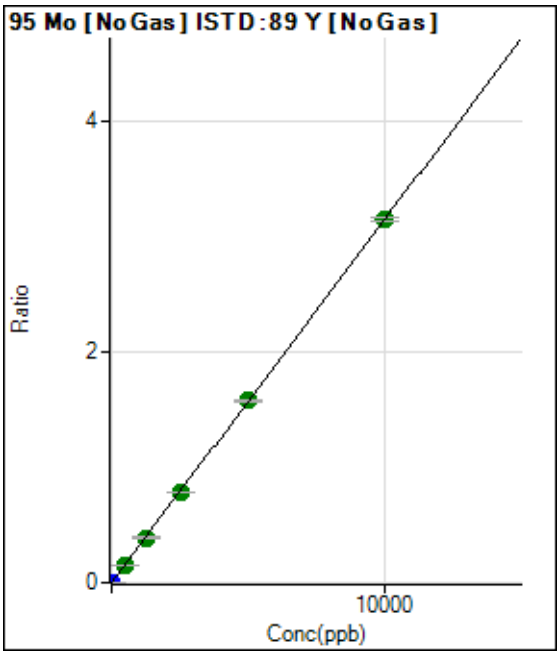


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	865.60	0.0000	P	3.0
2	☐	5.000	5.253	65300.13	0.0012	P	2.0
3	☐	500.000	493.412	6066889.84	0.1075	A	0.5
4	☐	1250.000	1246.518	15230758.94	0.2715	A	1.8
5	☐	2500.000	2478.689	30291596.49	0.5398	A	1.3
6	☐	5000.000	5003.344	60200896.88	1.0895	A	1.3
7	☐	10000.000	10004.420	121041771.53	2.1786	A	0.7
8	☐			26573.30	0.0006	P	3.6

y = 2.1776E-004 * x + 1.5590E-005
R = 1.0000
DL = 0.006419
BEC = 0.07159

Weight: <None>
Min Conc: 0

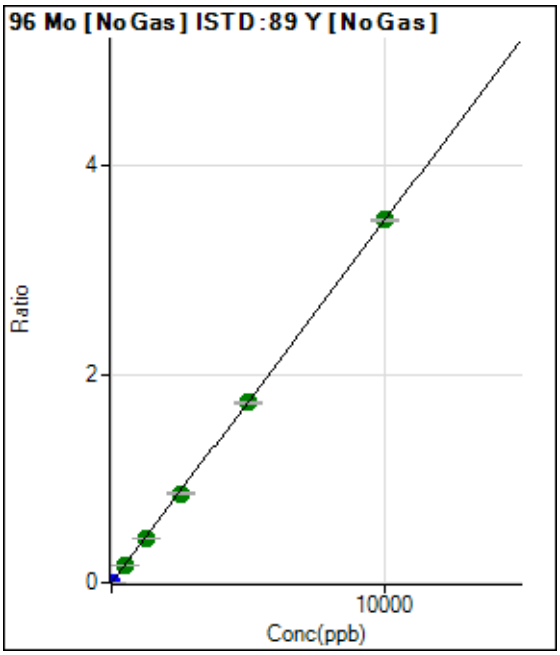
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	188.89	0.0000	P	9.4
2	☐	5.000	4.444	78715.55	0.0014	P	3.4
3	☐	500.000	494.272	8758199.18	0.1551	A	0.8
4	☐	1250.000	1244.710	21918039.67	0.3907	A	2.1
5	☐	2500.000	2486.779	43798992.68	0.7805	A	1.0
6	☐	5000.000	5011.679	86908700.93	1.5729	A	1.6
7	☐	10000.000	9998.414	174342442.96	3.1380	A	1.0
8	☐			30069.83	0.0006	P	2.9

y = 3.1385E-004 * x + 3.4001E-006
R = 1.0000
DL = 0.003071
BEC = 0.01083

Weight: <None>
Min Conc: 0

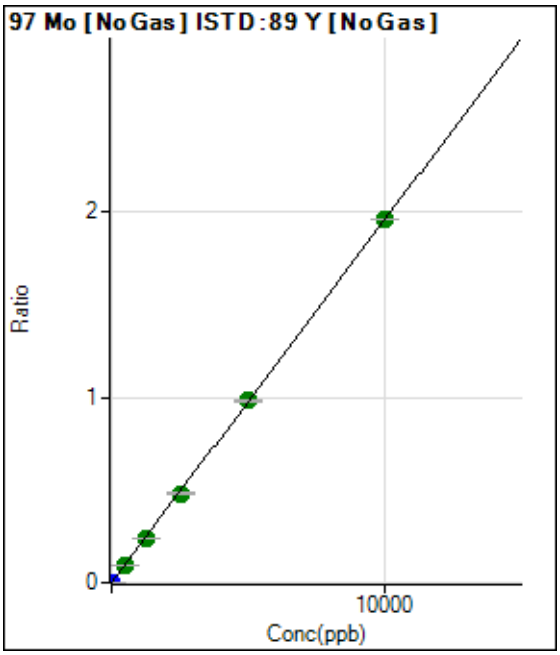


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	380.01	0.0000	P	1.6
2	☐	5.000	4.470	87794.03	0.0016	P	2.3
3	☐	500.000	493.393	9673452.84	0.1713	A	1.0
4	☐	1250.000	1235.528	24074130.75	0.4291	A	1.2
5	☐	2500.000	2468.402	48106720.95	0.8572	A	0.8
6	☐	5000.000	4980.370	95563127.46	1.7295	A	0.7
7	☐	10000.000	10019.854	193333850.45	3.4795	A	0.7
8	☐			38148.63	0.0008	P	1.9

y = 3.4726E-004 * x + 6.8453E-006
R = 1.0000
DL = 0.0009624
BEC = 0.01971

Weight: <None>
Min Conc: 0

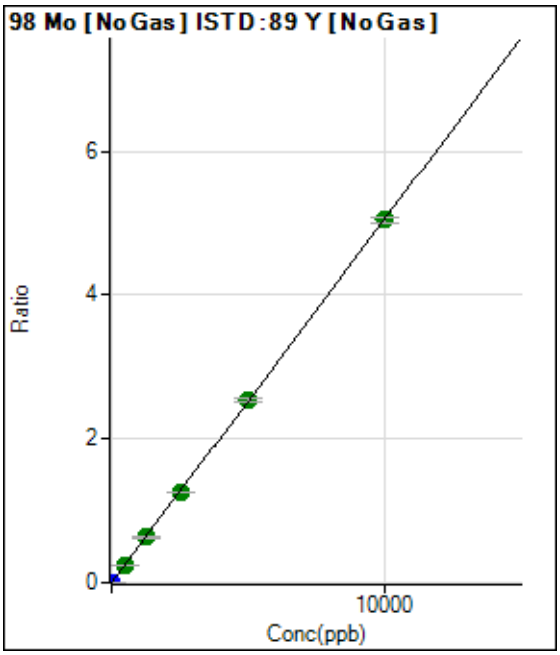
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	128.89	0.0000	P	15.6
2	☐	5.000	4.428	48950.39	0.0009	P	3.4
3	☐	500.000	497.457	5499677.83	0.0974	A	1.4
4	☐	1250.000	1238.947	13613287.58	0.2426	A	0.6
5	☐	2500.000	2461.293	27047284.04	0.4820	A	1.2
6	☐	5000.000	5011.566	54225259.75	0.9814	A	0.8
7	☐	10000.000	10005.403	108862005.04	1.9593	A	0.1
8	☐			16285.64	0.0004	P	4.1

y = 1.9582E-004 * x + 2.3198E-006
R = 1.0000
DL = 0.005549
BEC = 0.01185

Weight: <None>
Min Conc: 0

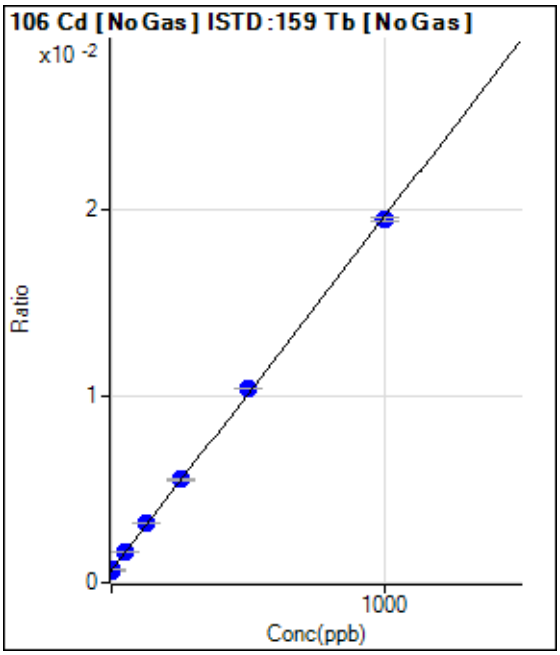


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	324.45	0.0000	P	8.7
2	☐	5.000	4.445	126836.63	0.0023	P	2.4
3	☐	500.000	492.931	14065716.73	0.2491	A	0.6
4	☐	1250.000	1248.739	35411783.91	0.6311	A	1.5
5	☐	2500.000	2491.837	70674688.95	1.2594	A	1.6
6	☐	5000.000	5032.246	140528413.46	2.5434	A	1.5
7	☐	10000.000	9986.429	280415669.15	5.0473	A	1.4
8	☐			41696.35	0.0009	P	2.7

y = 5.0541E-004 * x + 5.8421E-006
R = 1.0000
DL = 0.003007
BEC = 0.01156

Weight: <None>
Min Conc: 0

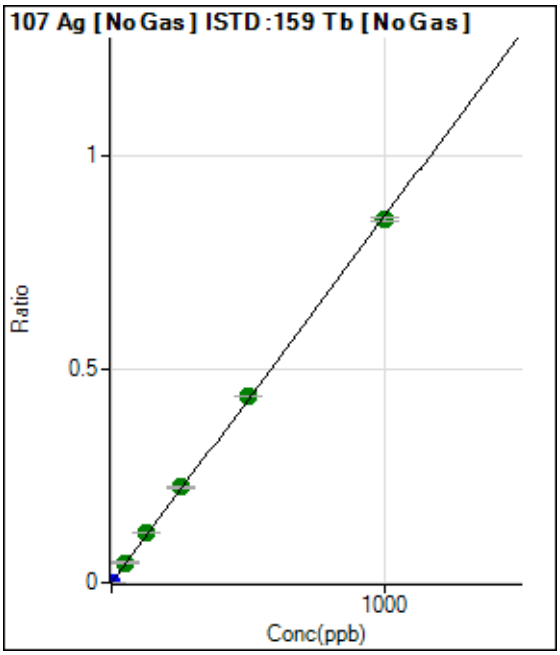
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	32708.71	0.0007	P	0.5
2	☐	1.000	1.049	34206.92	0.0007	P	0.6
3	☐	50.000	53.171	83710.64	0.0017	P	0.5
4	☐	125.000	132.509	156458.80	0.0032	P	1.3
5	☐	250.000	256.909	277971.74	0.0055	P	0.9
6	☐	500.000	513.016	512755.46	0.0104	P	0.4
7	☐	1000.000	990.668	958534.28	0.0195	P	1.1
8	☐			27378.35	0.0007	P	1.6

y = 1.8967E-005 * x + 6.6460E-004
R = 0.9998
DL = 0.5289
BEC = 35.04

Weight: <None>
Min Conc: 0

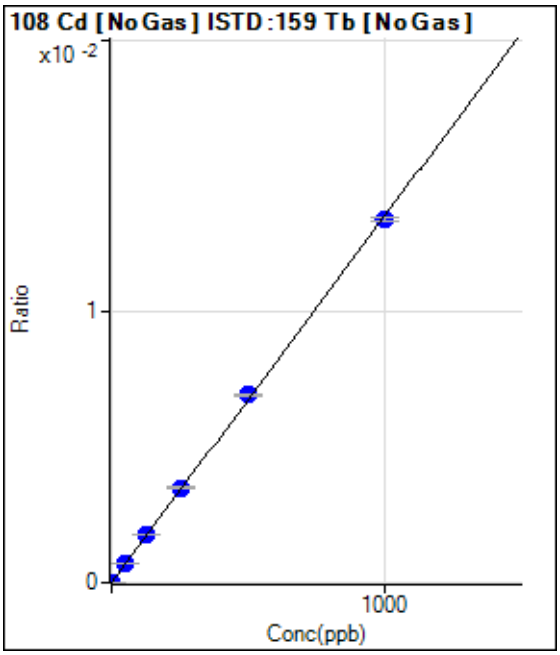


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	482.09	0.0000	P	9.7
2	☐	1.000	0.973	42137.32	0.0008	P	3.4
3	☐	50.000	54.964	2356254.11	0.0471	A	1.8
4	☐	125.000	135.514	5715573.15	0.1161	A	1.4
5	☐	250.000	261.579	11247610.93	0.2241	A	2.1
6	☐	500.000	510.329	21564346.07	0.4372	A	0.6
7	☐	1000.000	990.378	41799217.06	0.8484	A	1.1
8	☐			3482.54	0.0001	P	8.2

y = 8.5661E-004 * x + 9.7905E-006
R = 0.9998
DL = 0.00334
BEC = 0.01143

Weight: <None>
Min Conc: 0

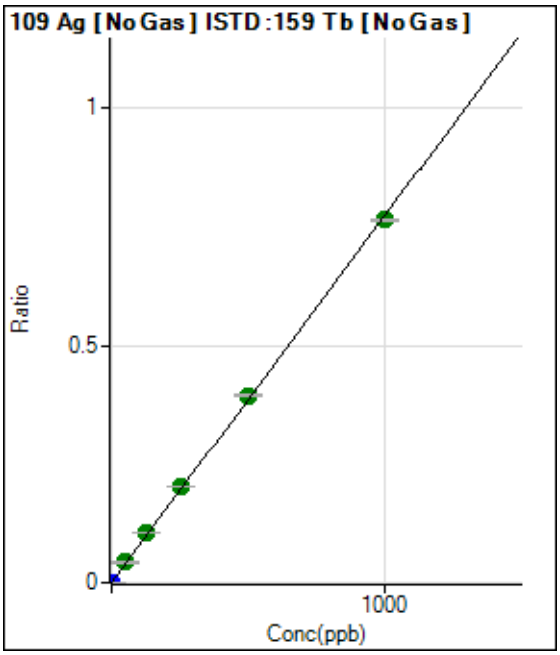
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	77.78	0.0000	P	31.4
2	☐	1.000	1.060	795.59	0.0000	P	5.0
3	☐	50.000	53.458	36258.77	0.0007	P	0.8
4	☐	125.000	132.791	88517.55	0.0018	P	1.1
5	☐	250.000	258.634	175703.81	0.0035	P	1.1
6	☐	500.000	512.573	342092.52	0.0069	P	0.8
7	☐	1000.000	990.408	660178.52	0.0134	P	1.0
8	☐			321.12	0.0000	P	7.2

y = 1.3528E-005 * x + 1.5773E-006
R = 0.9998
DL = 0.1099
BEC = 0.1166

Weight: <None>
Min Conc: 0

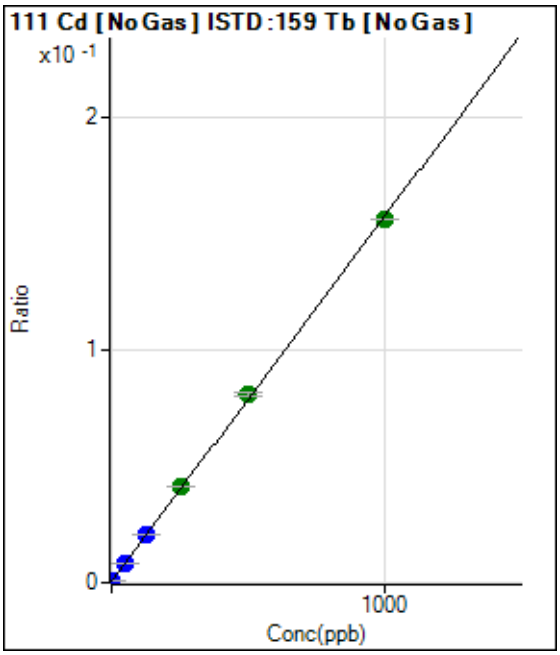


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	102.22	0.0000	P	20.8
2	☐	1.000	1.031	39942.16	0.0008	P	1.6
3	☐	50.000	55.141	2133130.14	0.0426	A	1.3
4	☐	125.000	137.680	5241466.31	0.1065	A	1.6
5	☐	250.000	262.210	10177393.60	0.2027	A	0.9
6	☐	500.000	510.532	19470485.27	0.3947	A	1.1
7	☐	1000.000	989.840	37712747.21	0.7653	A	0.5
8	☐			2855.93	0.0001	P	13.0

y = 7.7319E-004 * x + 2.0767E-006
R = 0.9998
DL = 0.001679
BEC = 0.002686

Weight: <None>
Min Conc: 0

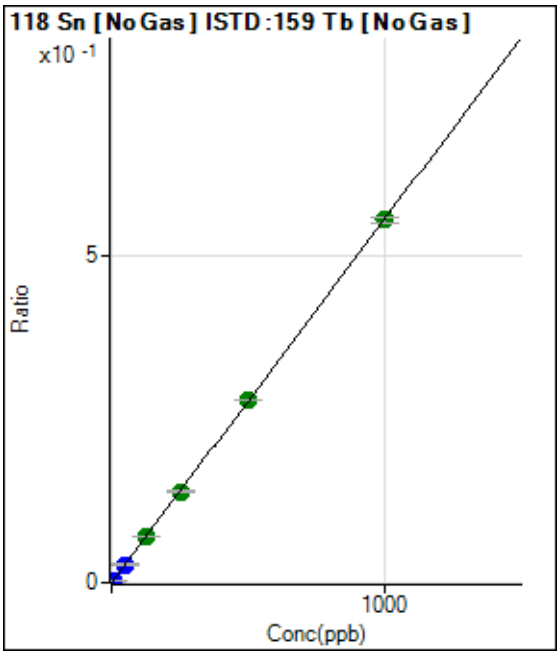
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	22854.98	0.0005	P	0.4
2	☐	1.000	1.048	31433.69	0.0006	P	0.4
3	☐	50.000	51.543	428337.51	0.0086	P	0.7
4	☐	125.000	128.853	1019434.71	0.0207	P	1.5
5	☐	250.000	258.963	2065517.79	0.0411	A	0.4
6	☐	500.000	512.532	3994202.92	0.0810	A	1.7
7	☐	1000.000	990.934	7693237.47	0.1561	A	0.2
8	☐			20175.69	0.0005	P	1.3

y = 1.5709E-004 * x + 4.6439E-004
R = 0.9998
DL = 0.03658
BEC = 2.956

Weight: <None>
Min Conc: 0

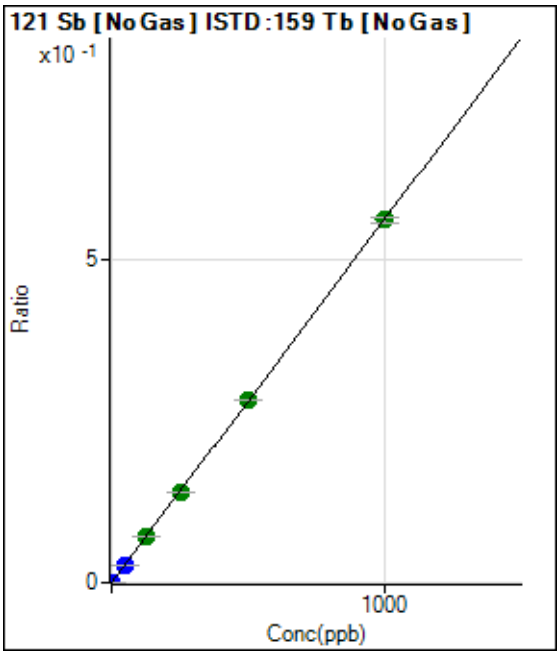


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2510.26	0.0001	P	1.9
2	☐	5.000	4.822	136164.72	0.0027	P	1.3
3	☐	50.000	50.018	1390088.33	0.0278	P	0.9
4	☐	125.000	127.804	3491414.53	0.0709	A	1.1
5	☐	250.000	250.353	6970861.56	0.1389	A	0.7
6	☐	500.000	502.610	13749024.93	0.2787	A	0.8
7	☐	1000.000	998.256	27272715.70	0.5536	A	1.7
8	☐			26332.09	0.0006	P	1.7

y = 5.5448E-004 * x + 5.1012E-005
R = 1.0000
DL = 0.005292
BEC = 0.092

Weight: <None>
Min Conc: 0

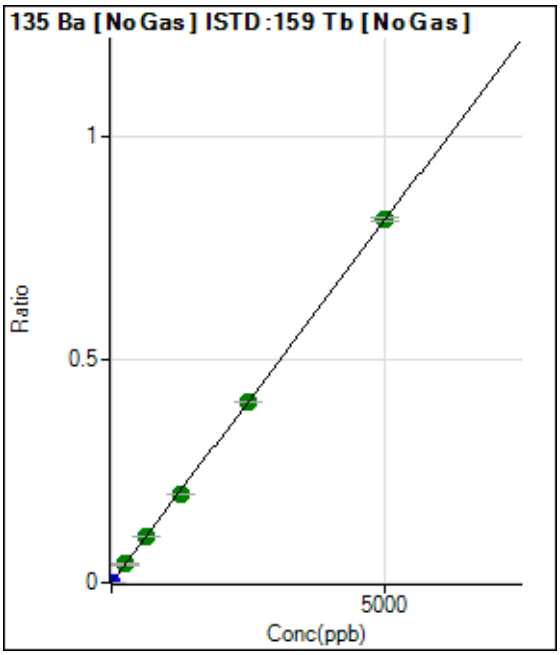
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	167.78	0.0000	P	25.0
2	☐	2.000	1.947	54780.35	0.0011	P	1.4
3	☐	50.000	49.409	1387574.46	0.0277	P	1.6
4	☐	125.000	127.968	3536381.06	0.0718	A	0.7
5	☐	250.000	248.843	7011419.06	0.1397	A	0.9
6	☐	500.000	502.407	13909481.46	0.2820	A	0.2
7	☐	1000.000	998.744	27618081.53	0.5606	A	1.4
8	☐			14296.61	0.0003	P	17.6

y = 5.6127E-004 * x + 3.4151E-006
R = 1.0000
DL = 0.004559
BEC = 0.006085

Weight: <None>
Min Conc: 0

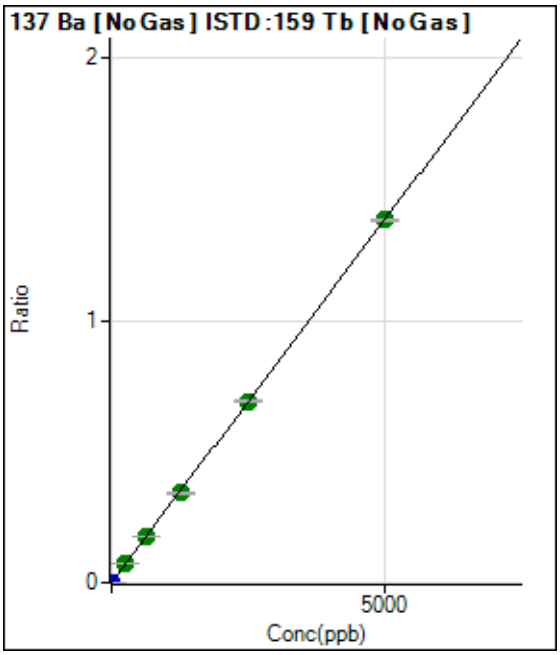


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	247.78	0.0000	P	5.2
2	☐	10.000	9.431	76674.38	0.0015	P	0.8
3	☐	250.000	253.627	2057880.00	0.0411	A	1.4
4	☐	625.000	631.496	5042414.48	0.1024	A	1.5
5	☐	1250.000	1226.934	9988585.40	0.1990	A	0.9
6	☐	2500.000	2491.710	19931152.90	0.4041	A	0.6
7	☐	5000.000	5008.919	40019851.35	0.8123	A	0.9
8	☐			13096.48	0.0003	P	3.6

y = 1.6216E-004 * x + 5.0364E-006
R = 1.0000
DL = 0.004856
BEC = 0.03106

Weight: <None>
Min Conc: 0

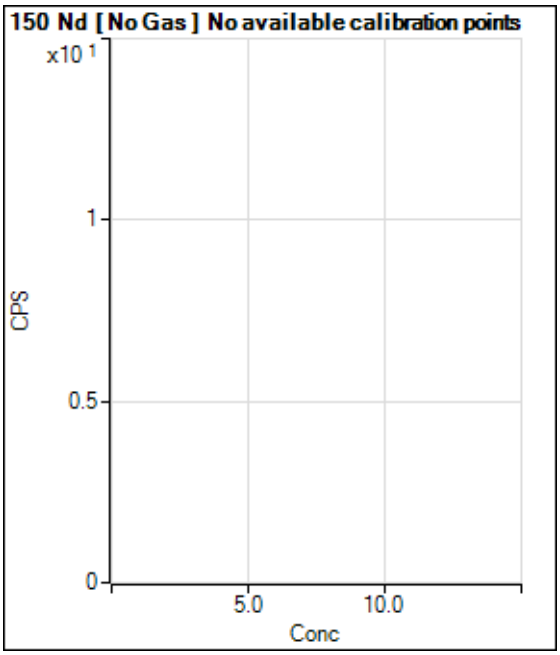
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	356.68	0.0000	P	2.5
2	☐	10.000	9.648	133639.95	0.0027	P	2.1
3	☐	250.000	254.074	3514692.03	0.0703	A	1.1
4	☐	625.000	631.212	8592652.44	0.1745	A	0.9
5	☐	1250.000	1240.562	17216205.99	0.3430	A	1.7
6	☐	2500.000	2498.024	34065548.38	0.6906	A	0.7
7	☐	5000.000	5002.368	68142380.65	1.3830	A	0.8
8	☐			22735.96	0.0006	P	1.0

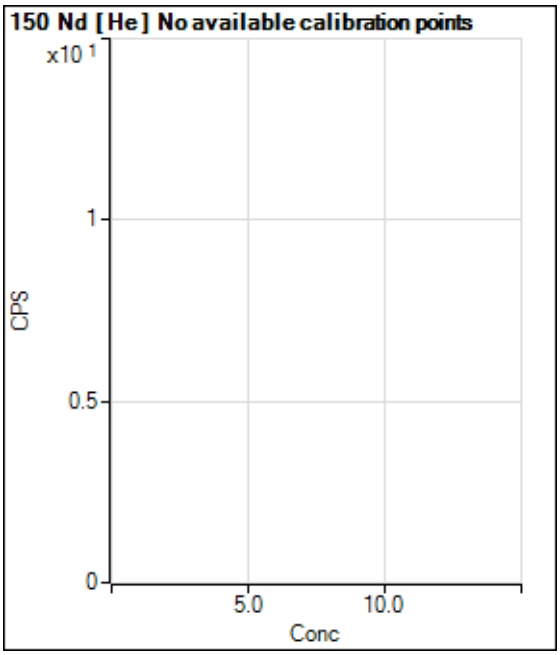
y = 2.7647E-004 * x + 7.2485E-006
R = 1.0000
DL = 0.001988
BEC = 0.02622

Weight: <None>
Min Conc: 0

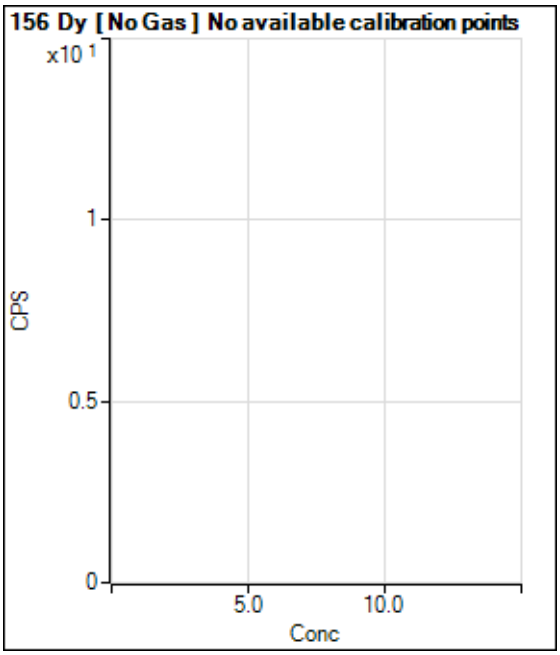


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			36.67		P	32.8
2	☐			64.44		P	18.2
3	☐			347.78		P	2.8
4	☐			858.93		P	11.5
5	☐			1534.55		P	4.1
6	☐			3081.51		P	3.4
7	☐			5799.08		P	1.1
8	☐			666.69		P	8.4

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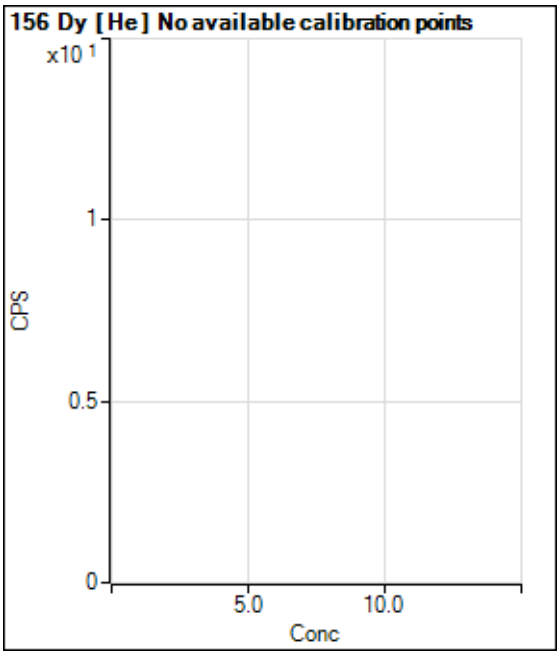


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			10.00		P	33.3
2	☐			8.89		P	21.6
3	☐			31.11		P	6.2
4	☐			50.00		P	40.0
5	☐			73.34		P	28.4
6	☐			136.67		P	4.2
7	☐			283.34		P	12.4
8	☐			191.11		P	2.7

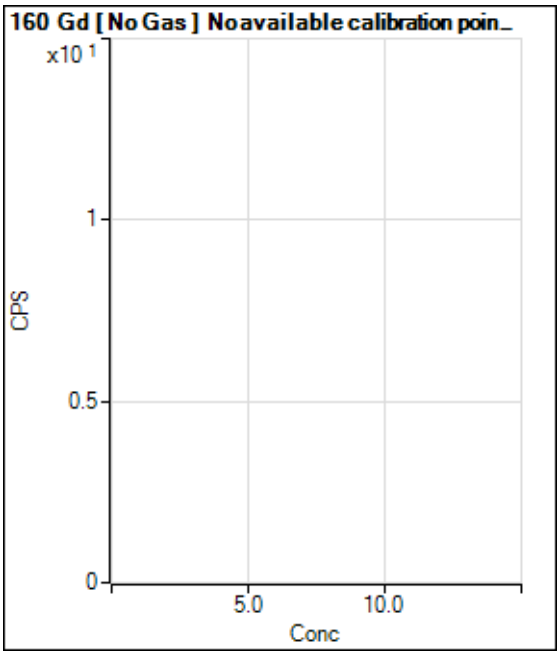


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			888.93		P	1.3
2	☐			876.71		P	5.9
3	☐			905.60		P	6.1
4	☐			1005.61		P	5.8
5	☐			1226.73		P	3.3
6	☐			1440.10		P	5.9
7	☐			2024.62		P	4.0
8	☐			2204.65		P	7.7

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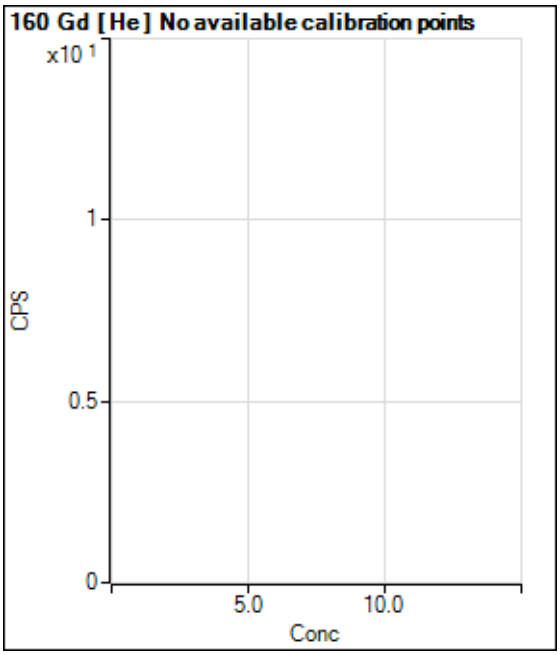


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			52.22		P	43.4
2	☐			58.89		P	11.8
3	☐			77.78		P	8.9
4	☐			115.56		P	17.4
5	☐			180.00		P	3.7
6	☐			300.01		P	2.9
7	☐			631.13		P	1.1
8	☐			563.35		P	5.3

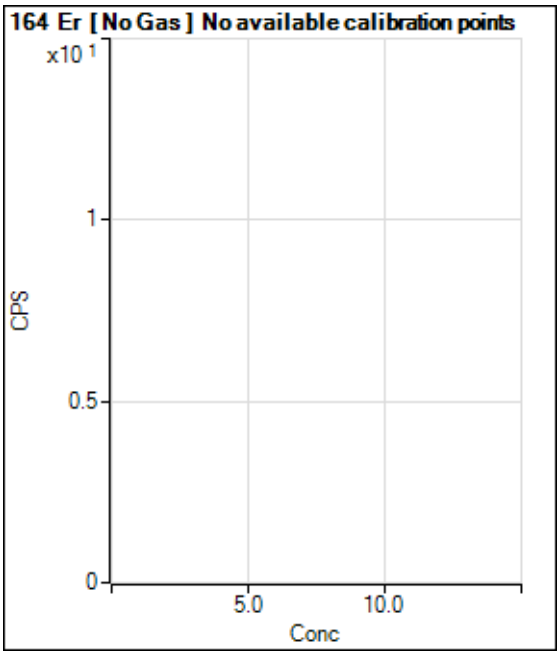


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1	☐			638.91		P	0.8
2	☐			658.91		P	6.5
3	☐			634.47		P	6.3
4	☐			694.47		P	6.3
5	☐			682.25		P	6.7
6	☐			755.59		P	1.1
7	☐			925.60		P	10.3
8	☐			1532.33		P	3.7

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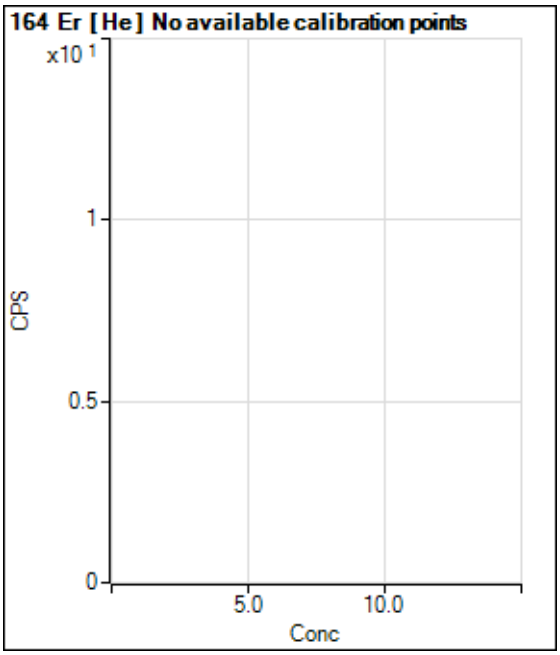


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1	☐			795.59		P	8.4
2	☐			751.14		P	17.3
3	☐			738.92		P	10.4
4	☐			782.26		P	7.3
5	☐			844.48		P	2.7
6	☐			811.14		P	8.1
7	☐			896.71		P	7.1
8	☐			1174.51		P	2.9

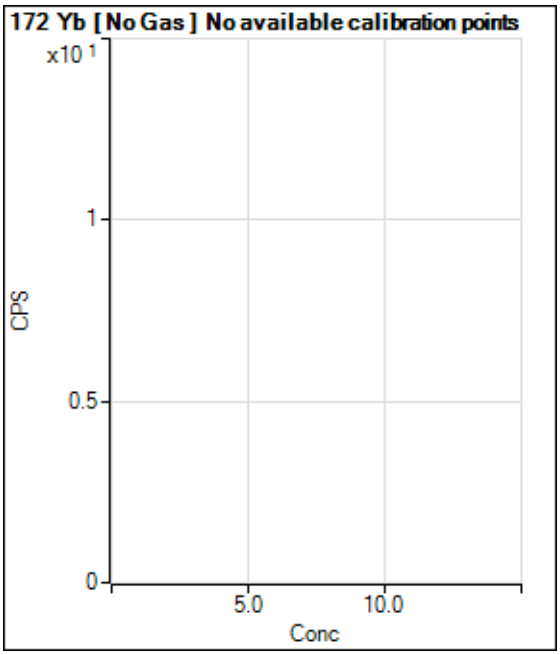


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1	☐			351.12		P	12.6
2	☐			321.12		P	7.9
3	☐			373.34		P	14.4
4	☐			441.12		P	8.5
5	☐			445.57		P	3.0
6	☐			537.80		P	5.6
7	☐			706.69		P	12.3
8	☐			1143.40		P	4.7

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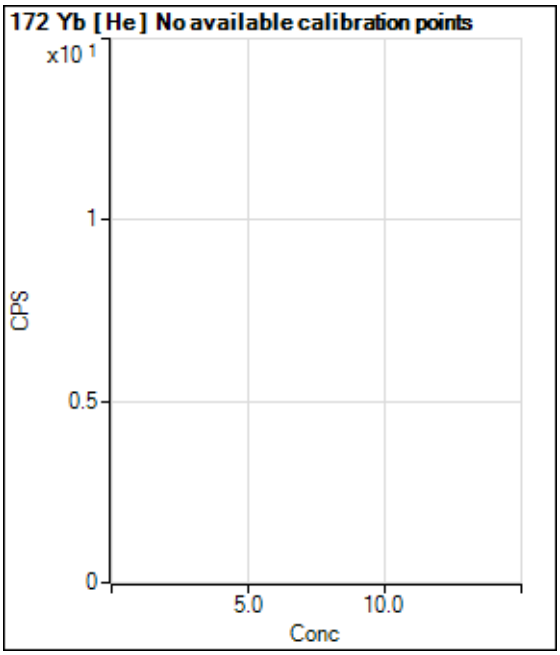


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1	☐			126.67		P	19.9
2	☐			104.45		P	15.7
3	☐			150.00		P	13.5
4	☐			140.00		P	8.6
5	☐			186.67		P	15.6
6	☐			174.45		P	15.4
7	☐			254.45		P	3.0
8	☐			425.57		P	3.0

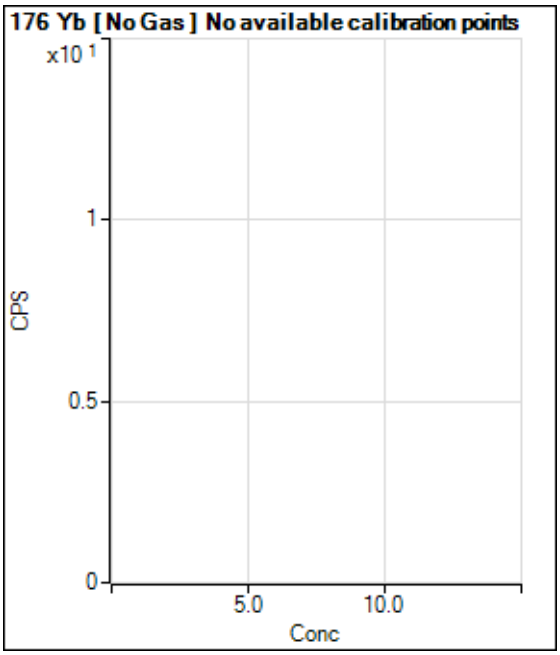


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1	☐			304.45		P	8.3
2	☐			330.01		P	10.5
3	☐			384.46		P	7.3
4	☐			338.89		P	4.6
5	☐			413.34		P	9.8
6	☐			533.35		P	5.6
7	☐			748.92		P	5.6
8	☐			1582.34		P	7.4

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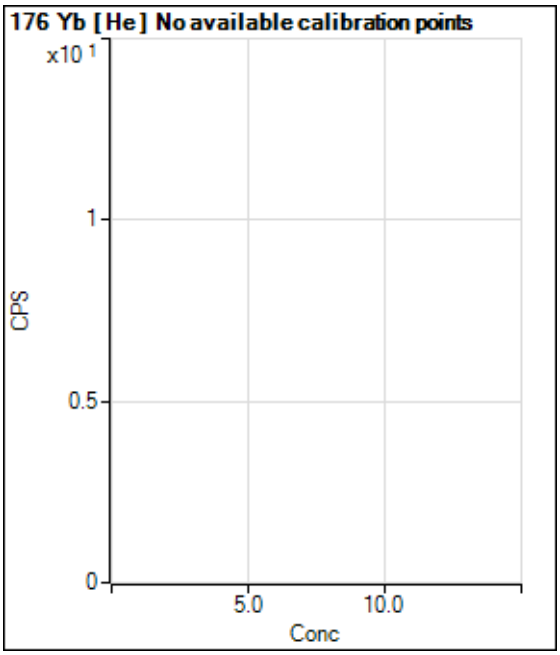


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			125.56		P	6.7
2	☐			137.78		P	26.5
3	☐			128.89		P	1.5
4	☐			158.89		P	8.7
5	☐			165.56		P	7.1
6	☐			194.45		P	14.0
7	☐			331.12		P	10.1
8	☐			734.47		P	7.8

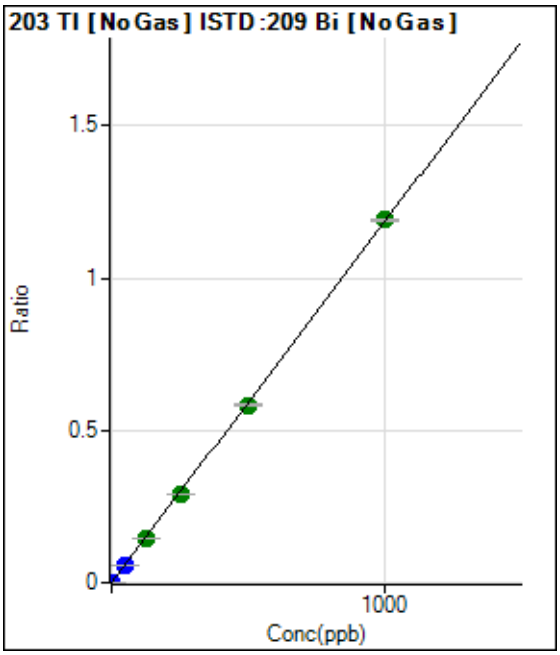


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1	☐			12200.20		P	3.8
2	☐			12372.54		P	3.1
3	☐			20190.03		P	1.3
4	☐			31033.18		P	1.5
5	☐			50115.72		P	0.6
6	☐			87062.34		P	2.3
7	☐			162443.42		P	0.5
8	☐			10996.89		P	1.8

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			65793.04		P	0.7
2	☐			65368.39		P	2.4
3	☐			68553.38		P	1.7
4	☐			72715.39		P	0.8
5	☐			80278.81		P	0.2
6	☐			92386.94		P	0.4
7	☐			121847.27		P	0.7
8	☐			60966.50		P	1.8

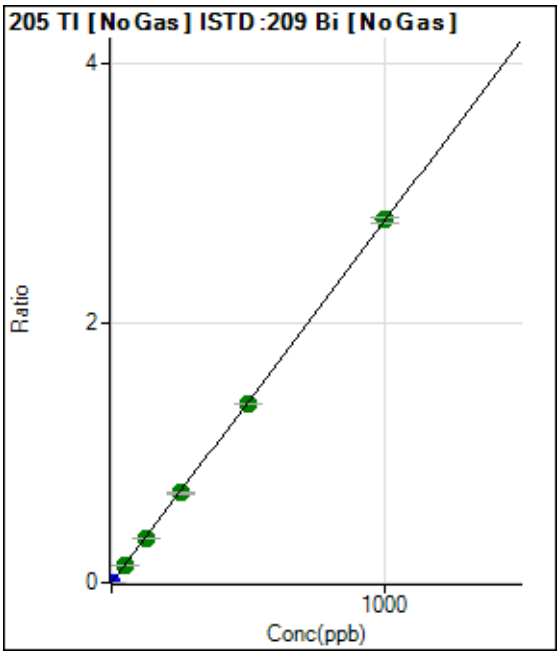


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	377.79	0.0000	P	7.5
2	☐	1.000	0.920	33756.04	0.0011	P	0.6
3	☐	50.000	47.621	1704877.44	0.0564	P	0.3
4	☐	125.000	121.767	4303446.92	0.1442	A	2.5
5	☐	250.000	245.125	8467765.84	0.2903	A	0.2
6	☐	500.000	492.631	16666273.64	0.5834	A	0.9
7	☐	1000.000	1005.427	32851405.34	1.1907	A	0.5
8	☐			4152.97	0.0002	P	7.6

y = 0.0012 * x + 1.2482E-005
R = 0.9999
DL = 0.002369
BEC = 0.01054

Weight: <None>
Min Conc: 0

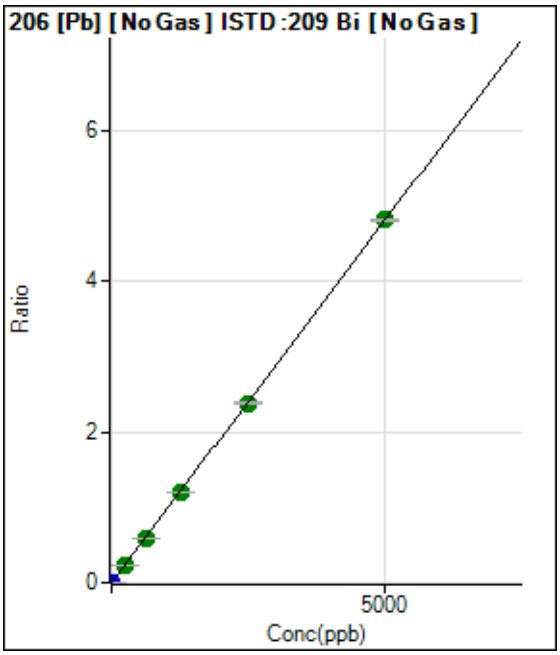
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	873.37	0.0000	P	6.9
2	☐	1.000	0.935	80805.25	0.0026	P	0.8
3	☐	50.000	48.980	4131064.14	0.1367	A	0.6
4	☐	125.000	123.152	10253816.72	0.3436	A	2.2
5	☐	250.000	247.661	20155109.70	0.6910	A	1.1
6	☐	500.000	494.637	39424008.86	1.3800	A	0.2
7	☐	1000.000	1003.548	77248169.41	2.7998	A	1.5
8	☐			10279.90	0.0005	P	6.5

y = 0.0028 * x + 2.8857E-005
R = 1.0000
DL = 0.002152
BEC = 0.01034

Weight: <None>
Min Conc: 0

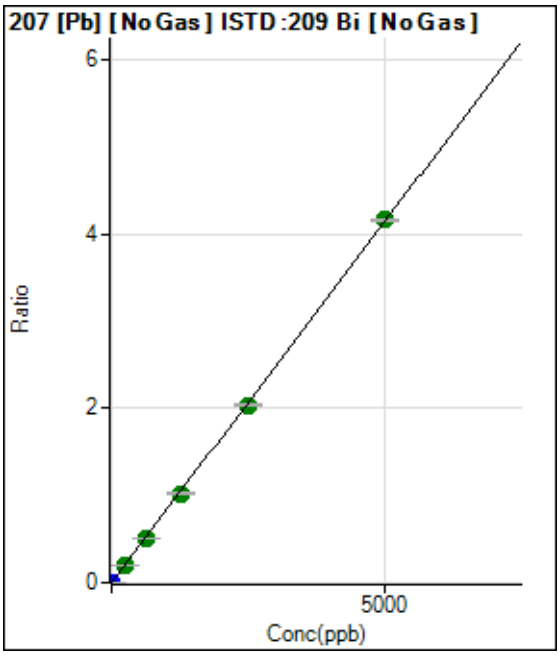


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	787.81	0.0000	P	9.0
2	☐	1.000	0.915	27691.87	0.0009	P	2.1
3	☐	250.000	244.707	7100740.87	0.2349	A	1.1
4	☐	625.000	610.680	17491886.82	0.5862	A	3.4
5	☐	1250.000	1240.266	34728690.32	1.1906	A	0.6
6	☐	2500.000	2477.730	67948975.66	2.3785	A	0.7
7	☐	5000.000	5015.623	132836630.24	4.8147	A	0.5
8	☐			28062.86	0.0013	P	0.4

y = 9.5994E-004 * x + 2.6016E-005
R = 1.0000
DL = 0.007297
BEC = 0.0271

Weight: <None>
Min Conc: 0

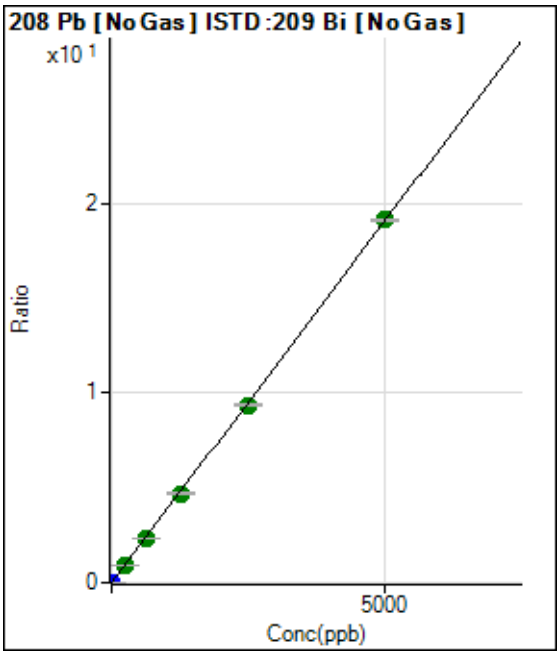
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	715.59	0.0000	P	4.5
2	☐	1.000	0.929	24291.74	0.0008	P	1.3
3	☐	250.000	243.174	6086473.38	0.2014	A	0.5
4	☐	625.000	610.085	15073052.14	0.5052	A	3.2
5	☐	1250.000	1228.849	29675678.73	1.0175	A	2.3
6	☐	2500.000	2457.607	58132167.47	2.0349	A	0.9
7	☐	5000.000	5028.690	114874237.18	4.1637	A	0.7
8	☐			24341.25	0.0012	P	3.7

y = 8.2799E-004 * x + 2.3642E-005
R = 0.9999
DL = 0.003871
BEC = 0.02855

Weight: <None>
Min Conc: 0

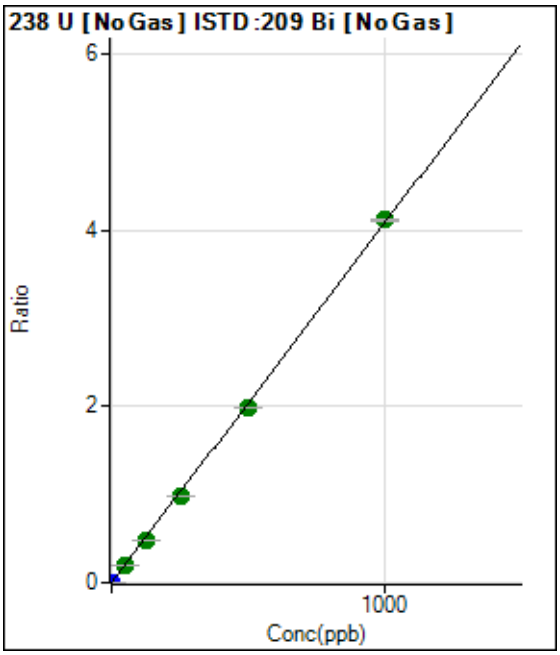


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3200.20	0.0001	P	2.0
2	☐	1.000	0.921	110764.00	0.0036	P	1.2
3	☐	250.000	243.035	27991584.17	0.9261	A	0.3
4	☐	625.000	614.488	69868817.29	2.3414	A	2.5
5	☐	1250.000	1232.837	137011440.74	4.6974	A	1.3
6	☐	2500.000	2462.611	268051764.34	9.3831	A	0.6
7	☐	5000.000	5024.648	528207487.68	19.1449	A	0.7
8	☐			110742.60	0.0053	P	1.7

y = 0.0038 * x + 1.0571E-004
R = 1.0000
DL = 0.001703
BEC = 0.02774

Weight: <None>
Min Conc: 0

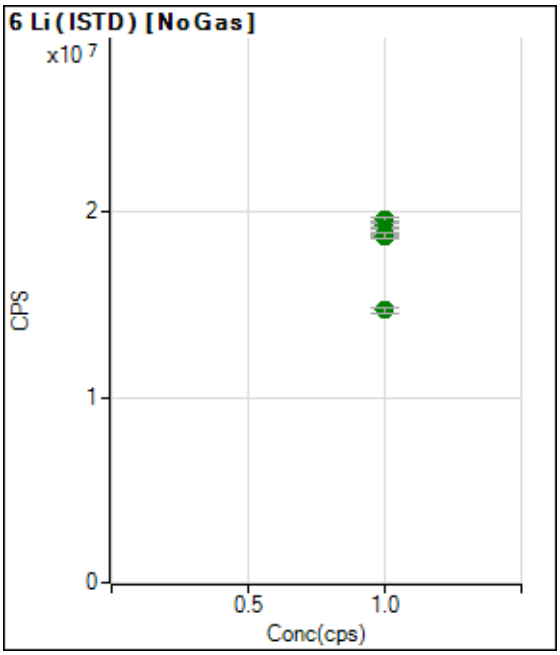
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	133.34	0.0000	P	24.5
2	☐	1.000	0.883	110468.22	0.0036	P	0.5
3	☐	50.000	46.877	5782105.75	0.1913	A	1.4
4	☐	125.000	118.727	14460127.01	0.4845	A	1.6
5	☐	250.000	241.781	28782326.79	0.9867	A	0.3
6	☐	500.000	487.300	56810879.15	1.9887	A	0.8
7	☐	1000.000	1009.345	113647772.75	4.1191	A	0.5
8	☐			3697.59	0.0002	P	21.1

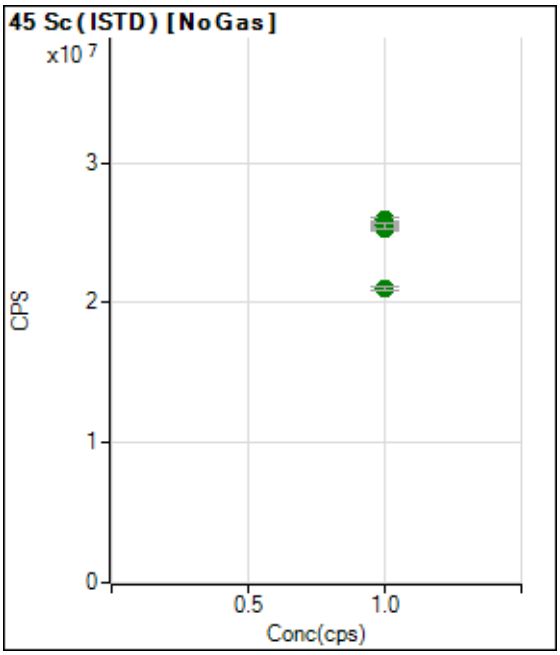
y = 0.0041 * x + 4.4086E-006
R = 0.9998
DL = 0.0007926
BEC = 0.00108

Weight: <None>
Min Conc: 0

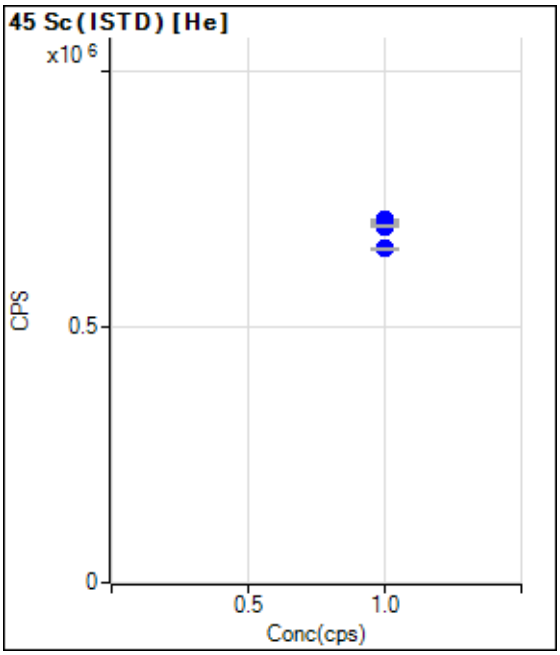


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		19364227.83		A	1.3
2	☐	1.000		19460810.14		A	2.4
3	☐	1.000		19597665.74		A	1.6
4	☐	1.000		19148116.31		A	0.6
5	☐	1.000		18930540.38		A	2.1
6	☐	1.000		18819751.10		A	0.5
7	☐	1.000		18725898.67		A	1.5
8	☐	1.000		14711626.90		A	2.4

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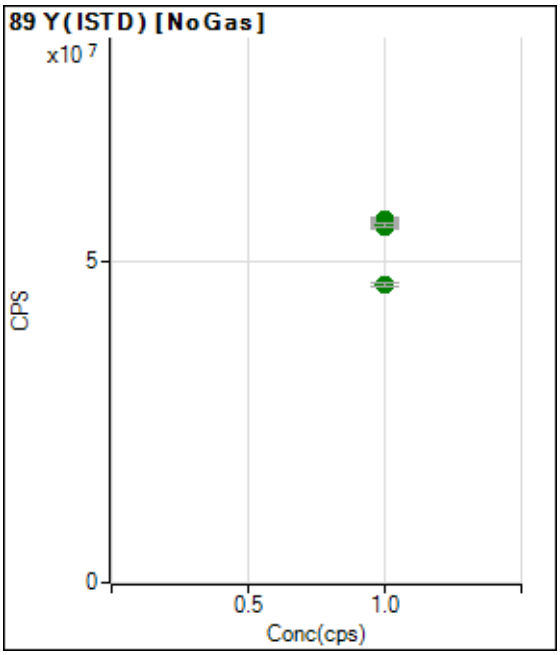


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1	☐	1.000		25224108.79		A	0.9
2	☐	1.000		25929591.00		A	0.9
3	☐	1.000		25661963.23		A	0.7
4	☐	1.000		25591392.67		A	1.4
5	☐	1.000		25544400.17		A	1.2
6	☐	1.000		25328114.62		A	0.5
7	☐	1.000		25495662.12		A	1.4
8	☐	1.000		20969130.52		A	1.3

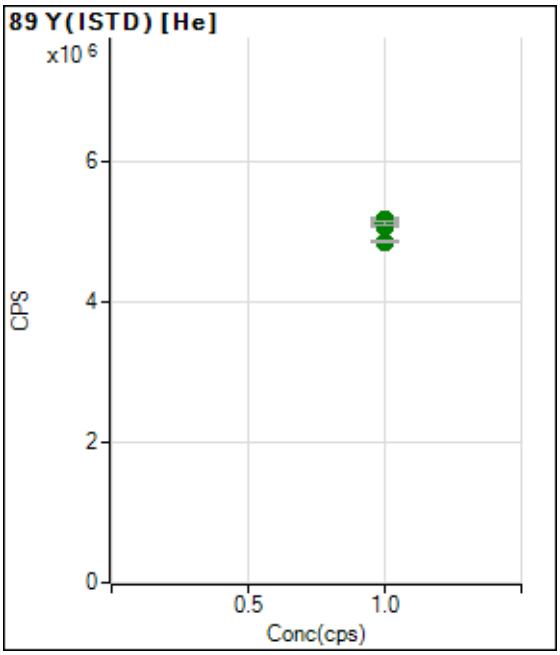


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		708851.05		P	0.3
2	☐	1.000		705334.08		P	0.3
3	☐	1.000		704946.04		P	0.5
4	☐	1.000		708339.26		P	0.3
5	☐	1.000		700765.64		P	0.4
6	☐	1.000		695921.92		P	0.2
7	☐	1.000		697492.59		P	0.2
8	☐	1.000		653239.05		P	0.6

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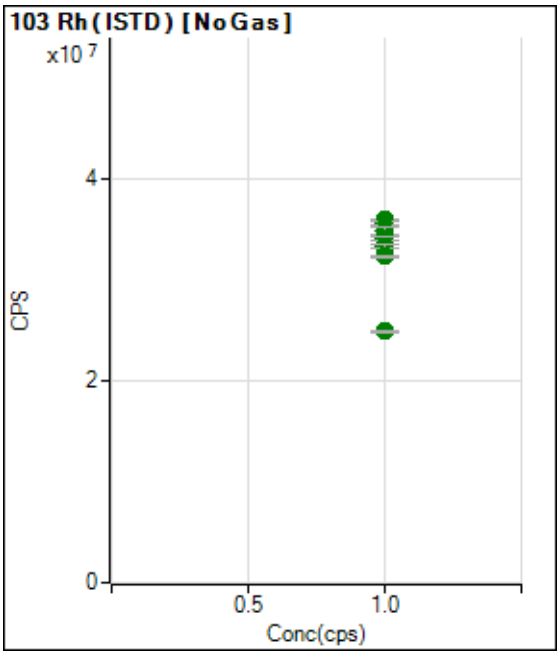


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1	☐	1.000		55505953.62		A	1.4
2	☐	1.000		56328238.61		A	1.9
3	☐	1.000		56457113.60		A	0.1
4	☐	1.000		56113462.50		A	0.9
5	☐	1.000		56120651.94		A	0.7
6	☐	1.000		55256882.51		A	0.7
7	☐	1.000		55563150.84		A	1.1
8	☐	1.000		46455419.31		A	1.2

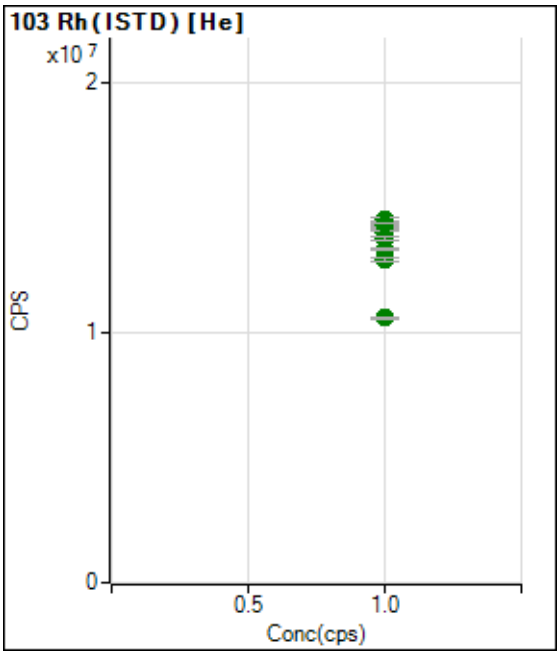


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5149963.26		A	1.1
2	☐	1.000		5087217.63		A	0.8
3	☐	1.000		5177096.94		A	1.3
4	☐	1.000		5159446.21		A	1.0
5	☐	1.000		5113968.33		A	1.1
6	☐	1.000		5081574.47		A	0.7
7	☐	1.000		5138482.88		A	1.2
8	☐	1.000		4869710.72		A	0.8

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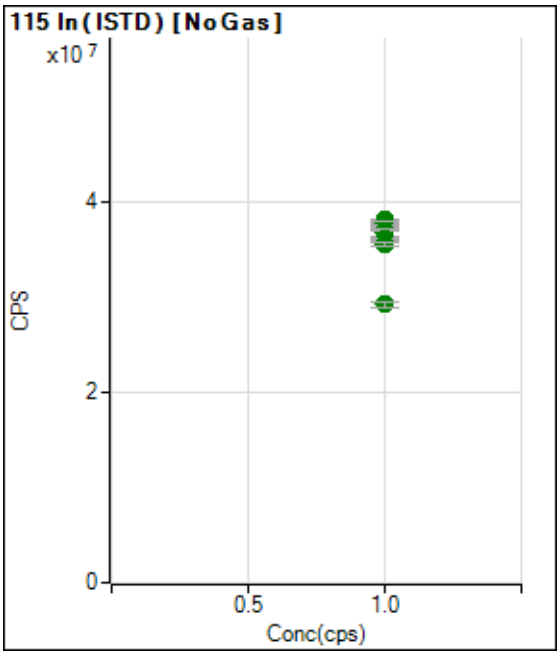


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		36009413.91		A	0.3
2	☐	1.000		35705957.80		A	0.9
3	☐	1.000		35365408.36		A	0.7
4	☐	1.000		34945936.98		A	1.9
5	☐	1.000		34089906.71		A	1.2
6	☐	1.000		33377912.00		A	1.0
7	☐	1.000		32394446.46		A	0.3
8	☐	1.000		24912664.90		A	0.6

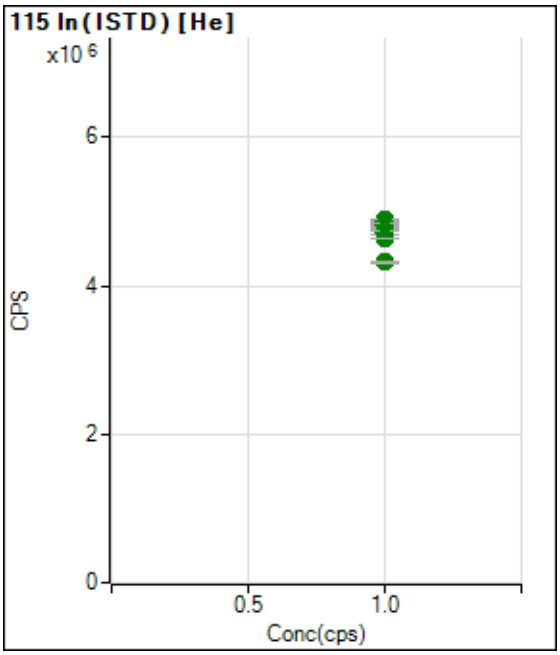


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		14511873.12		A	1.1
2	☐	1.000		14288747.43		A	0.7
3	☐	1.000		14287498.82		A	1.4
4	☐	1.000		13961964.10		A	1.8
5	☐	1.000		13736434.80		A	1.1
6	☐	1.000		13309290.63		A	0.6
7	☐	1.000		12939001.20		A	1.3
8	☐	1.000		10587020.74		A	0.9

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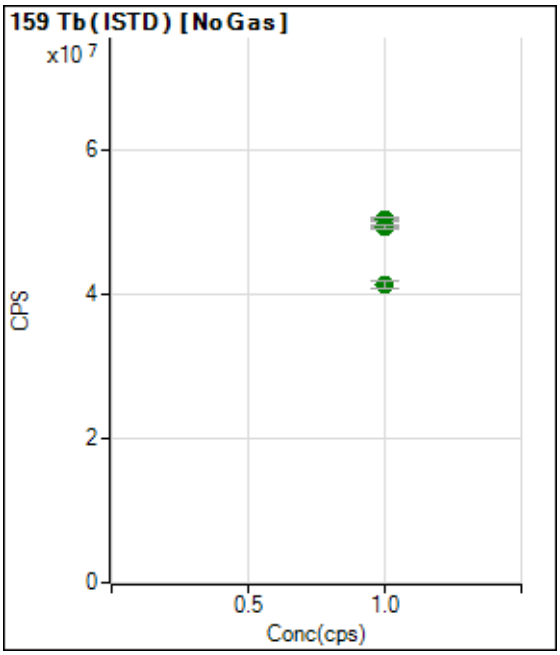


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		37462968.54		A	1.6
2	☐	1.000		38110525.11		A	0.4
3	☐	1.000		37730140.88		A	0.9
4	☐	1.000		36799238.85		A	2.6
5	☐	1.000		37000070.99		A	0.4
6	☐	1.000		36083025.38		A	0.9
7	☐	1.000		35530602.69		A	0.9
8	☐	1.000		29275004.83		A	2.1

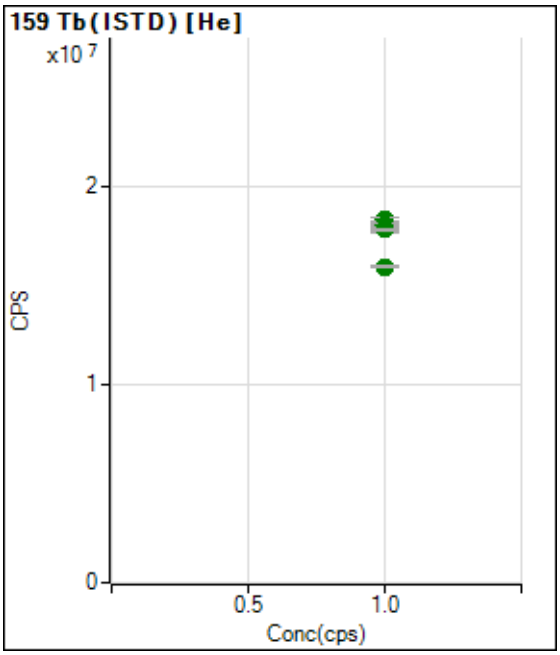


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4887185.09		A	0.9
2	☐	1.000		4863844.35		A	0.3
3	☐	1.000		4857251.74		A	1.6
4	☐	1.000		4824219.02		A	0.9
5	☐	1.000		4751817.30		A	0.4
6	☐	1.000		4710319.58		A	0.9
7	☐	1.000		4633114.69		A	0.4
8	☐	1.000		4317201.29		A	0.7

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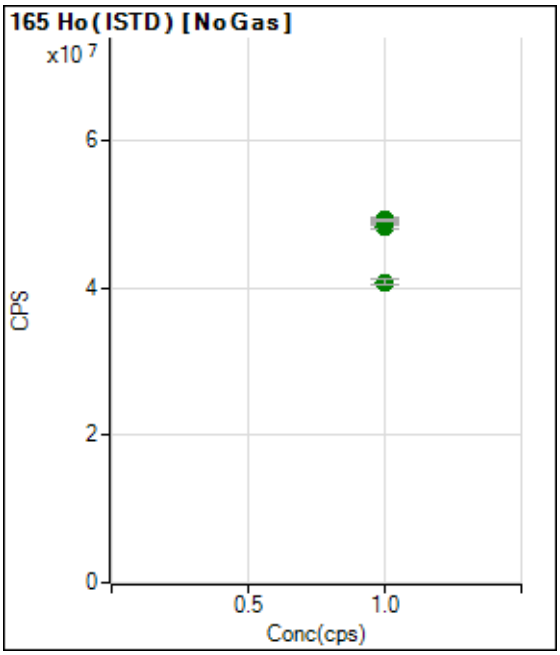


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		49213787.04		A	1.0
2	☐	1.000		49977321.48		A	1.5
3	☐	1.000		50031653.70		A	0.5
4	☐	1.000		49235369.27		A	0.6
5	☐	1.000		50200674.25		A	0.9
6	☐	1.000		49326853.15		A	0.7
7	☐	1.000		49273687.60		A	1.2
8	☐	1.000		41229114.66		A	2.6

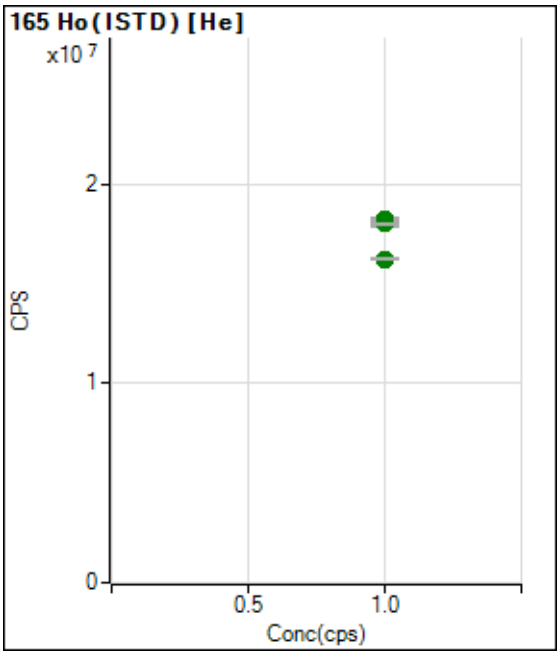


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		17861054.60		A	2.0
2	☐	1.000		18133262.37		A	1.2
3	☐	1.000		18107842.23		A	1.0
4	☐	1.000		18316362.37		A	1.7
5	☐	1.000		18067853.48		A	1.3
6	☐	1.000		17851127.37		A	1.0
7	☐	1.000		17827440.85		A	0.4
8	☐	1.000		15950387.54		A	0.7

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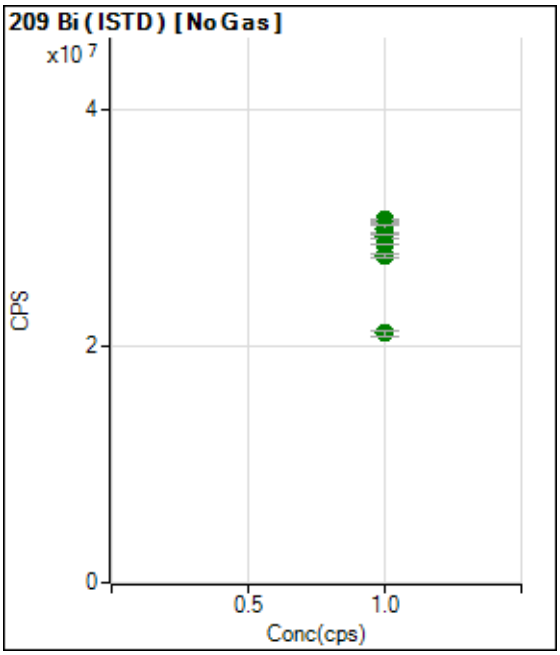


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		48237481.51		A	1.1
2	☐	1.000		48950506.49		A	1.3
3	☐	1.000		49081189.82		A	1.4
4	☐	1.000		49178044.27		A	0.3
5	☐	1.000		49065014.27		A	0.1
6	☐	1.000		48779721.50		A	0.6
7	☐	1.000		49111360.93		A	0.2
8	☐	1.000		40789925.78		A	1.3

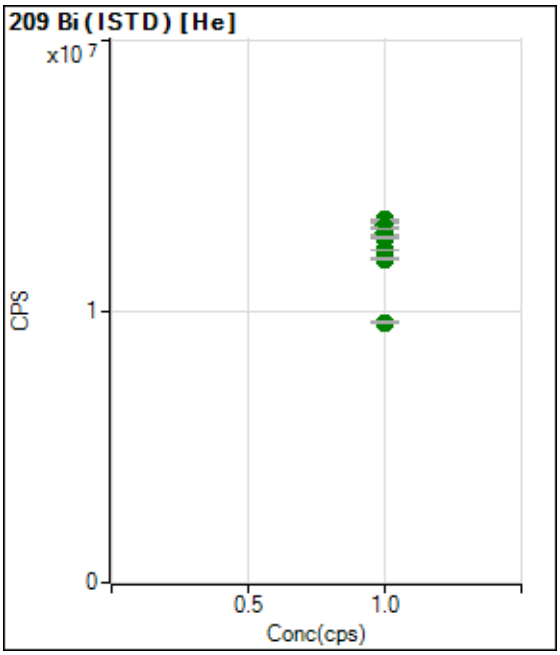


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		18155959.45		A	1.4
2	☐	1.000		18129896.26		A	1.1
3	☐	1.000		18117606.26		A	1.5
4	☐	1.000		18228510.01		A	1.4
5	☐	1.000		18171487.78		A	0.6
6	☐	1.000		18059698.06		A	1.8
7	☐	1.000		18023887.51		A	0.5
8	☐	1.000		16272557.53		A	0.5

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		30271772.88		A	0.6
2	☐	1.000		30630065.93		A	0.2
3	☐	1.000		30225048.44		A	0.4
4	☐	1.000		29849265.94		A	1.8
5	☐	1.000		29169614.29		A	1.0
6	☐	1.000		28567549.02		A	0.3
7	☐	1.000		27590331.81		A	0.8
8	☐	1.000		21084217.74		A	2.5



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		13195683.41		A	0.8
2	☐	1.000		13395642.02		A	0.8
3	☐	1.000		13139703.00		A	0.1
4	☐	1.000		12943640.50		A	1.8
5	☐	1.000		12734857.17		A	0.8
6	☐	1.000		12287980.37		A	0.4
7	☐	1.000		11949049.68		A	0.3
8	☐	1.000		9614485.55		A	1.1

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8
ClientSampleId
:TUNE002

US EPA Tune Check Report

Operator Name	Jaswal
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\P1004424-MS.b
Acq. Date-Time	2024-10-04 12:49:39
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		24079	240788.21			3.701	5.000
24		893100	8931001.55			4.709	5.000
25		121282	1212818.01			4.219	5.000
26		138102	1381020.09			4.861	5.000
59		178936	1789364.80			4.857	5.000
113		11588	115876.48			4.538	5.000
115		270457	2704566.23			4.412	5.000
206		66374	663739.55			3.678	5.000
207		54667	546666.81			3.576	5.000
208		139239	1392389.02			4.270	5.000
220		0	2.50			50.990	

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	24573	24278	24477	24568	22499
24	933671	893977	897746	916651	823455
25	127742	120647	121532	122938	113549
26	144605	138562	139179	141301	126862
59	185658	180891	181365	183018	163751
113	12029	11713	11478	11984	10735
115	282335	276270	269457	273385	250835
206	67986	67309	67411	67118	62046
207	55751	55403	55771	55215	51195
208	142749	142050	142716	139867	128812

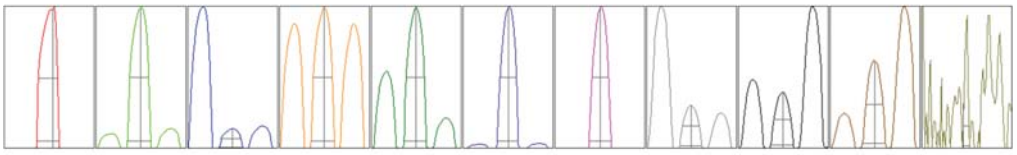
Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8
ClientSampleId
:TUNE002

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	41057.77	9.15	8.90 - 9.10	Fail
24	1513382.66	24.00	23.90 - 24.10	
25	205884.63	25.00	24.90 - 25.10	
26	234403.35	26.00	25.90 - 26.10	
59	319991.79	59.00	58.90 - 59.10	
113	22557.57	113.05	112.90 - 113.10	
115	524986.41	115.05	114.90 - 115.10	
206	124729.83	206.00	205.90 - 206.10	
207	102200.23	207.00	206.90 - 207.10	
208	256491.93	208.00	207.90 - 208.10	
220	0.25	219.90	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.63	0.739	0.900	
24	0.63	0.784	0.900	
25	0.63	0.780	0.900	
26	0.63	0.785	0.900	
59	0.59	0.740	0.900	
113	0.54	0.687	0.900	
115	0.55	0.728	0.900	
206	0.56	0.740	0.900	
207	0.56	0.773	0.900	
208	0.56	0.772	0.900	
220	0.21	0.246		

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

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.85 L/min Dilution Gas 0.40 L/min

Reviewed By:mohan
On:10/12/2024
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ClientSampleId
:TUNE002

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	9.6 V	Deflect	14.2 V
Extract 2	-190.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-90 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	124	Axis Gain	0.9967	QP Bias	-4.0 V
Mass Offset	126	Axis Offset	0.05		

Hardware Settings

Torch

Torch H	1.0 mm	Torch V	-1.2 mm		

EM

Discriminator	3.9 mV	Analog HV	2142 V	Pulse HV	1004 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		34804	348041.73			1.232	
89		166021	1660212.64			1.008	
205		99615	996148.88			1.276	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	34615	35508	34617	34881	34400
89	163888	168531	166230	165986	165472
205	98531	101596	99042	100151	98753

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.85 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	9.6 V	Deflect	2.6 V

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8
ClientSampleId
:TUNE002

US EPA Tune Check Report

Extract 2	-190.0 V	Cell Entrance	-50 V	Plate Bias	-60 V
Omega Bias	-90 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	190 V		

QP Parameters

Mass Gain	124	Axis Gain	0.9967	QP Bias	-13.0 V
Mass Offset	126	Axis Offset	0.05		

Hardware Settings

Torch

Torch H	1.0 mm	Torch V	-1.2 mm

EM

Discriminator	3.9 mV	Analog HV	2142 V	Pulse HV	1004 V

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:01:24	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.04	-0.08	0.12	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	0.00	0.00	0.00	N/A	ppb
Barium	137-1	0.00	0.00	0.00	0.00	N/A	ppb
Beryllium	9-1	0.00	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	-0.02	-0.03	0.00	N/A	ppb
Cadmium	106-1	0.18	0.00	-0.18	0.00	N/A	ppb
Cadmium	111-1	0.01	0.00	-0.01	0.00	N/A	ppb
Calcium	43-1	0.25	0.56	-0.81	0.00	N/A	ppb
Calcium	44-1	0.25	-0.10	-0.16	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	-0.01	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	0.02	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	-0.16	0.13	0.04	0.00	N/A	ppb
Iron	56-2	-0.05	0.04	0.01	0.00	N/A	ppb
Iron	57-2	-0.14	0.14	0.01	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:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:01:24	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	0.10	0.04	-0.14	0.00	N/A	ppb
Manganese	55-2	-0.01	-0.01	0.01	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	0.00	0.00	0.00	N/A	ppb
Phosphorus	31-2	-15.65	-14.14	-17.53	-15.78		ppb
Potassium	39-2	0.25	-0.71	0.46	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	-0.03	0.09	-0.06	0.00	N/A	ppb
Selenium	77-2	-0.09	-0.09	0.18	0.00	N/A	ppb
Selenium	78-2	-0.08	0.16	-0.08	0.00	N/A	ppb
Silicon	28-1	-0.02	0.08	-0.07	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	0.21	-0.07	-0.14	0.00	N/A	ppb
Strontium	86-1	0.01	0.00	-0.01	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	34.78	67.27	1.39	34.48	95.53	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	0.00	0.00	0.00	0.00	N/A	ppb
Titanium	47-1	0.01	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:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:01:24	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	0.09	-0.10	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:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:04:42	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.20	18.74	18.06	18.33	1.98	ppb
Antimony	121-1	1.92	1.95	1.97	1.95	1.37	ppb
Arsenic	75-2	1.15	0.97	1.07	1.06	8.80	ppb
Barium	135-1	9.36	9.42	9.52	9.43	0.84	ppb
Barium	137-1	9.44	9.65	9.85	9.65	2.12	ppb
Beryllium	9-1	0.90	0.89	0.94	0.91	2.77	ppb
Bismuth	209-1				101		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Cadmium	108-1	1.13	1.04	1.02	1.06	5.54	ppb
Cadmium	106-1	0.95	0.89	1.31	1.05	21.85	ppb
Cadmium	111-1	1.03	1.05	1.06	1.05	1.60	ppb
Calcium	43-1	461.40	457.16	481.50	466.69	2.79	ppb
Calcium	44-1	458.16	471.94	470.49	466.86	1.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.98	1.98	1.96	1.97	0.47	ppb
Cobalt	59-2	1.07	1.05	1.05	1.06	0.83	ppb
Copper	63-2	1.99	2.01	2.01	2.00	0.54	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				101		%
Holmium	165-2				100		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	54-2	56.14	52.42	55.66	54.74	3.70	ppb
Iron	56-2	53.54	53.63	53.85	53.67	0.30	ppb
Iron	57-2	55.11	53.00	53.57	53.90	2.03	ppb
Krypton	83-1						cps
Lead	206-1	0.91	0.90	0.94	0.91	2.20	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:04:42	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.94	0.94	0.91	0.93	1.35	ppb
Lead	208-1	0.93	0.91	0.93	0.92	1.24	ppb
Lithium	6-1				100		%
Magnesium	24-2	547.89	546.93	544.68	546.50	0.30	ppb
Manganese	55-2	0.79	0.82	0.79	0.80	2.22	ppb
Molybdenum	94-1	5.14	5.26	5.36	5.25	2.06	ppb
Molybdenum	95-1	4.30	4.43	4.60	4.44	3.37	ppb
Molybdenum	96-1	4.38	4.45	4.58	4.47	2.29	ppb
Molybdenum	97-1	4.26	4.46	4.56	4.43	3.39	ppb
Molybdenum	98-1	4.33	4.46	4.54	4.45	2.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.08	1.05	1.06	1.06	1.46	ppb
Phosphorus	31-2	16.60	11.14	19.58	15.78	27.13	ppb
Potassium	39-2	460.43	459.31	459.61	459.78	0.13	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				103		%
Scandium	45-2				100		%
Selenium	82-1	5.35	4.73	5.50	5.19	7.85	ppb
Selenium	77-2	3.75	4.79	6.68	5.07	29.19	ppb
Selenium	78-2	5.94	4.09	5.52	5.19	18.64	ppb
Silicon	28-1	1.71	1.90	1.90	1.84	6.12	ppb
Silver	107-1	0.95	0.96	1.01	0.97	3.49	ppb
Silver	109-1	1.01	1.03	1.05	1.03	1.61	ppb
Sodium	23-2	491.11	495.08	496.50	494.23	0.57	ppb
Strontium	86-1	0.94	0.95	0.98	0.96	2.42	ppb
Strontium	88-1	0.92	0.96	0.97	0.95	2.50	ppb
Sulfur	34-1	-72.41	-26.00	-5.04	-34.48		ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	0.92	0.93	0.92	0.92	0.59	ppb
Thallium	205-1	0.93	0.93	0.94	0.94	0.77	ppb
Tin	118-1	4.76	4.83	4.88	4.82	1.28	ppb
Titanium	47-1	4.42	4.46	4.51	4.46	0.96	ppb
Uranium	238-1	0.88	0.89	0.88	0.88	0.47	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:04:42	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	4.75	4.85	4.86	4.82	1.32	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	5.21	5.10	4.91	5.07	3.01	ppb
Zirconium	90-1	0.90	0.92	0.93	0.92	1.77	ppb
Zirconium	91-1	0.91	0.91	0.93	0.92	1.51	ppb

Reviewed By:mohan
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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:08:03	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	975.52	981.66	985.30	980.83	0.50	ppb
Antimony	121-1	48.68	49.31	50.24	49.41	1.60	ppb
Arsenic	75-2	51.87	52.70	51.11	51.89	1.53	ppb
Barium	135-1	250.71	252.49	257.68	253.63	1.43	ppb
Barium	137-1	254.64	250.95	256.63	254.07	1.13	ppb
Beryllium	9-1	50.76	49.50	49.12	49.79	1.73	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Cadmium	108-1	53.30	53.15	53.92	53.46	0.76	ppb
Cadmium	106-1	53.64	53.18	52.69	53.17	0.89	ppb
Cadmium	111-1	51.19	51.51	51.93	51.54	0.72	ppb
Calcium	43-1	5574.15	5541.23	5551.02	5555.47	0.30	ppb
Calcium	44-1	5443.84	5450.47	5455.65	5449.99	0.11	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	49.97	48.93	50.00	49.63	1.23	ppb
Cobalt	59-2	50.91	51.47	51.42	51.27	0.61	ppb
Copper	63-2	537.80	542.06	542.86	540.91	0.50	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				102		%
Holmium	165-2				100		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	54-2	2752.20	2694.08	2704.32	2716.87	1.14	ppb
Iron	56-2	2766.00	2721.93	2771.89	2753.28	0.99	ppb
Iron	57-2	2724.13	2712.84	2701.62	2712.86	0.41	ppb
Krypton	83-1						cps
Lead	206-1	244.76	242.08	247.28	244.71	1.06	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:08:03	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	241.81	243.72	243.99	243.17	0.49	ppb
Lead	208-1	243.68	242.31	243.11	243.03	0.28	ppb
Lithium	6-1				101		%
Magnesium	24-2	5335.57	5288.24	5208.90	5277.57	1.21	ppb
Manganese	55-2	525.14	509.08	517.40	517.21	1.55	ppb
Molybdenum	94-1	495.61	493.80	490.83	493.41	0.49	ppb
Molybdenum	95-1	489.87	498.21	494.73	494.27	0.85	ppb
Molybdenum	96-1	497.95	488.27	493.96	493.39	0.99	ppb
Molybdenum	97-1	504.60	491.13	496.64	497.46	1.36	ppb
Molybdenum	98-1	490.41	496.18	492.21	492.93	0.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	51.17	51.63	51.99	51.60	0.80	ppb
Phosphorus	31-2	1025.43	1007.07	1038.88	1023.79	1.56	ppb
Potassium	39-2	2365.96	2356.11	2372.19	2364.75	0.34	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				102		%
Scandium	45-2				99		%
Selenium	82-1	51.94	52.66	52.70	52.43	0.82	ppb
Selenium	77-2	45.90	52.29	49.49	49.23	6.51	ppb
Selenium	78-2	48.73	50.17	52.13	50.34	3.38	ppb
Silicon	28-1	53.36	52.70	52.55	52.87	0.81	ppb
Silver	107-1	55.93	55.01	53.96	54.96	1.80	ppb
Silver	109-1	55.23	54.38	55.81	55.14	1.31	ppb
Sodium	23-2	5214.88	5088.63	5107.30	5136.94	1.33	ppb
Strontium	86-1	1259.77	1259.81	1261.26	1260.28	0.07	ppb
Strontium	88-1	1239.80	1246.43	1240.45	1242.23	0.29	ppb
Sulfur	34-1	1435.58	1301.17	1091.92	1276.22	13.57	ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	47.66	47.44	47.76	47.62	0.34	ppb
Thallium	205-1	49.33	48.88	48.73	48.98	0.63	ppb
Tin	118-1	49.56	50.02	50.47	50.02	0.91	ppb
Titanium	47-1	510.83	502.81	509.69	507.78	0.85	ppb
Uranium	238-1	47.63	46.52	46.48	46.88	1.38	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:08:03	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	48.51	47.94	48.59	48.35	0.73	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				101		%
Zinc	66-2	517.86	526.79	524.80	523.15	0.90	ppb
Zirconium	90-1	49.24	49.56	49.54	49.44	0.36	ppb
Zirconium	91-1	46.69	47.25	46.99	46.98	0.60	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:11:04	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2421.83	2419.74	2404.32	2415.30	0.40	ppb
Antimony	121-1	127.99	127.11	128.80	127.97	0.66	ppb
Arsenic	75-2	126.76	129.61	130.61	128.99	1.55	ppb
Barium	135-1	623.30	642.24	628.95	631.50	1.54	ppb
Barium	137-1	626.32	636.97	630.34	631.21	0.85	ppb
Beryllium	9-1	126.70	125.13	130.82	127.55	2.30	ppb
Bismuth	209-1				99		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Cadmium	108-1	132.20	131.72	134.46	132.79	1.10	ppb
Cadmium	106-1	133.39	129.95	134.19	132.51	1.70	ppb
Cadmium	111-1	127.89	127.47	131.19	128.85	1.58	ppb
Calcium	43-1	14495.58	14843.01	14544.68	14627.76	1.29	ppb
Calcium	44-1	13618.66	13852.25	13663.19	13711.36	0.90	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	121.54	122.07	122.72	122.11	0.49	ppb
Cobalt	59-2	134.34	131.96	129.22	131.84	1.94	ppb
Copper	63-2	1348.88	1331.36	1329.17	1336.47	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				102		%
Holmium	165-2				100		%
Indium	115-1				98		%
Indium	115-2				99		%
Iron	54-2	6879.99	6826.26	6962.19	6889.48	0.99	ppb
Iron	56-2	6785.66	6764.11	6743.93	6764.57	0.31	ppb
Iron	57-2	6645.09	6586.44	6536.23	6589.26	0.83	ppb
Krypton	83-1						cps
Lead	206-1	587.96	616.27	627.81	610.68	3.36	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:11:04	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	587.40	619.25	623.61	610.09	3.24	ppb
Lead	208-1	597.38	619.52	626.57	614.49	2.48	ppb
Lithium	6-1				99		%
Magnesium	24-2	13030.86	12792.50	12860.47	12894.61	0.95	ppb
Manganese	55-2	1272.45	1266.28	1296.64	1278.45	1.25	ppb
Molybdenum	94-1	1221.32	1265.27	1252.96	1246.52	1.82	ppb
Molybdenum	95-1	1219.00	1271.84	1243.29	1244.71	2.12	ppb
Molybdenum	96-1	1223.18	1251.57	1231.83	1235.53	1.18	ppb
Molybdenum	97-1	1232.60	1247.63	1236.61	1238.95	0.63	ppb
Molybdenum	98-1	1229.94	1268.06	1248.21	1248.74	1.53	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	126.04	126.36	126.10	126.17	0.14	ppb
Phosphorus	31-2	2546.83	2490.41	2510.53	2515.93	1.14	ppb
Potassium	39-2	5985.37	6080.10	6035.64	6033.70	0.79	ppb
Rhodium	103-1				97		%
Rhodium	103-2				96		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	126.72	130.43	128.54	128.56	1.44	ppb
Selenium	77-2	130.57	138.00	130.71	133.09	3.19	ppb
Selenium	78-2	125.36	130.35	134.35	130.02	3.47	ppb
Silicon	28-1	129.26	134.98	130.97	131.74	2.23	ppb
Silver	107-1	137.02	133.40	136.12	135.51	1.39	ppb
Silver	109-1	135.11	138.93	139.01	137.68	1.62	ppb
Sodium	23-2	12781.54	12842.98	12831.85	12818.79	0.26	ppb
Strontium	86-1	3142.07	3173.38	3118.78	3144.75	0.87	ppb
Strontium	88-1	3067.67	3156.33	3094.83	3106.28	1.46	ppb
Sulfur	34-1	2673.85	2783.81	2785.34	2747.67	2.33	ppb
Terbium	159-1				100		%
Terbium	159-2				103		%
Thallium	203-1	119.17	121.02	125.11	121.77	2.50	ppb
Thallium	205-1	120.10	124.02	125.33	123.15	2.21	ppb
Tin	118-1	128.50	126.25	128.67	127.80	1.06	ppb
Titanium	47-1	1214.77	1241.62	1255.26	1237.22	1.67	ppb
Uranium	238-1	116.60	119.48	120.10	118.73	1.57	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:11:04	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	120.92	120.53	121.57	121.01	0.43	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	1280.61	1285.43	1283.70	1283.25	0.19	ppb
Zirconium	90-1	122.07	122.69	124.68	123.15	1.11	ppb
Zirconium	91-1	121.51	125.08	125.56	124.05	1.79	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:14:09	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4881.94	4960.92	4897.58	4913.48	0.85	ppb
Antimony	121-1	250.92	249.13	246.49	248.84	0.90	ppb
Arsenic	75-2	255.48	257.66	261.70	258.28	1.22	ppb
Barium	135-1	1223.65	1238.91	1218.24	1226.93	0.87	ppb
Barium	137-1	1258.26	1217.15	1246.28	1240.56	1.70	ppb
Beryllium	9-1	248.64	257.80	256.17	254.20	1.92	ppb
Bismuth	209-1				96		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	261.84	256.67	257.39	258.63	1.08	ppb
Cadmium	106-1	259.11	254.10	257.51	256.91	0.99	ppb
Cadmium	111-1	260.19	258.66	258.04	258.96	0.43	ppb
Calcium	43-1	29136.24	28544.72	28833.85	28838.27	1.03	ppb
Calcium	44-1	27145.22	26611.53	27297.10	27017.95	1.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	257.80	255.80	259.68	257.76	0.75	ppb
Cobalt	59-2	265.61	257.51	260.24	261.12	1.58	ppb
Copper	63-2	2676.94	2606.51	2610.05	2631.17	1.51	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				100		%
Indium	115-1				99		%
Indium	115-2				97		%
Iron	54-2	13660.20	13790.08	13907.46	13785.91	0.90	ppb
Iron	56-2	13755.36	13287.68	13400.67	13481.24	1.81	ppb
Iron	57-2	14005.51	13654.53	13902.89	13854.31	1.30	ppb
Krypton	83-1						cps
Lead	206-1	1248.37	1239.86	1232.57	1240.27	0.64	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:14:09	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1256.10	1198.64	1231.80	1228.85	2.35	ppb
Lead	208-1	1247.97	1215.47	1235.07	1232.84	1.33	ppb
Lithium	6-1				98		%
Magnesium	24-2	26669.28	26044.98	26312.51	26342.26	1.19	ppb
Manganese	55-2	2546.38	2519.49	2522.05	2529.31	0.59	ppb
Molybdenum	94-1	2490.21	2441.65	2504.20	2478.69	1.32	ppb
Molybdenum	95-1	2512.15	2482.80	2465.38	2486.78	0.95	ppb
Molybdenum	96-1	2457.71	2491.44	2456.05	2468.40	0.81	ppb
Molybdenum	97-1	2489.57	2428.89	2465.42	2461.29	1.24	ppb
Molybdenum	98-1	2527.63	2449.59	2498.29	2491.84	1.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	250.21	248.33	249.32	249.28	0.38	ppb
Phosphorus	31-2	5101.31	5060.50	5098.28	5086.69	0.45	ppb
Potassium	39-2	12276.95	12057.90	12221.52	12185.45	0.93	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				101		%
Scandium	45-2				99		%
Selenium	82-1	255.66	254.01	256.05	255.24	0.42	ppb
Selenium	77-2	259.91	249.69	266.74	258.78	3.32	ppb
Selenium	78-2	251.34	257.66	250.22	253.07	1.59	ppb
Silicon	28-1	264.91	253.07	260.13	259.37	2.30	ppb
Silver	107-1	267.06	256.14	261.53	261.58	2.09	ppb
Silver	109-1	264.71	261.96	259.96	262.21	0.91	ppb
Sodium	23-2	26146.86	26032.91	26047.66	26075.81	0.24	ppb
Strontium	86-1	6211.57	6241.36	6269.98	6240.97	0.47	ppb
Strontium	88-1	6226.97	6123.14	6087.48	6145.86	1.18	ppb
Sulfur	34-1	5312.60	4861.60	5075.23	5083.14	4.44	ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	245.12	245.70	244.56	245.12	0.23	ppb
Thallium	205-1	247.77	245.01	250.21	247.66	1.05	ppb
Tin	118-1	252.03	248.38	250.65	250.35	0.74	ppb
Titanium	47-1	2504.05	2467.48	2542.61	2504.71	1.50	ppb
Uranium	238-1	241.08	241.67	242.60	241.78	0.32	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:14:09	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	249.33	248.18	249.84	249.12	0.34	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	2639.67	2607.95	2614.31	2620.65	0.64	ppb
Zirconium	90-1	250.34	245.75	249.64	248.57	1.00	ppb
Zirconium	91-1	250.08	249.52	250.61	250.07	0.22	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:17:10	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9905.40	9875.22	9713.16	9831.26	1.05	ppb
Antimony	121-1	502.92	501.11	503.19	502.41	0.23	ppb
Arsenic	75-2	517.15	506.82	511.07	511.68	1.01	ppb
Barium	135-1	2506.48	2491.77	2476.88	2491.71	0.59	ppb
Barium	137-1	2512.60	2477.78	2503.69	2498.02	0.72	ppb
Beryllium	9-1	495.73	500.22	504.22	500.06	0.85	ppb
Bismuth	209-1				94		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Cadmium	108-1	511.97	509.00	516.75	512.57	0.76	ppb
Cadmium	106-1	515.11	511.22	512.72	513.02	0.38	ppb
Cadmium	111-1	518.63	502.74	516.23	512.53	1.67	ppb
Calcium	43-1	56784.20	57375.07	56794.17	56984.48	0.59	ppb
Calcium	44-1	53391.35	54419.66	53469.19	53760.07	1.07	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	504.80	500.88	500.16	501.94	0.50	ppb
Cobalt	59-2	512.44	498.23	500.98	503.88	1.50	ppb
Copper	63-2	5132.69	5115.55	5080.93	5109.72	0.52	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				99		%
Indium	115-1				96		%
Indium	115-2				96		%
Iron	54-2	26739.05	27285.92	26593.76	26872.91	1.36	ppb
Iron	56-2	26676.78	26487.96	26454.88	26539.87	0.45	ppb
Iron	57-2	26967.89	26725.58	26784.72	26826.06	0.47	ppb
Krypton	83-1						cps
Lead	206-1	2458.53	2493.63	2481.03	2477.73	0.72	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:17:10	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2467.25	2473.86	2431.71	2457.61	0.92	ppb
Lead	208-1	2475.55	2466.67	2445.62	2462.61	0.62	ppb
Lithium	6-1				97		%
Magnesium	24-2	52305.24	51647.32	51564.89	51839.15	0.78	ppb
Manganese	55-2	5003.38	5006.86	4961.84	4990.70	0.50	ppb
Molybdenum	94-1	4930.43	5040.32	5039.28	5003.34	1.26	ppb
Molybdenum	95-1	4948.56	4985.43	5101.04	5011.68	1.59	ppb
Molybdenum	96-1	4939.51	4991.28	5010.32	4980.37	0.74	ppb
Molybdenum	97-1	4965.37	5044.19	5025.13	5011.57	0.82	ppb
Molybdenum	98-1	4946.46	5061.23	5089.05	5032.25	1.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	517.92	521.76	515.80	518.49	0.58	ppb
Phosphorus	31-2	10022.06	10022.59	9923.46	9989.37	0.57	ppb
Potassium	39-2	24388.05	24045.95	24295.99	24243.33	0.73	ppb
Rhodium	103-1				93		%
Rhodium	103-2				92		%
Scandium	45-1				100		%
Scandium	45-2				98		%
Selenium	82-1	510.80	510.75	514.63	512.06	0.44	ppb
Selenium	77-2	511.80	490.31	485.88	496.00	2.79	ppb
Selenium	78-2	494.53	504.00	507.50	502.01	1.34	ppb
Silicon	28-1	519.86	510.32	508.15	512.77	1.21	ppb
Silver	107-1	507.17	512.77	511.05	510.33	0.56	ppb
Silver	109-1	516.00	504.56	511.04	510.53	1.12	ppb
Sodium	23-2	51393.52	51352.93	50902.41	51216.29	0.53	ppb
Strontium	86-1	12475.64	12507.04	12495.52	12492.74	0.13	ppb
Strontium	88-1	12321.66	12289.84	12519.83	12377.11	1.01	ppb
Sulfur	34-1	10188.24	9920.70	10106.60	10071.85	1.36	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	487.77	493.69	496.43	492.63	0.90	ppb
Thallium	205-1	493.57	495.57	494.77	494.64	0.20	ppb
Tin	118-1	500.21	500.64	506.98	502.61	0.75	ppb
Titanium	47-1	4931.33	5055.38	4977.88	4988.20	1.26	ppb
Uranium	238-1	489.99	482.84	489.07	487.30	0.80	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:17:10	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	491.49	500.38	499.53	497.13	0.99	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	5128.32	5073.31	5047.74	5083.12	0.81	ppb
Zirconium	90-1	492.14	502.54	497.65	497.44	1.05	ppb
Zirconium	91-1	491.19	501.17	509.35	500.57	1.82	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:20:14	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19674.98	19389.19	19463.25	19509.14	0.76	ppb
Antimony	121-1	1013.29	997.17	985.78	998.74	1.38	ppb
Arsenic	75-2	988.17	986.46	999.86	991.50	0.74	ppb
Barium	135-1	5060.15	4991.41	4975.20	5008.92	0.90	ppb
Barium	137-1	5024.81	5024.88	4957.42	5002.37	0.78	ppb
Beryllium	9-1	992.76	1007.49	995.58	998.61	0.78	ppb
Bismuth	209-1				91		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	1002.31	985.44	983.47	990.41	1.05	ppb
Cadmium	106-1	1002.90	988.01	981.09	990.67	1.13	ppb
Cadmium	111-1	992.54	989.57	990.70	990.93	0.15	ppb
Calcium	43-1	113998.79	114673.04	114709.45	114460.42	0.35	ppb
Calcium	44-1	107065.68	108289.20	105956.09	107103.65	1.09	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1014.88	975.90	1001.62	997.47	1.99	ppb
Cobalt	59-2	997.44	1003.15	982.50	994.36	1.07	ppb
Copper	63-2	9952.15	9993.74	9752.58	9899.49	1.30	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				102		%
Holmium	165-2				99		%
Indium	115-1				95		%
Indium	115-2				95		%
Iron	54-2	54064.15	52978.28	53397.29	53479.90	1.02	ppb
Iron	56-2	53206.93	52555.55	52607.14	52789.87	0.69	ppb
Iron	57-2	53160.45	53497.59	52409.13	53022.39	1.05	ppb
Krypton	83-1						cps
Lead	206-1	5040.12	4986.63	5020.12	5015.62	0.54	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:20:14	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	5066.98	4994.82	5024.26	5028.69	0.72	ppb
Lead	208-1	5024.64	4990.98	5058.32	5024.65	0.67	ppb
Lithium	6-1				97		%
Magnesium	24-2	103812.35	101327.71	103808.88	102982.98	1.39	ppb
Manganese	55-2	10094.43	9871.36	10012.94	9992.91	1.13	ppb
Molybdenum	94-1	10085.10	9958.85	9969.31	10004.42	0.70	ppb
Molybdenum	95-1	10112.32	9977.23	9905.69	9998.41	1.05	ppb
Molybdenum	96-1	9986.08	10105.01	9968.48	10019.85	0.74	ppb
Molybdenum	97-1	10011.09	10000.15	10004.97	10005.40	0.05	ppb
Molybdenum	98-1	10143.37	9880.88	9935.04	9986.43	1.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	994.86	989.96	987.30	990.71	0.39	ppb
Phosphorus	31-2	20033.72	19842.12	20065.54	19980.46	0.60	ppb
Potassium	39-2	49263.41	49051.70	49169.15	49161.42	0.22	ppb
Rhodium	103-1				90		%
Rhodium	103-2				89		%
Scandium	45-1				101		%
Scandium	45-2				98		%
Selenium	82-1	1006.86	990.49	978.92	992.09	1.42	ppb
Selenium	77-2	998.69	963.34	1034.47	998.83	3.56	ppb
Selenium	78-2	996.55	983.16	1013.03	997.58	1.50	ppb
Silicon	28-1	993.55	994.16	983.39	990.37	0.61	ppb
Silver	107-1	1003.17	983.74	984.22	990.38	1.12	ppb
Silver	109-1	983.75	991.91	993.85	989.84	0.54	ppb
Sodium	23-2	105412.05	101873.99	102256.07	103180.70	1.88	ppb
Strontium	86-1	25217.34	24862.55	24882.73	24987.54	0.80	ppb
Strontium	88-1	25445.19	24772.55	25005.43	25074.39	1.36	ppb
Sulfur	34-1	19908.38	20156.97	19630.21	19898.52	1.32	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	999.46	1010.16	1006.66	1005.43	0.54	ppb
Thallium	205-1	996.75	993.41	1020.48	1003.55	1.47	ppb
Tin	118-1	1017.46	984.59	992.72	998.26	1.72	ppb
Titanium	47-1	9953.40	10056.05	10008.35	10005.93	0.51	ppb
Uranium	238-1	1008.58	1004.83	1014.62	1009.35	0.49	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:20:14	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	1016.61	987.55	1002.55	1002.24	1.45	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	9982.36	9935.18	9851.35	9922.96	0.67	ppb
Zirconium	90-1	1006.48	1001.46	997.75	1001.90	0.44	ppb
Zirconium	91-1	1017.14	993.98	988.78	999.97	1.51	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:23:16	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	99397.55	101195.52	99771.98	100121.68	0.95	ppb
Antimony	121-1	0.52	0.59	0.73	0.61	17.78	ppb
Arsenic	75-2	0.53	0.52	0.52	0.52	0.35	ppb
Barium	135-1	1.85	1.99	1.95	1.93	3.65	ppb
Barium	137-1	1.95	1.99	1.96	1.97	1.06	ppb
Beryllium	9-1	0.20	0.19	0.16	0.18	11.72	ppb
Bismuth	209-1				70		%
Bismuth	209-2				73		%
Bromine	81-1						cps
Cadmium	108-1	0.44	0.51	0.43	0.46	9.02	ppb
Cadmium	106-1	-0.66	0.23	0.37	-0.02		ppb
Cadmium	111-1	0.11	0.18	0.19	0.16	24.72	ppb
Calcium	43-1	496057.16	498095.22	494324.13	496158.84	0.38	ppb
Calcium	44-1	496728.24	499730.55	497744.06	498067.61	0.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.60	3.24	3.36	3.40	5.35	ppb
Cobalt	59-2	2.11	2.14	2.14	2.13	0.88	ppb
Copper	63-2	2.29	2.24	2.12	2.22	3.98	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				85		%
Holmium	165-2				90		%
Indium	115-1				78		%
Indium	115-2				88		%
Iron	54-2	247354.35	250373.90	249374.58	249034.28	0.62	ppb
Iron	56-2	247362.25	248648.75	251659.73	249223.58	0.89	ppb
Iron	57-2	249466.74	246523.68	251413.34	249134.59	0.99	ppb
Krypton	83-1						cps
Lead	206-1	1.36	1.35	1.36	1.36	0.37	ppb

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On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:23:16	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1.39	1.40	1.31	1.37	3.75	ppb
Lead	208-1	1.36	1.37	1.32	1.35	1.78	ppb
Lithium	6-1				76		%
Magnesium	24-2	497201.32	501385.78	498831.97	499139.69	0.42	ppb
Manganese	55-2	4.14	4.16	4.20	4.16	0.77	ppb
Molybdenum	94-1	2.65	2.47	2.55	2.56	3.66	ppb
Molybdenum	95-1	2.03	2.01	2.12	2.05	2.96	ppb
Molybdenum	96-1	2.30	2.39	2.34	2.34	1.95	ppb
Molybdenum	97-1	1.80	1.70	1.84	1.78	4.18	ppb
Molybdenum	98-1	1.78	1.71	1.80	1.76	2.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.26	4.10	4.18	4.18	1.84	ppb
Phosphorus	31-2	-3.30	-6.08	-7.56	-5.65		ppb
Potassium	39-2	247160.23	251547.10	252090.52	250265.95	1.08	ppb
Rhodium	103-1				69		%
Rhodium	103-2				73		%
Scandium	45-1				83		%
Scandium	45-2				92		%
Selenium	82-1	-0.16	-0.01	-0.09	-0.09		ppb
Selenium	77-2	0.20	0.76	0.19	0.38	85.76	ppb
Selenium	78-2	0.37	0.28	0.44	0.36	22.16	ppb
Silicon	28-1	9.30	8.85	7.95	8.70	7.90	ppb
Silver	107-1	0.09	0.09	0.08	0.09	9.24	ppb
Silver	109-1	0.10	0.08	0.08	0.09	13.41	ppb
Sodium	23-2	498876.21	494889.76	503771.35	499179.11	0.89	ppb
Strontium	86-1	3.72	3.48	3.34	3.51	5.52	ppb
Strontium	88-1	3.50	3.39	3.36	3.42	2.02	ppb
Sulfur	34-1	-107.66	-36.00	-1.02	-48.23		ppb
Terbium	159-1				84		%
Terbium	159-2				89		%
Thallium	203-1	0.16	0.16	0.14	0.16	8.13	ppb
Thallium	205-1	0.17	0.17	0.15	0.16	6.87	ppb
Tin	118-1	1.04	1.08	1.06	1.06	1.85	ppb
Titanium	47-1	3.04	3.19	3.22	3.15	3.05	ppb
Uranium	238-1	0.05	0.04	0.03	0.04	21.64	ppb

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:23:16	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.20	0.17	0.20	0.19	8.62	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				84		%
Yttrium	89-2				95		%
Zinc	66-2	4.35	4.31	4.23	4.30	1.41	ppb
Zirconium	90-1	0.52	0.53	0.53	0.53	0.38	ppb
Zirconium	91-1	0.52	0.53	0.55	0.53	2.84	ppb

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P8
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:27:53	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	475.57	478.86	475.36	476.59	0.41	ppb
Antimony	121-1	201.48	205.83	207.57	204.96	1.53	ppb
Arsenic	75-2	208.06	203.47	205.58	205.70	1.12	ppb
Barium	135-1	96.69	99.22	100.43	98.78	1.93	ppb
Barium	137-1	97.77	102.04	101.38	100.40	2.29	ppb
Beryllium	9-1	103.16	100.63	99.69	101.16	1.78	ppb
Bismuth	209-1				100		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Cadmium	108-1	76.93	79.52	79.31	78.58	1.83	ppb
Cadmium	106-1	76.11	78.33	79.93	78.12	2.45	ppb
Cadmium	111-1	102.07	104.89	105.80	104.25	1.87	ppb
Calcium	43-1	1848.19	1876.92	1875.74	1866.95	0.87	ppb
Calcium	44-1	1964.07	1940.63	1954.94	1953.21	0.61	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	98.83	99.55	98.76	99.05	0.44	ppb
Cobalt	59-2	106.56	108.60	107.16	107.44	0.98	ppb
Copper	63-2	98.88	100.54	99.46	99.63	0.84	ppb
Dysprosium	156-1						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				109		%
Indium	115-1				103		%
Indium	115-2				111		%
Iron	54-2	2163.87	2188.08	2176.24	2176.06	0.56	ppb
Iron	56-2	2165.02	2155.02	2147.49	2155.84	0.41	ppb
Iron	57-2	2083.06	2104.06	2114.50	2100.54	0.76	ppb
Krypton	83-1						cps
Lead	206-1	201.93	198.93	201.96	200.94	0.87	ppb

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P8
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:27:53	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	190.24	188.47	193.40	190.71	1.31	ppb
Lead	208-1	194.62	194.40	196.52	195.18	0.60	ppb
Lithium	6-1				101		%
Magnesium	24-2	1221.27	1233.98	1248.45	1234.56	1.10	ppb
Manganese	55-2	100.34	100.79	100.26	100.46	0.28	ppb
Molybdenum	94-1	0.19	0.21	0.23	0.21	9.03	ppb
Molybdenum	95-1	0.08	0.08	0.09	0.08	8.34	ppb
Molybdenum	96-1	0.10	0.12	0.11	0.11	8.99	ppb
Molybdenum	97-1	0.07	0.07	0.09	0.07	14.95	ppb
Molybdenum	98-1	0.07	0.08	0.08	0.08	8.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	102.17	102.56	102.80	102.51	0.31	ppb
Phosphorus	31-2	-15.07	-17.06	-13.94	-15.36		ppb
Potassium	39-2	1856.08	1868.00	1884.93	1869.67	0.78	ppb
Rhodium	103-1				101		%
Rhodium	103-2				106		%
Scandium	45-1				104		%
Scandium	45-2				108		%
Selenium	82-1	205.52	209.96	213.22	209.57	1.84	ppb
Selenium	77-2	216.46	208.03	212.49	212.33	1.99	ppb
Selenium	78-2	217.86	208.38	215.11	213.78	2.28	ppb
Silicon	28-1	1.24	1.46	1.45	1.38	9.07	ppb
Silver	107-1	52.26	53.96	53.30	53.17	1.61	ppb
Silver	109-1	55.51	55.30	56.28	55.70	0.92	ppb
Sodium	23-2	2035.72	2054.70	2024.57	2038.33	0.75	ppb
Strontium	86-1	0.25	0.27	0.31	0.28	10.53	ppb
Strontium	88-1	0.29	0.28	0.27	0.28	3.82	ppb
Sulfur	34-1	-256.10	-179.52	-178.26	-204.63		ppb
Terbium	159-1				101		%
Terbium	159-2				109		%
Thallium	203-1	196.32	192.93	193.21	194.16	0.97	ppb
Thallium	205-1	195.81	194.23	194.59	194.88	0.43	ppb
Tin	118-1	0.03	0.03	0.04	0.03	13.72	ppb
Titanium	47-1	0.00	0.01	0.04	0.02	100.99	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	35.04	ppb

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P8
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:27:53	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	94.63	94.68	94.79	94.70	0.09	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				110		%
Zinc	66-2	199.03	201.18	204.66	201.62	1.41	ppb
Zirconium	90-1	0.07	0.08	0.08	0.08	7.70	ppb
Zirconium	91-1	0.17	0.17	0.20	0.18	8.51	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P8
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:30:58	DataFile Name :	013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.10	-0.18	-0.01	-0.10		ppb
Antimony	121-1	0.05	0.07	0.11	0.08	41.95	ppb
Arsenic	75-2	0.01	0.02	0.02	0.01	19.25	ppb
Barium	135-1	0.01	0.00	0.00	0.00	431.37	ppb
Barium	137-1	0.00	0.00	0.00	0.00		ppb
Beryllium	9-1	0.06	0.06	0.06	0.06	5.63	ppb
Bismuth	209-1				101		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Cadmium	108-1	0.02	0.04	0.00	0.02	119.51	ppb
Cadmium	106-1	1.62	0.02	0.26	0.63	136.41	ppb
Cadmium	111-1	0.16	0.02	0.03	0.07	108.17	ppb
Calcium	43-1	-0.78	-1.66	-0.87	-1.10		ppb
Calcium	44-1	-0.94	-0.89	-1.16	-1.00		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	0.00	0.00	-0.01		ppb
Cobalt	59-2	0.00	0.01	0.00	0.00	59.43	ppb
Copper	63-2	0.12	0.15	0.13	0.13	12.55	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				106		%
Indium	115-1				104		%
Indium	115-2				110		%
Iron	54-2	-0.03	0.06	0.04	0.02	190.16	ppb
Iron	56-2	0.21	0.64	0.16	0.33	78.51	ppb
Iron	57-2	-0.06	0.26	0.15	0.11	140.75	ppb
Krypton	83-1						cps
Lead	206-1	0.08	0.07	0.07	0.07	9.06	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P8
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:30:58	DataFile Name :	013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.08	0.08	0.07	0.08	9.21	ppb
Lead	208-1	0.08	0.07	0.07	0.07	8.72	ppb
Lithium	6-1				102		%
Magnesium	24-2	0.53	0.37	0.33	0.41	26.17	ppb
Manganese	55-2	-0.18	-0.19	-0.19	-0.18		ppb
Molybdenum	94-1	0.05	0.05	0.05	0.05	3.53	ppb
Molybdenum	95-1	0.02	0.02	0.02	0.02	4.22	ppb
Molybdenum	96-1	0.02	0.03	0.03	0.03	26.73	ppb
Molybdenum	97-1	0.02	0.02	0.03	0.02	26.49	ppb
Molybdenum	98-1	0.02	0.01	0.02	0.02	23.86	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	-0.02	-0.02	-0.02		ppb
Phosphorus	31-2	-14.26	-14.15	-16.45	-14.95		ppb
Potassium	39-2	11.75	11.63	11.26	11.54	2.21	ppb
Rhodium	103-1				103		%
Rhodium	103-2				106		%
Scandium	45-1				106		%
Scandium	45-2				108		%
Selenium	82-1	0.09	-0.12	0.21	0.06	281.37	ppb
Selenium	77-2	-0.09	0.16	-0.09	-0.01		ppb
Selenium	78-2	0.04	-0.18	-0.04	-0.06		ppb
Silicon	28-1	0.54	0.38	0.27	0.40	33.61	ppb
Silver	107-1	0.01	0.01	0.01	0.01	15.12	ppb
Silver	109-1	0.01	0.01	0.01	0.01	6.86	ppb
Sodium	23-2	27.26	27.26	25.86	26.79	3.00	ppb
Strontium	86-1	0.02	0.00	0.00	0.00	214.16	ppb
Strontium	88-1	0.01	0.00	0.00	0.00	153.58	ppb
Sulfur	34-1	-196.64	-262.13	-212.38	-223.72		ppb
Terbium	159-1				102		%
Terbium	159-2				107		%
Thallium	203-1	0.05	0.04	0.04	0.04	8.89	ppb
Thallium	205-1	0.05	0.05	0.04	0.05	11.21	ppb
Tin	118-1	-0.01	-0.01	-0.01	-0.01		ppb
Titanium	47-1	-0.02	-0.03	-0.02	-0.02		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P8
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:30:58	DataFile Name :	013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00	85.36	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				109		%
Zinc	66-2	0.03	0.08	-0.02	0.03	163.54	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	0.86	ppb
Zirconium	91-1	0.02	0.02	0.02	0.02	15.33	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P8
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:34:19	DataFile Name :	014ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	90452.69	89540.34	89625.64	89872.89	0.56	ppb
Antimony	121-1	1.11	1.12	1.15	1.13	1.50	ppb
Arsenic	75-2	0.49	0.39	0.44	0.44	11.33	ppb
Barium	135-1	1.30	1.36	1.38	1.35	2.83	ppb
Barium	137-1	1.39	1.38	1.38	1.38	0.61	ppb
Beryllium	9-1	0.42	0.41	0.42	0.42	1.47	ppb
Bismuth	209-1				88		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	23.92	23.73	24.08	23.91	0.72	ppb
Cadmium	106-1	-1.85	-0.95	-2.17	-1.66		ppb
Cadmium	111-1	0.82	0.93	0.80	0.85	8.11	ppb
Calcium	43-1	95154.97	90311.82	92477.58	92648.12	2.62	ppb
Calcium	44-1	95250.13	93597.89	94497.31	94448.44	0.88	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	18.58	18.44	18.52	18.51	0.36	ppb
Cobalt	59-2	1.13	1.10	1.13	1.12	1.42	ppb
Copper	63-2	7.44	7.37	7.47	7.43	0.70	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				102		%
Indium	115-1				94		%
Indium	115-2				100		%
Iron	54-2	101594.77	100597.51	99795.80	100662.69	0.90	ppb
Iron	56-2	101260.78	101195.46	101645.00	101367.08	0.24	ppb
Iron	57-2	101857.81	99586.37	101212.07	100885.41	1.16	ppb
Krypton	83-1						cps
Lead	206-1	4.62	4.54	4.54	4.57	0.99	ppb

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P8
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:34:19	DataFile Name :	014ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	4.16	4.16	4.17	4.16	0.07	ppb
Lead	208-1	4.32	4.32	4.32	4.32	0.12	ppb
Lithium	6-1				97		%
Magnesium	24-2	99301.56	100600.22	100999.61	100300.46	0.89	ppb
Manganese	55-2	7.27	7.25	7.14	7.22	0.94	ppb
Molybdenum	94-1	1474.51	1464.68	1474.59	1471.26	0.39	ppb
Molybdenum	95-1	1784.81	1768.15	1820.51	1791.16	1.49	ppb
Molybdenum	96-1	1731.49	1710.26	1779.14	1740.30	2.03	ppb
Molybdenum	97-1	1786.93	1773.18	1784.30	1781.47	0.41	ppb
Molybdenum	98-1	1785.10	1792.67	1801.23	1793.00	0.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.94	4.82	4.78	4.85	1.71	ppb
Phosphorus	31-2	99197.64	99191.62	99495.29	99294.85	0.17	ppb
Potassium	39-2	92225.89	94230.80	94569.24	93675.31	1.35	ppb
Rhodium	103-1				90		%
Rhodium	103-2				93		%
Scandium	45-1				103		%
Scandium	45-2				106		%
Selenium	82-1	0.38	-0.01	0.14	0.17	114.31	ppb
Selenium	77-2	-0.09	0.17	0.42	0.17	153.48	ppb
Selenium	78-2	-0.25	-0.02	0.20	-0.02		ppb
Silicon	28-1	9.39	8.45	8.66	8.83	5.56	ppb
Silver	107-1	0.09	0.09	0.09	0.09	2.87	ppb
Silver	109-1	0.03	0.03	0.03	0.03	6.41	ppb
Sodium	23-2	100418.53	99852.36	99570.19	99947.03	0.43	ppb
Strontium	86-1	31.83	31.40	32.29	31.84	1.39	ppb
Strontium	88-1	33.36	32.94	33.55	33.28	0.94	ppb
Sulfur	34-1	96796.52	96643.59	97886.70	97108.94	0.70	ppb
Terbium	159-1				99		%
Terbium	159-2				103		%
Thallium	203-1	0.16	0.17	0.17	0.16	4.00	ppb
Thallium	205-1	0.16	0.17	0.18	0.17	3.79	ppb
Tin	118-1	0.17	0.17	0.16	0.17	3.08	ppb
Titanium	47-1	1936.95	1908.69	1947.71	1931.12	1.04	ppb
Uranium	238-1	0.02	0.02	0.02	0.02	4.32	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P8
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:34:19	DataFile Name :	014ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.15	0.16	0.16	0.16	4.51	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	10.02	9.92	10.16	10.04	1.22	ppb
Zirconium	90-1	0.04	0.04	0.05	0.05	5.14	ppb
Zirconium	91-1	0.03	0.04	0.04	0.04	11.06	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P8
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:37:26	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	87606.26	88077.55	87700.09	87794.63	0.28	ppb
Antimony	121-1	20.89	20.63	20.99	20.84	0.88	ppb
Arsenic	75-2	21.13	21.09	21.03	21.08	0.23	ppb
Barium	135-1	20.79	20.56	20.52	20.63	0.71	ppb
Barium	137-1	21.27	21.03	21.13	21.15	0.57	ppb
Beryllium	9-1	18.32	18.02	18.28	18.21	0.89	ppb
Bismuth	209-1				92		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	38.47	38.32	38.13	38.30	0.44	ppb
Cadmium	106-1	13.49	12.95	13.51	13.32	2.42	ppb
Cadmium	111-1	20.13	19.73	20.15	20.00	1.19	ppb
Calcium	43-1	92487.90	93678.68	95885.70	94017.43	1.83	ppb
Calcium	44-1	94162.31	94497.24	96530.22	95063.26	1.35	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	37.12	36.97	36.94	37.01	0.25	ppb
Cobalt	59-2	20.04	19.91	19.70	19.88	0.86	ppb
Copper	63-2	26.33	26.80	26.85	26.66	1.07	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				102		%
Holmium	165-2				103		%
Indium	115-1				99		%
Indium	115-2				102		%
Iron	54-2	100917.18	100156.80	99082.48	100052.15	0.92	ppb
Iron	56-2	101322.90	100828.67	99764.50	100638.69	0.79	ppb
Iron	57-2	102972.40	100821.93	101226.94	101673.76	1.12	ppb
Krypton	83-1						cps
Lead	206-1	27.51	27.26	27.83	27.54	1.04	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P8
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:37:26	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	27.04	26.54	27.12	26.90	1.18	ppb
Lead	208-1	27.10	26.74	27.27	27.04	1.00	ppb
Lithium	6-1				103		%
Magnesium	24-2	99357.77	99011.82	98947.57	99105.72	0.22	ppb
Manganese	55-2	25.81	25.77	25.59	25.73	0.47	ppb
Molybdenum	94-1	1502.34	1510.45	1460.93	1491.24	1.78	ppb
Molybdenum	95-1	1828.69	1838.86	1764.65	1810.73	2.22	ppb
Molybdenum	96-1	1763.20	1776.58	1729.94	1756.57	1.37	ppb
Molybdenum	97-1	1799.99	1815.81	1776.65	1797.48	1.10	ppb
Molybdenum	98-1	1808.49	1824.66	1783.44	1805.53	1.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	23.23	23.13	22.78	23.04	1.03	ppb
Phosphorus	31-2	100445.28	99174.11	98547.30	99388.90	0.97	ppb
Potassium	39-2	95154.86	94254.79	94202.03	94537.23	0.57	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				106		%
Scandium	45-2				109		%
Selenium	82-1	20.54	21.44	20.38	20.79	2.76	ppb
Selenium	77-2	19.41	18.42	25.30	21.05	17.67	ppb
Selenium	78-2	22.59	20.82	20.77	21.40	4.84	ppb
Silicon	28-1	9.24	9.06	9.40	9.24	1.86	ppb
Silver	107-1	17.74	17.66	17.71	17.70	0.25	ppb
Silver	109-1	18.81	18.69	18.76	18.75	0.31	ppb
Sodium	23-2	98737.71	99748.56	99782.05	99422.77	0.60	ppb
Strontium	86-1	32.50	32.51	31.86	32.29	1.16	ppb
Strontium	88-1	33.41	33.23	33.38	33.34	0.28	ppb
Sulfur	34-1	98206.63	96592.93	98457.99	97752.51	1.04	ppb
Terbium	159-1				102		%
Terbium	159-2				105		%
Thallium	203-1	22.61	22.08	22.57	22.42	1.32	ppb
Thallium	205-1	23.16	22.91	23.54	23.20	1.36	ppb
Tin	118-1	0.20	0.18	0.19	0.19	4.15	ppb
Titanium	47-1	1929.22	1906.75	1941.35	1925.78	0.91	ppb
Uranium	238-1	0.02	0.02	0.02	0.02	1.44	ppb

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P8
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:37:26	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	18.51	18.54	18.45	18.50	0.25	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	28.62	28.92	28.29	28.61	1.10	ppb
Zirconium	90-1	0.02	0.03	0.03	0.03	18.61	ppb
Zirconium	91-1	0.04	0.04	0.04	0.04	1.60	ppb

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV006	Instrumnet Name :	P8
Client Sample ID :	CCV006	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:40:35	DataFile Name :	016CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	54107.34	52797.54	54608.22	53837.70	1.74	ppb
Antimony	121-1	498.31	514.82	503.62	505.59	1.67	ppb
Arsenic	75-2	512.31	521.39	511.84	515.18	1.04	ppb
Barium	135-1	2546.16	2598.65	2591.83	2578.88	1.11	ppb
Barium	137-1	2533.28	2636.09	2587.99	2585.79	1.99	ppb
Beryllium	9-1	504.77	507.96	530.59	514.44	2.74	ppb
Bismuth	209-1				83		%
Bismuth	209-2				84		%
Bromine	81-1						cps
Cadmium	108-1	513.29	535.76	520.75	523.27	2.19	ppb
Cadmium	106-1	521.46	540.43	517.89	526.59	2.30	ppb
Cadmium	111-1	510.75	537.90	515.27	521.31	2.79	ppb
Calcium	43-1	250332.70	269534.51	255632.41	258499.87	3.84	ppb
Calcium	44-1	252952.88	258148.15	255194.10	255431.71	1.02	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	510.91	499.73	505.12	505.25	1.11	ppb
Cobalt	59-2	486.46	500.06	497.15	494.56	1.45	ppb
Copper	63-2	4885.16	4937.13	4837.99	4886.76	1.01	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				97		%
Holmium	165-2				99		%
Indium	115-1				93		%
Indium	115-2				97		%
Iron	54-2	131782.26	129135.75	128271.35	129729.79	1.41	ppb
Iron	56-2	127400.27	131155.62	130211.83	129589.24	1.51	ppb
Iron	57-2	128638.68	130864.01	128527.47	129343.38	1.02	ppb
Krypton	83-1						cps
Lead	206-1	2549.24	2604.09	2630.86	2594.73	1.60	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV006	Instrumnet Name :	P8
Client Sample ID :	CCV006	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:40:35	DataFile Name :	016CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2553.52	2669.09	2571.07	2597.90	2.40	ppb
Lead	208-1	2550.33	2660.03	2611.80	2607.39	2.11	ppb
Lithium	6-1				95		%
Magnesium	24-2	265724.22	267242.36	263998.32	265654.96	0.61	ppb
Manganese	55-2	5297.02	5178.46	5237.82	5237.76	1.13	ppb
Molybdenum	94-1	5020.31	5219.30	5198.34	5145.98	2.12	ppb
Molybdenum	95-1	5048.45	5226.88	5189.64	5154.99	1.83	ppb
Molybdenum	96-1	4992.78	5112.45	5191.44	5098.89	1.96	ppb
Molybdenum	97-1	5063.16	5124.47	5199.75	5129.13	1.33	ppb
Molybdenum	98-1	5068.62	5177.93	5208.57	5151.70	1.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	492.35	498.24	481.68	490.76	1.71	ppb
Phosphorus	31-2	10270.44	10245.74	10426.27	10314.15	0.95	ppb
Potassium	39-2	127153.30	126662.09	127492.36	127102.58	0.33	ppb
Rhodium	103-1				86		%
Rhodium	103-2				87		%
Scandium	45-1				101		%
Scandium	45-2				106		%
Selenium	82-1	512.70	523.29	525.85	520.62	1.34	ppb
Selenium	77-2	519.18	528.12	508.30	518.53	1.91	ppb
Selenium	78-2	510.91	534.19	520.23	521.78	2.25	ppb
Silicon	28-1	420.52	444.60	430.94	432.02	2.79	ppb
Silver	107-1	482.14	501.69	482.43	488.75	2.29	ppb
Silver	109-1	487.16	498.99	486.77	490.97	1.41	ppb
Sodium	23-2	259127.84	264113.23	262647.04	261962.70	0.98	ppb
Strontium	86-1	12646.56	12946.88	13028.17	12873.87	1.56	ppb
Strontium	88-1	12376.85	12688.29	12736.43	12600.52	1.55	ppb
Sulfur	34-1	10465.67	11185.45	10475.36	10708.83	3.85	ppb
Terbium	159-1				97		%
Terbium	159-2				99		%
Thallium	203-1	513.99	517.52	537.32	522.94	2.41	ppb
Thallium	205-1	518.02	531.80	539.66	529.83	2.07	ppb
Tin	118-1	498.90	529.02	501.02	509.65	3.30	ppb
Titanium	47-1	5109.74	5166.13	5206.32	5160.73	0.94	ppb
Uranium	238-1	524.19	537.51	535.70	532.46	1.36	ppb

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV006	Instrumnet Name :	P8
Client Sample ID :	CCV006	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:40:35	DataFile Name :	016CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	516.60	507.20	498.14	507.32	1.82	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				105		%
Zinc	66-2	4958.86	5034.88	4992.15	4995.30	0.76	ppb
Zirconium	90-1	504.14	520.56	522.31	515.67	1.94	ppb
Zirconium	91-1	500.33	523.43	515.92	513.23	2.30	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB006	Instrumnet Name :	P8
Client Sample ID :	CCB006	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:43:27	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.87	0.42	0.55	0.62	37.50	ppb
Antimony	121-1	0.15	0.19	0.32	0.22	40.18	ppb
Arsenic	75-2	0.04	0.02	0.03	0.03	32.09	ppb
Barium	135-1	0.05	0.07	0.05	0.06	22.83	ppb
Barium	137-1	0.07	0.05	0.04	0.05	31.53	ppb
Beryllium	9-1	0.11	0.09	0.09	0.10	11.16	ppb
Bismuth	209-1				108		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Cadmium	108-1	0.06	0.04	0.02	0.04	49.03	ppb
Cadmium	106-1	0.87	-0.28	-0.61	-0.01		ppb
Cadmium	111-1	0.10	0.01	-0.03	0.03	260.51	ppb
Calcium	43-1	5.48	3.82	2.07	3.79	45.07	ppb
Calcium	44-1	5.96	4.02	2.86	4.28	36.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	-0.01	0.00	0.00		ppb
Cobalt	59-2	0.01	0.00	0.01	0.01	109.15	ppb
Copper	63-2	1.23	1.18	1.14	1.18	3.64	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				108		%
Holmium	165-2				111		%
Indium	115-1				112		%
Indium	115-2				114		%
Iron	54-2	1.55	2.00	1.75	1.77	12.80	ppb
Iron	56-2	1.66	1.56	1.47	1.56	6.14	ppb
Iron	57-2	1.43	1.67	1.53	1.54	7.97	ppb
Krypton	83-1						cps
Lead	206-1	0.17	0.14	0.12	0.15	16.60	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB006	Instrumnet Name :	P8
Client Sample ID :	CCB006	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:43:27	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.16	0.14	0.13	0.14	11.12	ppb
Lead	208-1	0.17	0.13	0.12	0.14	18.44	ppb
Lithium	6-1				109		%
Magnesium	24-2	3.36	2.17	1.75	2.43	34.41	ppb
Manganese	55-2	-0.13	-0.13	-0.12	-0.13		ppb
Molybdenum	94-1	0.38	0.33	0.36	0.36	6.92	ppb
Molybdenum	95-1	0.25	0.22	0.22	0.23	6.64	ppb
Molybdenum	96-1	0.25	0.22	0.21	0.23	7.84	ppb
Molybdenum	97-1	0.23	0.23	0.20	0.22	7.86	ppb
Molybdenum	98-1	0.25	0.21	0.22	0.23	9.19	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	0.02	0.02	0.02	15.87	ppb
Phosphorus	31-2	-12.78	-17.81	-14.31	-14.97		ppb
Potassium	39-2	22.51	21.72	22.03	22.09	1.81	ppb
Rhodium	103-1				109		%
Rhodium	103-2				112		%
Scandium	45-1				117		%
Scandium	45-2				115		%
Selenium	82-1	-0.07	0.13	0.06	0.04	254.64	ppb
Selenium	77-2	-0.09	0.37	-0.09	0.06	418.18	ppb
Selenium	78-2	-0.07	-0.13	0.01	-0.06		ppb
Silicon	28-1	0.42	0.49	0.33	0.41	20.07	ppb
Silver	107-1	0.04	0.03	0.02	0.03	30.84	ppb
Silver	109-1	0.03	0.03	0.03	0.03	10.58	ppb
Sodium	23-2	38.47	37.23	35.51	37.07	4.01	ppb
Strontium	86-1	0.32	0.27	0.18	0.26	28.08	ppb
Strontium	88-1	0.32	0.23	0.17	0.24	30.60	ppb
Sulfur	34-1	-290.89	-273.91	-277.90	-280.90		ppb
Terbium	159-1				109		%
Terbium	159-2				112		%
Thallium	203-1	0.09	0.08	0.07	0.08	14.27	ppb
Thallium	205-1	0.09	0.08	0.07	0.08	11.90	ppb
Tin	118-1	0.03	0.03	0.02	0.02	29.32	ppb
Titanium	47-1	0.13	0.09	0.06	0.10	38.40	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	41.78	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB006	Instrumnet Name :	P8
Client Sample ID :	CCB006	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:43:27	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.01	0.00	0.01	0.01	54.89	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				113		%
Yttrium	89-2				115		%
Zinc	66-2	-0.12	0.11	-0.22	-0.07		ppb
Zirconium	90-1	0.09	0.09	0.09	0.09	4.22	ppb
Zirconium	91-1	0.09	0.08	0.10	0.09	10.90	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2797-12ADLX2	Instrumnet Name :	P8
Client Sample ID :	MYD4P9A	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 14:48:13	DataFile Name :	018AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	29738.20	29869.30	29421.06	29676.19	0.78	ppb
Antimony	121-1	1.21	1.27	1.27	1.25	2.57	ppb
Arsenic	75-2	82.50	81.30	81.31	81.70	0.84	ppb
Barium	135-1	212.67	213.99	207.95	211.53	1.50	ppb
Barium	137-1	211.27	214.63	208.51	211.47	1.45	ppb
Beryllium	9-1	1.11	1.13	1.10	1.11	1.22	ppb
Bismuth	209-1				102		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Cadmium	108-1	1.86	1.87	1.72	1.81	4.68	ppb
Cadmium	106-1	3.03	3.24	2.71	2.99	8.99	ppb
Cadmium	111-1	1.03	1.03	0.95	1.01	4.49	ppb
Calcium	43-1	8693.65	9346.74	9268.32	9102.90	3.92	ppb
Calcium	44-1	9188.20	9274.94	9370.11	9277.75	0.98	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	31.62	31.12	30.76	31.16	1.38	ppb
Cobalt	59-2	22.05	21.79	21.84	21.89	0.62	ppb
Copper	63-2	85.28	85.20	85.16	85.21	0.07	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				110		%
Indium	115-1				109		%
Indium	115-2				113		%
Iron	54-2	72544.18	71546.90	70032.18	71374.42	1.77	ppb
Iron	56-2	71523.13	69755.42	70232.33	70503.62	1.30	ppb
Iron	57-2	71496.61	70210.81	69575.07	70427.49	1.39	ppb
Krypton	83-1						cps
Lead	206-1	50.56	49.88	51.24	50.56	1.35	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2797-12ADLX2	Instrumnet Name :	P8
Client Sample ID :	MYD4P9A	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 14:48:13	DataFile Name :	018AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	52.58	52.40	53.62	52.87	1.24	ppb
Lead	208-1	52.69	52.14	52.92	52.58	0.77	ppb
Lithium	6-1				110		%
Magnesium	24-2	10385.05	10351.43	10440.24	10392.24	0.43	ppb
Manganese	55-2	947.12	948.97	919.60	938.57	1.75	ppb
Molybdenum	94-1	11.38	11.49	11.47	11.45	0.52	ppb
Molybdenum	95-1	0.65	0.66	0.71	0.67	4.16	ppb
Molybdenum	96-1	1.91	1.94	1.99	1.95	1.99	ppb
Molybdenum	97-1	0.65	0.68	0.68	0.67	2.82	ppb
Molybdenum	98-1	0.67	0.67	0.68	0.67	0.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.92	24.99	25.07	25.00	0.29	ppb
Phosphorus	31-2	1518.82	1487.41	1505.88	1504.04	1.05	ppb
Potassium	39-2	2933.87	2820.16	2858.91	2870.98	2.01	ppb
Rhodium	103-1				106		%
Rhodium	103-2				108		%
Scandium	45-1				118		%
Scandium	45-2				118		%
Selenium	82-1	1.19	1.38	0.83	1.13	24.74	ppb
Selenium	77-2	29.76	33.75	32.30	31.94	6.33	ppb
Selenium	78-2	6.74	7.84	6.89	7.16	8.30	ppb
Silicon	28-1	816.34	842.15	844.58	834.36	1.88	ppb
Silver	107-1	0.44	0.45	0.46	0.45	2.04	ppb
Silver	109-1	0.36	0.36	0.36	0.36	0.63	ppb
Sodium	23-2	166.49	163.51	164.25	164.75	0.94	ppb
Strontium	86-1	45.85	46.48	46.44	46.26	0.76	ppb
Strontium	88-1	47.88	48.11	47.53	47.84	0.61	ppb
Sulfur	34-1	-291.80	-257.53	-297.85	-282.39		ppb
Terbium	159-1				108		%
Terbium	159-2				110		%
Thallium	203-1	0.23	0.22	0.23	0.23	2.68	ppb
Thallium	205-1	0.24	0.23	0.23	0.23	2.68	ppb
Tin	118-1	1.10	1.14	1.12	1.12	1.85	ppb
Titanium	47-1	887.87	924.63	924.08	912.19	2.31	ppb
Uranium	238-1	0.59	0.59	0.61	0.60	1.95	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2797-12ADLX2	Instrumnet Name :	P8
Client Sample ID :	MYD4P9A	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 14:48:13	DataFile Name :	018AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	271.36	273.97	271.09	272.14	0.58	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				117		%
Yttrium	89-2				118		%
Zinc	66-2	215.54	211.71	210.33	212.53	1.27	ppb
Zirconium	90-1	6.20	6.26	6.34	6.27	1.09	ppb
Zirconium	91-1	6.15	6.28	6.26	6.23	1.10	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV007	Instrumnet Name :	P8
Client Sample ID :	CCV007	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:51:17	DataFile Name :	019CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	53594.36	53577.68	53553.37	53575.14	0.04	ppb
Antimony	121-1	506.43	510.91	505.23	507.53	0.59	ppb
Arsenic	75-2	510.98	508.72	515.56	511.75	0.68	ppb
Barium	135-1	2598.40	2587.65	2597.45	2594.50	0.23	ppb
Barium	137-1	2563.17	2602.55	2636.89	2600.87	1.42	ppb
Beryllium	9-1	519.04	523.64	526.20	522.96	0.69	ppb
Bismuth	209-1				83		%
Bismuth	209-2				85		%
Bromine	81-1						cps
Cadmium	108-1	525.57	526.61	524.04	525.40	0.25	ppb
Cadmium	106-1	527.01	529.99	526.78	527.93	0.34	ppb
Cadmium	111-1	516.84	529.59	525.22	523.88	1.24	ppb
Calcium	43-1	261432.11	253624.65	255295.84	256784.20	1.60	ppb
Calcium	44-1	259350.42	253668.19	258432.57	257150.39	1.19	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	498.82	499.76	498.81	499.13	0.11	ppb
Cobalt	59-2	485.56	490.00	491.09	488.88	0.60	ppb
Copper	63-2	4826.27	4809.95	4871.60	4835.94	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				97		%
Holmium	165-2				99		%
Indium	115-1				92		%
Indium	115-2				98		%
Iron	54-2	126853.59	127226.06	130158.49	128079.38	1.41	ppb
Iron	56-2	128282.48	128524.11	129955.70	128920.76	0.70	ppb
Iron	57-2	128876.06	127084.18	128964.41	128308.22	0.83	ppb
Krypton	83-1						cps
Lead	206-1	2606.20	2616.40	2583.90	2602.17	0.64	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV007	Instrumnet Name :	P8
Client Sample ID :	CCV007	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:51:17	DataFile Name :	019CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2618.90	2628.32	2582.72	2609.98	0.92	ppb
Lead	208-1	2615.85	2623.88	2600.47	2613.40	0.46	ppb
Lithium	6-1				95		%
Magnesium	24-2	260834.96	263595.82	267499.65	263976.81	1.27	ppb
Manganese	55-2	5174.31	5171.83	5273.49	5206.54	1.11	ppb
Molybdenum	94-1	5038.61	5132.91	5167.05	5112.86	1.30	ppb
Molybdenum	95-1	5101.67	5153.13	5194.86	5149.88	0.91	ppb
Molybdenum	96-1	5088.79	5119.11	5182.33	5130.08	0.93	ppb
Molybdenum	97-1	5086.30	5121.52	5150.26	5119.36	0.63	ppb
Molybdenum	98-1	5044.08	5151.84	5155.54	5117.15	1.24	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	483.61	484.20	482.95	483.58	0.13	ppb
Phosphorus	31-2	10289.13	10287.85	10311.52	10296.17	0.13	ppb
Potassium	39-2	128129.60	125617.60	124276.35	126007.85	1.55	ppb
Rhodium	103-1				86		%
Rhodium	103-2				88		%
Scandium	45-1				101		%
Scandium	45-2				107		%
Selenium	82-1	512.26	522.58	525.53	520.13	1.34	ppb
Selenium	77-2	517.78	527.14	543.17	529.37	2.43	ppb
Selenium	78-2	528.98	516.07	528.38	524.48	1.39	ppb
Silicon	28-1	438.66	424.86	429.17	430.90	1.64	ppb
Silver	107-1	490.89	491.04	489.22	490.38	0.21	ppb
Silver	109-1	481.43	495.96	492.04	489.81	1.53	ppb
Sodium	23-2	257635.51	260786.27	264463.63	260961.80	1.31	ppb
Strontium	86-1	12700.53	12845.68	12854.34	12800.18	0.68	ppb
Strontium	88-1	12546.57	12667.58	12761.04	12658.40	0.85	ppb
Sulfur	34-1	10922.66	10467.05	10507.91	10632.54	2.37	ppb
Terbium	159-1				97		%
Terbium	159-2				100		%
Thallium	203-1	524.43	527.43	523.33	525.06	0.40	ppb
Thallium	205-1	530.67	529.33	530.83	530.28	0.15	ppb
Tin	118-1	511.63	515.32	504.91	510.62	1.03	ppb
Titanium	47-1	5188.40	5153.26	5202.59	5181.42	0.49	ppb
Uranium	238-1	536.98	536.64	527.49	533.70	1.01	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV007	Instrumnet Name :	P8
Client Sample ID :	CCV007	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:51:17	DataFile Name :	019CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	494.94	506.14	509.22	503.43	1.49	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				107		%
Zinc	66-2	4932.18	4922.54	4940.67	4931.80	0.18	ppb
Zirconium	90-1	506.35	514.43	519.34	513.37	1.28	ppb
Zirconium	91-1	506.70	516.65	522.05	515.13	1.51	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB007	Instrumnet Name :	P8
Client Sample ID :	CCB007	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:54:52	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.96	0.26	0.32	0.51	75.58	ppb
Antimony	121-1	0.12	0.16	0.25	0.18	39.60	ppb
Arsenic	75-2	0.02	0.03	0.03	0.03	9.32	ppb
Barium	135-1	0.04	0.04	0.04	0.04	5.01	ppb
Barium	137-1	0.06	0.02	0.03	0.04	53.31	ppb
Beryllium	9-1	0.08	0.09	0.08	0.08	6.25	ppb
Bismuth	209-1				106		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Cadmium	108-1	0.02	0.05	-0.02	0.02	174.08	ppb
Cadmium	106-1	0.12	-1.08	-0.60	-0.52		ppb
Cadmium	111-1	0.04	-0.07	-0.03	-0.02		ppb
Calcium	43-1	3.14	1.00	1.84	2.00	54.05	ppb
Calcium	44-1	2.69	1.31	1.33	1.78	44.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	0.00	-0.01	0.00		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	33.24	ppb
Copper	63-2	0.59	0.57	0.51	0.56	7.67	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				109		%
Holmium	165-2				112		%
Indium	115-1				112		%
Indium	115-2				117		%
Iron	54-2	1.14	1.28	1.01	1.15	11.73	ppb
Iron	56-2	1.19	1.28	0.92	1.13	16.42	ppb
Iron	57-2	1.54	0.86	0.46	0.95	57.00	ppb
Krypton	83-1						cps
Lead	206-1	0.14	0.11	0.09	0.11	19.81	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB007	Instrumnet Name :	P8
Client Sample ID :	CCB007	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:54:52	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.12	0.11	0.09	0.11	13.19	ppb
Lead	208-1	0.13	0.11	0.10	0.12	14.92	ppb
Lithium	6-1				109		%
Magnesium	24-2	1.44	2.24	1.23	1.64	32.36	ppb
Manganese	55-2	-0.11	-0.12	-0.17	-0.14		ppb
Molybdenum	94-1	0.26	0.23	0.28	0.26	9.54	ppb
Molybdenum	95-1	0.15	0.14	0.16	0.15	7.00	ppb
Molybdenum	96-1	0.19	0.14	0.16	0.16	13.47	ppb
Molybdenum	97-1	0.14	0.14	0.15	0.14	5.66	ppb
Molybdenum	98-1	0.14	0.14	0.14	0.14	2.69	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	0.00	0.01	0.01	118.68	ppb
Phosphorus	31-2	-14.14	-13.36	-18.96	-15.48		ppb
Potassium	39-2	16.01	16.51	15.70	16.08	2.55	ppb
Rhodium	103-1				110		%
Rhodium	103-2				113		%
Scandium	45-1				115		%
Scandium	45-2				117		%
Selenium	82-1	-0.02	0.01	0.09	0.03	189.07	ppb
Selenium	77-2	-0.09	-0.09	-0.09	-0.09		ppb
Selenium	78-2	0.00	-0.06	0.06	0.00		ppb
Silicon	28-1	0.43	0.27	0.32	0.34	24.14	ppb
Silver	107-1	0.02	0.02	0.02	0.02	8.03	ppb
Silver	109-1	0.03	0.02	0.02	0.02	4.59	ppb
Sodium	23-2	34.72	32.59	31.77	33.03	4.62	ppb
Strontium	86-1	0.21	0.12	0.14	0.16	30.73	ppb
Strontium	88-1	0.15	0.15	0.12	0.14	13.84	ppb
Sulfur	34-1	-212.00	-219.53	-157.16	-196.23		ppb
Terbium	159-1				109		%
Terbium	159-2				113		%
Thallium	203-1	0.06	0.06	0.06	0.06	4.42	ppb
Thallium	205-1	0.07	0.06	0.06	0.06	8.48	ppb
Tin	118-1	0.01	0.00	0.00	0.00	59.86	ppb
Titanium	47-1	0.06	0.04	0.03	0.04	41.24	ppb
Uranium	238-1	0.01	0.01	0.00	0.01	35.64	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB007	Instrumnet Name :	P8
Client Sample ID :	CCB007	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:54:52	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.01	0.00	0.00	0.00	28.55	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				113		%
Yttrium	89-2				117		%
Zinc	66-2	-0.19	-0.11	-0.16	-0.15		ppb
Zirconium	90-1	0.07	0.07	0.08	0.08	10.91	ppb
Zirconium	91-1	0.07	0.07	0.08	0.07	8.74	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163792BL	Instrumnet Name :	P8
Client Sample ID :	PBS792	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:59:25	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.31	0.06	-0.05	-0.10		ppb
Antimony	121-1	0.02	0.04	0.06	0.04	44.38	ppb
Arsenic	75-2	0.01	0.01	0.00	0.00	65.00	ppb
Barium	135-1	0.03	0.00	0.01	0.01	82.63	ppb
Barium	137-1	0.02	0.02	0.02	0.02	8.65	ppb
Beryllium	9-1	0.05	0.05	0.06	0.05	9.91	ppb
Bismuth	209-1				108		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Cadmium	108-1	-0.03	-0.04	0.01	-0.02		ppb
Cadmium	106-1	-0.40	-0.82	-0.17	-0.46		ppb
Cadmium	111-1	-0.02	-0.06	-0.01	-0.03		ppb
Calcium	43-1	-1.10	-1.80	-1.22	-1.37		ppb
Calcium	44-1	-0.89	-1.23	-1.59	-1.24		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	-0.01	0.00	0.00		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	734.64	ppb
Copper	63-2	0.32	0.29	0.28	0.30	6.26	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				113		%
Indium	115-1				112		%
Indium	115-2				116		%
Iron	54-2	0.01	0.14	0.05	0.07	99.64	ppb
Iron	56-2	0.20	0.14	0.16	0.16	17.27	ppb
Iron	57-2	0.13	0.18	0.37	0.23	56.52	ppb
Krypton	83-1						cps
Lead	206-1	0.06	0.05	0.06	0.06	10.19	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163792BL	Instrumnet Name :	P8
Client Sample ID :	PBS792	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:59:25	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.05	0.05	0.05	0.05	4.11	ppb
Lead	208-1	0.05	0.05	0.05	0.05	2.89	ppb
Lithium	6-1				111		%
Magnesium	24-2	0.81	0.70	0.71	0.74	8.62	ppb
Manganese	55-2	-0.17	-0.16	-0.18	-0.17		ppb
Molybdenum	94-1	0.07	0.06	0.08	0.07	12.65	ppb
Molybdenum	95-1	0.02	0.03	0.03	0.03	15.87	ppb
Molybdenum	96-1	0.02	0.03	0.03	0.03	15.21	ppb
Molybdenum	97-1	0.02	0.02	0.03	0.02	24.14	ppb
Molybdenum	98-1	0.02	0.02	0.03	0.02	6.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.00	0.00	0.00		ppb
Phosphorus	31-2	-15.75	-17.96	-14.09	-15.93		ppb
Potassium	39-2	11.60	10.52	10.48	10.87	5.84	ppb
Rhodium	103-1				110		%
Rhodium	103-2				114		%
Scandium	45-1				114		%
Scandium	45-2				116		%
Selenium	82-1	0.05	-0.22	0.11	-0.02		ppb
Selenium	77-2	-0.09	-0.09	-0.09	-0.09		ppb
Selenium	78-2	0.13	-0.20	-0.27	-0.11		ppb
Silicon	28-1	0.05	0.07	-0.20	-0.03		ppb
Silver	107-1	0.01	0.01	0.01	0.01	20.19	ppb
Silver	109-1	0.01	0.01	0.01	0.01	16.98	ppb
Sodium	23-2	20.78	21.38	21.35	21.17	1.59	ppb
Strontium	86-1	0.02	0.00	0.00	0.01	195.83	ppb
Strontium	88-1	0.02	0.01	0.00	0.01	113.37	ppb
Sulfur	34-1	-40.67	-20.95	-120.79	-60.80		ppb
Terbium	159-1				107		%
Terbium	159-2				113		%
Thallium	203-1	0.03	0.03	0.03	0.03	3.23	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	7.67	ppb
Tin	118-1	0.03	0.03	0.03	0.03	6.51	ppb
Titanium	47-1	-0.03	-0.04	-0.04	-0.04		ppb
Uranium	238-1	0.00	0.00	0.00	0.00	108.94	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163792BL	Instrumnet Name :	P8
Client Sample ID :	PBS792	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:59:25	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00	37.59	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				114		%
Yttrium	89-2				117		%
Zinc	66-2	-0.18	-0.29	-0.25	-0.24		ppb
Zirconium	90-1	0.03	0.03	0.03	0.03	13.80	ppb
Zirconium	91-1	0.02	0.02	0.03	0.02	35.92	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163792BS	Instrumnet Name :	P8
Client Sample ID :	LCS792	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:02:42	DataFile Name :	022LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	39.51	39.47	38.91	39.30	0.86	ppb
Antimony	121-1	3.99	4.11	4.10	4.07	1.64	ppb
Arsenic	75-2	2.24	2.20	2.25	2.23	1.20	ppb
Barium	135-1	19.07	19.43	19.55	19.35	1.27	ppb
Barium	137-1	19.64	20.00	19.97	19.87	0.99	ppb
Beryllium	9-1	1.90	1.90	1.88	1.89	0.46	ppb
Bismuth	209-1				106		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Cadmium	108-1	2.08	1.96	2.22	2.09	6.19	ppb
Cadmium	106-1	2.55	1.63	1.68	1.95	26.53	ppb
Cadmium	111-1	2.17	2.12	2.16	2.15	1.13	ppb
Calcium	43-1	923.10	914.21	935.27	924.19	1.14	ppb
Calcium	44-1	963.45	980.74	959.92	968.03	1.15	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.34	4.38	4.39	4.37	0.55	ppb
Cobalt	59-2	2.10	2.12	2.08	2.10	0.97	ppb
Copper	63-2	4.46	4.59	4.54	4.53	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				110		%
Holmium	165-2				110		%
Indium	115-1				110		%
Indium	115-2				114		%
Iron	54-2	438.37	441.93	439.74	440.01	0.41	ppb
Iron	56-2	442.04	450.95	445.85	446.28	1.00	ppb
Iron	57-2	435.94	429.92	433.19	433.02	0.70	ppb
Krypton	83-1						cps
Lead	206-1	1.95	1.99	1.99	1.98	1.10	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163792BS	Instrumnet Name :	P8
Client Sample ID :	LCS792	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:02:42	DataFile Name :	022LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2.01	1.99	2.03	2.01	0.96	ppb
Lead	208-1	1.98	2.00	2.00	2.00	0.70	ppb
Lithium	6-1				109		%
Magnesium	24-2	1121.26	1118.78	1124.47	1121.50	0.25	ppb
Manganese	55-2	1.96	1.88	1.93	1.92	2.19	ppb
Molybdenum	94-1	11.03	10.98	11.03	11.02	0.26	ppb
Molybdenum	95-1	9.20	9.11	9.22	9.18	0.61	ppb
Molybdenum	96-1	9.18	9.15	9.31	9.21	0.97	ppb
Molybdenum	97-1	9.12	8.95	9.25	9.11	1.66	ppb
Molybdenum	98-1	9.16	8.93	9.20	9.10	1.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.22	2.18	2.13	2.18	2.08	ppb
Phosphorus	31-2	-16.89	-16.20	-15.58	-16.22		ppb
Potassium	39-2	980.09	987.66	978.54	982.10	0.50	ppb
Rhodium	103-1				110		%
Rhodium	103-2				110		%
Scandium	45-1				114		%
Scandium	45-2				113		%
Selenium	82-1	10.71	10.62	10.67	10.66	0.43	ppb
Selenium	77-2	10.12	10.30	12.65	11.02	12.82	ppb
Selenium	78-2	9.91	10.69	9.26	9.96	7.20	ppb
Silicon	28-1	5.63	5.52	5.97	5.71	4.09	ppb
Silver	107-1	2.01	2.05	2.04	2.03	0.99	ppb
Silver	109-1	2.12	2.14	2.15	2.14	0.69	ppb
Sodium	23-2	1055.79	1060.20	1070.15	1062.04	0.69	ppb
Strontium	86-1	1.99	1.96	1.98	1.97	0.56	ppb
Strontium	88-1	1.95	1.92	1.96	1.94	1.06	ppb
Sulfur	34-1	-49.91	-86.54	-25.76	-54.07		ppb
Terbium	159-1				109		%
Terbium	159-2				111		%
Thallium	203-1	1.88	1.90	1.92	1.90	0.91	ppb
Thallium	205-1	1.93	1.93	1.93	1.93	0.26	ppb
Tin	118-1	0.04	0.05	0.05	0.05	8.78	ppb
Titanium	47-1	9.39	9.34	9.40	9.38	0.34	ppb
Uranium	238-1	1.79	1.83	1.80	1.80	1.06	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163792BS	Instrumnet Name :	P8
Client Sample ID :	LCS792	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:02:42	DataFile Name :	022LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	9.80	9.70	9.83	9.77	0.68	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				113		%
Yttrium	89-2				113		%
Zinc	66-2	10.73	10.42	10.52	10.56	1.50	ppb
Zirconium	90-1	1.99	1.99	2.00	1.99	0.37	ppb
Zirconium	91-1	1.94	1.97	2.02	1.98	1.82	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163792BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD792	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:05:59	DataFile Name :	023LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.86	19.97	18.76	19.53	3.43	ppb
Antimony	121-1	2.04	2.00	2.03	2.02	1.19	ppb
Arsenic	75-2	0.97	1.04	1.09	1.03	5.93	ppb
Barium	135-1	9.69	9.51	9.62	9.60	0.96	ppb
Barium	137-1	9.92	9.68	9.89	9.83	1.30	ppb
Beryllium	9-1	0.95	0.93	0.92	0.94	1.57	ppb
Bismuth	209-1				106		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Cadmium	108-1	1.10	1.05	0.96	1.04	6.70	ppb
Cadmium	106-1	0.50	0.62	0.39	0.50	22.50	ppb
Cadmium	111-1	1.05	1.08	1.08	1.07	1.62	ppb
Calcium	43-1	449.99	452.87	453.81	452.22	0.44	ppb
Calcium	44-1	449.13	450.89	455.70	451.91	0.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.16	2.14	2.11	2.14	1.32	ppb
Cobalt	59-2	1.05	1.05	1.02	1.04	1.35	ppb
Copper	63-2	2.29	2.24	2.33	2.29	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				108		%
Holmium	165-2				110		%
Indium	115-1				111		%
Indium	115-2				114		%
Iron	54-2	216.51	214.50	213.72	214.91	0.67	ppb
Iron	56-2	226.73	223.14	216.27	222.05	2.39	ppb
Iron	57-2	211.40	214.87	214.78	213.68	0.93	ppb
Krypton	83-1						cps
Lead	206-1	0.97	1.01	0.99	0.99	1.62	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163792BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD792	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:05:59	DataFile Name :	023LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1.00	0.97	1.03	1.00	2.98	ppb
Lead	208-1	0.99	1.00	1.02	1.00	1.41	ppb
Lithium	6-1				108		%
Magnesium	24-2	553.58	549.90	551.37	551.62	0.34	ppb
Manganese	55-2	0.86	0.82	0.87	0.85	3.05	ppb
Molybdenum	94-1	5.46	5.57	5.46	5.50	1.17	ppb
Molybdenum	95-1	4.55	4.55	4.51	4.54	0.55	ppb
Molybdenum	96-1	4.51	4.63	4.67	4.60	1.83	ppb
Molybdenum	97-1	4.49	4.57	4.47	4.51	1.15	ppb
Molybdenum	98-1	4.52	4.58	4.56	4.55	0.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.12	1.08	1.07	1.09	2.11	ppb
Phosphorus	31-2	-21.13	-21.83	-17.33	-20.09		ppb
Potassium	39-2	484.79	485.51	481.91	484.07	0.39	ppb
Rhodium	103-1				109		%
Rhodium	103-2				111		%
Scandium	45-1				115		%
Scandium	45-2				115		%
Selenium	82-1	5.16	5.13	4.91	5.07	2.68	ppb
Selenium	77-2	4.70	4.87	4.54	4.70	3.55	ppb
Selenium	78-2	5.25	4.77	5.50	5.17	7.26	ppb
Silicon	28-1	2.66	2.22	2.56	2.48	9.20	ppb
Silver	107-1	1.02	1.00	1.02	1.01	1.29	ppb
Silver	109-1	1.06	1.06	1.08	1.07	1.06	ppb
Sodium	23-2	518.71	508.91	513.71	513.77	0.95	ppb
Strontium	86-1	0.95	0.94	0.99	0.96	2.59	ppb
Strontium	88-1	0.95	0.97	0.97	0.96	1.33	ppb
Sulfur	34-1	-74.95	-147.97	-64.97	-95.96		ppb
Terbium	159-1				109		%
Terbium	159-2				111		%
Thallium	203-1	0.92	0.96	0.95	0.94	1.80	ppb
Thallium	205-1	0.98	0.97	0.98	0.97	0.57	ppb
Tin	118-1	0.04	0.03	0.04	0.03	10.69	ppb
Titanium	47-1	4.44	4.57	4.72	4.58	3.04	ppb
Uranium	238-1	0.88	0.88	0.90	0.88	1.16	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163792BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD792	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:05:59	DataFile Name :	023LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	4.78	4.87	4.76	4.80	1.21	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				112		%
Yttrium	89-2				114		%
Zinc	66-2	5.02	4.85	5.41	5.09	5.68	ppb
Zirconium	90-1	0.99	0.98	0.97	0.98	0.68	ppb
Zirconium	91-1	0.97	1.01	0.99	0.99	2.09	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163799BL	Instrumnet Name :	P8
Client Sample ID :	PBS799	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:09:16	DataFile Name :	024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.13	0.05	0.00	-0.02		ppb
Antimony	121-1	0.01	0.01	0.02	0.01	58.52	ppb
Arsenic	75-2	0.01	0.00	0.01	0.01	83.15	ppb
Barium	135-1	0.02	0.02	0.01	0.02	25.82	ppb
Barium	137-1	0.01	0.02	0.01	0.01	44.12	ppb
Beryllium	9-1	0.03	0.03	0.03	0.03	5.14	ppb
Bismuth	209-1				107		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Cadmium	108-1	0.01	0.04	0.00	0.02	131.78	ppb
Cadmium	106-1	-0.86	-0.38	0.32	-0.31		ppb
Cadmium	111-1	-0.07	-0.03	0.03	-0.02		ppb
Calcium	43-1	-1.82	-1.04	-1.34	-1.40		ppb
Calcium	44-1	-2.13	-2.15	-1.87	-2.05		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	0.00	-0.02	-0.01		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	549.25	ppb
Copper	63-2	0.08	0.10	0.09	0.09	13.81	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				109		%
Indium	115-1				110		%
Indium	115-2				113		%
Iron	54-2	-0.17	0.10	0.22	0.05	414.49	ppb
Iron	56-2	0.02	0.13	-0.01	0.04	176.18	ppb
Iron	57-2	0.02	0.08	-0.33	-0.08		ppb
Krypton	83-1						cps
Lead	206-1	0.03	0.04	0.04	0.04	4.29	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163799BL	Instrumnet Name :	P8
Client Sample ID :	PBS799	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:09:16	DataFile Name :	024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.03	0.03	0.03	0.03	11.33	ppb
Lead	208-1	0.04	0.03	0.03	0.03	3.32	ppb
Lithium	6-1				109		%
Magnesium	24-2	0.49	0.31	0.32	0.37	26.82	ppb
Manganese	55-2	-0.20	-0.20	-0.19	-0.20		ppb
Molybdenum	94-1	0.02	0.03	0.03	0.03	26.55	ppb
Molybdenum	95-1	0.01	0.01	0.01	0.01	29.25	ppb
Molybdenum	96-1	0.01	0.00	0.01	0.01	38.78	ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00	36.39	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	38.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	-0.02	0.01	0.00		ppb
Phosphorus	31-2	-21.03	-20.51	-21.54	-21.03		ppb
Potassium	39-2	7.71	7.46	6.17	7.11	11.58	ppb
Rhodium	103-1				110		%
Rhodium	103-2				111		%
Scandium	45-1				115		%
Scandium	45-2				114		%
Selenium	82-1	0.17	0.05	-0.11	0.03	411.17	ppb
Selenium	77-2	-0.09	0.14	-0.09	-0.01		ppb
Selenium	78-2	-0.41	-0.27	-0.34	-0.34		ppb
Silicon	28-1	-0.56	-0.60	-0.45	-0.54		ppb
Silver	107-1	0.01	0.00	0.01	0.00	28.35	ppb
Silver	109-1	0.01	0.01	0.00	0.01	27.71	ppb
Sodium	23-2	13.25	13.69	12.64	13.19	3.97	ppb
Strontium	86-1	0.00	0.00	-0.02	-0.01		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-159.71	-188.20	-105.02	-150.98		ppb
Terbium	159-1				108		%
Terbium	159-2				111		%
Thallium	203-1	0.02	0.01	0.02	0.01	10.49	ppb
Thallium	205-1	0.01	0.02	0.02	0.02	6.80	ppb
Tin	118-1	0.02	0.03	0.02	0.02	13.15	ppb
Titanium	47-1	-0.06	-0.04	-0.05	-0.05		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163799BL	Instrumnet Name :	P8
Client Sample ID :	PBS799	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:09:16	DataFile Name :	024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00	187.05	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				113		%
Yttrium	89-2				114		%
Zinc	66-2	-0.17	-0.04	-0.23	-0.15		ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	39.50	ppb
Zirconium	91-1	0.02	0.01	0.02	0.01	23.37	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163799BS	Instrumnet Name :	P8
Client Sample ID :	LCS799	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:12:36	DataFile Name :	025LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	39.27	38.87	39.43	39.19	0.73	ppb
Antimony	121-1	4.11	4.07	4.14	4.11	0.87	ppb
Arsenic	75-2	2.35	2.18	2.25	2.26	3.96	ppb
Barium	135-1	19.80	19.62	19.77	19.73	0.48	ppb
Barium	137-1	20.20	20.05	20.10	20.12	0.37	ppb
Beryllium	9-1	1.88	1.88	1.85	1.87	1.01	ppb
Bismuth	209-1				105		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Cadmium	108-1	2.08	2.10	2.23	2.14	4.00	ppb
Cadmium	106-1	1.55	2.45	1.93	1.98	23.04	ppb
Cadmium	111-1	2.28	2.24	2.19	2.24	2.03	ppb
Calcium	43-1	921.28	907.50	899.51	909.43	1.21	ppb
Calcium	44-1	975.56	966.95	960.92	967.81	0.76	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.40	4.31	4.38	4.36	1.14	ppb
Cobalt	59-2	2.08	2.05	2.03	2.05	1.31	ppb
Copper	63-2	4.50	4.38	4.43	4.44	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				108		%
Holmium	165-2				109		%
Indium	115-1				111		%
Indium	115-2				113		%
Iron	54-2	439.41	434.30	437.70	437.13	0.59	ppb
Iron	56-2	451.68	444.74	447.13	447.85	0.79	ppb
Iron	57-2	433.36	427.15	444.01	434.84	1.96	ppb
Krypton	83-1						cps
Lead	206-1	2.04	1.99	2.00	2.01	1.27	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163799BS	Instrumnet Name :	P8
Client Sample ID :	LCS799	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:12:36	DataFile Name :	025LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2.03	2.03	1.97	2.01	1.67	ppb
Lead	208-1	2.04	2.00	2.00	2.01	1.07	ppb
Lithium	6-1				109		%
Magnesium	24-2	1129.07	1128.65	1129.73	1129.15	0.05	ppb
Manganese	55-2	1.98	1.85	1.96	1.93	3.61	ppb
Molybdenum	94-1	11.14	11.09	11.07	11.10	0.33	ppb
Molybdenum	95-1	9.36	9.26	9.18	9.27	0.99	ppb
Molybdenum	96-1	9.26	9.28	9.37	9.30	0.62	ppb
Molybdenum	97-1	9.26	9.33	9.18	9.26	0.78	ppb
Molybdenum	98-1	9.24	9.15	9.25	9.21	0.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.20	2.12	2.20	2.17	2.08	ppb
Phosphorus	31-2	-15.90	-19.70	-13.49	-16.36		ppb
Potassium	39-2	988.61	973.39	975.42	979.14	0.84	ppb
Rhodium	103-1				108		%
Rhodium	103-2				110		%
Scandium	45-1				114		%
Scandium	45-2				113		%
Selenium	82-1	10.68	10.96	11.18	10.94	2.28	ppb
Selenium	77-2	7.61	9.86	11.25	9.58	19.17	ppb
Selenium	78-2	9.35	11.37	9.37	10.03	11.54	ppb
Silicon	28-1	5.75	5.35	5.02	5.37	6.82	ppb
Silver	107-1	2.05	2.04	2.09	2.06	1.18	ppb
Silver	109-1	2.18	2.18	2.23	2.20	1.29	ppb
Sodium	23-2	1078.52	1068.72	1065.79	1071.01	0.62	ppb
Strontium	86-1	2.05	1.99	1.99	2.01	1.52	ppb
Strontium	88-1	1.99	1.98	1.97	1.98	0.35	ppb
Sulfur	34-1	-8.49	-103.20	-111.98	-74.56		ppb
Terbium	159-1				108		%
Terbium	159-2				109		%
Thallium	203-1	1.93	1.91	1.92	1.92	0.62	ppb
Thallium	205-1	1.99	1.94	1.93	1.96	1.48	ppb
Tin	118-1	0.05	0.04	0.05	0.05	7.40	ppb
Titanium	47-1	9.38	9.36	9.37	9.37	0.12	ppb
Uranium	238-1	1.86	1.85	1.82	1.84	1.31	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163799BS	Instrumnet Name :	P8
Client Sample ID :	LCS799	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:12:36	DataFile Name :	025LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	9.99	9.66	9.74	9.80	1.75	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				111		%
Yttrium	89-2				113		%
Zinc	66-2	10.68	10.55	10.54	10.59	0.71	ppb
Zirconium	90-1	2.03	1.99	2.02	2.01	0.80	ppb
Zirconium	91-1	2.00	2.01	1.95	1.99	1.48	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163799BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD799	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:15:51	DataFile Name :	026LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.69	18.77	18.86	19.11	2.66	ppb
Antimony	121-1	1.99	1.99	2.04	2.01	1.45	ppb
Arsenic	75-2	1.02	1.15	1.02	1.06	6.67	ppb
Barium	135-1	9.67	9.57	9.85	9.70	1.44	ppb
Barium	137-1	9.86	9.92	10.01	9.93	0.76	ppb
Beryllium	9-1	0.94	0.95	0.94	0.94	0.41	ppb
Bismuth	209-1				106		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Cadmium	108-1	1.10	0.97	1.21	1.10	11.13	ppb
Cadmium	106-1	0.17	0.22	0.96	0.45	97.81	ppb
Cadmium	111-1	1.05	1.04	1.12	1.07	3.59	ppb
Calcium	43-1	454.47	447.60	458.99	453.69	1.26	ppb
Calcium	44-1	451.15	456.75	457.37	455.09	0.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.18	2.22	2.15	2.18	1.56	ppb
Cobalt	59-2	1.03	1.05	1.05	1.04	0.90	ppb
Copper	63-2	2.28	2.28	2.27	2.28	0.05	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				107		%
Indium	115-1				110		%
Indium	115-2				111		%
Iron	54-2	216.23	217.89	220.30	218.14	0.94	ppb
Iron	56-2	222.10	222.21	220.98	221.76	0.31	ppb
Iron	57-2	213.36	215.85	213.38	214.20	0.67	ppb
Krypton	83-1						cps
Lead	206-1	0.98	1.02	0.97	0.99	2.31	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163799BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD799	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:15:51	DataFile Name :	026LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.99	1.03	0.98	1.00	3.07	ppb
Lead	208-1	0.99	1.03	0.98	1.00	2.41	ppb
Lithium	6-1				106		%
Magnesium	24-2	558.55	562.34	558.10	559.67	0.42	ppb
Manganese	55-2	0.85	0.90	0.87	0.88	2.73	ppb
Molybdenum	94-1	5.40	5.43	5.49	5.44	0.89	ppb
Molybdenum	95-1	4.48	4.55	4.65	4.56	1.86	ppb
Molybdenum	96-1	4.57	4.52	4.59	4.56	0.79	ppb
Molybdenum	97-1	4.56	4.49	4.57	4.54	0.98	ppb
Molybdenum	98-1	4.54	4.54	4.55	4.54	0.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.08	1.10	1.04	1.07	2.89	ppb
Phosphorus	31-2	-12.67	-13.99	-13.63	-13.43		ppb
Potassium	39-2	488.40	485.40	486.25	486.68	0.32	ppb
Rhodium	103-1				108		%
Rhodium	103-2				109		%
Scandium	45-1				112		%
Scandium	45-2				112		%
Selenium	82-1	5.15	5.47	5.23	5.28	3.10	ppb
Selenium	77-2	4.94	2.56	4.76	4.09	32.45	ppb
Selenium	78-2	5.12	5.36	5.19	5.22	2.40	ppb
Silicon	28-1	2.35	2.50	2.31	2.39	4.31	ppb
Silver	107-1	1.02	1.02	1.05	1.03	1.55	ppb
Silver	109-1	1.07	1.09	1.09	1.08	1.21	ppb
Sodium	23-2	517.01	515.26	514.20	515.49	0.28	ppb
Strontium	86-1	0.98	0.98	1.01	0.99	1.71	ppb
Strontium	88-1	0.97	0.97	0.96	0.97	0.38	ppb
Sulfur	34-1	-53.76	-51.87	12.68	-30.98		ppb
Terbium	159-1				108		%
Terbium	159-2				109		%
Thallium	203-1	0.93	0.95	0.94	0.94	1.11	ppb
Thallium	205-1	0.94	0.98	0.93	0.95	2.70	ppb
Tin	118-1	0.04	0.04	0.03	0.04	5.45	ppb
Titanium	47-1	4.69	4.58	4.72	4.66	1.63	ppb
Uranium	238-1	0.88	0.92	0.89	0.90	2.22	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163799BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD799	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:15:51	DataFile Name :	026LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	4.83	4.90	4.88	4.87	0.70	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				111		%
Yttrium	89-2				112		%
Zinc	66-2	5.12	5.33	4.90	5.11	4.16	ppb
Zirconium	90-1	0.96	0.98	1.00	0.98	1.86	ppb
Zirconium	91-1	0.98	0.98	0.99	0.98	0.55	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163797BL	Instrumnet Name :	P8
Client Sample ID :	PBS797	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:19:09	DataFile Name :	027CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.10	-0.18	-0.02	-0.10		ppb
Antimony	121-1	0.00	0.00	0.01	0.01	69.67	ppb
Arsenic	75-2	0.01	0.00	0.00	0.00	125.15	ppb
Barium	135-1	0.01	0.02	0.01	0.01	14.26	ppb
Barium	137-1	0.01	0.01	0.02	0.01	35.18	ppb
Beryllium	9-1	0.02	0.02	0.02	0.02	12.59	ppb
Bismuth	209-1				105		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Cadmium	108-1	0.00	0.05	0.00	0.02	177.08	ppb
Cadmium	106-1	0.16	-0.67	-0.46	-0.33		ppb
Cadmium	111-1	0.02	-0.06	-0.04	-0.03		ppb
Calcium	43-1	-1.08	-1.91	-2.23	-1.74		ppb
Calcium	44-1	-1.95	-2.30	-2.15	-2.13		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	0.00	-0.01	-0.01		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	0.06	0.02	0.05	0.04	38.15	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				106		%
Holmium	165-2				108		%
Indium	115-1				108		%
Indium	115-2				111		%
Iron	54-2	0.11	0.03	-0.06	0.03	302.04	ppb
Iron	56-2	-0.03	-0.11	-0.09	-0.08		ppb
Iron	57-2	0.10	-0.18	-0.11	-0.06		ppb
Krypton	83-1						cps
Lead	206-1	0.03	0.02	0.02	0.02	7.18	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163797BL	Instrumnet Name :	P8
Client Sample ID :	PBS797	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:19:09	DataFile Name :	027CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.03	0.02	0.02	0.02	15.40	ppb
Lead	208-1	0.03	0.02	0.03	0.03	6.37	ppb
Lithium	6-1				108		%
Magnesium	24-2	0.31	0.33	0.42	0.35	16.66	ppb
Manganese	55-2	-0.19	-0.20	-0.20	-0.20		ppb
Molybdenum	94-1	0.01	0.02	0.03	0.02	49.09	ppb
Molybdenum	95-1	0.00	0.00	0.01	0.00	175.06	ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00	56.19	ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00	66.07	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	-0.02	-0.01	-0.01		ppb
Phosphorus	31-2	-19.05	-18.55	-22.56	-20.05		ppb
Potassium	39-2	7.45	6.62	7.56	7.21	7.14	ppb
Rhodium	103-1				108		%
Rhodium	103-2				109		%
Scandium	45-1				111		%
Scandium	45-2				112		%
Selenium	82-1	0.06	0.12	0.12	0.10	34.69	ppb
Selenium	77-2	-0.09	-0.09	-0.09	-0.09		ppb
Selenium	78-2	-0.06	-0.27	-0.19	-0.17		ppb
Silicon	28-1	-0.54	-0.48	-0.22	-0.42		ppb
Silver	107-1	0.01	0.00	0.00	0.00	14.64	ppb
Silver	109-1	0.01	0.01	0.01	0.01	6.63	ppb
Sodium	23-2	9.79	9.58	9.71	9.69	1.11	ppb
Strontium	86-1	0.00	-0.01	-0.01	-0.01		ppb
Strontium	88-1	0.00	0.00	-0.01	0.00		ppb
Sulfur	34-1	-139.31	-77.95	70.52	-48.92		ppb
Terbium	159-1				106		%
Terbium	159-2				109		%
Thallium	203-1	0.01	0.01	0.01	0.01	8.66	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	5.94	ppb
Tin	118-1	0.03	0.02	0.03	0.03	27.12	ppb
Titanium	47-1	-0.04	-0.04	-0.05	-0.04		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163797BL	Instrumnet Name :	P8
Client Sample ID :	PBS797	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:19:09	DataFile Name :	027CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00	193.90	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				109		%
Yttrium	89-2				113		%
Zinc	66-2	-0.16	-0.22	-0.13	-0.17		ppb
Zirconium	90-1	0.00	0.00	0.01	0.01	50.65	ppb
Zirconium	91-1	0.00	0.00	0.01	0.01	79.59	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163797BS	Instrumnet Name :	P8
Client Sample ID :	LCS797	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:22:27	DataFile Name :	028LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	43.34	43.37	43.59	43.43	0.32	ppb
Antimony	121-1	4.17	4.15	4.08	4.13	1.04	ppb
Arsenic	75-2	2.31	2.14	2.19	2.21	3.95	ppb
Barium	135-1	20.17	20.00	19.99	20.05	0.52	ppb
Barium	137-1	20.47	20.44	20.45	20.45	0.09	ppb
Beryllium	9-1	1.93	1.92	1.87	1.91	1.66	ppb
Bismuth	209-1				106		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Cadmium	108-1	2.11	2.18	2.23	2.17	2.96	ppb
Cadmium	106-1	2.45	1.71	1.35	1.84	30.42	ppb
Cadmium	111-1	2.34	2.19	2.15	2.23	4.63	ppb
Calcium	43-1	929.70	938.51	932.35	933.52	0.48	ppb
Calcium	44-1	1001.41	989.44	981.03	990.63	1.03	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.47	4.45	4.46	4.46	0.18	ppb
Cobalt	59-2	2.14	2.13	2.15	2.14	0.45	ppb
Copper	63-2	4.51	4.41	4.49	4.47	1.11	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				109		%
Indium	115-1				111		%
Indium	115-2				113		%
Iron	54-2	450.94	441.04	451.22	447.73	1.29	ppb
Iron	56-2	456.71	450.02	468.72	458.49	2.07	ppb
Iron	57-2	441.38	445.91	451.44	446.24	1.13	ppb
Krypton	83-1						cps
Lead	206-1	2.00	1.99	2.06	2.02	1.79	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163797BS	Instrumnet Name :	P8
Client Sample ID :	LCS797	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:22:27	DataFile Name :	028LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2.05	1.99	2.06	2.03	2.05	ppb
Lead	208-1	2.04	2.01	2.05	2.03	1.07	ppb
Lithium	6-1				108		%
Magnesium	24-2	1152.84	1138.68	1159.47	1150.33	0.92	ppb
Manganese	55-2	1.99	1.96	1.94	1.96	1.47	ppb
Molybdenum	94-1	11.25	11.26	11.39	11.30	0.69	ppb
Molybdenum	95-1	9.32	9.49	9.42	9.41	0.88	ppb
Molybdenum	96-1	9.53	9.54	9.61	9.56	0.47	ppb
Molybdenum	97-1	9.33	9.37	9.54	9.41	1.16	ppb
Molybdenum	98-1	9.32	9.51	9.37	9.40	1.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.28	2.20	2.24	2.24	1.75	ppb
Phosphorus	31-2	-20.39	-21.12	-10.87	-17.46		ppb
Potassium	39-2	995.17	985.15	998.18	992.84	0.69	ppb
Rhodium	103-1				108		%
Rhodium	103-2				109		%
Scandium	45-1				113		%
Scandium	45-2				113		%
Selenium	82-1	10.66	11.00	11.75	11.14	5.01	ppb
Selenium	77-2	12.60	13.75	10.43	12.26	13.75	ppb
Selenium	78-2	9.79	10.24	10.06	10.03	2.28	ppb
Silicon	28-1	5.62	5.67	5.57	5.62	0.90	ppb
Silver	107-1	2.11	2.08	2.09	2.09	0.64	ppb
Silver	109-1	2.23	2.20	2.21	2.21	0.80	ppb
Sodium	23-2	1105.33	1083.50	1106.71	1098.51	1.19	ppb
Strontium	86-1	2.01	1.99	2.00	2.00	0.52	ppb
Strontium	88-1	2.00	2.01	1.99	2.00	0.37	ppb
Sulfur	34-1	39.59	14.90	-62.02	-2.51		ppb
Terbium	159-1				108		%
Terbium	159-2				110		%
Thallium	203-1	1.94	1.93	1.98	1.95	1.50	ppb
Thallium	205-1	1.96	1.97	2.01	1.98	1.37	ppb
Tin	118-1	0.05	0.05	0.05	0.05	6.36	ppb
Titanium	47-1	9.94	9.71	9.61	9.75	1.73	ppb
Uranium	238-1	1.86	1.82	1.88	1.86	1.65	ppb

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163797BS	Instrumnet Name :	P8
Client Sample ID :	LCS797	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:22:27	DataFile Name :	028LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	9.90	9.83	10.01	9.92	0.94	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				111		%
Yttrium	89-2				112		%
Zinc	66-2	10.91	10.83	10.39	10.71	2.60	ppb
Zirconium	90-1	1.99	2.02	2.04	2.02	1.21	ppb
Zirconium	91-1	1.98	2.00	2.03	2.00	1.28	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163797BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD797	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:25:45	DataFile Name :	029LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20.33	19.77	19.13	19.74	3.03	ppb
Antimony	121-1	2.04	2.09	2.11	2.08	1.87	ppb
Arsenic	75-2	1.06	1.16	1.07	1.09	5.37	ppb
Barium	135-1	9.79	10.00	10.16	9.98	1.85	ppb
Barium	137-1	10.00	10.24	10.28	10.17	1.47	ppb
Beryllium	9-1	0.94	0.94	0.99	0.96	3.18	ppb
Bismuth	209-1				106		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Cadmium	108-1	1.20	0.95	1.07	1.08	11.87	ppb
Cadmium	106-1	0.92	0.58	1.30	0.93	38.65	ppb
Cadmium	111-1	1.11	1.15	1.15	1.14	2.29	ppb
Calcium	43-1	457.43	468.49	452.36	459.43	1.80	ppb
Calcium	44-1	464.18	470.25	461.95	465.46	0.92	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.17	2.26	2.19	2.21	1.95	ppb
Cobalt	59-2	1.03	1.04	1.07	1.04	1.97	ppb
Copper	63-2	2.23	2.21	2.24	2.23	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				108		%
Holmium	165-2				109		%
Indium	115-1				111		%
Indium	115-2				115		%
Iron	54-2	222.59	219.76	220.30	220.88	0.68	ppb
Iron	56-2	230.06	228.61	227.25	228.64	0.61	ppb
Iron	57-2	218.91	219.10	215.95	217.99	0.81	ppb
Krypton	83-1						cps
Lead	206-1	1.02	1.03	1.01	1.02	0.89	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163797BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD797	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:25:45	DataFile Name :	029LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1.04	1.02	1.03	1.03	0.96	ppb
Lead	208-1	1.03	1.03	1.03	1.03	0.14	ppb
Lithium	6-1				109		%
Magnesium	24-2	572.28	576.72	570.73	573.24	0.54	ppb
Manganese	55-2	0.85	0.87	0.79	0.84	4.83	ppb
Molybdenum	94-1	5.65	5.67	5.64	5.66	0.31	ppb
Molybdenum	95-1	4.70	4.72	4.70	4.71	0.23	ppb
Molybdenum	96-1	4.72	4.72	4.76	4.73	0.45	ppb
Molybdenum	97-1	4.67	4.66	4.72	4.69	0.66	ppb
Molybdenum	98-1	4.65	4.69	4.75	4.69	1.08	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.16	1.09	1.10	1.11	3.32	ppb
Phosphorus	31-2	-20.70	-18.48	-16.73	-18.63		ppb
Potassium	39-2	495.75	494.40	493.77	494.64	0.20	ppb
Rhodium	103-1				108		%
Rhodium	103-2				111		%
Scandium	45-1				114		%
Scandium	45-2				114		%
Selenium	82-1	5.75	5.61	5.39	5.58	3.31	ppb
Selenium	77-2	4.66	8.48	3.91	5.68	43.18	ppb
Selenium	78-2	6.90	5.01	4.18	5.36	25.94	ppb
Silicon	28-1	2.45	2.46	2.17	2.36	6.86	ppb
Silver	107-1	1.01	1.07	1.08	1.05	3.37	ppb
Silver	109-1	1.10	1.10	1.11	1.10	0.84	ppb
Sodium	23-2	521.89	520.73	521.21	521.27	0.11	ppb
Strontium	86-1	0.99	1.00	1.03	1.00	2.01	ppb
Strontium	88-1	1.00	1.01	1.00	1.00	0.50	ppb
Sulfur	34-1	-88.23	-64.09	-127.90	-93.41		ppb
Terbium	159-1				108		%
Terbium	159-2				112		%
Thallium	203-1	1.00	0.97	0.97	0.98	1.38	ppb
Thallium	205-1	1.01	1.00	1.00	1.00	0.44	ppb
Tin	118-1	0.03	0.03	0.03	0.03	0.43	ppb
Titanium	47-1	4.78	4.78	4.56	4.70	2.69	ppb
Uranium	238-1	0.92	0.94	0.93	0.93	0.84	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163797BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD797	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:25:45	DataFile Name :	029LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	4.96	5.04	4.96	4.98	0.90	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				111		%
Yttrium	89-2				113		%
Zinc	66-2	5.03	5.29	5.19	5.17	2.49	ppb
Zirconium	90-1	1.01	1.00	1.02	1.01	1.13	ppb
Zirconium	91-1	1.01	0.99	1.00	1.00	0.55	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-04	Instrumnet Name :	P8
Client Sample ID :	MYD5L1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:34:18	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	45681.11	44420.17	45522.77	45208.02	1.52	ppb
Antimony	121-1	3.66	3.72	3.73	3.70	0.99	ppb
Arsenic	75-2	186.51	184.74	187.62	186.29	0.78	ppb
Barium	135-1	637.43	632.75	639.83	636.67	0.57	ppb
Barium	137-1	634.44	642.63	642.72	639.93	0.74	ppb
Beryllium	9-1	1.59	1.60	1.59	1.59	0.42	ppb
Bismuth	209-1				98		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	3.61	3.76	3.83	3.74	3.07	ppb
Cadmium	106-1	4.99	4.85	5.69	5.18	8.74	ppb
Cadmium	111-1	1.70	1.74	1.77	1.74	2.10	ppb
Calcium	43-1	5165.34	5255.81	5259.70	5226.95	1.02	ppb
Calcium	44-1	5393.89	5390.51	5475.36	5419.92	0.89	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	143.35	142.32	145.15	143.61	1.00	ppb
Cobalt	59-2	82.58	84.31	80.40	82.43	2.38	ppb
Copper	63-2	241.37	246.78	248.70	245.62	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				106		%
Holmium	165-2				105		%
Indium	115-1				103		%
Indium	115-2				105		%
Iron	54-2	235036.94	235891.88	236861.39	235930.07	0.39	ppb
Iron	56-2	233114.19	233635.45	235063.95	233937.86	0.43	ppb
Iron	57-2	231715.31	235145.50	235731.03	234197.28	0.93	ppb
Krypton	83-1						cps
Lead	206-1	91.71	87.96	90.10	89.92	2.09	ppb

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-04	Instrumnet Name :	P8
Client Sample ID :	MYD5L1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:34:18	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	92.37	89.44	91.33	91.05	1.63	ppb
Lead	208-1	91.17	88.81	89.75	89.91	1.32	ppb
Lithium	6-1				110		%
Magnesium	24-2	27747.96	27474.93	27955.39	27726.09	0.87	ppb
Manganese	55-2	7621.86	7671.28	7696.56	7663.23	0.50	ppb
Molybdenum	94-1	22.80	23.51	23.16	23.15	1.53	ppb
Molybdenum	95-1	1.94	1.94	1.95	1.94	0.41	ppb
Molybdenum	96-1	4.54	4.70	4.63	4.62	1.73	ppb
Molybdenum	97-1	1.91	1.89	1.91	1.90	0.59	ppb
Molybdenum	98-1	1.85	1.88	1.87	1.87	0.78	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	105.47	105.99	106.51	105.99	0.49	ppb
Phosphorus	31-2	1894.79	1933.00	1988.82	1938.87	2.44	ppb
Potassium	39-2	8898.24	8930.10	9124.35	8984.23	1.36	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				118		%
Scandium	45-2				119		%
Selenium	82-1	1.09	1.37	1.50	1.32	15.99	ppb
Selenium	77-2	36.39	39.94	35.75	37.36	6.05	ppb
Selenium	78-2	10.52	9.34	7.90	9.25	14.18	ppb
Silicon	28-1	869.01	907.16	915.94	897.37	2.78	ppb
Silver	107-1	0.43	0.42	0.44	0.43	1.92	ppb
Silver	109-1	0.32	0.32	0.32	0.32	0.30	ppb
Sodium	23-2	162.31	162.38	165.38	163.36	1.07	ppb
Strontium	86-1	56.12	56.61	56.85	56.53	0.66	ppb
Strontium	88-1	56.53	58.19	58.60	57.77	1.89	ppb
Sulfur	34-1	-96.37	-119.76	-150.17	-122.10		ppb
Terbium	159-1				105		%
Terbium	159-2				106		%
Thallium	203-1	0.48	0.46	0.48	0.47	1.65	ppb
Thallium	205-1	0.49	0.48	0.49	0.48	1.40	ppb
Tin	118-1	3.11	3.17	3.13	3.14	0.86	ppb
Titanium	47-1	1027.82	1017.01	1034.86	1026.56	0.88	ppb
Uranium	238-1	1.17	1.15	1.17	1.16	1.16	ppb

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-04	Instrumnet Name :	P8
Client Sample ID :	MYD5L1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:34:18	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	320.29	315.58	317.50	317.79	0.74	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				112		%
Yttrium	89-2				113		%
Zinc	66-2	323.72	322.11	329.83	325.22	1.25	ppb
Zirconium	90-1	12.31	12.60	12.44	12.45	1.18	ppb
Zirconium	91-1	12.37	12.65	12.54	12.52	1.15	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-05	Instrumnet Name :	P8
Client Sample ID :	MYD5L2	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:37:19	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51434.61	50605.24	50972.90	51004.25	0.81	ppb
Antimony	121-1	1.98	2.05	2.08	2.03	2.51	ppb
Arsenic	75-2	204.85	203.27	202.71	203.61	0.54	ppb
Barium	135-1	514.96	518.12	525.00	519.36	0.99	ppb
Barium	137-1	503.90	511.80	513.27	509.66	0.99	ppb
Beryllium	9-1	1.44	1.40	1.41	1.42	1.25	ppb
Bismuth	209-1				98		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	2.25	2.18	2.10	2.18	3.53	ppb
Cadmium	106-1	3.44	3.94	4.16	3.84	9.60	ppb
Cadmium	111-1	0.97	1.04	1.07	1.03	5.00	ppb
Calcium	43-1	7816.14	7963.01	7986.05	7921.73	1.16	ppb
Calcium	44-1	8111.59	8234.69	8213.02	8186.43	0.80	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	182.27	178.30	176.91	179.16	1.55	ppb
Cobalt	59-2	81.73	83.45	81.27	82.15	1.40	ppb
Copper	63-2	192.89	195.55	193.37	193.94	0.73	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				105		%
Indium	115-1				104		%
Indium	115-2				105		%
Iron	54-2	175654.19	175605.49	172224.34	174494.67	1.13	ppb
Iron	56-2	174366.67	174447.80	171447.66	173420.71	0.99	ppb
Iron	57-2	174928.92	172178.28	172245.36	173117.52	0.91	ppb
Krypton	83-1						cps
Lead	206-1	60.29	64.15	65.65	63.36	4.37	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-05	Instrumnet Name :	P8
Client Sample ID :	MYD5L2	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:37:19	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	62.74	64.03	64.15	63.64	1.22	ppb
Lead	208-1	62.70	63.66	64.52	63.63	1.43	ppb
Lithium	6-1				109		%
Magnesium	24-2	35552.85	34764.83	34755.35	35024.35	1.31	ppb
Manganese	55-2	7652.09	7642.96	7491.95	7595.66	1.18	ppb
Molybdenum	94-1	13.15	13.27	13.20	13.21	0.46	ppb
Molybdenum	95-1	2.12	2.11	2.11	2.11	0.38	ppb
Molybdenum	96-1	3.56	3.61	3.62	3.60	0.84	ppb
Molybdenum	97-1	2.08	2.06	2.07	2.07	0.53	ppb
Molybdenum	98-1	2.02	2.06	2.03	2.04	1.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	116.42	115.67	114.99	115.69	0.62	ppb
Phosphorus	31-2	2005.46	1993.12	2007.46	2002.01	0.39	ppb
Potassium	39-2	10557.64	10392.39	10376.90	10442.31	0.96	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				120		%
Scandium	45-2				120		%
Selenium	82-1	1.01	1.22	1.38	1.21	15.59	ppb
Selenium	77-2	40.59	43.17	42.55	42.11	3.20	ppb
Selenium	78-2	10.51	9.88	9.50	9.96	5.12	ppb
Silicon	28-1	782.14	798.10	800.13	793.45	1.24	ppb
Silver	107-1	0.35	0.36	0.36	0.36	1.39	ppb
Silver	109-1	0.21	0.21	0.22	0.21	2.99	ppb
Sodium	23-2	171.66	171.41	169.84	170.97	0.58	ppb
Strontium	86-1	73.03	73.58	72.48	73.03	0.75	ppb
Strontium	88-1	74.38	76.04	75.07	75.16	1.11	ppb
Sulfur	34-1	-311.16	-287.32	-298.71	-299.06		ppb
Terbium	159-1				106		%
Terbium	159-2				106		%
Thallium	203-1	0.35	0.36	0.36	0.35	1.61	ppb
Thallium	205-1	0.35	0.37	0.37	0.36	2.09	ppb
Tin	118-1	2.80	2.83	2.91	2.85	1.91	ppb
Titanium	47-1	791.19	795.91	804.73	797.28	0.86	ppb
Uranium	238-1	1.04	1.08	1.07	1.06	2.00	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-05	Instrumnet Name :	P8
Client Sample ID :	MYD5L2	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:37:19	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	327.51	323.76	326.41	325.89	0.59	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				113		%
Yttrium	89-2				114		%
Zinc	66-2	267.39	266.91	263.32	265.87	0.84	ppb
Zirconium	90-1	6.50	6.60	6.57	6.56	0.80	ppb
Zirconium	91-1	6.66	6.72	6.68	6.68	0.44	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-06	Instrumnet Name :	P8
Client Sample ID :	MYD5L3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:40:22	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49366.62	48699.62	48457.98	48841.41	0.96	ppb
Antimony	121-1	1.86	1.91	1.90	1.89	1.32	ppb
Arsenic	75-2	209.11	208.85	204.98	207.65	1.11	ppb
Barium	135-1	389.19	393.82	390.00	391.00	0.63	ppb
Barium	137-1	388.95	395.37	389.84	391.39	0.89	ppb
Beryllium	9-1	1.35	1.35	1.32	1.34	1.29	ppb
Bismuth	209-1				99		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	1.97	2.20	1.94	2.04	6.96	ppb
Cadmium	106-1	3.76	4.51	4.19	4.16	9.03	ppb
Cadmium	111-1	0.99	1.02	1.02	1.01	1.44	ppb
Calcium	43-1	7287.30	7289.89	7406.44	7327.88	0.93	ppb
Calcium	44-1	7632.61	7498.55	7792.06	7641.07	1.92	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	163.22	163.38	160.62	162.41	0.95	ppb
Cobalt	59-2	78.13	77.24	77.97	77.78	0.61	ppb
Copper	63-2	192.47	190.33	192.07	191.63	0.59	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				104		%
Iron	54-2	172916.11	169511.04	170014.37	170813.84	1.08	ppb
Iron	56-2	172207.35	169926.91	170337.51	170823.92	0.71	ppb
Iron	57-2	172483.17	169423.89	173159.82	171688.96	1.16	ppb
Krypton	83-1						cps
Lead	206-1	44.38	44.63	44.00	44.34	0.71	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-06	Instrumnet Name :	P8
Client Sample ID :	MYD5L3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:40:22	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	45.55	45.94	45.18	45.56	0.84	ppb
Lead	208-1	46.28	46.27	45.35	45.97	1.17	ppb
Lithium	6-1				110		%
Magnesium	24-2	32875.50	32728.58	32752.32	32785.46	0.24	ppb
Manganese	55-2	6170.17	6168.83	6104.12	6147.71	0.61	ppb
Molybdenum	94-1	12.33	12.24	12.37	12.32	0.56	ppb
Molybdenum	95-1	2.19	2.18	2.21	2.20	0.71	ppb
Molybdenum	96-1	3.58	3.54	3.60	3.57	0.92	ppb
Molybdenum	97-1	2.13	2.13	2.16	2.14	0.90	ppb
Molybdenum	98-1	2.13	2.10	2.13	2.12	0.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	109.52	107.99	107.80	108.44	0.87	ppb
Phosphorus	31-2	1876.09	1801.61	1807.05	1828.25	2.27	ppb
Potassium	39-2	10452.93	10273.50	10330.04	10352.16	0.89	ppb
Rhodium	103-1				102		%
Rhodium	103-2				100		%
Scandium	45-1				122		%
Scandium	45-2				118		%
Selenium	82-1	0.85	0.95	1.24	1.02	20.27	ppb
Selenium	77-2	43.36	44.50	43.57	43.81	1.38	ppb
Selenium	78-2	8.30	8.41	8.72	8.48	2.58	ppb
Silicon	28-1	882.09	869.73	896.63	882.82	1.53	ppb
Silver	107-1	0.33	0.34	0.34	0.34	1.73	ppb
Silver	109-1	0.21	0.21	0.22	0.21	1.40	ppb
Sodium	23-2	163.68	161.57	160.00	161.75	1.14	ppb
Strontium	86-1	67.15	67.30	67.17	67.21	0.13	ppb
Strontium	88-1	68.58	67.15	68.41	68.04	1.15	ppb
Sulfur	34-1	-346.43	-370.72	-287.88	-335.01		ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	0.34	0.34	0.34	0.34	0.74	ppb
Thallium	205-1	0.34	0.35	0.34	0.34	1.41	ppb
Tin	118-1	2.90	3.03	2.93	2.95	2.22	ppb
Titanium	47-1	790.51	795.57	804.30	796.79	0.88	ppb
Uranium	238-1	1.02	1.02	1.01	1.02	0.86	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-06	Instrumnet Name :	P8
Client Sample ID :	MYD5L3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:40:22	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	322.94	321.24	318.35	320.84	0.72	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				114		%
Yttrium	89-2				111		%
Zinc	66-2	266.33	259.59	264.21	263.38	1.31	ppb
Zirconium	90-1	6.09	6.03	6.05	6.05	0.47	ppb
Zirconium	91-1	6.05	6.28	6.16	6.16	1.83	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-07	Instrumnet Name :	P8
Client Sample ID :	MYD5L4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:43:24	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52711.88	55545.84	48314.50	52190.74	6.98	ppb
Antimony	121-1	2.63	2.63	2.68	2.65	1.02	ppb
Arsenic	75-2	235.37	252.09	220.04	235.83	6.80	ppb
Barium	135-1	466.27	472.63	476.63	471.84	1.11	ppb
Barium	137-1	463.69	464.86	469.67	466.07	0.68	ppb
Beryllium	9-1	1.52	1.48	1.49	1.50	1.58	ppb
Bismuth	209-1				97		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Cadmium	108-1	2.44	2.37	2.50	2.44	2.72	ppb
Cadmium	106-1	4.89	5.01	4.43	4.78	6.38	ppb
Cadmium	111-1	1.23	1.25	1.21	1.23	1.57	ppb
Calcium	43-1	8621.05	8574.14	8659.40	8618.19	0.50	ppb
Calcium	44-1	9050.48	9067.32	9027.32	9048.37	0.22	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	173.33	181.20	160.33	171.62	6.14	ppb
Cobalt	59-2	100.61	104.07	92.43	99.04	6.04	ppb
Copper	63-2	233.62	235.19	208.45	225.75	6.64	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				106		%
Holmium	165-2				103		%
Indium	115-1				103		%
Indium	115-2				102		%
Iron	54-2	233398.16	241079.39	214157.22	229544.93	6.04	ppb
Iron	56-2	234559.48	242427.04	210751.67	229246.06	7.19	ppb
Iron	57-2	232132.78	243671.87	213809.94	229871.53	6.55	ppb
Krypton	83-1						cps
Lead	206-1	67.15	70.30	69.08	68.84	2.31	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-07	Instrumnet Name :	P8
Client Sample ID :	MYD5L4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:43:24	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	68.42	73.11	71.83	71.12	3.41	ppb
Lead	208-1	68.86	71.45	71.65	70.65	2.20	ppb
Lithium	6-1				109		%
Magnesium	24-2	35094.02	36858.57	32332.32	34761.64	6.56	ppb
Manganese	55-2	9484.34	9775.43	8647.36	9302.38	6.30	ppb
Molybdenum	94-1	15.71	15.68	15.54	15.65	0.58	ppb
Molybdenum	95-1	2.54	2.49	2.50	2.51	1.14	ppb
Molybdenum	96-1	4.30	4.30	4.29	4.29	0.12	ppb
Molybdenum	97-1	2.47	2.45	2.46	2.46	0.27	ppb
Molybdenum	98-1	2.45	2.48	2.43	2.45	1.01	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	118.64	124.05	109.70	117.46	6.17	ppb
Phosphorus	31-2	2123.71	2235.94	1886.47	2082.04	8.57	ppb
Potassium	39-2	11096.53	11596.20	10343.51	11012.08	5.73	ppb
Rhodium	103-1				100		%
Rhodium	103-2				97		%
Scandium	45-1				118		%
Scandium	45-2				116		%
Selenium	82-1	1.41	0.82	0.94	1.06	29.13	ppb
Selenium	77-2	43.37	46.80	46.18	45.45	4.03	ppb
Selenium	78-2	8.04	12.62	10.51	10.39	22.07	ppb
Silicon	28-1	677.44	657.68	669.26	668.13	1.49	ppb
Silver	107-1	0.42	0.43	0.43	0.43	1.30	ppb
Silver	109-1	0.26	0.27	0.27	0.27	1.70	ppb
Sodium	23-2	165.53	171.24	148.52	161.76	7.31	ppb
Strontium	86-1	85.47	84.24	83.65	84.46	1.10	ppb
Strontium	88-1	86.55	85.23	87.61	86.46	1.38	ppb
Sulfur	34-1	-237.80	-228.90	-155.01	-207.24		ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	0.36	0.39	0.39	0.38	4.24	ppb
Thallium	205-1	0.38	0.41	0.40	0.40	3.38	ppb
Tin	118-1	2.91	2.96	2.98	2.95	1.15	ppb
Titanium	47-1	786.90	776.62	785.56	783.03	0.71	ppb
Uranium	238-1	1.16	1.21	1.18	1.18	2.43	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-07	Instrumnet Name :	P8
Client Sample ID :	MYD5L4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:43:24	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	346.77	358.88	315.82	340.49	6.52	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				113		%
Yttrium	89-2				110		%
Zinc	66-2	350.01	366.56	319.35	345.30	6.94	ppb
Zirconium	90-1	7.89	7.86	7.80	7.85	0.56	ppb
Zirconium	91-1	8.06	7.95	7.84	7.95	1.43	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-08	Instrumnet Name :	P8
Client Sample ID :	MYD5L5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:46:27	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	38191.13	38645.26	39252.68	38696.36	1.38	ppb
Antimony	121-1	2.80	2.74	2.74	2.76	1.28	ppb
Arsenic	75-2	180.64	179.33	178.69	179.55	0.55	ppb
Barium	135-1	749.36	755.48	753.22	752.69	0.41	ppb
Barium	137-1	757.19	748.04	753.90	753.05	0.62	ppb
Beryllium	9-1	1.52	1.50	1.55	1.52	1.35	ppb
Bismuth	209-1				97		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Cadmium	108-1	2.83	2.84	2.81	2.83	0.55	ppb
Cadmium	106-1	5.73	5.00	4.75	5.16	9.87	ppb
Cadmium	111-1	1.88	1.80	1.76	1.81	3.31	ppb
Calcium	43-1	7166.66	7147.56	7273.75	7195.99	0.95	ppb
Calcium	44-1	7519.58	7457.23	7492.00	7489.60	0.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	124.81	125.18	125.69	125.23	0.35	ppb
Cobalt	59-2	77.12	77.52	78.52	77.72	0.93	ppb
Copper	63-2	229.20	226.49	225.58	227.09	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				105		%
Holmium	165-2				102		%
Indium	115-1				103		%
Indium	115-2				102		%
Iron	54-2	191268.92	192262.89	195126.65	192886.15	1.04	ppb
Iron	56-2	191899.11	192194.66	190621.16	191571.64	0.44	ppb
Iron	57-2	192215.01	193566.81	191817.62	192533.15	0.48	ppb
Krypton	83-1						cps
Lead	206-1	76.48	76.94	77.54	76.99	0.70	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-08	Instrumnet Name :	P8
Client Sample ID :	MYD5L5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:46:27	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	77.68	78.82	79.43	78.64	1.13	ppb
Lead	208-1	77.42	78.05	78.10	77.86	0.49	ppb
Lithium	6-1				108		%
Magnesium	24-2	22271.65	22968.23	22840.09	22693.32	1.63	ppb
Manganese	55-2	8909.93	9095.18	9071.29	9025.47	1.12	ppb
Molybdenum	94-1	15.23	15.45	15.42	15.37	0.78	ppb
Molybdenum	95-1	2.16	2.15	2.16	2.16	0.26	ppb
Molybdenum	96-1	3.85	3.88	3.86	3.86	0.29	ppb
Molybdenum	97-1	2.04	2.10	2.07	2.07	1.67	ppb
Molybdenum	98-1	2.03	2.07	2.08	2.06	1.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	106.69	106.75	106.83	106.76	0.07	ppb
Phosphorus	31-2	2096.22	2178.95	2190.83	2155.33	2.39	ppb
Potassium	39-2	10185.28	10209.41	10016.00	10136.90	1.04	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				116		%
Scandium	45-2				111		%
Selenium	82-1	0.88	0.75	0.81	0.82	7.92	ppb
Selenium	77-2	45.28	38.40	43.87	42.52	8.54	ppb
Selenium	78-2	8.44	8.42	9.16	8.68	4.85	ppb
Silicon	28-1	866.93	866.76	880.77	871.49	0.92	ppb
Silver	107-1	0.49	0.50	0.52	0.50	2.70	ppb
Silver	109-1	0.38	0.38	0.38	0.38	0.48	ppb
Sodium	23-2	143.37	143.83	144.69	143.96	0.47	ppb
Strontium	86-1	71.48	72.70	73.31	72.50	1.29	ppb
Strontium	88-1	73.12	73.94	75.19	74.08	1.41	ppb
Sulfur	34-1	-29.60	-53.32	-1.35	-28.09		ppb
Terbium	159-1				105		%
Terbium	159-2				103		%
Thallium	203-1	0.46	0.47	0.47	0.46	1.57	ppb
Thallium	205-1	0.48	0.47	0.46	0.47	1.62	ppb
Tin	118-1	3.86	3.77	3.84	3.83	1.20	ppb
Titanium	47-1	842.74	844.26	852.07	846.36	0.59	ppb
Uranium	238-1	1.15	1.15	1.16	1.15	0.70	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-08	Instrumnet Name :	P8
Client Sample ID :	MYD5L5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:46:27	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	287.04	289.93	288.46	288.48	0.50	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				112		%
Yttrium	89-2				109		%
Zinc	66-2	327.48	327.98	329.26	328.24	0.28	ppb
Zirconium	90-1	7.70	7.80	7.88	7.79	1.10	ppb
Zirconium	91-1	7.68	7.91	8.01	7.87	2.14	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-09	Instrumnet Name :	P8
Client Sample ID :	MYD5L6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:49:29	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50423.65	49588.30	49754.38	49922.11	0.89	ppb
Antimony	121-1	2.75	2.74	2.78	2.76	0.71	ppb
Arsenic	75-2	270.14	272.16	277.77	273.36	1.45	ppb
Barium	135-1	846.87	834.04	844.63	841.85	0.81	ppb
Barium	137-1	842.71	816.83	854.30	837.95	2.29	ppb
Beryllium	9-1	1.53	1.55	1.57	1.55	1.48	ppb
Bismuth	209-1				97		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	2.31	2.28	2.50	2.36	5.05	ppb
Cadmium	106-1	4.72	3.31	4.29	4.11	17.59	ppb
Cadmium	111-1	1.53	1.42	1.52	1.49	4.20	ppb
Calcium	43-1	9099.39	9141.00	9294.71	9178.37	1.12	ppb
Calcium	44-1	9235.78	9455.64	9442.24	9377.89	1.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	138.10	147.49	143.47	143.02	3.30	ppb
Cobalt	59-2	102.79	100.03	98.87	100.56	2.00	ppb
Copper	63-2	265.50	268.20	263.22	265.64	0.94	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				102		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	54-2	233006.97	234994.14	229740.01	232580.37	1.14	ppb
Iron	56-2	229119.15	230550.57	228639.90	229436.54	0.43	ppb
Iron	57-2	234005.32	231708.38	226413.79	230709.16	1.69	ppb
Krypton	83-1						cps
Lead	206-1	78.23	79.60	79.01	78.94	0.87	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-09	Instrumnet Name :	P8
Client Sample ID :	MYD5L6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:49:29	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	81.06	83.24	81.36	81.89	1.45	ppb
Lead	208-1	79.96	81.63	79.75	80.45	1.28	ppb
Lithium	6-1				108		%
Magnesium	24-2	32364.97	31717.39	32112.41	32064.92	1.02	ppb
Manganese	55-2	13011.86	13046.73	13021.83	13026.81	0.14	ppb
Molybdenum	94-1	12.79	13.24	13.31	13.11	2.16	ppb
Molybdenum	95-1	2.99	3.05	3.09	3.04	1.60	ppb
Molybdenum	96-1	4.55	4.58	4.60	4.57	0.54	ppb
Molybdenum	97-1	2.93	3.09	3.03	3.02	2.55	ppb
Molybdenum	98-1	2.95	2.95	3.02	2.98	1.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	110.60	111.64	110.08	110.77	0.72	ppb
Phosphorus	31-2	2943.69	2909.08	2888.89	2913.89	0.95	ppb
Potassium	39-2	14579.44	14747.85	14860.59	14729.29	0.96	ppb
Rhodium	103-1				99		%
Rhodium	103-2				97		%
Scandium	45-1				117		%
Scandium	45-2				112		%
Selenium	82-1	0.57	0.68	0.66	0.64	8.83	ppb
Selenium	77-2	41.46	44.95	37.54	41.32	8.98	ppb
Selenium	78-2	10.29	9.51	9.76	9.85	4.05	ppb
Silicon	28-1	739.87	722.46	732.23	731.52	1.19	ppb
Silver	107-1	0.47	0.45	0.47	0.46	2.20	ppb
Silver	109-1	0.31	0.31	0.32	0.31	1.44	ppb
Sodium	23-2	159.07	158.90	157.88	158.62	0.41	ppb
Strontium	86-1	86.60	89.26	89.53	88.46	1.83	ppb
Strontium	88-1	88.32	90.47	90.00	89.60	1.26	ppb
Sulfur	34-1	175.71	104.46	360.82	213.67	61.93	ppb
Terbium	159-1				106		%
Terbium	159-2				103		%
Thallium	203-1	0.41	0.42	0.42	0.42	0.77	ppb
Thallium	205-1	0.42	0.42	0.43	0.42	0.50	ppb
Tin	118-1	3.03	2.88	3.01	2.97	2.78	ppb
Titanium	47-1	835.36	832.43	835.75	834.51	0.22	ppb
Uranium	238-1	1.17	1.19	1.18	1.18	0.79	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-09	Instrumnet Name :	P8
Client Sample ID :	MYD5L6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:49:29	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	361.07	358.53	350.12	356.57	1.61	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				112		%
Yttrium	89-2				109		%
Zinc	66-2	373.67	370.24	368.63	370.85	0.69	ppb
Zirconium	90-1	6.03	6.24	6.25	6.17	2.02	ppb
Zirconium	91-1	6.10	6.41	6.38	6.30	2.72	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-10	Instrumnet Name :	P8
Client Sample ID :	MYD5L7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:52:32	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	42825.11	43523.47	43312.82	43220.47	0.83	ppb
Antimony	121-1	2.30	2.28	2.34	2.31	1.22	ppb
Arsenic	75-2	156.41	152.48	151.91	153.60	1.60	ppb
Barium	135-1	470.39	466.26	472.05	469.56	0.63	ppb
Barium	137-1	462.28	465.44	476.23	467.98	1.56	ppb
Beryllium	9-1	1.34	1.32	1.33	1.33	0.56	ppb
Bismuth	209-1				96		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Cadmium	108-1	2.56	2.63	2.70	2.63	2.66	ppb
Cadmium	106-1	5.17	4.28	4.68	4.71	9.43	ppb
Cadmium	111-1	0.91	0.83	0.86	0.87	4.41	ppb
Calcium	43-1	5975.25	5968.58	5903.13	5948.99	0.67	ppb
Calcium	44-1	6261.46	6176.84	6064.59	6167.63	1.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	128.94	129.97	130.05	129.65	0.48	ppb
Cobalt	59-2	81.00	81.35	81.72	81.36	0.45	ppb
Copper	63-2	182.94	184.29	187.76	184.99	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				105		%
Holmium	165-2				101		%
Indium	115-1				103		%
Indium	115-2				99		%
Iron	54-2	209813.32	211639.04	209395.79	210282.72	0.57	ppb
Iron	56-2	212031.45	209830.03	208822.33	210227.94	0.78	ppb
Iron	57-2	209585.48	213448.69	211894.56	211642.91	0.92	ppb
Krypton	83-1						cps
Lead	206-1	46.79	46.67	47.00	46.82	0.36	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-10	Instrumnet Name :	P8
Client Sample ID :	MYD5L7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:52:32	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	48.64	49.18	49.09	48.97	0.59	ppb
Lead	208-1	48.31	48.98	49.12	48.80	0.89	ppb
Lithium	6-1				107		%
Magnesium	24-2	27479.90	27880.41	27474.70	27611.67	0.84	ppb
Manganese	55-2	8511.49	8487.70	8503.77	8500.98	0.14	ppb
Molybdenum	94-1	19.54	19.44	19.88	19.62	1.17	ppb
Molybdenum	95-1	2.39	2.44	2.46	2.43	1.43	ppb
Molybdenum	96-1	4.58	4.59	4.70	4.62	1.46	ppb
Molybdenum	97-1	2.32	2.36	2.35	2.34	0.91	ppb
Molybdenum	98-1	2.32	2.33	2.36	2.34	1.02	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	96.17	95.53	94.98	95.56	0.62	ppb
Phosphorus	31-2	1543.51	1552.98	1589.63	1562.04	1.56	ppb
Potassium	39-2	9780.27	9884.70	9784.80	9816.59	0.60	ppb
Rhodium	103-1				98		%
Rhodium	103-2				96		%
Scandium	45-1				114		%
Scandium	45-2				108		%
Selenium	82-1	0.12	0.00	-0.08	0.01	910.02	ppb
Selenium	77-2	40.94	41.11	35.17	39.07	8.65	ppb
Selenium	78-2	9.79	8.96	6.70	8.48	18.89	ppb
Silicon	28-1	807.44	796.21	780.65	794.77	1.69	ppb
Silver	107-1	0.29	0.28	0.29	0.28	1.26	ppb
Silver	109-1	0.14	0.14	0.15	0.14	3.15	ppb
Sodium	23-2	144.67	145.50	144.00	144.72	0.52	ppb
Strontium	86-1	70.52	70.58	72.41	71.17	1.51	ppb
Strontium	88-1	73.37	72.35	73.97	73.23	1.12	ppb
Sulfur	34-1	-336.67	-354.67	-427.73	-373.02		ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	0.35	0.36	0.37	0.36	2.12	ppb
Thallium	205-1	0.37	0.37	0.36	0.37	1.73	ppb
Tin	118-1	2.64	2.56	2.63	2.61	1.82	ppb
Titanium	47-1	988.90	977.70	967.82	978.14	1.08	ppb
Uranium	238-1	1.21	1.22	1.22	1.22	0.18	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-10	Instrumnet Name :	P8
Client Sample ID :	MYD5L7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:52:32	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	295.41	303.13	295.29	297.94	1.51	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				111		%
Yttrium	89-2				107		%
Zinc	66-2	282.14	284.76	284.67	283.86	0.52	ppb
Zirconium	90-1	10.02	10.06	10.24	10.11	1.17	ppb
Zirconium	91-1	10.13	10.03	10.21	10.13	0.89	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-11	Instrumnet Name :	P8
Client Sample ID :	MYD5L8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:55:36	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	34213.56	31817.68	31797.42	32609.55	4.26	ppb
Antimony	121-1	2.93	2.99	2.78	2.90	3.62	ppb
Arsenic	75-2	143.97	134.03	132.40	136.80	4.58	ppb
Barium	135-1	452.15	455.94	438.82	448.97	2.00	ppb
Barium	137-1	452.27	458.38	438.58	449.75	2.25	ppb
Beryllium	9-1	1.15	1.16	1.09	1.13	3.33	ppb
Bismuth	209-1				97		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	3.34	3.23	3.30	3.29	1.73	ppb
Cadmium	106-1	4.77	5.08	3.58	4.48	17.66	ppb
Cadmium	111-1	2.10	2.24	1.93	2.09	7.47	ppb
Calcium	43-1	3930.33	4065.22	3873.44	3956.33	2.49	ppb
Calcium	44-1	4106.70	4124.77	4042.16	4091.21	1.06	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	96.82	90.38	89.82	92.34	4.21	ppb
Cobalt	59-2	67.17	63.13	62.23	64.18	4.10	ppb
Copper	63-2	279.62	267.12	266.47	271.07	2.73	ppb
Dysprosium	156-1						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				97		%
Indium	115-1				102		%
Indium	115-2				96		%
Iron	54-2	208968.20	192413.34	190737.45	197373.00	5.11	ppb
Iron	56-2	204560.61	191746.94	191002.85	195770.13	3.89	ppb
Iron	57-2	203792.00	192873.41	190038.96	195568.12	3.71	ppb
Krypton	83-1						cps
Lead	206-1	104.19	107.48	104.91	105.53	1.64	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-11	Instrumnet Name :	P8
Client Sample ID :	MYD5L8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:55:36	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	107.22	108.84	104.64	106.90	1.98	ppb
Lead	208-1	105.69	107.20	103.28	105.39	1.87	ppb
Lithium	6-1				105		%
Magnesium	24-2	19271.58	18340.83	18359.11	18657.17	2.85	ppb
Manganese	55-2	7545.85	7019.65	7017.82	7194.44	4.23	ppb
Molybdenum	94-1	18.62	18.94	18.53	18.70	1.15	ppb
Molybdenum	95-1	1.78	1.82	1.79	1.80	1.10	ppb
Molybdenum	96-1	3.84	3.96	3.89	3.90	1.55	ppb
Molybdenum	97-1	1.76	1.79	1.77	1.77	0.81	ppb
Molybdenum	98-1	1.71	1.74	1.72	1.73	0.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	82.03	76.83	76.28	78.38	4.05	ppb
Phosphorus	31-2	1469.72	1317.54	1336.85	1374.70	6.03	ppb
Potassium	39-2	7758.10	7406.41	7374.88	7513.13	2.83	ppb
Rhodium	103-1				97		%
Rhodium	103-2				93		%
Scandium	45-1				109		%
Scandium	45-2				100		%
Selenium	82-1	-0.33	-0.45	-0.48	-0.42		ppb
Selenium	77-2	41.91	35.55	33.92	37.13	11.37	ppb
Selenium	78-2	8.86	6.99	6.87	7.57	14.69	ppb
Silicon	28-1	1174.97	1189.10	1128.81	1164.29	2.71	ppb
Silver	107-1	0.54	0.55	0.52	0.54	2.54	ppb
Silver	109-1	0.49	0.50	0.47	0.48	2.42	ppb
Sodium	23-2	109.48	102.30	99.49	103.75	4.96	ppb
Strontium	86-1	36.67	37.92	37.16	37.25	1.70	ppb
Strontium	88-1	38.29	38.92	37.49	38.24	1.87	ppb
Sulfur	34-1	-114.96	-9.84	-263.16	-129.32		ppb
Terbium	159-1				104		%
Terbium	159-2				98		%
Thallium	203-1	0.36	0.37	0.36	0.36	2.16	ppb
Thallium	205-1	0.37	0.37	0.35	0.36	3.23	ppb
Tin	118-1	2.98	3.09	2.86	2.97	3.81	ppb
Titanium	47-1	860.74	880.09	835.68	858.84	2.59	ppb
Uranium	238-1	0.92	0.91	0.88	0.90	2.12	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-11	Instrumnet Name :	P8
Client Sample ID :	MYD5L8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:55:36	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	222.08	206.75	203.54	210.79	4.70	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				107		%
Yttrium	89-2				100		%
Zinc	66-2	346.09	323.83	320.57	330.16	4.21	ppb
Zirconium	90-1	9.77	10.02	9.77	9.86	1.48	ppb
Zirconium	91-1	9.89	10.11	9.90	9.97	1.23	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-12	Instrumnet Name :	P8
Client Sample ID :	MYD5L9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:58:41	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	62026.62	62881.91	63132.48	62680.34	0.93	ppb
Antimony	121-1	2.42	2.51	2.50	2.48	1.86	ppb
Arsenic	75-2	214.65	214.32	212.70	213.89	0.49	ppb
Barium	135-1	583.70	596.12	586.19	588.67	1.12	ppb
Barium	137-1	584.78	592.66	586.49	587.98	0.70	ppb
Beryllium	9-1	1.83	1.77	1.80	1.80	1.70	ppb
Bismuth	209-1				94		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	4.15	3.92	3.82	3.96	4.25	ppb
Cadmium	106-1	6.49	6.87	7.00	6.79	3.88	ppb
Cadmium	111-1	1.10	1.15	1.21	1.15	4.86	ppb
Calcium	43-1	10314.25	10275.74	10004.11	10198.03	1.66	ppb
Calcium	44-1	10178.81	10251.16	9993.96	10141.31	1.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	172.82	177.65	178.72	176.40	1.78	ppb
Cobalt	59-2	94.55	91.69	93.05	93.10	1.54	ppb
Copper	63-2	238.14	235.63	239.77	237.85	0.88	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				98		%
Indium	115-1				98		%
Indium	115-2				96		%
Iron	54-2	202250.56	206616.55	208598.19	205821.77	1.58	ppb
Iron	56-2	209373.79	208822.57	208277.06	208824.47	0.26	ppb
Iron	57-2	206971.28	206882.44	207038.35	206964.02	0.04	ppb
Krypton	83-1						cps
Lead	206-1	55.52	57.02	55.89	56.14	1.40	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-12	Instrumnet Name :	P8
Client Sample ID :	MYD5L9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:58:41	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	57.49	58.10	57.09	57.56	0.88	ppb
Lead	208-1	57.92	58.33	57.52	57.92	0.70	ppb
Lithium	6-1				102		%
Magnesium	24-2	33395.11	33671.57	33650.24	33572.31	0.46	ppb
Manganese	55-2	6901.85	6959.14	7035.92	6965.63	0.97	ppb
Molybdenum	94-1	28.56	28.87	29.21	28.88	1.13	ppb
Molybdenum	95-1	1.88	1.90	1.92	1.90	1.01	ppb
Molybdenum	96-1	5.13	5.22	5.15	5.17	0.89	ppb
Molybdenum	97-1	1.90	1.87	1.90	1.89	0.98	ppb
Molybdenum	98-1	1.86	1.89	1.88	1.87	0.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	126.03	125.87	126.99	126.30	0.48	ppb
Phosphorus	31-2	1284.96	1302.24	1308.42	1298.54	0.94	ppb
Potassium	39-2	5748.51	5646.22	5621.91	5672.21	1.18	ppb
Rhodium	103-1				94		%
Rhodium	103-2				92		%
Scandium	45-1				112		%
Scandium	45-2				107		%
Selenium	82-1	0.35	0.20	0.15	0.23	43.78	ppb
Selenium	77-2	47.03	45.01	52.14	48.06	7.65	ppb
Selenium	78-2	11.06	12.09	11.80	11.65	4.58	ppb
Silicon	28-1	775.14	781.60	789.07	781.94	0.89	ppb
Silver	107-1	0.37	0.38	0.36	0.37	2.63	ppb
Silver	109-1	0.21	0.22	0.21	0.22	3.11	ppb
Sodium	23-2	129.17	130.05	129.91	129.71	0.36	ppb
Strontium	86-1	68.55	69.35	69.32	69.07	0.66	ppb
Strontium	88-1	71.03	70.29	70.03	70.45	0.73	ppb
Sulfur	34-1	-376.63	-364.91	-379.18	-373.57		ppb
Terbium	159-1				101		%
Terbium	159-2				99		%
Thallium	203-1	0.37	0.37	0.36	0.37	2.14	ppb
Thallium	205-1	0.37	0.38	0.37	0.38	1.44	ppb
Tin	118-1	2.76	2.86	2.83	2.82	1.77	ppb
Titanium	47-1	990.08	997.59	985.71	991.13	0.61	ppb
Uranium	238-1	1.49	1.52	1.50	1.50	1.12	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-12	Instrumnet Name :	P8
Client Sample ID :	MYD5L9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:58:41	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	365.34	372.90	370.05	369.43	1.03	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				103		%
Zinc	66-2	270.65	273.95	274.71	273.10	0.79	ppb
Zirconium	90-1	15.44	15.69	15.92	15.68	1.52	ppb
Zirconium	91-1	15.48	15.66	16.11	15.75	2.04	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-13	Instrumnet Name :	P8
Client Sample ID :	MYD5M0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:01:44	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	37409.52	37815.99	37356.87	37527.46	0.67	ppb
Antimony	121-1	3.70	3.72	3.75	3.73	0.68	ppb
Arsenic	75-2	139.44	138.52	137.53	138.49	0.69	ppb
Barium	135-1	593.04	587.34	598.52	592.97	0.94	ppb
Barium	137-1	591.54	599.17	593.02	594.57	0.68	ppb
Beryllium	9-1	1.43	1.43	1.45	1.44	0.89	ppb
Bismuth	209-1				96		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Cadmium	108-1	3.85	3.47	3.71	3.68	5.20	ppb
Cadmium	106-1	5.63	5.99	5.35	5.66	5.61	ppb
Cadmium	111-1	2.26	2.33	2.29	2.29	1.44	ppb
Calcium	43-1	5030.93	5003.09	5049.55	5027.86	0.47	ppb
Calcium	44-1	5293.30	5197.63	5160.72	5217.22	1.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	113.79	113.64	115.75	114.39	1.03	ppb
Cobalt	59-2	66.82	67.41	68.23	67.49	1.04	ppb
Copper	63-2	235.67	233.75	236.59	235.34	0.61	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				99		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	54-2	210263.60	207108.01	211666.85	209679.49	1.11	ppb
Iron	56-2	204706.08	207701.94	209383.96	207263.99	1.14	ppb
Iron	57-2	208425.34	210186.77	211256.96	209956.36	0.68	ppb
Krypton	83-1						cps
Lead	206-1	113.94	115.67	112.58	114.06	1.35	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-13	Instrumnet Name :	P8
Client Sample ID :	MYD5M0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:01:44	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	117.29	116.83	118.33	117.49	0.66	ppb
Lead	208-1	115.07	115.97	116.24	115.76	0.53	ppb
Lithium	6-1				100		%
Magnesium	24-2	23011.13	23178.25	23056.76	23082.05	0.37	ppb
Manganese	55-2	7670.78	7611.22	7760.84	7680.95	0.98	ppb
Molybdenum	94-1	20.67	20.78	21.00	20.82	0.81	ppb
Molybdenum	95-1	2.12	2.13	2.16	2.14	0.82	ppb
Molybdenum	96-1	4.49	4.53	4.66	4.56	1.91	ppb
Molybdenum	97-1	2.12	2.10	2.08	2.10	0.83	ppb
Molybdenum	98-1	2.02	2.05	2.10	2.05	1.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	92.66	92.87	93.70	93.08	0.59	ppb
Phosphorus	31-2	1881.60	1923.96	1870.83	1892.13	1.48	ppb
Potassium	39-2	9327.37	9470.90	9336.48	9378.25	0.86	ppb
Rhodium	103-1				97		%
Rhodium	103-2				95		%
Scandium	45-1				109		%
Scandium	45-2				103		%
Selenium	82-1	-0.48	-0.56	-0.66	-0.56		ppb
Selenium	77-2	37.09	33.89	42.03	37.67	10.89	ppb
Selenium	78-2	9.22	8.50	8.65	8.79	4.33	ppb
Silicon	28-1	821.95	801.51	809.20	810.89	1.27	ppb
Silver	107-1	0.58	0.58	0.58	0.58	0.49	ppb
Silver	109-1	0.49	0.49	0.48	0.49	1.17	ppb
Sodium	23-2	117.75	116.76	116.73	117.08	0.49	ppb
Strontium	86-1	53.49	53.84	54.76	54.03	1.22	ppb
Strontium	88-1	55.71	55.15	56.11	55.66	0.86	ppb
Sulfur	34-1	-83.46	-147.00	-54.19	-94.88		ppb
Terbium	159-1				103		%
Terbium	159-2				101		%
Thallium	203-1	0.40	0.39	0.39	0.40	1.19	ppb
Thallium	205-1	0.40	0.39	0.40	0.39	1.12	ppb
Tin	118-1	2.65	2.62	2.62	2.63	0.55	ppb
Titanium	47-1	918.08	919.07	911.94	916.36	0.42	ppb
Uranium	238-1	0.98	0.98	0.99	0.98	0.77	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-13	Instrumnet Name :	P8
Client Sample ID :	MYD5M0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:01:44	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	253.70	249.42	256.39	253.17	1.39	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				107		%
Yttrium	89-2				103		%
Zinc	66-2	371.24	372.22	376.61	373.35	0.77	ppb
Zirconium	90-1	10.89	10.86	11.11	10.95	1.23	ppb
Zirconium	91-1	10.92	11.00	11.18	11.03	1.19	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-14	Instrumnet Name :	P8
Client Sample ID :	MYD5M1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:04:49	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	44276.33	45497.88	44442.97	44739.06	1.48	ppb
Antimony	121-1	3.93	3.95	3.98	3.95	0.67	ppb
Arsenic	75-2	250.92	250.60	251.85	251.12	0.26	ppb
Barium	135-1	1380.11	1396.14	1395.99	1390.75	0.66	ppb
Barium	137-1	1378.63	1404.79	1411.81	1398.41	1.25	ppb
Beryllium	9-1	1.55	1.55	1.53	1.54	0.61	ppb
Bismuth	209-1				95		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	4.27	3.94	4.17	4.13	4.07	ppb
Cadmium	106-1	6.14	6.12	6.02	6.09	1.05	ppb
Cadmium	111-1	2.83	2.86	2.89	2.86	1.06	ppb
Calcium	43-1	5456.28	5503.78	5530.70	5496.92	0.69	ppb
Calcium	44-1	5717.02	5614.14	5643.86	5658.34	0.94	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	133.41	135.87	135.33	134.87	0.96	ppb
Cobalt	59-2	86.31	89.31	89.00	88.20	1.87	ppb
Copper	63-2	330.08	335.97	332.95	333.00	0.88	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				97		%
Indium	115-1				100		%
Indium	115-2				96		%
Iron	54-2	251192.44	254923.14	253892.51	253336.03	0.76	ppb
Iron	56-2	245629.49	254227.29	246216.20	248690.99	1.93	ppb
Iron	57-2	245407.21	250936.78	251198.67	249180.89	1.31	ppb
Krypton	83-1						cps
Lead	206-1	144.37	146.31	144.56	145.08	0.74	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-14	Instrumnet Name :	P8
Client Sample ID :	MYD5M1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:04:49	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	148.04	150.35	147.28	148.55	1.07	ppb
Lead	208-1	146.00	146.35	145.49	145.95	0.29	ppb
Lithium	6-1				100		%
Magnesium	24-2	28548.38	29551.74	28873.66	28991.26	1.77	ppb
Manganese	55-2	16041.08	16313.47	15865.00	16073.18	1.41	ppb
Molybdenum	94-1	19.57	19.55	20.04	19.72	1.42	ppb
Molybdenum	95-1	3.08	3.11	3.18	3.12	1.57	ppb
Molybdenum	96-1	5.30	5.28	5.44	5.34	1.69	ppb
Molybdenum	97-1	2.99	3.01	3.05	3.02	0.99	ppb
Molybdenum	98-1	2.96	2.95	3.08	3.00	2.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	104.62	107.94	106.20	106.25	1.56	ppb
Phosphorus	31-2	1999.38	2094.88	2125.68	2073.31	3.18	ppb
Potassium	39-2	11304.79	11673.03	11404.85	11460.89	1.66	ppb
Rhodium	103-1				94		%
Rhodium	103-2				92		%
Scandium	45-1				108		%
Scandium	45-2				103		%
Selenium	82-1	0.14	-0.18	-0.30	-0.11		ppb
Selenium	77-2	38.20	42.60	42.73	41.18	6.26	ppb
Selenium	78-2	9.84	10.84	10.62	10.43	5.04	ppb
Silicon	28-1	619.15	631.78	634.99	628.64	1.33	ppb
Silver	107-1	0.81	0.84	0.84	0.83	1.90	ppb
Silver	109-1	0.67	0.69	0.70	0.68	2.14	ppb
Sodium	23-2	143.34	146.15	144.63	144.71	0.97	ppb
Strontium	86-1	92.07	91.30	92.81	92.06	0.82	ppb
Strontium	88-1	94.66	93.14	94.52	94.11	0.89	ppb
Sulfur	34-1	-277.17	-198.02	-211.54	-228.91		ppb
Terbium	159-1				101		%
Terbium	159-2				97		%
Thallium	203-1	0.45	0.46	0.44	0.45	1.54	ppb
Thallium	205-1	0.45	0.45	0.45	0.45	0.26	ppb
Tin	118-1	2.82	2.87	2.94	2.87	2.04	ppb
Titanium	47-1	829.71	835.17	827.47	830.78	0.48	ppb
Uranium	238-1	1.17	1.18	1.17	1.17	0.65	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-14	Instrumnet Name :	P8
Client Sample ID :	MYD5M1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:04:49	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	340.36	341.58	345.13	342.35	0.72	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				106		%
Yttrium	89-2				102		%
Zinc	66-2	449.81	458.98	456.83	455.21	1.05	ppb
Zirconium	90-1	9.71	9.69	9.90	9.77	1.21	ppb
Zirconium	91-1	9.79	9.91	10.20	9.97	2.13	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-15	Instrumnet Name :	P8
Client Sample ID :	MYD5M2	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:07:52	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49687.57	54689.33	51678.98	52018.63	4.84	ppb
Antimony	121-1	3.01	2.98	6.09	4.02	44.49	ppb
Arsenic	75-2	247.23	271.72	257.49	258.81	4.75	ppb
Barium	135-1	616.50	607.66	1214.10	812.75	42.77	ppb
Barium	137-1	620.47	601.85	1235.65	819.32	44.02	ppb
Beryllium	9-1	1.57	1.55	2.98	2.04	40.34	ppb
Bismuth	209-1				78		%
Bismuth	209-2				85		%
Bromine	81-1						cps
Cadmium	108-1	3.90	3.56	7.56	5.01	44.25	ppb
Cadmium	106-1	6.64	5.91	12.75	8.44	44.49	ppb
Cadmium	111-1	1.73	1.67	3.41	2.27	43.53	ppb
Calcium	43-1	6562.85	6490.49	12236.67	8430.00	39.11	ppb
Calcium	44-1	6808.25	6732.13	12412.61	8651.00	37.66	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	145.95	159.21	150.93	152.03	4.41	ppb
Cobalt	59-2	85.59	95.36	89.64	90.19	5.44	ppb
Copper	63-2	270.61	298.78	282.75	284.04	4.97	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				85		%
Holmium	165-2				91		%
Indium	115-1				82		%
Indium	115-2				89		%
Iron	54-2	217306.85	235514.56	224230.23	225683.88	4.07	ppb
Iron	56-2	216946.27	240580.10	226390.97	227972.45	5.22	ppb
Iron	57-2	213577.20	237207.24	224847.53	225210.66	5.25	ppb
Krypton	83-1						cps
Lead	206-1	80.80	77.47	164.39	107.55	45.79	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-15	Instrumnet Name :	P8
Client Sample ID :	MYD5M2	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:07:52	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	82.25	76.73	168.55	109.18	47.16	ppb
Lead	208-1	81.45	77.90	165.82	108.39	45.92	ppb
Lithium	6-1				85		%
Magnesium	24-2	28359.70	31709.44	29897.13	29988.76	5.59	ppb
Manganese	55-2	8296.84	9100.95	8422.35	8606.71	5.03	ppb
Molybdenum	94-1	25.52	25.25	48.72	33.16	40.63	ppb
Molybdenum	95-1	2.42	2.40	4.60	3.14	40.13	ppb
Molybdenum	96-1	5.36	5.17	10.08	6.87	40.52	ppb
Molybdenum	97-1	2.39	2.36	4.53	3.09	40.25	ppb
Molybdenum	98-1	2.33	2.26	4.44	3.01	41.16	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	117.64	130.72	123.53	123.96	5.28	ppb
Phosphorus	31-2	1788.01	2016.23	1858.40	1887.54	6.19	ppb
Potassium	39-2	9206.50	10175.78	9531.14	9637.80	5.12	ppb
Rhodium	103-1				78		%
Rhodium	103-2				86		%
Scandium	45-1				93		%
Scandium	45-2				97		%
Selenium	82-1	-0.53	-0.52	-1.32	-0.79		ppb
Selenium	77-2	50.03	47.08	47.36	48.16	3.38	ppb
Selenium	78-2	8.95	12.00	11.27	10.74	14.84	ppb
Silicon	28-1	754.35	739.87	1372.41	955.54	37.79	ppb
Silver	107-1	0.50	0.50	1.00	0.67	43.49	ppb
Silver	109-1	0.39	0.40	0.79	0.52	43.43	ppb
Sodium	23-2	126.97	142.25	130.99	133.40	5.94	ppb
Strontium	86-1	60.36	59.21	115.72	78.43	41.18	ppb
Strontium	88-1	62.46	60.00	116.53	79.66	40.11	ppb
Sulfur	34-1	-368.59	-471.28	2946.99	702.37	276.86	ppb
Terbium	159-1				85		%
Terbium	159-2				91		%
Thallium	203-1	0.39	0.38	0.79	0.52	44.43	ppb
Thallium	205-1	0.41	0.38	0.82	0.54	46.45	ppb
Tin	118-1	2.66	2.59	5.40	3.55	45.16	ppb
Titanium	47-1	1005.63	990.61	1817.05	1271.09	37.20	ppb
Uranium	238-1	1.24	1.18	2.53	1.65	46.21	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-15	Instrumnet Name :	P8
Client Sample ID :	MYD5M2	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:07:52	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	350.33	381.47	366.65	366.15	4.25	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				90		%
Yttrium	89-2				96		%
Zinc	66-2	297.16	329.20	308.95	311.77	5.20	ppb
Zirconium	90-1	13.62	13.19	25.74	17.52	40.67	ppb
Zirconium	91-1	13.79	13.39	26.01	17.73	40.46	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-16	Instrumnet Name :	P8
Client Sample ID :	MYD5M3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:10:56	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50561.30	50341.37	50143.77	50348.81	0.41	ppb
Antimony	121-1	3.18	3.17	3.23	3.19	1.00	ppb
Arsenic	75-2	265.09	269.81	273.05	269.32	1.49	ppb
Barium	135-1	554.22	556.39	542.88	551.16	1.32	ppb
Barium	137-1	541.19	554.29	541.74	545.74	1.36	ppb
Beryllium	9-1	1.68	1.66	1.66	1.66	0.70	ppb
Bismuth	209-1				93		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	3.92	3.89	3.86	3.89	0.82	ppb
Cadmium	106-1	6.61	6.57	7.09	6.76	4.27	ppb
Cadmium	111-1	2.20	2.18	2.22	2.20	0.75	ppb
Calcium	43-1	6949.96	7159.58	6997.41	7035.65	1.56	ppb
Calcium	44-1	7270.95	7302.65	7191.98	7255.19	0.79	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	147.38	147.79	149.25	148.14	0.66	ppb
Cobalt	59-2	81.45	81.41	82.67	81.84	0.87	ppb
Copper	63-2	313.97	316.06	317.71	315.91	0.59	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				97		%
Indium	115-1				98		%
Indium	115-2				94		%
Iron	54-2	218477.31	217324.92	221019.86	218940.70	0.86	ppb
Iron	56-2	216918.00	215404.16	217059.33	216460.50	0.42	ppb
Iron	57-2	218419.21	215468.86	220074.49	217987.52	1.07	ppb
Krypton	83-1						cps
Lead	206-1	104.69	104.09	103.74	104.18	0.46	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-16	Instrumnet Name :	P8
Client Sample ID :	MYD5M3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:10:56	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	108.28	102.81	103.84	104.98	2.77	ppb
Lead	208-1	107.10	102.71	103.89	104.57	2.17	ppb
Lithium	6-1				97		%
Magnesium	24-2	28451.64	28519.50	28001.89	28324.35	0.99	ppb
Manganese	55-2	7509.01	7525.08	7560.98	7531.69	0.35	ppb
Molybdenum	94-1	23.72	23.95	23.75	23.81	0.52	ppb
Molybdenum	95-1	2.23	2.20	2.23	2.22	0.89	ppb
Molybdenum	96-1	4.89	4.99	4.95	4.94	1.04	ppb
Molybdenum	97-1	2.09	2.19	2.19	2.16	2.49	ppb
Molybdenum	98-1	2.17	2.17	2.12	2.15	1.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	112.61	113.01	114.63	113.42	0.95	ppb
Phosphorus	31-2	1880.98	1780.88	1803.78	1821.88	2.88	ppb
Potassium	39-2	9923.04	10014.14	9845.27	9927.48	0.85	ppb
Rhodium	103-1				93		%
Rhodium	103-2				91		%
Scandium	45-1				107		%
Scandium	45-2				102		%
Selenium	82-1	-0.92	-0.86	-0.81	-0.86		ppb
Selenium	77-2	46.74	41.73	44.28	44.25	5.66	ppb
Selenium	78-2	10.77	10.32	10.91	10.67	2.86	ppb
Silicon	28-1	741.90	755.99	737.07	744.99	1.32	ppb
Silver	107-1	0.66	0.63	0.65	0.65	2.55	ppb
Silver	109-1	0.54	0.54	0.55	0.54	0.84	ppb
Sodium	23-2	115.46	117.40	118.99	117.28	1.51	ppb
Strontium	86-1	62.89	63.26	62.23	62.80	0.83	ppb
Strontium	88-1	65.35	65.09	64.54	64.99	0.64	ppb
Sulfur	34-1	-301.68	-260.86	-363.57	-308.70		ppb
Terbium	159-1				100		%
Terbium	159-2				96		%
Thallium	203-1	0.44	0.43	0.43	0.43	0.90	ppb
Thallium	205-1	0.45	0.44	0.45	0.44	0.44	ppb
Tin	118-1	2.84	2.82	2.86	2.84	0.72	ppb
Titanium	47-1	982.33	981.68	976.59	980.20	0.32	ppb
Uranium	238-1	1.31	1.29	1.29	1.30	0.80	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-16	Instrumnet Name :	P8
Client Sample ID :	MYD5M3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:10:56	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	359.28	359.95	362.08	360.44	0.41	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				102		%
Zinc	66-2	336.77	335.46	339.32	337.18	0.58	ppb
Zirconium	90-1	12.55	12.58	12.49	12.54	0.36	ppb
Zirconium	91-1	12.77	12.77	12.72	12.75	0.25	ppb

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-17	Instrumnet Name :	P8
Client Sample ID :	MYD5M4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:13:59	DataFile Name :	043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	55976.05	56836.76	56399.21	56404.01	0.76	ppb
Antimony	121-1	2.52	2.49	2.47	2.49	1.01	ppb
Arsenic	75-2	209.17	216.73	213.48	213.13	1.78	ppb
Barium	135-1	752.35	743.23	734.85	743.48	1.18	ppb
Barium	137-1	754.81	741.66	734.47	743.65	1.39	ppb
Beryllium	9-1	1.87	1.87	1.88	1.88	0.34	ppb
Bismuth	209-1				91		%
Bismuth	209-2				89		%
Bromine	81-1						cps
Cadmium	108-1	3.69	3.39	3.54	3.54	4.26	ppb
Cadmium	106-1	7.61	6.30	6.37	6.76	10.89	ppb
Cadmium	111-1	1.29	1.22	1.20	1.24	3.92	ppb
Calcium	43-1	9350.84	9188.53	8963.70	9167.69	2.12	ppb
Calcium	44-1	9717.43	9511.66	9160.84	9463.31	2.97	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	167.48	165.86	164.42	165.92	0.93	ppb
Cobalt	59-2	105.44	103.99	103.83	104.42	0.85	ppb
Copper	63-2	225.45	225.20	225.95	225.53	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				99		%
Holmium	165-2				97		%
Indium	115-1				96		%
Indium	115-2				94		%
Iron	54-2	248116.85	249488.51	248180.99	248595.45	0.31	ppb
Iron	56-2	247471.54	254269.23	252124.07	251288.28	1.38	ppb
Iron	57-2	251160.46	252221.82	252323.05	251901.78	0.26	ppb
Krypton	83-1						cps
Lead	206-1	69.05	69.98	67.13	68.72	2.12	ppb

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-17	Instrumnet Name :	P8
Client Sample ID :	MYD5M4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:13:59	DataFile Name :	043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	68.60	69.75	69.44	69.26	0.86	ppb
Lead	208-1	69.46	70.29	69.66	69.80	0.62	ppb
Lithium	6-1				95		%
Magnesium	24-2	31499.66	31648.73	31677.92	31608.77	0.30	ppb
Manganese	55-2	9972.13	9961.62	10001.29	9978.35	0.21	ppb
Molybdenum	94-1	27.25	26.92	27.54	27.24	1.15	ppb
Molybdenum	95-1	2.49	2.41	2.51	2.47	2.22	ppb
Molybdenum	96-1	5.62	5.57	5.74	5.64	1.49	ppb
Molybdenum	97-1	2.47	2.41	2.45	2.44	1.10	ppb
Molybdenum	98-1	2.45	2.38	2.44	2.42	1.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	122.14	121.81	122.61	122.19	0.33	ppb
Phosphorus	31-2	1722.27	1749.22	1708.69	1726.73	1.19	ppb
Potassium	39-2	8336.97	8505.97	8445.28	8429.41	1.02	ppb
Rhodium	103-1				91		%
Rhodium	103-2				90		%
Scandium	45-1				106		%
Scandium	45-2				101		%
Selenium	82-1	-1.06	-1.45	-0.71	-1.07		ppb
Selenium	77-2	56.03	49.64	54.90	53.52	6.37	ppb
Selenium	78-2	11.64	11.92	12.20	11.92	2.33	ppb
Silicon	28-1	974.28	965.75	929.00	956.34	2.52	ppb
Silver	107-1	0.38	0.37	0.37	0.37	2.07	ppb
Silver	109-1	0.18	0.18	0.18	0.18	1.57	ppb
Sodium	23-2	136.95	137.79	139.02	137.92	0.76	ppb
Strontium	86-1	92.15	90.31	93.12	91.86	1.55	ppb
Strontium	88-1	95.52	93.67	94.50	94.56	0.98	ppb
Sulfur	34-1	-200.42	-356.25	-468.85	-341.84		ppb
Terbium	159-1				98		%
Terbium	159-2				97		%
Thallium	203-1	0.47	0.48	0.46	0.47	1.58	ppb
Thallium	205-1	0.49	0.49	0.48	0.49	1.31	ppb
Tin	118-1	2.90	2.85	2.85	2.87	0.96	ppb
Titanium	47-1	1119.48	1119.15	1080.79	1106.47	2.01	ppb
Uranium	238-1	1.62	1.58	1.61	1.60	1.08	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-17	Instrumnet Name :	P8
Client Sample ID :	MYD5M4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:13:59	DataFile Name :	043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	372.68	371.53	368.99	371.07	0.51	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				101		%
Zinc	66-2	320.50	324.00	325.78	323.43	0.83	ppb
Zirconium	90-1	14.40	14.27	14.44	14.37	0.64	ppb
Zirconium	91-1	14.55	14.23	14.72	14.50	1.70	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-18	Instrumnet Name :	P8
Client Sample ID :	MYD5M5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:17:04	DataFile Name :	044AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	40917.11	42317.73	41721.59	41652.14	1.69	ppb
Antimony	121-1	3.19	3.27	3.27	3.24	1.54	ppb
Arsenic	75-2	213.49	214.99	213.95	214.14	0.36	ppb
Barium	135-1	401.64	404.54	400.03	402.07	0.57	ppb
Barium	137-1	396.52	404.23	399.42	400.05	0.97	ppb
Beryllium	9-1	1.30	1.32	1.32	1.31	0.71	ppb
Bismuth	209-1				93		%
Bismuth	209-2				89		%
Bromine	81-1						cps
Cadmium	108-1	4.07	4.16	4.28	4.17	2.50	ppb
Cadmium	106-1	6.97	5.61	5.90	6.16	11.60	ppb
Cadmium	111-1	2.66	2.57	2.64	2.62	1.77	ppb
Calcium	43-1	4652.54	4710.14	4727.21	4696.63	0.83	ppb
Calcium	44-1	4878.86	5010.31	4897.55	4928.90	1.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	131.44	133.61	134.90	133.32	1.31	ppb
Cobalt	59-2	71.99	73.92	74.73	73.55	1.91	ppb
Copper	63-2	325.53	334.83	332.46	330.94	1.46	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				95		%
Indium	115-1				97		%
Indium	115-2				92		%
Iron	54-2	200533.88	201234.61	203703.90	201824.13	0.83	ppb
Iron	56-2	200823.50	202222.66	202906.27	201984.15	0.53	ppb
Iron	57-2	202113.10	205495.35	206637.89	204748.78	1.15	ppb
Krypton	83-1						cps
Lead	206-1	128.04	127.53	127.68	127.75	0.21	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-18	Instrumnet Name :	P8
Client Sample ID :	MYD5M5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:17:04	DataFile Name :	044AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	127.18	128.72	130.95	128.95	1.47	ppb
Lead	208-1	125.52	125.74	127.36	126.21	0.80	ppb
Lithium	6-1				96		%
Magnesium	24-2	25650.45	26201.73	25837.64	25896.61	1.08	ppb
Manganese	55-2	5768.93	5863.31	5779.08	5803.77	0.89	ppb
Molybdenum	94-1	23.50	23.46	23.72	23.56	0.59	ppb
Molybdenum	95-1	2.06	2.01	2.10	2.06	2.05	ppb
Molybdenum	96-1	4.77	4.81	4.80	4.79	0.39	ppb
Molybdenum	97-1	2.04	1.98	2.06	2.03	1.95	ppb
Molybdenum	98-1	2.02	1.99	1.99	2.00	0.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	99.88	101.86	101.88	101.20	1.14	ppb
Phosphorus	31-2	1752.48	1807.80	1781.36	1780.55	1.55	ppb
Potassium	39-2	9776.37	9939.11	9802.54	9839.34	0.89	ppb
Rhodium	103-1				92		%
Rhodium	103-2				89		%
Scandium	45-1				104		%
Scandium	45-2				97		%
Selenium	82-1	-1.33	-1.84	-1.68	-1.62		ppb
Selenium	77-2	44.92	41.41	39.63	41.98	6.41	ppb
Selenium	78-2	8.88	8.73	9.21	8.94	2.79	ppb
Silicon	28-1	1043.83	1038.38	1008.93	1030.38	1.82	ppb
Silver	107-1	0.73	0.71	0.71	0.72	1.18	ppb
Silver	109-1	0.65	0.65	0.66	0.65	1.11	ppb
Sodium	23-2	114.73	115.17	115.42	115.11	0.30	ppb
Strontium	86-1	44.03	43.89	44.39	44.10	0.58	ppb
Strontium	88-1	46.34	44.95	45.54	45.61	1.52	ppb
Sulfur	34-1	-245.49	-257.32	-354.76	-285.86		ppb
Terbium	159-1				99		%
Terbium	159-2				95		%
Thallium	203-1	0.36	0.37	0.38	0.37	1.76	ppb
Thallium	205-1	0.37	0.38	0.38	0.38	0.70	ppb
Tin	118-1	2.59	2.59	2.57	2.58	0.58	ppb
Titanium	47-1	1064.53	1080.38	1074.47	1073.12	0.75	ppb
Uranium	238-1	1.11	1.11	1.15	1.12	1.82	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-18	Instrumnet Name :	P8
Client Sample ID :	MYD5M5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:17:04	DataFile Name :	044AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	309.82	311.31	312.53	311.22	0.44	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				98		%
Zinc	66-2	360.29	370.02	365.31	365.21	1.33	ppb
Zirconium	90-1	12.69	12.48	12.71	12.63	1.00	ppb
Zirconium	91-1	12.62	12.56	12.66	12.61	0.40	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-19	Instrumnet Name :	P8
Client Sample ID :	MYD5M6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:20:07	DataFile Name :	045AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	37878.36	38284.47	39163.65	38442.16	1.71	ppb
Antimony	121-1	3.24	3.20	3.25	3.23	0.90	ppb
Arsenic	75-2	187.10	190.43	192.18	189.90	1.36	ppb
Barium	135-1	757.90	754.45	765.64	759.33	0.75	ppb
Barium	137-1	747.48	749.55	766.76	754.60	1.40	ppb
Beryllium	9-1	1.39	1.35	1.34	1.36	2.08	ppb
Bismuth	209-1				92		%
Bismuth	209-2				88		%
Bromine	81-1						cps
Cadmium	108-1	2.87	2.93	2.66	2.82	5.00	ppb
Cadmium	106-1	4.93	3.86	4.22	4.34	12.49	ppb
Cadmium	111-1	1.52	1.41	1.47	1.47	3.84	ppb
Calcium	43-1	4866.79	4953.61	5042.43	4954.28	1.77	ppb
Calcium	44-1	5117.30	5208.86	5215.99	5180.72	1.06	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	120.99	120.87	124.44	122.10	1.66	ppb
Cobalt	59-2	81.30	81.85	84.25	82.47	1.90	ppb
Copper	63-2	233.96	233.94	240.31	236.07	1.56	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				94		%
Indium	115-1				95		%
Indium	115-2				92		%
Iron	54-2	215190.38	217196.33	218721.26	217035.99	0.82	ppb
Iron	56-2	216915.89	216704.00	224353.78	219324.56	1.99	ppb
Iron	57-2	215329.55	218513.26	219594.54	217812.45	1.02	ppb
Krypton	83-1						cps
Lead	206-1	80.12	79.66	81.68	80.49	1.31	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-19	Instrumnet Name :	P8
Client Sample ID :	MYD5M6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:20:07	DataFile Name :	045AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	82.40	82.94	82.80	82.71	0.34	ppb
Lead	208-1	81.35	81.41	81.34	81.37	0.05	ppb
Lithium	6-1				93		%
Magnesium	24-2	24521.02	24546.79	25474.70	24847.50	2.19	ppb
Manganese	55-2	10228.92	10143.98	10348.24	10240.38	1.00	ppb
Molybdenum	94-1	19.16	19.47	19.82	19.48	1.71	ppb
Molybdenum	95-1	2.10	2.16	2.20	2.15	2.38	ppb
Molybdenum	96-1	4.42	4.47	4.56	4.48	1.68	ppb
Molybdenum	97-1	2.12	2.08	2.17	2.13	2.06	ppb
Molybdenum	98-1	2.00	2.04	2.10	2.05	2.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	95.90	96.06	98.66	96.88	1.60	ppb
Phosphorus	31-2	1705.70	1735.60	1734.64	1725.31	0.98	ppb
Potassium	39-2	9360.76	9432.41	9678.76	9490.64	1.76	ppb
Rhodium	103-1				91		%
Rhodium	103-2				88		%
Scandium	45-1				102		%
Scandium	45-2				95		%
Selenium	82-1	-1.33	-1.68	-2.06	-1.69		ppb
Selenium	77-2	41.46	37.04	38.19	38.90	5.89	ppb
Selenium	78-2	7.09	7.76	8.24	7.70	7.53	ppb
Silicon	28-1	910.35	941.89	948.33	933.52	2.18	ppb
Silver	107-1	0.43	0.44	0.43	0.43	1.32	ppb
Silver	109-1	0.29	0.28	0.29	0.29	1.75	ppb
Sodium	23-2	121.01	120.98	123.48	121.82	1.18	ppb
Strontium	86-1	75.73	76.91	78.15	76.93	1.58	ppb
Strontium	88-1	77.69	80.02	79.91	79.20	1.66	ppb
Sulfur	34-1	-381.73	-355.34	-298.27	-345.12		ppb
Terbium	159-1				98		%
Terbium	159-2				95		%
Thallium	203-1	0.36	0.34	0.35	0.35	2.32	ppb
Thallium	205-1	0.36	0.36	0.36	0.36	0.80	ppb
Tin	118-1	3.01	2.99	3.03	3.01	0.62	ppb
Titanium	47-1	909.56	917.58	918.94	915.36	0.55	ppb
Uranium	238-1	1.08	1.08	1.10	1.09	1.08	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-19	Instrumnet Name :	P8
Client Sample ID :	MYD5M6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:20:07	DataFile Name :	045AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	284.15	291.10	293.12	289.46	1.62	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				96		%
Zinc	66-2	330.38	331.58	334.85	332.27	0.70	ppb
Zirconium	90-1	9.96	10.26	10.48	10.23	2.59	ppb
Zirconium	91-1	10.14	10.20	10.44	10.26	1.51	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-20	Instrumnet Name :	P8
Client Sample ID :	MYD5M7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:23:12	DataFile Name :	046AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	42594.83	41997.76	42221.88	42271.49	0.71	ppb
Antimony	121-1	2.81	2.91	2.85	2.85	1.74	ppb
Arsenic	75-2	151.05	155.72	155.38	154.05	1.69	ppb
Barium	135-1	605.08	604.85	594.99	601.64	0.96	ppb
Barium	137-1	592.18	609.43	601.70	601.10	1.44	ppb
Beryllium	9-1	1.51	1.53	1.48	1.50	1.79	ppb
Bismuth	209-1				93		%
Bismuth	209-2				89		%
Bromine	81-1						cps
Cadmium	108-1	3.08	3.23	3.20	3.17	2.54	ppb
Cadmium	106-1	5.14	6.26	5.59	5.66	9.93	ppb
Cadmium	111-1	1.34	1.52	1.45	1.43	6.27	ppb
Calcium	43-1	5037.92	5037.74	5098.35	5058.01	0.69	ppb
Calcium	44-1	5279.37	5240.92	5233.93	5251.40	0.47	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	112.93	112.90	111.99	112.61	0.47	ppb
Cobalt	59-2	77.78	78.80	77.51	78.03	0.88	ppb
Copper	63-2	240.78	240.88	238.97	240.21	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				100		%
Holmium	165-2				96		%
Indium	115-1				96		%
Indium	115-2				93		%
Iron	54-2	231078.22	233845.68	228421.04	231114.98	1.17	ppb
Iron	56-2	231756.58	233365.12	224612.91	229911.54	2.03	ppb
Iron	57-2	229416.19	232618.56	230896.66	230977.14	0.69	ppb
Krypton	83-1						cps
Lead	206-1	76.39	76.11	76.00	76.17	0.26	ppb

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-20	Instrumnet Name :	P8
Client Sample ID :	MYD5M7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:23:12	DataFile Name :	046AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	77.09	78.00	77.46	77.52	0.59	ppb
Lead	208-1	77.09	77.67	77.11	77.29	0.42	ppb
Lithium	6-1				92		%
Magnesium	24-2	21479.97	21429.13	21215.23	21374.78	0.66	ppb
Manganese	55-2	9262.00	9144.48	8979.22	9128.57	1.56	ppb
Molybdenum	94-1	23.58	23.68	24.29	23.85	1.60	ppb
Molybdenum	95-1	2.22	2.23	2.25	2.23	0.72	ppb
Molybdenum	96-1	5.04	5.02	5.08	5.05	0.61	ppb
Molybdenum	97-1	2.18	2.20	2.27	2.22	2.15	ppb
Molybdenum	98-1	2.16	2.12	2.19	2.16	1.53	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	96.00	96.71	94.74	95.82	1.04	ppb
Phosphorus	31-2	1524.43	1580.84	1545.73	1550.33	1.84	ppb
Potassium	39-2	8509.03	8540.03	8285.54	8444.87	1.64	ppb
Rhodium	103-1				91		%
Rhodium	103-2				89		%
Scandium	45-1				103		%
Scandium	45-2				96		%
Selenium	82-1	-1.12	-1.28	-1.59	-1.33		ppb
Selenium	77-2	41.14	42.56	48.00	43.90	8.25	ppb
Selenium	78-2	7.98	9.58	8.73	8.76	9.15	ppb
Silicon	28-1	932.92	924.06	943.06	933.34	1.02	ppb
Silver	107-1	0.44	0.44	0.43	0.44	0.53	ppb
Silver	109-1	0.32	0.34	0.33	0.33	3.18	ppb
Sodium	23-2	108.28	108.02	106.36	107.55	0.97	ppb
Strontium	86-1	57.82	57.86	58.92	58.20	1.07	ppb
Strontium	88-1	58.89	58.71	60.42	59.34	1.59	ppb
Sulfur	34-1	-355.38	-345.70	-335.52	-345.54		ppb
Terbium	159-1				99		%
Terbium	159-2				97		%
Thallium	203-1	0.38	0.42	0.41	0.40	4.27	ppb
Thallium	205-1	0.41	0.41	0.41	0.41	0.59	ppb
Tin	118-1	2.45	2.47	2.53	2.48	1.66	ppb
Titanium	47-1	953.13	973.45	955.92	960.83	1.15	ppb
Uranium	238-1	1.25	1.28	1.27	1.27	1.00	ppb

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-20	Instrumnet Name :	P8
Client Sample ID :	MYD5M7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:23:12	DataFile Name :	046AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	257.66	264.49	260.22	260.79	1.32	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				97		%
Zinc	66-2	285.24	284.70	282.54	284.16	0.50	ppb
Zirconium	90-1	12.37	12.55	12.70	12.54	1.32	ppb
Zirconium	91-1	12.50	12.67	12.73	12.64	0.93	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV008	Instrumnet Name :	P8
Client Sample ID :	CCV008	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:26:15	DataFile Name :	047CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50837.31	58170.66	52397.64	53801.87	7.18	ppb
Antimony	121-1	489.06	503.81	490.13	494.33	1.66	ppb
Arsenic	75-2	495.55	577.65	502.23	525.15	8.68	ppb
Barium	135-1	2508.31	2596.38	2494.48	2533.06	2.18	ppb
Barium	137-1	2528.25	2578.73	2533.89	2546.96	1.09	ppb
Beryllium	9-1	484.22	495.45	497.11	492.26	1.42	ppb
Bismuth	209-1				79		%
Bismuth	209-2				73		%
Bromine	81-1						cps
Cadmium	108-1	494.96	502.78	498.93	498.89	0.78	ppb
Cadmium	106-1	496.42	512.12	501.85	503.47	1.58	ppb
Cadmium	111-1	491.12	508.82	490.18	496.71	2.11	ppb
Calcium	43-1	250380.04	256459.27	257123.97	254654.43	1.46	ppb
Calcium	44-1	250502.41	258615.73	253995.66	254371.27	1.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	501.24	581.37	522.01	534.87	7.77	ppb
Cobalt	59-2	498.48	569.53	494.92	520.98	8.08	ppb
Copper	63-2	4841.13	5559.07	4882.13	5094.11	7.91	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				91		%
Holmium	165-2				85		%
Indium	115-1				85		%
Indium	115-2				81		%
Iron	54-2	130210.22	150584.29	134161.31	138318.61	7.81	ppb
Iron	56-2	129536.22	150006.83	132454.35	137332.47	8.06	ppb
Iron	57-2	129944.70	152234.00	132205.01	138127.90	8.88	ppb
Krypton	83-1						cps
Lead	206-1	2576.84	2543.04	2559.03	2559.64	0.66	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV008	Instrumnet Name :	P8
Client Sample ID :	CCV008	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:26:15	DataFile Name :	047CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2544.44	2529.66	2538.26	2537.45	0.29	ppb
Lead	208-1	2567.11	2554.99	2561.32	2561.14	0.24	ppb
Lithium	6-1				83		%
Magnesium	24-2	251742.16	299386.07	259135.55	270087.92	9.49	ppb
Manganese	55-2	5105.23	5863.49	5273.25	5413.99	7.36	ppb
Molybdenum	94-1	5101.67	5033.48	4986.42	5040.52	1.15	ppb
Molybdenum	95-1	5157.01	5007.18	5063.20	5075.80	1.49	ppb
Molybdenum	96-1	5051.79	5105.65	4993.31	5050.25	1.11	ppb
Molybdenum	97-1	5070.44	5110.19	4994.93	5058.52	1.16	ppb
Molybdenum	98-1	5145.85	5093.19	5046.52	5095.19	0.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	486.63	555.89	499.18	513.90	7.18	ppb
Phosphorus	31-2	9911.27	11334.71	10196.76	10480.92	7.19	ppb
Potassium	39-2	125049.63	140710.55	127896.35	131218.84	6.36	ppb
Rhodium	103-1				77		%
Rhodium	103-2				72		%
Scandium	45-1				89		%
Scandium	45-2				83		%
Selenium	82-1	503.59	507.09	494.44	501.71	1.30	ppb
Selenium	77-2	519.52	585.50	500.51	535.18	8.34	ppb
Selenium	78-2	485.11	581.52	497.85	521.49	10.04	ppb
Silicon	28-1	508.57	523.99	521.43	518.00	1.60	ppb
Silver	107-1	468.27	474.41	459.81	467.50	1.57	ppb
Silver	109-1	466.89	472.48	470.08	469.82	0.60	ppb
Sodium	23-2	256972.22	294583.29	257214.56	269590.02	8.03	ppb
Strontium	86-1	12728.43	12768.40	12587.16	12694.66	0.75	ppb
Strontium	88-1	12632.97	12467.02	12698.01	12599.33	0.95	ppb
Sulfur	34-1	10276.25	10801.64	10677.70	10585.20	2.59	ppb
Terbium	159-1				90		%
Terbium	159-2				85		%
Thallium	203-1	520.75	510.16	513.32	514.74	1.06	ppb
Thallium	205-1	520.82	508.95	518.50	516.09	1.22	ppb
Tin	118-1	491.15	512.94	498.01	500.70	2.23	ppb
Titanium	47-1	5012.32	5133.51	5074.03	5073.29	1.19	ppb
Uranium	238-1	530.70	532.23	528.89	530.61	0.32	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV008	Instrumnet Name :	P8
Client Sample ID :	CCV008	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:26:15	DataFile Name :	047CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	510.54	589.01	519.65	539.73	7.95	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				89		%
Yttrium	89-2				86		%
Zinc	66-2	4945.00	5662.87	5051.12	5219.66	7.42	ppb
Zirconium	90-1	510.56	511.23	504.82	508.87	0.69	ppb
Zirconium	91-1	515.45	508.66	502.95	509.02	1.23	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB008	Instrumnet Name :	P8
Client Sample ID :	CCB008	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:29:08	DataFile Name :	048CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.66	0.12	0.14	0.31	99.42	ppb
Antimony	121-1	0.14	0.20	0.31	0.22	38.40	ppb
Arsenic	75-2	0.03	0.04	0.04	0.04	16.41	ppb
Barium	135-1	0.08	0.05	0.04	0.06	36.04	ppb
Barium	137-1	0.08	0.07	0.05	0.07	21.48	ppb
Beryllium	9-1	0.09	0.07	0.06	0.07	16.55	ppb
Bismuth	209-1				101		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	0.03	0.05	0.02	0.03	53.31	ppb
Cadmium	106-1	-2.88	-2.48	-1.85	-2.40		ppb
Cadmium	111-1	-0.22	-0.19	-0.13	-0.18		ppb
Calcium	43-1	4.65	6.45	2.80	4.63	39.38	ppb
Calcium	44-1	5.26	1.80	1.51	2.86	73.00	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	0.01	0.00	0.00	469.10	ppb
Cobalt	59-2	0.01	0.01	0.00	0.01	48.98	ppb
Copper	63-2	-0.14	-0.16	-0.17	-0.16		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				101		%
Holmium	165-2				99		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	54-2	4.56	3.78	3.47	3.94	14.37	ppb
Iron	56-2	4.42	3.69	3.18	3.76	16.59	ppb
Iron	57-2	4.39	4.02	2.94	3.78	19.91	ppb
Krypton	83-1						cps
Lead	206-1	0.14	0.14	0.10	0.13	19.95	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB008	Instrumnet Name :	P8
Client Sample ID :	CCB008	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:29:08	DataFile Name :	048CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.14	0.14	0.10	0.13	18.32	ppb
Lead	208-1	0.14	0.13	0.10	0.13	16.31	ppb
Lithium	6-1				90		%
Magnesium	24-2	3.58	3.14	2.19	2.97	23.89	ppb
Manganese	55-2	0.50	0.46	0.43	0.47	7.40	ppb
Molybdenum	94-1	0.27	0.26	0.28	0.27	3.13	ppb
Molybdenum	95-1	0.21	0.22	0.21	0.21	2.23	ppb
Molybdenum	96-1	0.21	0.20	0.25	0.22	12.65	ppb
Molybdenum	97-1	0.25	0.18	0.20	0.21	17.26	ppb
Molybdenum	98-1	0.23	0.19	0.21	0.21	9.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	-0.02	-0.03	-0.02		ppb
Phosphorus	31-2	-17.26	-11.09	-18.58	-15.64		ppb
Potassium	39-2	4.75	3.18	2.72	3.55	30.10	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				96		%
Scandium	45-2				91		%
Selenium	82-1	-0.08	-0.03	0.09	-0.01		ppb
Selenium	77-2	-0.09	0.19	-0.09	0.00	6687.07	ppb
Selenium	78-2	0.19	-0.06	0.28	0.13	133.64	ppb
Silicon	28-1	-0.19	-0.44	-0.47	-0.37		ppb
Silver	107-1	0.03	0.02	0.01	0.02	31.11	ppb
Silver	109-1	0.02	0.02	0.02	0.02	5.26	ppb
Sodium	23-2	23.16	21.70	20.15	21.67	6.94	ppb
Strontium	86-1	0.35	0.28	0.18	0.27	30.35	ppb
Strontium	88-1	0.34	0.28	0.19	0.27	29.00	ppb
Sulfur	34-1	-191.54	-192.04	-174.77	-186.12		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.07	0.07	0.05	0.07	16.50	ppb
Thallium	205-1	0.07	0.07	0.06	0.07	9.71	ppb
Tin	118-1	0.03	0.03	0.03	0.03	9.31	ppb
Titanium	47-1	0.08	0.08	0.02	0.06	53.92	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	23.23	ppb

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB008	Instrumnet Name :	P8
Client Sample ID :	CCB008	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:29:08	DataFile Name :	048CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.01	0.01	0.01	0.01	11.17	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	-0.14	-0.17	0.07	-0.08		ppb
Zirconium	90-1	0.06	0.06	0.06	0.06	3.29	ppb
Zirconium	91-1	0.06	0.06	0.05	0.06	4.91	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-21	Instrumnet Name :	P8
Client Sample ID :	MYD5M8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:32:25	DataFile Name :	049AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	56135.07	55368.37	54839.56	55447.67	1.17	ppb
Antimony	121-1	2.66	2.66	2.72	2.68	1.33	ppb
Arsenic	75-2	284.96	287.16	283.69	285.27	0.62	ppb
Barium	135-1	742.30	740.03	744.34	742.22	0.29	ppb
Barium	137-1	745.50	719.15	750.00	738.22	2.26	ppb
Beryllium	9-1	1.82	1.89	1.81	1.84	2.38	ppb
Bismuth	209-1				93		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	3.89	4.05	3.88	3.94	2.43	ppb
Cadmium	106-1	6.82	5.77	6.71	6.43	9.02	ppb
Cadmium	111-1	2.02	1.86	2.07	1.98	5.62	ppb
Calcium	43-1	7261.69	7130.94	7343.27	7245.30	1.48	ppb
Calcium	44-1	7570.67	7500.35	7569.78	7546.93	0.53	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	148.60	149.13	148.56	148.76	0.21	ppb
Cobalt	59-2	101.83	100.58	100.56	100.99	0.72	ppb
Copper	63-2	325.79	324.55	324.50	324.95	0.23	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				98		%
Indium	115-1				95		%
Indium	115-2				94		%
Iron	54-2	214287.38	216158.19	212955.65	214467.08	0.75	ppb
Iron	56-2	215032.77	215218.36	214746.41	214999.18	0.11	ppb
Iron	57-2	215831.47	216584.03	212425.75	214947.08	1.03	ppb
Krypton	83-1						cps
Lead	206-1	91.59	92.52	93.20	92.44	0.87	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-21	Instrumnet Name :	P8
Client Sample ID :	MYD5M8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:32:25	DataFile Name :	049AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	92.63	95.35	94.16	94.04	1.45	ppb
Lead	208-1	92.21	93.69	92.99	92.96	0.80	ppb
Lithium	6-1				93		%
Magnesium	24-2	30172.20	29755.42	29436.54	29788.05	1.24	ppb
Manganese	55-2	9292.15	9311.19	9202.00	9268.45	0.63	ppb
Molybdenum	94-1	23.18	23.20	23.81	23.40	1.52	ppb
Molybdenum	95-1	2.50	2.49	2.57	2.52	1.67	ppb
Molybdenum	96-1	5.10	5.08	5.26	5.15	1.99	ppb
Molybdenum	97-1	2.38	2.43	2.54	2.45	3.30	ppb
Molybdenum	98-1	2.43	2.40	2.46	2.43	1.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	122.03	121.26	122.43	121.91	0.49	ppb
Phosphorus	31-2	1764.82	1797.92	1758.17	1773.64	1.20	ppb
Potassium	39-2	9762.10	9733.98	9684.46	9726.85	0.40	ppb
Rhodium	103-1				91		%
Rhodium	103-2				90		%
Scandium	45-1				106		%
Scandium	45-2				101		%
Selenium	82-1	1.15	1.54	1.33	1.34	14.80	ppb
Selenium	77-2	39.70	50.13	49.55	46.46	12.62	ppb
Selenium	78-2	10.97	10.82	11.72	11.17	4.30	ppb
Silicon	28-1	993.22	954.14	1001.73	983.03	2.58	ppb
Silver	107-1	0.58	0.56	0.59	0.58	2.17	ppb
Silver	109-1	0.46	0.45	0.46	0.46	1.32	ppb
Sodium	23-2	157.75	156.69	155.55	156.66	0.70	ppb
Strontium	86-1	64.20	64.24	65.74	64.73	1.35	ppb
Strontium	88-1	66.30	66.61	67.15	66.69	0.65	ppb
Sulfur	34-1	-269.09	-402.02	-283.55	-318.22		ppb
Terbium	159-1				99		%
Terbium	159-2				97		%
Thallium	203-1	0.50	0.49	0.48	0.49	2.27	ppb
Thallium	205-1	0.51	0.50	0.48	0.50	2.89	ppb
Tin	118-1	2.64	2.56	2.63	2.61	1.60	ppb
Titanium	47-1	1034.56	1014.67	1019.57	1022.93	1.01	ppb
Uranium	238-1	1.35	1.37	1.37	1.36	0.77	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-21	Instrumnet Name :	P8
Client Sample ID :	MYD5M8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:32:25	DataFile Name :	049AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	369.31	366.09	373.24	369.54	0.97	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				101		%
Zinc	66-2	338.60	333.73	336.65	336.33	0.73	ppb
Zirconium	90-1	12.21	12.17	12.51	12.30	1.53	ppb
Zirconium	91-1	12.26	12.23	12.74	12.41	2.30	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-22	Instrumnet Name :	P8
Client Sample ID :	MYD5M9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:35:29	DataFile Name :	050AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	38074.12	38625.00	38016.66	38238.59	0.88	ppb
Antimony	121-1	4.60	4.60	4.62	4.61	0.19	ppb
Arsenic	75-2	143.98	144.50	147.18	145.22	1.18	ppb
Barium	135-1	572.43	589.14	579.81	580.46	1.44	ppb
Barium	137-1	570.66	578.39	574.75	574.60	0.67	ppb
Beryllium	9-1	1.57	1.56	1.55	1.56	0.71	ppb
Bismuth	209-1				93		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	4.41	4.41	4.51	4.45	1.28	ppb
Cadmium	106-1	6.68	6.60	6.79	6.69	1.47	ppb
Cadmium	111-1	2.05	2.04	2.02	2.04	0.67	ppb
Calcium	43-1	4215.05	4273.65	4240.28	4243.00	0.69	ppb
Calcium	44-1	4432.15	4370.01	4376.33	4392.83	0.78	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	109.99	111.86	111.23	111.03	0.86	ppb
Cobalt	59-2	75.72	76.71	75.85	76.09	0.70	ppb
Copper	63-2	324.10	321.19	324.25	323.18	0.53	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				96		%
Indium	115-1				96		%
Indium	115-2				95		%
Iron	54-2	273554.10	273714.88	274774.76	274014.58	0.24	ppb
Iron	56-2	275470.59	275490.03	274183.65	275048.09	0.27	ppb
Iron	57-2	278727.10	277038.84	278220.34	277995.43	0.31	ppb
Krypton	83-1						cps
Lead	206-1	115.54	115.30	115.33	115.39	0.11	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-22	Instrumnet Name :	P8
Client Sample ID :	MYD5M9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:35:29	DataFile Name :	050AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	120.06	118.91	115.84	118.27	1.85	ppb
Lead	208-1	116.60	116.23	115.39	116.07	0.53	ppb
Lithium	6-1				93		%
Magnesium	24-2	19900.07	19855.62	19911.11	19888.93	0.15	ppb
Manganese	55-2	9277.16	9321.30	9239.15	9279.20	0.44	ppb
Molybdenum	94-1	31.61	31.61	31.86	31.69	0.46	ppb
Molybdenum	95-1	2.61	2.60	2.65	2.62	0.85	ppb
Molybdenum	96-1	6.19	6.33	6.23	6.25	1.18	ppb
Molybdenum	97-1	2.52	2.55	2.55	2.54	0.73	ppb
Molybdenum	98-1	2.52	2.53	2.53	2.52	0.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	89.57	89.79	90.24	89.87	0.38	ppb
Phosphorus	31-2	1551.40	1579.33	1556.61	1562.45	0.95	ppb
Potassium	39-2	8804.93	9009.50	8939.90	8918.11	1.17	ppb
Rhodium	103-1				91		%
Rhodium	103-2				90		%
Scandium	45-1				101		%
Scandium	45-2				96		%
Selenium	82-1	0.78	0.86	0.99	0.88	12.13	ppb
Selenium	77-2	41.18	39.39	44.53	41.70	6.25	ppb
Selenium	78-2	7.97	9.36	8.21	8.51	8.71	ppb
Silicon	28-1	663.84	651.87	645.40	653.70	1.43	ppb
Silver	107-1	0.57	0.58	0.58	0.58	0.75	ppb
Silver	109-1	0.48	0.49	0.48	0.48	1.50	ppb
Sodium	23-2	110.48	111.05	109.75	110.43	0.59	ppb
Strontium	86-1	47.97	47.90	48.21	48.03	0.34	ppb
Strontium	88-1	49.62	49.71	49.59	49.64	0.12	ppb
Sulfur	34-1	-284.08	-246.44	-290.26	-273.60		ppb
Terbium	159-1				99		%
Terbium	159-2				97		%
Thallium	203-1	0.43	0.43	0.43	0.43	0.74	ppb
Thallium	205-1	0.44	0.44	0.45	0.44	0.99	ppb
Tin	118-1	2.43	2.46	2.45	2.45	0.58	ppb
Titanium	47-1	992.00	1000.94	980.81	991.25	1.02	ppb
Uranium	238-1	1.24	1.24	1.24	1.24	0.32	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-22	Instrumnet Name :	P8
Client Sample ID :	MYD5M9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:35:29	DataFile Name :	050AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	251.83	249.91	248.43	250.06	0.68	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				100		%
Zinc	66-2	353.58	354.24	356.23	354.68	0.39	ppb
Zirconium	90-1	17.00	16.89	16.82	16.90	0.54	ppb
Zirconium	91-1	16.93	16.83	16.88	16.88	0.28	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01	Instrumnet Name :	P8
Client Sample ID :	MYD5X1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:38:32	DataFile Name :	051AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	24966.98	24091.87	25207.33	24755.40	2.37	ppb
Antimony	121-1	1.17	1.09	1.12	1.13	3.34	ppb
Arsenic	75-2	38.23	38.77	37.85	38.28	1.21	ppb
Barium	135-1	292.15	274.49	280.40	282.35	3.18	ppb
Barium	137-1	293.28	276.37	279.69	283.11	3.16	ppb
Beryllium	9-1	1.25	1.17	1.12	1.18	5.49	ppb
Bismuth	209-1				95		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	1.87	1.58	1.93	1.79	10.36	ppb
Cadmium	106-1	2.07	2.26	2.77	2.37	15.33	ppb
Cadmium	111-1	0.82	0.87	0.88	0.86	4.24	ppb
Calcium	43-1	13790.03	13266.51	13323.18	13459.91	2.13	ppb
Calcium	44-1	13934.36	13299.49	13208.46	13480.77	2.93	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	42.65	42.77	43.26	42.89	0.76	ppb
Cobalt	59-2	24.57	24.72	25.17	24.82	1.26	ppb
Copper	63-2	74.95	75.10	76.06	75.37	0.80	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				96		%
Indium	115-1				97		%
Indium	115-2				93		%
Iron	54-2	58737.26	58326.08	58889.94	58651.09	0.50	ppb
Iron	56-2	57728.05	57909.15	58183.60	57940.27	0.40	ppb
Iron	57-2	58216.93	58688.29	58073.63	58326.28	0.55	ppb
Krypton	83-1						cps
Lead	206-1	74.69	71.00	71.85	72.51	2.66	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01	Instrumnet Name :	P8
Client Sample ID :	MYD5X1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:38:32	DataFile Name :	051AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	77.87	73.30	71.31	74.16	4.54	ppb
Lead	208-1	75.86	71.59	70.49	72.64	3.90	ppb
Lithium	6-1				92		%
Magnesium	24-2	12056.07	11891.28	11994.24	11980.53	0.69	ppb
Manganese	55-2	1263.04	1255.24	1266.23	1261.50	0.45	ppb
Molybdenum	94-1	12.47	11.68	11.79	11.98	3.58	ppb
Molybdenum	95-1	0.73	0.68	0.70	0.70	3.55	ppb
Molybdenum	96-1	2.11	1.97	2.01	2.03	3.66	ppb
Molybdenum	97-1	0.73	0.68	0.74	0.72	4.31	ppb
Molybdenum	98-1	0.73	0.68	0.69	0.70	4.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	43.00	42.84	42.81	42.88	0.23	ppb
Phosphorus	31-2	1409.94	1455.84	1490.55	1452.11	2.78	ppb
Potassium	39-2	5022.53	5188.10	5144.40	5118.35	1.68	ppb
Rhodium	103-1				92		%
Rhodium	103-2				90		%
Scandium	45-1				98		%
Scandium	45-2				91		%
Selenium	82-1	0.93	0.83	0.68	0.81	15.72	ppb
Selenium	77-2	36.23	29.45	34.50	33.40	10.55	ppb
Selenium	78-2	8.08	7.93	8.20	8.07	1.67	ppb
Silicon	28-1	1219.51	1124.41	1182.59	1175.50	4.08	ppb
Silver	107-1	0.50	0.46	0.48	0.48	3.65	ppb
Silver	109-1	0.40	0.37	0.38	0.38	3.82	ppb
Sodium	23-2	268.75	268.09	268.83	268.55	0.15	ppb
Strontium	86-1	66.16	60.54	61.93	62.88	4.65	ppb
Strontium	88-1	68.27	62.85	64.32	65.14	4.30	ppb
Sulfur	34-1	170.70	-116.11	-34.94	6.55	2256.98	ppb
Terbium	159-1				99		%
Terbium	159-2				96		%
Thallium	203-1	0.24	0.23	0.23	0.23	2.81	ppb
Thallium	205-1	0.25	0.23	0.23	0.24	4.61	ppb
Tin	118-1	4.38	4.12	4.18	4.23	3.25	ppb
Titanium	47-1	942.78	900.53	893.74	912.35	2.91	ppb
Uranium	238-1	1.05	1.02	0.99	1.02	2.82	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01	Instrumnet Name :	P8
Client Sample ID :	MYD5X1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:38:32	DataFile Name :	051AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	90.50	90.30	91.84	90.88	0.92	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				97		%
Zinc	66-2	239.82	241.16	241.89	240.96	0.43	ppb
Zirconium	90-1	6.76	6.29	6.47	6.50	3.61	ppb
Zirconium	91-1	6.78	6.34	6.53	6.55	3.38	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-02	Instrumnet Name :	P8
Client Sample ID :	MYD5X1D	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:41:43	DataFile Name :	052AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	26263.03	25610.51	28082.94	26652.16	4.81	ppb
Antimony	121-1	1.15	1.18	1.16	1.16	1.10	ppb
Arsenic	75-2	40.12	38.87	42.80	40.60	4.94	ppb
Barium	135-1	289.74	288.94	289.31	289.33	0.14	ppb
Barium	137-1	288.04	287.62	286.37	287.34	0.30	ppb
Beryllium	9-1	1.23	1.23	1.22	1.23	0.48	ppb
Bismuth	209-1				96		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	1.86	1.81	2.04	1.90	6.19	ppb
Cadmium	106-1	1.11	2.01	2.09	1.74	31.20	ppb
Cadmium	111-1	0.77	0.86	0.85	0.83	6.17	ppb
Calcium	43-1	13664.18	13987.61	13589.49	13747.10	1.54	ppb
Calcium	44-1	13966.87	14173.97	14021.90	14054.25	0.76	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	44.50	43.99	47.61	45.37	4.32	ppb
Cobalt	59-2	26.56	25.94	28.31	26.93	4.56	ppb
Copper	63-2	80.89	79.52	86.29	82.23	4.35	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				95		%
Indium	115-1				97		%
Indium	115-2				92		%
Iron	54-2	60416.19	59588.59	65033.76	61679.51	4.76	ppb
Iron	56-2	62287.12	59600.04	65068.18	62318.45	4.39	ppb
Iron	57-2	61843.46	59267.14	64632.82	61914.47	4.33	ppb
Krypton	83-1						cps
Lead	206-1	79.36	76.29	75.92	77.19	2.45	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-02	Instrumnet Name :	P8
Client Sample ID :	MYD5X1D	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:41:43	DataFile Name :	052AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	82.03	79.36	77.76	79.71	2.70	ppb
Lead	208-1	79.83	77.60	76.81	78.08	2.01	ppb
Lithium	6-1				93		%
Magnesium	24-2	12422.02	12063.26	13100.46	12528.58	4.20	ppb
Manganese	55-2	1305.10	1286.79	1400.80	1330.90	4.60	ppb
Molybdenum	94-1	12.72	12.87	12.87	12.82	0.65	ppb
Molybdenum	95-1	0.76	0.73	0.75	0.74	1.98	ppb
Molybdenum	96-1	2.16	2.17	2.17	2.17	0.09	ppb
Molybdenum	97-1	0.74	0.72	0.71	0.72	2.24	ppb
Molybdenum	98-1	0.74	0.73	0.73	0.73	0.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	44.94	43.72	47.79	45.49	4.59	ppb
Phosphorus	31-2	1569.84	1479.90	1558.26	1536.00	3.19	ppb
Potassium	39-2	5313.91	5120.22	5649.05	5361.06	4.99	ppb
Rhodium	103-1				92		%
Rhodium	103-2				90		%
Scandium	45-1				98		%
Scandium	45-2				90		%
Selenium	82-1	0.69	0.78	0.83	0.77	9.64	ppb
Selenium	77-2	36.48	29.91	37.68	34.69	12.06	ppb
Selenium	78-2	7.65	7.67	9.82	8.38	14.88	ppb
Silicon	28-1	1195.38	1213.23	1204.62	1204.41	0.74	ppb
Silver	107-1	0.48	0.49	0.51	0.49	3.36	ppb
Silver	109-1	0.38	0.38	0.38	0.38	0.22	ppb
Sodium	23-2	284.97	280.14	303.86	289.66	4.33	ppb
Strontium	86-1	65.81	66.20	65.61	65.87	0.46	ppb
Strontium	88-1	66.95	67.30	67.21	67.15	0.27	ppb
Sulfur	34-1	-57.88	-44.65	-100.15	-67.56		ppb
Terbium	159-1				100		%
Terbium	159-2				96		%
Thallium	203-1	0.24	0.24	0.23	0.23	3.22	ppb
Thallium	205-1	0.24	0.24	0.24	0.24	0.93	ppb
Tin	118-1	4.70	4.81	4.86	4.79	1.71	ppb
Titanium	47-1	946.98	941.26	932.57	940.27	0.77	ppb
Uranium	238-1	1.07	1.08	1.08	1.08	0.54	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-02	Instrumnet Name :	P8
Client Sample ID :	MYD5X1D	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:41:43	DataFile Name :	052AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	96.05	94.47	102.00	97.51	4.07	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				96		%
Zinc	66-2	254.56	249.16	270.61	258.11	4.32	ppb
Zirconium	90-1	6.88	6.96	7.06	6.97	1.30	ppb
Zirconium	91-1	6.89	7.11	7.07	7.03	1.64	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD5X1L	Dilution Factor :	5
Date & Time Acquired :	2024-10-04 16:44:47	DataFile Name :	053AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4722.15	4774.11	4693.21	4729.82	0.87	ppb
Antimony	121-1	0.21	0.21	0.21	0.21	1.06	ppb
Arsenic	75-2	7.27	7.41	7.90	7.53	4.39	ppb
Barium	135-1	50.83	51.02	51.50	51.11	0.68	ppb
Barium	137-1	51.93	52.13	53.02	52.36	1.11	ppb
Beryllium	9-1	0.24	0.23	0.24	0.23	2.60	ppb
Bismuth	209-1				97		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Cadmium	108-1	0.35	0.29	0.37	0.34	12.57	ppb
Cadmium	106-1	-1.14	-1.94	-1.88	-1.66		ppb
Cadmium	111-1	0.04	-0.04	-0.03	-0.01		ppb
Calcium	43-1	2420.50	2471.10	2450.90	2447.50	1.04	ppb
Calcium	44-1	2546.97	2557.43	2513.28	2539.23	0.91	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8.21	8.28	8.28	8.26	0.47	ppb
Cobalt	59-2	4.79	4.93	4.80	4.84	1.64	ppb
Copper	63-2	14.88	14.74	14.70	14.77	0.63	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				96		%
Indium	115-1				96		%
Indium	115-2				93		%
Iron	54-2	11547.59	11403.69	11147.20	11366.16	1.78	ppb
Iron	56-2	11434.91	11420.41	11471.15	11442.16	0.23	ppb
Iron	57-2	11374.43	11299.97	11490.90	11388.43	0.85	ppb
Krypton	83-1						cps
Lead	206-1	12.70	12.93	13.14	12.92	1.71	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD5X1L	Dilution Factor :	5
Date & Time Acquired :	2024-10-04 16:44:47	DataFile Name :	053AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	13.25	13.34	13.59	13.39	1.30	ppb
Lead	208-1	12.94	13.17	13.28	13.13	1.30	ppb
Lithium	6-1				89		%
Magnesium	24-2	2351.57	2393.92	2298.83	2348.11	2.03	ppb
Manganese	55-2	236.75	237.22	234.70	236.22	0.57	ppb
Molybdenum	94-1	2.33	2.33	2.40	2.35	1.60	ppb
Molybdenum	95-1	0.13	0.13	0.15	0.14	7.16	ppb
Molybdenum	96-1	0.40	0.41	0.40	0.40	1.27	ppb
Molybdenum	97-1	0.14	0.13	0.13	0.13	2.33	ppb
Molybdenum	98-1	0.14	0.13	0.13	0.13	1.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	8.45	8.42	8.47	8.45	0.31	ppb
Phosphorus	31-2	280.61	258.52	268.41	269.18	4.11	ppb
Potassium	39-2	935.96	951.49	947.07	944.84	0.85	ppb
Rhodium	103-1				93		%
Rhodium	103-2				91		%
Scandium	45-1				94		%
Scandium	45-2				87		%
Selenium	82-1	-0.13	-0.15	-0.16	-0.15		ppb
Selenium	77-2	5.91	7.74	6.30	6.65	14.52	ppb
Selenium	78-2	1.38	1.58	0.90	1.29	27.32	ppb
Silicon	28-1	222.86	222.32	219.20	221.46	0.89	ppb
Silver	107-1	0.09	0.09	0.09	0.09	2.43	ppb
Silver	109-1	0.07	0.07	0.08	0.07	7.12	ppb
Sodium	23-2	54.67	54.70	53.85	54.41	0.89	ppb
Strontium	86-1	12.21	12.30	12.20	12.24	0.47	ppb
Strontium	88-1	12.23	12.17	12.13	12.18	0.41	ppb
Sulfur	34-1	-310.78	-289.28	-333.78	-311.28		ppb
Terbium	159-1				98		%
Terbium	159-2				97		%
Thallium	203-1	0.05	0.04	0.04	0.04	7.14	ppb
Thallium	205-1	0.05	0.05	0.04	0.05	3.93	ppb
Tin	118-1	0.95	0.81	0.84	0.87	8.64	ppb
Titanium	47-1	167.44	170.41	167.88	168.58	0.95	ppb
Uranium	238-1	0.19	0.19	0.19	0.19	1.65	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD5X1L	Dilution Factor :	5
Date & Time Acquired :	2024-10-04 16:44:47	DataFile Name :	053AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	17.68	17.51	17.18	17.46	1.46	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				93		%
Zinc	66-2	47.56	47.68	47.50	47.58	0.19	ppb
Zirconium	90-1	1.24	1.28	1.24	1.26	1.74	ppb
Zirconium	91-1	1.26	1.28	1.26	1.27	0.59	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-03	Instrumnet Name :	P8
Client Sample ID :	MYD5X1S	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:48:02	DataFile Name :	054AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	27446.02	26658.60	27215.91	27106.84	1.49	ppb
Antimony	121-1	60.59	62.52	62.46	61.86	1.77	ppb
Arsenic	75-2	63.80	61.42	63.43	62.88	2.04	ppb
Barium	135-1	1431.46	1465.05	1472.91	1456.47	1.51	ppb
Barium	137-1	1417.89	1478.77	1489.14	1461.93	2.63	ppb
Beryllium	9-1	27.00	26.68	25.90	26.53	2.13	ppb
Bismuth	209-1				95		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	23.01	24.12	24.33	23.82	2.98	ppb
Cadmium	106-1	22.17	24.00	23.02	23.06	3.96	ppb
Cadmium	111-1	29.09	30.47	29.71	29.76	2.33	ppb
Calcium	43-1	13944.62	14179.21	14282.47	14135.44	1.22	ppb
Calcium	44-1	13907.80	13956.32	13769.67	13877.93	0.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	161.63	163.14	163.73	162.83	0.67	ppb
Cobalt	59-2	339.09	338.67	336.77	338.17	0.37	ppb
Copper	63-2	230.25	234.87	231.02	232.05	1.07	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				99		%
Holmium	165-2				95		%
Indium	115-1				95		%
Indium	115-2				92		%
Iron	54-2	61975.68	63362.93	62026.24	62454.95	1.26	ppb
Iron	56-2	61525.03	61449.77	62029.12	61667.97	0.51	ppb
Iron	57-2	62256.63	62974.45	61444.69	62225.26	1.23	ppb
Krypton	83-1						cps
Lead	206-1	88.94	88.03	88.28	88.42	0.53	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-03	Instrumnet Name :	P8
Client Sample ID :	MYD5X1S	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:48:02	DataFile Name :	054AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	91.07	89.90	89.46	90.14	0.92	ppb
Lead	208-1	89.79	88.56	88.27	88.87	0.91	ppb
Lithium	6-1				91		%
Magnesium	24-2	12550.88	12244.86	12588.66	12461.47	1.51	ppb
Manganese	55-2	1596.00	1598.53	1613.16	1602.56	0.58	ppb
Molybdenum	94-1	12.64	12.83	12.86	12.78	0.95	ppb
Molybdenum	95-1	0.75	0.77	0.77	0.76	1.38	ppb
Molybdenum	96-1	2.15	2.10	2.20	2.15	2.30	ppb
Molybdenum	97-1	0.76	0.77	0.78	0.77	1.42	ppb
Molybdenum	98-1	0.74	0.74	0.75	0.74	1.06	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	342.73	342.90	342.80	342.81	0.03	ppb
Phosphorus	31-2	1555.17	1501.89	1558.65	1538.57	2.07	ppb
Potassium	39-2	5335.20	5269.94	5419.44	5341.53	1.40	ppb
Rhodium	103-1				91		%
Rhodium	103-2				89		%
Scandium	45-1				96		%
Scandium	45-2				89		%
Selenium	82-1	62.77	63.31	63.74	63.27	0.76	ppb
Selenium	77-2	102.06	91.37	97.18	96.87	5.52	ppb
Selenium	78-2	70.93	68.37	70.92	70.07	2.11	ppb
Silicon	28-1	1219.56	1255.06	1248.20	1240.94	1.52	ppb
Silver	107-1	27.81	28.54	28.38	28.24	1.37	ppb
Silver	109-1	29.25	30.17	30.04	29.82	1.66	ppb
Sodium	23-2	272.14	275.13	275.45	274.24	0.67	ppb
Strontium	86-1	65.37	66.24	66.32	65.98	0.80	ppb
Strontium	88-1	68.46	69.23	66.97	68.22	1.69	ppb
Sulfur	34-1	-117.58	-68.96	-84.39	-90.31		ppb
Terbium	159-1				100		%
Terbium	159-2				95		%
Thallium	203-1	29.08	28.81	28.98	28.96	0.48	ppb
Thallium	205-1	30.33	30.81	30.39	30.51	0.85	ppb
Tin	118-1	4.39	4.62	4.53	4.51	2.62	ppb
Titanium	47-1	938.83	938.44	933.33	936.87	0.33	ppb
Uranium	238-1	1.08	1.06	1.08	1.07	0.67	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-03	Instrumnet Name :	P8
Client Sample ID :	MYD5X1S	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:48:02	DataFile Name :	054AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	394.73	402.26	400.96	399.32	1.01	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				95		%
Zinc	66-2	550.34	553.93	553.58	552.62	0.36	ppb
Zirconium	90-1	6.86	6.96	7.01	6.94	1.07	ppb
Zirconium	91-1	6.96	6.97	7.05	7.00	0.71	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD5X1SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:51:02	DataFile Name :	055AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	29693.99	29381.34	28942.02	29339.12	1.29	ppb
Antimony	121-1	286.06	287.92	281.70	285.23	1.12	ppb
Arsenic	75-2	146.32	149.24	147.35	147.64	1.00	ppb
Barium	135-1	5738.25	5785.20	5765.80	5763.08	0.41	ppb
Barium	137-1	5809.80	5821.20	5746.15	5792.38	0.70	ppb
Beryllium	9-1	127.34	124.26	122.97	124.85	1.80	ppb
Bismuth	209-1				95		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	109.46	110.04	106.94	108.81	1.51	ppb
Cadmium	106-1	104.37	104.99	103.38	104.25	0.78	ppb
Cadmium	111-1	140.35	142.01	139.34	140.57	0.96	ppb
Calcium	43-1	13331.62	13298.00	13327.06	13318.89	0.14	ppb
Calcium	44-1	13152.95	13271.94	13318.20	13247.70	0.64	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	631.43	615.80	613.33	620.19	1.58	ppb
Cobalt	59-2	1479.92	1471.99	1486.35	1479.42	0.49	ppb
Copper	63-2	773.10	781.63	776.07	776.93	0.56	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				95		%
Indium	115-1				95		%
Indium	115-2				91		%
Iron	54-2	62286.08	60883.26	59914.96	61028.10	1.95	ppb
Iron	56-2	61776.83	59974.39	61297.81	61016.34	1.53	ppb
Iron	57-2	61177.39	61432.19	60906.97	61172.18	0.43	ppb
Krypton	83-1						cps
Lead	206-1	131.75	130.00	128.06	129.94	1.42	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD5X1SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:51:02	DataFile Name :	055AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	132.55	135.43	129.97	132.65	2.06	ppb
Lead	208-1	130.91	132.85	128.54	130.77	1.65	ppb
Lithium	6-1				89		%
Magnesium	24-2	11821.86	11537.96	11731.82	11697.21	1.24	ppb
Manganese	55-2	2668.87	2573.91	2633.35	2625.38	1.83	ppb
Molybdenum	94-1	12.15	12.36	12.36	12.29	1.00	ppb
Molybdenum	95-1	0.73	0.72	0.73	0.73	0.32	ppb
Molybdenum	96-1	2.16	2.11	2.06	2.11	2.25	ppb
Molybdenum	97-1	0.71	0.71	0.72	0.71	0.82	ppb
Molybdenum	98-1	0.76	0.75	0.77	0.76	1.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1532.59	1526.11	1506.87	1521.86	0.88	ppb
Phosphorus	31-2	1416.82	1448.14	1423.58	1429.51	1.15	ppb
Potassium	39-2	5140.38	4990.37	5064.83	5065.19	1.48	ppb
Rhodium	103-1				90		%
Rhodium	103-2				89		%
Scandium	45-1				95		%
Scandium	45-2				88		%
Selenium	82-1	309.62	311.15	316.67	312.48	1.19	ppb
Selenium	77-2	332.32	342.30	332.80	335.80	1.68	ppb
Selenium	78-2	298.68	306.23	311.12	305.34	2.05	ppb
Silicon	28-1	1189.33	1174.29	1152.67	1172.10	1.57	ppb
Silver	107-1	133.58	138.71	133.25	135.18	2.26	ppb
Silver	109-1	158.20	141.21	143.80	147.74	6.19	ppb
Sodium	23-2	258.44	257.23	257.82	257.83	0.24	ppb
Strontium	86-1	62.83	62.85	62.86	62.85	0.02	ppb
Strontium	88-1	65.26	64.15	64.48	64.63	0.88	ppb
Sulfur	34-1	-166.20	-142.36	-192.39	-166.99		ppb
Terbium	159-1				99		%
Terbium	159-2				95		%
Thallium	203-1	142.20	139.15	141.82	141.06	1.18	ppb
Thallium	205-1	145.26	142.34	140.91	142.84	1.55	ppb
Tin	118-1	4.22	4.26	4.17	4.22	1.09	ppb
Titanium	47-1	900.41	903.83	909.26	904.50	0.49	ppb
Uranium	238-1	1.02	1.02	1.02	1.02	0.21	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD5X1SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:51:02	DataFile Name :	055AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	1473.06	1461.97	1448.08	1461.04	0.86	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				94		%
Zinc	66-2	1695.37	1692.19	1737.11	1708.22	1.47	ppb
Zirconium	90-1	6.63	6.52	6.60	6.58	0.86	ppb
Zirconium	91-1	6.76	6.71	6.75	6.74	0.45	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 16:53:56	DataFile Name :	056AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6890.46	6973.32	6962.49	6942.09	0.65	ppb
Antimony	121-1	0.33	0.37	0.39	0.36	8.53	ppb
Arsenic	75-2	10.50	11.58	11.11	11.06	4.86	ppb
Barium	135-1	72.69	75.88	74.10	74.22	2.15	ppb
Barium	137-1	74.98	78.28	75.91	76.39	2.23	ppb
Beryllium	9-1	0.36	0.36	0.35	0.36	1.18	ppb
Bismuth	209-1				97		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Cadmium	108-1	0.53	0.56	0.46	0.52	9.93	ppb
Cadmium	106-1	-1.84	-0.19	-1.63	-1.22		ppb
Cadmium	111-1	0.04	0.18	0.05	0.09	86.58	ppb
Calcium	43-1	3538.36	3517.63	3533.16	3529.72	0.31	ppb
Calcium	44-1	3680.98	3659.15	3663.97	3668.03	0.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	11.83	12.03	11.94	11.93	0.84	ppb
Cobalt	59-2	6.96	7.06	6.91	6.98	1.07	ppb
Copper	63-2	21.07	21.55	21.50	21.37	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				96		%
Indium	115-1				95		%
Indium	115-2				93		%
Iron	54-2	16112.38	16516.50	16191.59	16273.49	1.32	ppb
Iron	56-2	16133.78	16183.38	16310.32	16209.16	0.56	ppb
Iron	57-2	16599.99	16643.52	16393.79	16545.77	0.81	ppb
Krypton	83-1						cps
Lead	206-1	18.50	19.08	18.85	18.81	1.55	ppb

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On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 16:53:56	DataFile Name :	056AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	19.12	19.96	19.62	19.57	2.17	ppb
Lead	208-1	18.78	19.34	18.98	19.03	1.48	ppb
Lithium	6-1				86		%
Magnesium	24-2	3259.03	3343.98	3313.09	3305.37	1.30	ppb
Manganese	55-2	336.13	340.22	336.97	337.78	0.64	ppb
Molybdenum	94-1	3.32	3.30	3.34	3.32	0.58	ppb
Molybdenum	95-1	0.20	0.20	0.20	0.20	1.86	ppb
Molybdenum	96-1	0.59	0.56	0.58	0.58	2.52	ppb
Molybdenum	97-1	0.22	0.20	0.19	0.21	6.67	ppb
Molybdenum	98-1	0.20	0.20	0.19	0.19	2.30	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	12.01	12.00	11.89	11.96	0.56	ppb
Phosphorus	31-2	376.48	414.90	397.37	396.25	4.85	ppb
Potassium	39-2	1332.14	1346.64	1347.49	1342.09	0.64	ppb
Rhodium	103-1				93		%
Rhodium	103-2				91		%
Scandium	45-1				93		%
Scandium	45-2				86		%
Selenium	82-1	-0.39	-0.53	-0.45	-0.46		ppb
Selenium	77-2	12.25	9.60	9.16	10.34	16.15	ppb
Selenium	78-2	2.41	2.39	3.05	2.62	14.43	ppb
Silicon	28-1	317.10	313.22	316.74	315.69	0.68	ppb
Silver	107-1	0.15	0.15	0.13	0.14	4.83	ppb
Silver	109-1	0.12	0.12	0.15	0.13	13.84	ppb
Sodium	23-2	73.35	72.78	73.44	73.19	0.49	ppb
Strontium	86-1	17.53	17.68	17.60	17.60	0.41	ppb
Strontium	88-1	18.53	18.57	17.90	18.33	2.07	ppb
Sulfur	34-1	-371.20	-395.00	-374.87	-380.36		ppb
Terbium	159-1				97		%
Terbium	159-2				97		%
Thallium	203-1	0.07	0.07	0.07	0.07	2.27	ppb
Thallium	205-1	0.08	0.07	0.07	0.07	7.12	ppb
Tin	118-1	1.13	1.16	1.17	1.15	1.79	ppb
Titanium	47-1	242.33	242.91	244.26	243.17	0.41	ppb
Uranium	238-1	0.27	0.28	0.27	0.27	1.83	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 16:53:56	DataFile Name :	056AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	25.13	25.10	24.98	25.07	0.32	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				92		%
Zinc	66-2	68.94	68.26	68.47	68.56	0.51	ppb
Zirconium	90-1	1.81	1.81	1.81	1.81	0.19	ppb
Zirconium	91-1	1.81	1.82	1.77	1.80	1.74	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-02DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1D	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 16:57:06	DataFile Name :	057AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7738.25	7482.95	7458.80	7560.00	2.05	ppb
Antimony	121-1	0.32	0.33	0.31	0.32	2.60	ppb
Arsenic	75-2	11.47	11.25	11.51	11.41	1.26	ppb
Barium	135-1	75.06	76.87	77.49	76.47	1.66	ppb
Barium	137-1	78.17	78.46	79.25	78.63	0.71	ppb
Beryllium	9-1	0.35	0.36	0.36	0.36	1.45	ppb
Bismuth	209-1				96		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	0.62	0.48	0.60	0.56	13.45	ppb
Cadmium	106-1	-1.68	-1.60	-1.60	-1.63		ppb
Cadmium	111-1	0.03	0.06	0.06	0.05	32.99	ppb
Calcium	43-1	3769.03	3755.06	3832.85	3785.65	1.10	ppb
Calcium	44-1	3934.76	3863.99	3893.78	3897.51	0.91	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12.91	12.49	12.66	12.68	1.66	ppb
Cobalt	59-2	7.68	7.46	7.55	7.57	1.50	ppb
Copper	63-2	23.64	23.02	23.37	23.34	1.33	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				94		%
Indium	115-1				96		%
Indium	115-2				90		%
Iron	54-2	17824.14	16989.33	17175.29	17329.59	2.53	ppb
Iron	56-2	17898.38	17290.66	17371.98	17520.34	1.88	ppb
Iron	57-2	18094.46	17481.05	17534.29	17703.27	1.92	ppb
Krypton	83-1						cps
Lead	206-1	20.05	20.50	20.41	20.32	1.16	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-02DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1D	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 16:57:06	DataFile Name :	057AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	20.85	21.03	21.23	21.04	0.90	ppb
Lead	208-1	20.49	20.72	20.78	20.66	0.74	ppb
Lithium	6-1				87		%
Magnesium	24-2	3672.47	3505.99	3523.50	3567.32	2.56	ppb
Manganese	55-2	363.01	349.71	353.05	355.26	1.95	ppb
Molybdenum	94-1	3.54	3.58	3.62	3.58	1.16	ppb
Molybdenum	95-1	0.20	0.21	0.21	0.21	1.59	ppb
Molybdenum	96-1	0.62	0.62	0.61	0.62	0.47	ppb
Molybdenum	97-1	0.19	0.19	0.21	0.20	4.03	ppb
Molybdenum	98-1	0.21	0.20	0.21	0.21	2.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	13.24	12.53	12.72	12.83	2.87	ppb
Phosphorus	31-2	404.48	400.06	424.29	409.61	3.15	ppb
Potassium	39-2	1462.73	1405.37	1416.31	1428.14	2.13	ppb
Rhodium	103-1				92		%
Rhodium	103-2				89		%
Scandium	45-1				93		%
Scandium	45-2				85		%
Selenium	82-1	-0.50	-0.42	-0.40	-0.44		ppb
Selenium	77-2	9.96	13.14	8.23	10.45	23.83	ppb
Selenium	78-2	2.23	2.84	1.46	2.18	31.85	ppb
Silicon	28-1	335.37	338.36	334.67	336.13	0.58	ppb
Silver	107-1	0.14	0.14	0.14	0.14	2.26	ppb
Silver	109-1	0.11	0.11	0.10	0.11	1.99	ppb
Sodium	23-2	83.22	80.39	80.82	81.48	1.87	ppb
Strontium	86-1	18.56	18.74	18.75	18.68	0.58	ppb
Strontium	88-1	19.35	19.31	19.20	19.29	0.40	ppb
Sulfur	34-1	-386.91	-406.28	-372.96	-388.72		ppb
Terbium	159-1				98		%
Terbium	159-2				95		%
Thallium	203-1	0.07	0.07	0.07	0.07	3.20	ppb
Thallium	205-1	0.07	0.07	0.07	0.07	1.40	ppb
Tin	118-1	1.31	1.34	1.32	1.32	1.41	ppb
Titanium	47-1	262.00	265.85	266.03	264.63	0.86	ppb
Uranium	238-1	0.29	0.29	0.30	0.30	0.62	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-02DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1D	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 16:57:06	DataFile Name :	057AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	27.94	26.86	26.89	27.23	2.25	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				92		%
Zinc	66-2	74.53	71.58	72.68	72.93	2.04	ppb
Zirconium	90-1	1.94	1.95	2.00	1.96	1.61	ppb
Zirconium	91-1	1.96	2.00	1.99	1.98	1.07	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01LDLX20	Instrumnet Name :	P8
Client Sample ID :	MYD5X1L	Dilution Factor :	20
Date & Time Acquired :	2024-10-04 17:00:18	DataFile Name :	058AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1365.41	1347.18	1338.12	1350.23	1.03	ppb
Antimony	121-1	0.06	0.07	0.07	0.06	11.28	ppb
Arsenic	75-2	2.16	2.04	1.96	2.05	4.78	ppb
Barium	135-1	13.86	14.52	14.30	14.23	2.34	ppb
Barium	137-1	14.03	14.78	14.64	14.48	2.75	ppb
Beryllium	9-1	0.08	0.08	0.08	0.08	3.99	ppb
Bismuth	209-1				98		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Cadmium	108-1	0.08	0.05	0.11	0.08	33.62	ppb
Cadmium	106-1	-3.07	-3.57	-3.40	-3.34		ppb
Cadmium	111-1	-0.22	-0.26	-0.25	-0.24		ppb
Calcium	43-1	680.19	710.69	694.89	695.26	2.19	ppb
Calcium	44-1	726.92	712.83	706.68	715.47	1.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.39	2.34	2.33	2.36	1.39	ppb
Cobalt	59-2	1.37	1.38	1.36	1.37	0.70	ppb
Copper	63-2	4.12	4.04	4.05	4.07	0.98	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				96		%
Indium	115-1				96		%
Indium	115-2				92		%
Iron	54-2	3135.38	3161.18	3121.56	3139.38	0.64	ppb
Iron	56-2	3224.75	3267.56	3235.85	3242.72	0.69	ppb
Iron	57-2	3136.40	3168.14	3127.93	3144.16	0.67	ppb
Krypton	83-1						cps
Lead	206-1	3.64	3.66	3.67	3.66	0.48	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01LDLX20	Instrumnet Name :	P8
Client Sample ID :	MYD5X1L	Dilution Factor :	20
Date & Time Acquired :	2024-10-04 17:00:18	DataFile Name :	058AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	3.80	3.79	3.85	3.81	0.85	ppb
Lead	208-1	3.71	3.73	3.73	3.72	0.39	ppb
Lithium	6-1				85		%
Magnesium	24-2	646.99	643.40	641.91	644.10	0.41	ppb
Manganese	55-2	67.26	67.81	67.59	67.55	0.41	ppb
Molybdenum	94-1	0.60	0.67	0.68	0.65	6.28	ppb
Molybdenum	95-1	0.04	0.04	0.04	0.04	6.53	ppb
Molybdenum	96-1	0.12	0.12	0.12	0.12	1.87	ppb
Molybdenum	97-1	0.04	0.04	0.04	0.04	7.12	ppb
Molybdenum	98-1	0.03	0.04	0.04	0.04	5.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.30	2.38	2.37	2.35	1.74	ppb
Phosphorus	31-2	54.51	65.27	59.25	59.68	9.04	ppb
Potassium	39-2	264.62	263.39	261.32	263.11	0.63	ppb
Rhodium	103-1				92		%
Rhodium	103-2				89		%
Scandium	45-1				91		%
Scandium	45-2				85		%
Selenium	82-1	-0.69	-0.73	-0.90	-0.77		ppb
Selenium	77-2	1.11	3.23	0.51	1.62	88.55	ppb
Selenium	78-2	0.59	0.59	0.14	0.44	58.89	ppb
Silicon	28-1	59.07	62.60	63.04	61.57	3.53	ppb
Silver	107-1	0.02	0.02	0.02	0.02	3.26	ppb
Silver	109-1	0.02	0.02	0.02	0.02	11.25	ppb
Sodium	23-2	15.56	15.52	15.16	15.41	1.42	ppb
Strontium	86-1	3.40	3.50	3.49	3.47	1.60	ppb
Strontium	88-1	3.34	3.55	3.50	3.46	3.06	ppb
Sulfur	34-1	-469.33	-322.53	-387.85	-393.24		ppb
Terbium	159-1				99		%
Terbium	159-2				96		%
Thallium	203-1	0.02	0.02	0.02	0.02	7.79	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	8.66	ppb
Tin	118-1	0.22	0.24	0.64	0.37	64.81	ppb
Titanium	47-1	46.87	48.87	48.04	47.93	2.10	ppb
Uranium	238-1	0.05	0.05	0.05	0.05	1.45	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01LDLX20	Instrumnet Name :	P8
Client Sample ID :	MYD5X1L	Dilution Factor :	20
Date & Time Acquired :	2024-10-04 17:00:18	DataFile Name :	058AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	5.01	4.98	4.90	4.96	1.09	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				94		%
Yttrium	89-2				90		%
Zinc	66-2	13.56	13.91	13.18	13.55	2.69	ppb
Zirconium	90-1	0.34	0.36	0.37	0.36	3.62	ppb
Zirconium	91-1	0.32	0.34	0.36	0.34	5.15	ppb

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-03DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1S	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 17:03:33	DataFile Name :	059AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7603.42	7601.66	7487.21	7564.10	0.88	ppb
Antimony	121-1	15.28	15.96	15.66	15.63	2.17	ppb
Arsenic	75-2	17.32	17.51	17.54	17.46	0.69	ppb
Barium	135-1	385.59	386.61	386.07	386.09	0.13	ppb
Barium	137-1	385.50	388.21	385.05	386.25	0.44	ppb
Beryllium	9-1	7.21	7.34	7.40	7.32	1.30	ppb
Bismuth	209-1				96		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Cadmium	108-1	5.90	6.14	6.63	6.22	5.97	ppb
Cadmium	106-1	3.19	4.73	2.97	3.63	26.50	ppb
Cadmium	111-1	7.46	7.94	7.72	7.70	3.08	ppb
Calcium	43-1	3521.88	3622.83	3655.92	3600.21	1.94	ppb
Calcium	44-1	3689.77	3749.24	3728.17	3722.39	0.81	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	43.60	44.40	43.78	43.93	0.95	ppb
Cobalt	59-2	88.31	89.22	88.85	88.79	0.52	ppb
Copper	63-2	61.06	61.94	61.92	61.64	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				99		%
Holmium	165-2				96		%
Indium	115-1				96		%
Indium	115-2				92		%
Iron	54-2	16547.95	16953.82	16892.99	16798.25	1.30	ppb
Iron	56-2	16657.07	17006.37	16620.55	16761.33	1.27	ppb
Iron	57-2	16769.01	17119.46	17147.27	17011.91	1.24	ppb
Krypton	83-1						cps
Lead	206-1	21.90	22.07	22.82	22.26	2.19	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-03DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1S	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 17:03:33	DataFile Name :	059AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	22.66	22.84	23.22	22.90	1.24	ppb
Lead	208-1	22.24	22.48	22.97	22.56	1.65	ppb
Lithium	6-1				85		%
Magnesium	24-2	3428.03	3450.71	3451.98	3443.57	0.39	ppb
Manganese	55-2	434.53	450.52	430.98	438.68	2.37	ppb
Molybdenum	94-1	3.27	3.40	3.40	3.36	2.24	ppb
Molybdenum	95-1	0.20	0.20	0.21	0.20	2.65	ppb
Molybdenum	96-1	0.55	0.61	0.59	0.58	4.90	ppb
Molybdenum	97-1	0.21	0.21	0.21	0.21	1.22	ppb
Molybdenum	98-1	0.19	0.20	0.20	0.20	2.01	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	93.18	94.38	93.61	93.72	0.65	ppb
Phosphorus	31-2	380.91	390.05	363.84	378.27	3.52	ppb
Potassium	39-2	1376.43	1371.76	1378.83	1375.67	0.26	ppb
Rhodium	103-1				91		%
Rhodium	103-2				89		%
Scandium	45-1				92		%
Scandium	45-2				85		%
Selenium	82-1	15.57	16.35	15.79	15.90	2.53	ppb
Selenium	77-2	26.65	27.52	24.65	26.27	5.61	ppb
Selenium	78-2	18.06	20.07	19.27	19.13	5.28	ppb
Silicon	28-1	322.33	330.26	328.69	327.09	1.28	ppb
Silver	107-1	7.41	7.71	7.56	7.56	1.99	ppb
Silver	109-1	7.74	8.20	8.01	7.98	2.93	ppb
Sodium	23-2	73.51	74.45	73.34	73.77	0.81	ppb
Strontium	86-1	17.40	18.04	17.91	17.78	1.88	ppb
Strontium	88-1	18.37	18.28	18.28	18.31	0.28	ppb
Sulfur	34-1	-411.80	-377.99	-349.66	-379.82		ppb
Terbium	159-1				99		%
Terbium	159-2				96		%
Thallium	203-1	7.43	7.58	7.85	7.62	2.77	ppb
Thallium	205-1	7.63	7.75	7.97	7.78	2.24	ppb
Tin	118-1	1.18	1.24	1.18	1.20	2.71	ppb
Titanium	47-1	252.82	248.86	247.70	249.79	1.07	ppb
Uranium	238-1	0.28	0.28	0.29	0.28	2.70	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-03DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1S	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 17:03:33	DataFile Name :	059AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	101.78	102.46	101.71	101.98	0.41	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				96		%
Yttrium	89-2				90		%
Zinc	66-2	151.91	153.80	153.76	153.16	0.70	ppb
Zirconium	90-1	1.82	1.84	1.86	1.84	1.32	ppb
Zirconium	91-1	1.78	1.92	1.87	1.85	3.86	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01MSDLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 17:06:41	DataFile Name :	060AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6175.38	6154.37	6109.78	6146.51	0.55	ppb
Antimony	121-1	56.09	56.59	57.76	56.81	1.51	ppb
Arsenic	75-2	29.77	29.92	31.02	30.23	2.25	ppb
Barium	135-1	1170.03	1166.99	1149.66	1162.23	0.95	ppb
Barium	137-1	1185.12	1171.84	1164.08	1173.68	0.91	ppb
Beryllium	9-1	24.95	24.90	25.09	24.98	0.40	ppb
Bismuth	209-1				96		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Cadmium	108-1	21.77	22.28	21.18	21.74	2.53	ppb
Cadmium	106-1	19.72	19.63	18.64	19.33	3.11	ppb
Cadmium	111-1	28.13	28.28	28.07	28.16	0.40	ppb
Calcium	43-1	2552.35	2590.97	2617.38	2586.90	1.26	ppb
Calcium	44-1	2660.88	2715.61	2699.30	2691.93	1.04	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	121.70	121.64	120.73	121.36	0.45	ppb
Cobalt	59-2	308.19	305.19	299.55	304.31	1.44	ppb
Copper	63-2	161.13	164.78	159.54	161.82	1.66	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				99		%
Holmium	165-2				94		%
Indium	115-1				95		%
Indium	115-2				91		%
Iron	54-2	12698.08	12608.05	12514.58	12606.90	0.73	ppb
Iron	56-2	12515.97	12552.13	12456.16	12508.09	0.39	ppb
Iron	57-2	12856.48	12561.69	12763.15	12727.11	1.18	ppb
Krypton	83-1						cps
Lead	206-1	24.58	24.71	25.21	24.83	1.34	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01MSDLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 17:06:41	DataFile Name :	060AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	25.10	25.24	25.78	25.37	1.40	ppb
Lead	208-1	24.97	24.95	25.36	25.09	0.90	ppb
Lithium	6-1				85		%
Magnesium	24-2	2449.23	2444.85	2383.64	2425.91	1.51	ppb
Manganese	55-2	552.16	558.15	547.74	552.68	0.94	ppb
Molybdenum	94-1	2.45	2.43	2.48	2.45	0.88	ppb
Molybdenum	95-1	0.14	0.15	0.15	0.15	1.87	ppb
Molybdenum	96-1	0.42	0.44	0.43	0.43	2.40	ppb
Molybdenum	97-1	0.15	0.15	0.14	0.14	3.13	ppb
Molybdenum	98-1	0.14	0.16	0.16	0.15	5.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	300.95	298.77	297.82	299.18	0.54	ppb
Phosphorus	31-2	278.54	267.41	285.58	277.18	3.30	ppb
Potassium	39-2	985.32	989.83	978.85	984.67	0.56	ppb
Rhodium	103-1				91		%
Rhodium	103-2				89		%
Scandium	45-1				91		%
Scandium	45-2				85		%
Selenium	82-1	63.17	63.36	63.18	63.24	0.17	ppb
Selenium	77-2	64.17	74.75	60.46	66.46	11.16	ppb
Selenium	78-2	61.37	64.34	56.86	60.86	6.19	ppb
Silicon	28-1	233.03	237.31	236.93	235.76	1.01	ppb
Silver	107-1	27.46	26.78	26.51	26.92	1.82	ppb
Silver	109-1	28.28	28.34	28.03	28.22	0.57	ppb
Sodium	23-2	53.18	53.31	53.47	53.32	0.27	ppb
Strontium	86-1	12.56	12.93	13.07	12.85	2.04	ppb
Strontium	88-1	12.70	12.72	12.91	12.78	0.91	ppb
Sulfur	34-1	-400.82	-411.55	-402.85	-405.08		ppb
Terbium	159-1				97		%
Terbium	159-2				95		%
Thallium	203-1	26.96	27.27	27.57	27.27	1.13	ppb
Thallium	205-1	28.64	28.43	29.16	28.74	1.29	ppb
Tin	118-1	0.86	0.88	0.86	0.86	1.23	ppb
Titanium	47-1	174.58	178.60	178.33	177.17	1.27	ppb
Uranium	238-1	0.20	0.20	0.20	0.20	1.49	ppb

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01MSDLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 17:06:41	DataFile Name :	060AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	304.78	298.75	297.76	300.43	1.26	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				95		%
Yttrium	89-2				91		%
Zinc	66-2	343.68	344.30	341.70	343.23	0.40	ppb
Zirconium	90-1	1.33	1.32	1.36	1.34	1.55	ppb
Zirconium	91-1	1.35	1.36	1.35	1.36	0.43	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-09DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5L6	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 17:09:45	DataFile Name :	061AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	25242.87	25203.55	25629.63	25358.68	0.93	ppb
Antimony	121-1	1.29	1.35	1.30	1.31	2.40	ppb
Arsenic	75-2	138.15	138.88	136.83	137.95	0.75	ppb
Barium	135-1	413.53	422.86	414.46	416.95	1.23	ppb
Barium	137-1	412.12	422.29	414.01	416.14	1.30	ppb
Beryllium	9-1	0.83	0.84	0.82	0.83	1.08	ppb
Bismuth	209-1				94		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	1.28	1.15	1.33	1.25	7.43	ppb
Cadmium	106-1	-0.88	-0.33	-0.41	-0.54		ppb
Cadmium	111-1	0.47	0.55	0.55	0.52	9.14	ppb
Calcium	43-1	4668.70	4677.12	4838.59	4728.14	2.03	ppb
Calcium	44-1	4739.19	4842.91	4956.05	4846.05	2.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	72.84	73.14	73.30	73.09	0.32	ppb
Cobalt	59-2	51.97	51.70	51.92	51.86	0.27	ppb
Copper	63-2	140.35	140.20	140.01	140.19	0.12	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				94		%
Indium	115-1				93		%
Indium	115-2				88		%
Iron	54-2	122560.99	121300.77	123525.53	122462.43	0.91	ppb
Iron	56-2	121807.06	123334.30	122680.69	122607.35	0.62	ppb
Iron	57-2	124299.43	123190.65	125266.57	124252.22	0.84	ppb
Krypton	83-1						cps
Lead	206-1	37.41	38.19	38.26	37.95	1.25	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-09DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5L6	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 17:09:45	DataFile Name :	061AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	39.25	40.06	39.47	39.59	1.05	ppb
Lead	208-1	39.24	39.65	39.48	39.46	0.51	ppb
Lithium	6-1				86		%
Magnesium	24-2	16521.88	16407.65	16477.44	16468.99	0.35	ppb
Manganese	55-2	6803.55	6856.38	6907.26	6855.73	0.76	ppb
Molybdenum	94-1	6.78	6.90	6.95	6.88	1.32	ppb
Molybdenum	95-1	1.53	1.52	1.55	1.53	0.96	ppb
Molybdenum	96-1	2.34	2.37	2.39	2.37	0.93	ppb
Molybdenum	97-1	1.53	1.48	1.51	1.51	1.73	ppb
Molybdenum	98-1	1.51	1.48	1.48	1.49	0.91	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	60.57	60.18	60.65	60.47	0.41	ppb
Phosphorus	31-2	1463.94	1477.40	1459.86	1467.07	0.63	ppb
Potassium	39-2	7783.77	7570.05	7801.81	7718.54	1.67	ppb
Rhodium	103-1				89		%
Rhodium	103-2				86		%
Scandium	45-1				95		%
Scandium	45-2				88		%
Selenium	82-1	-0.66	-0.64	-0.65	-0.65		ppb
Selenium	77-2	21.35	28.34	22.66	24.12	15.39	ppb
Selenium	78-2	4.65	5.48	4.70	4.94	9.41	ppb
Silicon	28-1	402.24	407.08	411.59	406.97	1.15	ppb
Silver	107-1	0.24	0.23	0.23	0.23	2.46	ppb
Silver	109-1	0.17	0.16	0.15	0.16	7.02	ppb
Sodium	23-2	83.56	83.54	82.95	83.35	0.41	ppb
Strontium	86-1	45.00	45.37	45.58	45.32	0.66	ppb
Strontium	88-1	46.16	46.47	46.91	46.51	0.81	ppb
Sulfur	34-1	-296.86	-263.66	-196.78	-252.44		ppb
Terbium	159-1				98		%
Terbium	159-2				95		%
Thallium	203-1	0.21	0.21	0.21	0.21	1.86	ppb
Thallium	205-1	0.21	0.22	0.21	0.21	2.77	ppb
Tin	118-1	1.41	1.42	1.41	1.41	0.17	ppb
Titanium	47-1	430.88	447.97	443.26	440.70	2.00	ppb
Uranium	238-1	0.56	0.59	0.59	0.58	2.64	ppb

Reviewed By:mohan
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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-09DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5L6	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 17:09:45	DataFile Name :	061AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	181.69	181.21	181.81	181.57	0.17	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				91		%
Zinc	66-2	206.62	203.84	205.69	205.38	0.69	ppb
Zirconium	90-1	3.15	3.24	3.25	3.21	1.70	ppb
Zirconium	91-1	3.21	3.27	3.25	3.24	0.94	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-14DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5M1	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 17:12:53	DataFile Name :	062AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	23647.41	23569.47	23804.28	23673.72	0.51	ppb
Antimony	121-1	1.73	1.81	1.78	1.77	2.31	ppb
Arsenic	75-2	125.28	130.07	125.69	127.01	2.09	ppb
Barium	135-1	698.98	709.99	698.37	702.45	0.93	ppb
Barium	137-1	692.91	713.94	697.76	701.54	1.57	ppb
Beryllium	9-1	0.81	0.87	0.84	0.84	3.70	ppb
Bismuth	209-1				92		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	2.03	1.90	1.89	1.94	3.90	ppb
Cadmium	106-1	0.03	1.62	0.03	0.56	163.65	ppb
Cadmium	111-1	1.17	1.35	1.17	1.23	8.69	ppb
Calcium	43-1	2865.34	2933.37	2920.98	2906.56	1.25	ppb
Calcium	44-1	2977.22	3001.83	2989.75	2989.60	0.41	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	72.34	70.99	72.07	71.80	0.99	ppb
Cobalt	59-2	48.29	47.55	48.08	47.97	0.79	ppb
Copper	63-2	181.88	181.86	184.48	182.74	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				97		%
Holmium	165-2				93		%
Indium	115-1				92		%
Indium	115-2				89		%
Iron	54-2	134710.42	133250.29	134984.18	134314.96	0.69	ppb
Iron	56-2	134884.44	134586.53	134968.83	134813.27	0.15	ppb
Iron	57-2	135897.66	133872.90	135723.45	135164.67	0.83	ppb
Krypton	83-1						cps
Lead	206-1	74.75	74.58	73.85	74.39	0.64	ppb

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-14DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5M1	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 17:12:53	DataFile Name :	062AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	75.32	76.58	75.89	75.93	0.84	ppb
Lead	208-1	74.23	75.27	75.23	74.91	0.78	ppb
Lithium	6-1				84		%
Magnesium	24-2	15421.22	15013.95	15562.24	15332.47	1.86	ppb
Manganese	55-2	8598.81	8547.47	8586.32	8577.54	0.31	ppb
Molybdenum	94-1	10.22	10.57	10.44	10.41	1.70	ppb
Molybdenum	95-1	1.53	1.53	1.55	1.53	0.69	ppb
Molybdenum	96-1	2.69	2.78	2.77	2.75	1.84	ppb
Molybdenum	97-1	1.43	1.54	1.47	1.48	3.72	ppb
Molybdenum	98-1	1.46	1.53	1.48	1.49	2.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	57.79	57.20	58.28	57.76	0.93	ppb
Phosphorus	31-2	1061.31	1088.92	1074.93	1075.05	1.28	ppb
Potassium	39-2	6181.34	5963.05	6133.96	6092.78	1.88	ppb
Rhodium	103-1				88		%
Rhodium	103-2				86		%
Scandium	45-1				93		%
Scandium	45-2				86		%
Selenium	82-1	-0.77	-0.72	-0.73	-0.74		ppb
Selenium	77-2	22.28	24.73	21.09	22.70	8.17	ppb
Selenium	78-2	4.64	5.18	5.08	4.97	5.81	ppb
Silicon	28-1	431.23	430.15	438.96	433.44	1.11	ppb
Silver	107-1	0.41	0.42	0.41	0.41	1.02	ppb
Silver	109-1	0.34	0.36	0.35	0.35	2.42	ppb
Sodium	23-2	73.82	73.11	74.03	73.65	0.65	ppb
Strontium	86-1	46.54	48.54	47.55	47.54	2.11	ppb
Strontium	88-1	48.46	50.16	48.93	49.18	1.78	ppb
Sulfur	34-1	-434.86	-408.89	-355.37	-399.71		ppb
Terbium	159-1				96		%
Terbium	159-2				94		%
Thallium	203-1	0.21	0.22	0.22	0.22	2.52	ppb
Thallium	205-1	0.22	0.23	0.23	0.23	1.95	ppb
Tin	118-1	1.41	1.43	1.43	1.43	1.00	ppb
Titanium	47-1	461.70	457.80	466.44	461.98	0.94	ppb
Uranium	238-1	0.59	0.60	0.61	0.60	1.33	ppb

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-14DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5M1	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 17:12:53	DataFile Name :	062AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	174.15	172.08	174.80	173.68	0.82	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				95		%
Yttrium	89-2				90		%
Zinc	66-2	251.97	250.49	252.86	251.77	0.48	ppb
Zirconium	90-1	5.13	5.27	5.20	5.20	1.34	ppb
Zirconium	91-1	5.12	5.38	5.34	5.28	2.65	ppb

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12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-19DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5M6	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 17:15:56	DataFile Name :	063AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20428.22	20531.87	20158.07	20372.72	0.95	ppb
Antimony	121-1	1.58	1.65	1.63	1.62	2.21	ppb
Arsenic	75-2	98.63	99.24	99.93	99.26	0.65	ppb
Barium	135-1	384.38	402.92	395.56	394.29	2.37	ppb
Barium	137-1	380.06	401.92	392.27	391.42	2.80	ppb
Beryllium	9-1	0.75	0.76	0.73	0.75	1.95	ppb
Bismuth	209-1				92		%
Bismuth	209-2				89		%
Bromine	81-1						cps
Cadmium	108-1	1.51	1.46	1.48	1.48	1.79	ppb
Cadmium	106-1	-1.07	-0.68	0.37	-0.46		ppb
Cadmium	111-1	0.45	0.52	0.61	0.53	14.99	ppb
Calcium	43-1	2649.93	2708.83	2632.90	2663.89	1.50	ppb
Calcium	44-1	2709.82	2836.73	2770.90	2772.48	2.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	65.26	65.69	65.05	65.33	0.50	ppb
Cobalt	59-2	44.07	44.12	44.15	44.11	0.10	ppb
Copper	63-2	122.65	122.20	121.82	122.22	0.34	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				96		%
Holmium	165-2				94		%
Indium	115-1				91		%
Indium	115-2				89		%
Iron	54-2	118362.83	118431.99	117834.94	118209.92	0.28	ppb
Iron	56-2	115730.63	116565.18	114945.59	115747.13	0.70	ppb
Iron	57-2	117155.55	119000.16	116279.56	117478.42	1.18	ppb
Krypton	83-1						cps
Lead	206-1	38.56	40.29	39.48	39.44	2.19	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-19DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5M6	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 17:15:56	DataFile Name :	063AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	40.24	41.30	40.55	40.70	1.34	ppb
Lead	208-1	40.45	41.49	40.48	40.81	1.45	ppb
Lithium	6-1				82		%
Magnesium	24-2	12831.58	13103.86	13009.10	12981.51	1.06	ppb
Manganese	55-2	5492.22	5446.76	5479.03	5472.67	0.43	ppb
Molybdenum	94-1	10.16	10.24	10.35	10.25	0.94	ppb
Molybdenum	95-1	1.12	1.10	1.09	1.10	1.36	ppb
Molybdenum	96-1	2.40	2.33	2.40	2.37	1.77	ppb
Molybdenum	97-1	1.12	1.07	1.10	1.10	2.27	ppb
Molybdenum	98-1	1.08	1.04	1.10	1.08	2.77	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	52.69	52.09	52.55	52.45	0.59	ppb
Phosphorus	31-2	891.77	882.33	832.88	869.00	3.64	ppb
Potassium	39-2	5008.19	4963.16	4958.51	4976.62	0.55	ppb
Rhodium	103-1				86		%
Rhodium	103-2				85		%
Scandium	45-1				90		%
Scandium	45-2				84		%
Selenium	82-1	-0.81	-0.93	-0.86	-0.86		ppb
Selenium	77-2	22.00	14.83	19.59	18.81	19.41	ppb
Selenium	78-2	4.09	4.20	3.12	3.81	15.56	ppb
Silicon	28-1	522.79	530.39	513.93	522.37	1.58	ppb
Silver	107-1	0.21	0.22	0.22	0.22	2.95	ppb
Silver	109-1	0.15	0.15	0.15	0.15	0.64	ppb
Sodium	23-2	64.13	64.18	63.57	63.96	0.52	ppb
Strontium	86-1	40.63	40.58	41.08	40.76	0.68	ppb
Strontium	88-1	41.92	42.31	41.55	41.92	0.90	ppb
Sulfur	34-1	-399.98	-324.73	-468.48	-397.73		ppb
Terbium	159-1				95		%
Terbium	159-2				93		%
Thallium	203-1	0.18	0.19	0.19	0.18	3.67	ppb
Thallium	205-1	0.18	0.19	0.18	0.18	1.79	ppb
Tin	118-1	1.49	1.55	1.58	1.54	2.73	ppb
Titanium	47-1	493.81	505.91	498.77	499.50	1.22	ppb
Uranium	238-1	0.54	0.56	0.55	0.55	1.46	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-19DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5M6	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 17:15:56	DataFile Name :	063AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	147.61	148.02	147.54	147.72	0.17	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				93		%
Yttrium	89-2				88		%
Zinc	66-2	183.23	182.01	181.63	182.29	0.46	ppb
Zirconium	90-1	5.33	5.35	5.36	5.35	0.35	ppb
Zirconium	91-1	5.37	5.31	5.48	5.39	1.66	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01	Instrumnet Name :	P8
Client Sample ID :	MYD546	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:19:04	DataFile Name :	064AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	29836.73	29692.78	29915.97	29815.16	0.38	ppb
Antimony	121-1	1.53	1.52	1.54	1.53	0.78	ppb
Arsenic	75-2	103.79	103.60	99.90	102.43	2.14	ppb
Barium	135-1	301.34	294.19	295.51	297.01	1.28	ppb
Barium	137-1	292.29	292.51	292.95	292.58	0.12	ppb
Beryllium	9-1	1.27	1.24	1.28	1.26	1.46	ppb
Bismuth	209-1				93		%
Bismuth	209-2				89		%
Bromine	81-1						cps
Cadmium	108-1	2.66	2.92	2.67	2.75	5.31	ppb
Cadmium	106-1	2.63	2.08	2.15	2.29	13.07	ppb
Cadmium	111-1	2.29	2.25	2.17	2.24	2.70	ppb
Calcium	43-1	11001.06	11086.16	11176.68	11087.97	0.79	ppb
Calcium	44-1	11436.78	11545.39	11608.67	11530.28	0.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36.17	35.93	35.76	35.95	0.57	ppb
Cobalt	59-2	34.98	35.03	34.50	34.83	0.84	ppb
Copper	63-2	239.85	237.20	241.87	239.64	0.98	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				93		%
Indium	115-1				92		%
Indium	115-2				88		%
Iron	54-2	77541.70	77647.25	77359.76	77516.24	0.19	ppb
Iron	56-2	77692.88	77647.45	78851.48	78063.94	0.87	ppb
Iron	57-2	78532.42	77587.78	77461.04	77860.41	0.75	ppb
Krypton	83-1						cps
Lead	206-1	101.94	101.24	100.08	101.08	0.93	ppb

Reviewed By:mohan
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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01	Instrumnet Name :	P8
Client Sample ID :	MYD546	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:19:04	DataFile Name :	064AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	105.14	104.78	103.50	104.48	0.82	ppb
Lead	208-1	102.54	101.96	101.91	102.14	0.34	ppb
Lithium	6-1				86		%
Magnesium	24-2	14923.93	14765.40	15078.36	14922.56	1.05	ppb
Manganese	55-2	1976.86	2005.59	1982.23	1988.23	0.77	ppb
Molybdenum	94-1	10.84	10.72	10.91	10.82	0.89	ppb
Molybdenum	95-1	1.12	1.11	1.14	1.12	1.39	ppb
Molybdenum	96-1	2.38	2.34	2.38	2.37	1.06	ppb
Molybdenum	97-1	1.10	1.13	1.14	1.13	1.62	ppb
Molybdenum	98-1	1.11	1.10	1.12	1.11	0.77	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	38.65	38.89	39.45	39.00	1.05	ppb
Phosphorus	31-2	2450.77	2388.40	2429.19	2422.79	1.31	ppb
Potassium	39-2	8152.64	8193.07	8202.10	8182.60	0.32	ppb
Rhodium	103-1				88		%
Rhodium	103-2				86		%
Scandium	45-1				92		%
Scandium	45-2				85		%
Selenium	82-1	0.32	0.28	0.48	0.36	29.46	ppb
Selenium	77-2	36.85	48.99	44.22	43.35	14.10	ppb
Selenium	78-2	10.36	8.47	9.69	9.51	10.06	ppb
Silicon	28-1	1516.80	1519.37	1512.48	1516.22	0.23	ppb
Silver	107-1	0.68	0.67	0.68	0.68	1.15	ppb
Silver	109-1	0.61	0.60	0.62	0.61	1.83	ppb
Sodium	23-2	192.17	174.18	179.11	181.82	5.11	ppb
Strontium	86-1	52.66	52.00	52.86	52.51	0.86	ppb
Strontium	88-1	55.22	52.92	54.91	54.35	2.29	ppb
Sulfur	34-1	-190.85	-206.54	-187.17	-194.85		ppb
Terbium	159-1				98		%
Terbium	159-2				93		%
Thallium	203-1	0.34	0.33	0.34	0.34	1.50	ppb
Thallium	205-1	0.35	0.35	0.34	0.35	1.21	ppb
Tin	118-1	2.80	2.87	2.90	2.85	1.72	ppb
Titanium	47-1	1083.05	1087.48	1094.66	1088.40	0.54	ppb
Uranium	238-1	0.93	0.92	0.93	0.93	0.35	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01	Instrumnet Name :	P8
Client Sample ID :	MYD546	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:19:04	DataFile Name :	064AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	111.91	110.88	110.65	111.15	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				92		%
Zinc	66-2	412.70	410.18	408.80	410.56	0.48	ppb
Zirconium	90-1	5.69	5.62	5.73	5.68	0.98	ppb
Zirconium	91-1	5.79	5.69	5.77	5.75	0.95	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-02	Instrumnet Name :	P8
Client Sample ID :	MYD546D	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:22:09	DataFile Name :	065AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	29105.25	29293.29	28895.33	29097.96	0.68	ppb
Antimony	121-1	1.42	1.47	1.43	1.44	2.09	ppb
Arsenic	75-2	99.89	99.93	95.26	98.36	2.73	ppb
Barium	135-1	279.80	295.67	289.19	288.22	2.77	ppb
Barium	137-1	280.98	295.72	283.13	286.61	2.78	ppb
Beryllium	9-1	1.21	1.28	1.24	1.24	2.83	ppb
Bismuth	209-1				97		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	2.59	2.55	2.63	2.59	1.65	ppb
Cadmium	106-1	1.35	2.99	0.79	1.71	66.88	ppb
Cadmium	111-1	2.01	2.30	2.03	2.11	7.74	ppb
Calcium	43-1	10462.38	10950.05	11004.58	10805.67	2.76	ppb
Calcium	44-1	10935.26	11364.59	11390.78	11230.21	2.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	35.09	35.18	35.03	35.10	0.22	ppb
Cobalt	59-2	34.03	34.43	33.92	34.13	0.79	ppb
Copper	63-2	233.89	235.74	235.02	234.88	0.40	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				93		%
Indium	115-1				95		%
Indium	115-2				89		%
Iron	54-2	76256.91	75293.10	75052.00	75534.00	0.84	ppb
Iron	56-2	76915.86	77171.66	76617.12	76901.54	0.36	ppb
Iron	57-2	75883.76	76207.36	75333.31	75808.14	0.58	ppb
Krypton	83-1						cps
Lead	206-1	94.31	96.99	99.46	96.92	2.66	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-02	Instrumnet Name :	P8
Client Sample ID :	MYD546D	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:22:09	DataFile Name :	065AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	98.75	99.76	102.48	100.33	1.92	ppb
Lead	208-1	95.86	98.33	100.00	98.07	2.12	ppb
Lithium	6-1				87		%
Magnesium	24-2	14697.83	14601.60	14681.61	14660.35	0.35	ppb
Manganese	55-2	1946.98	1946.47	1914.09	1935.85	0.97	ppb
Molybdenum	94-1	10.32	10.69	10.58	10.53	1.79	ppb
Molybdenum	95-1	1.05	1.08	1.07	1.07	1.24	ppb
Molybdenum	96-1	2.20	2.34	2.26	2.27	3.01	ppb
Molybdenum	97-1	1.03	1.12	1.10	1.08	4.38	ppb
Molybdenum	98-1	1.03	1.09	1.08	1.07	3.16	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	38.39	38.19	38.31	38.30	0.27	ppb
Phosphorus	31-2	2336.08	2391.81	2346.53	2358.14	1.26	ppb
Potassium	39-2	7937.04	7930.63	8025.54	7964.40	0.67	ppb
Rhodium	103-1				90		%
Rhodium	103-2				87		%
Scandium	45-1				95		%
Scandium	45-2				86		%
Selenium	82-1	0.45	0.76	0.49	0.57	29.25	ppb
Selenium	77-2	49.34	43.14	43.19	45.23	7.88	ppb
Selenium	78-2	11.33	9.92	8.98	10.08	11.78	ppb
Silicon	28-1	1481.34	1514.37	1536.88	1510.86	1.85	ppb
Silver	107-1	0.65	0.69	0.64	0.66	4.19	ppb
Silver	109-1	0.59	0.60	0.59	0.59	1.10	ppb
Sodium	23-2	174.51	175.75	175.73	175.33	0.40	ppb
Strontium	86-1	50.31	52.72	51.54	51.52	2.34	ppb
Strontium	88-1	51.87	54.23	53.27	53.12	2.24	ppb
Sulfur	34-1	-455.18	-298.80	-285.80	-346.59		ppb
Terbium	159-1				100		%
Terbium	159-2				95		%
Thallium	203-1	0.31	0.32	0.32	0.32	2.71	ppb
Thallium	205-1	0.31	0.31	0.33	0.32	3.33	ppb
Tin	118-1	2.70	2.89	2.78	2.79	3.37	ppb
Titanium	47-1	1032.98	1060.82	1070.65	1054.82	1.85	ppb
Uranium	238-1	0.87	0.90	0.90	0.89	1.74	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-02	Instrumnet Name :	P8
Client Sample ID :	MYD546D	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:22:09	DataFile Name :	065AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	109.30	108.44	107.82	108.52	0.69	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				94		%
Zinc	66-2	403.43	403.01	398.96	401.80	0.61	ppb
Zirconium	90-1	5.44	5.66	5.51	5.54	2.02	ppb
Zirconium	91-1	5.48	5.74	5.65	5.62	2.35	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD546L	Dilution Factor :	5
Date & Time Acquired :	2024-10-04 17:25:16	DataFile Name :	066AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5868.17	5846.19	5792.06	5835.47	0.67	ppb
Antimony	121-1	0.28	0.28	0.29	0.28	0.69	ppb
Arsenic	75-2	20.40	20.57	20.74	20.57	0.83	ppb
Barium	135-1	55.66	54.38	54.94	55.00	1.17	ppb
Barium	137-1	56.76	56.24	56.16	56.39	0.58	ppb
Beryllium	9-1	0.25	0.26	0.26	0.26	1.49	ppb
Bismuth	209-1				93		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Cadmium	108-1	0.47	0.58	0.57	0.54	10.66	ppb
Cadmium	106-1	-2.78	-3.27	-2.27	-2.77		ppb
Cadmium	111-1	0.18	0.11	0.21	0.17	31.73	ppb
Calcium	43-1	2212.70	2213.20	2178.67	2201.52	0.90	ppb
Calcium	44-1	2318.53	2297.22	2293.25	2303.00	0.59	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7.14	7.12	7.08	7.11	0.39	ppb
Cobalt	59-2	6.92	6.81	6.90	6.88	0.85	ppb
Copper	63-2	46.25	45.88	45.84	45.99	0.49	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				93		%
Indium	115-1				92		%
Indium	115-2				89		%
Iron	54-2	15283.83	15486.90	15540.67	15437.13	0.88	ppb
Iron	56-2	15632.91	15386.10	15188.87	15402.63	1.44	ppb
Iron	57-2	15613.18	15901.00	15560.20	15691.46	1.17	ppb
Krypton	83-1						cps
Lead	206-1	18.44	18.26	18.52	18.41	0.72	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD546L	Dilution Factor :	5
Date & Time Acquired :	2024-10-04 17:25:16	DataFile Name :	066AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	19.31	19.03	19.47	19.27	1.15	ppb
Lead	208-1	18.87	18.62	18.92	18.80	0.84	ppb
Lithium	6-1				79		%
Magnesium	24-2	2993.67	3025.22	2915.91	2978.27	1.89	ppb
Manganese	55-2	381.49	379.23	377.14	379.29	0.57	ppb
Molybdenum	94-1	2.12	2.10	2.14	2.12	0.77	ppb
Molybdenum	95-1	0.23	0.24	0.22	0.23	3.07	ppb
Molybdenum	96-1	0.47	0.47	0.48	0.47	1.52	ppb
Molybdenum	97-1	0.24	0.24	0.24	0.24	1.27	ppb
Molybdenum	98-1	0.22	0.22	0.22	0.22	1.69	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	7.83	7.78	7.84	7.82	0.40	ppb
Phosphorus	31-2	488.63	430.61	481.53	466.92	6.78	ppb
Potassium	39-2	1549.29	1539.36	1531.27	1539.98	0.59	ppb
Rhodium	103-1				87		%
Rhodium	103-2				87		%
Scandium	45-1				87		%
Scandium	45-2				81		%
Selenium	82-1	-0.73	-0.43	-0.43	-0.53		ppb
Selenium	77-2	8.41	10.02	9.97	9.47	9.70	ppb
Selenium	78-2	1.41	2.06	2.41	1.96	25.88	ppb
Silicon	28-1	305.04	299.98	295.59	300.20	1.57	ppb
Silver	107-1	0.13	0.12	0.13	0.13	1.83	ppb
Silver	109-1	0.12	0.12	0.11	0.12	1.36	ppb
Sodium	23-2	36.80	37.12	37.22	37.05	0.58	ppb
Strontium	86-1	10.73	10.56	10.70	10.66	0.83	ppb
Strontium	88-1	10.57	10.44	10.52	10.51	0.61	ppb
Sulfur	34-1	-382.22	-412.26	-417.04	-403.84		ppb
Terbium	159-1				94		%
Terbium	159-2				93		%
Thallium	203-1	0.06	0.06	0.06	0.06	3.92	ppb
Thallium	205-1	0.06	0.06	0.06	0.06	0.98	ppb
Tin	118-1	0.57	0.56	0.57	0.57	1.07	ppb
Titanium	47-1	208.21	209.09	209.48	208.93	0.31	ppb
Uranium	238-1	0.17	0.17	0.17	0.17	1.59	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD546L	Dilution Factor :	5
Date & Time Acquired :	2024-10-04 17:25:16	DataFile Name :	066AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	22.02	21.78	21.54	21.78	1.10	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				92		%
Yttrium	89-2				87		%
Zinc	66-2	82.09	82.64	81.74	82.16	0.55	ppb
Zirconium	90-1	1.14	1.14	1.14	1.14	0.23	ppb
Zirconium	91-1	1.15	1.13	1.12	1.14	1.56	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-03	Instrumnet Name :	P8
Client Sample ID :	MYD546S	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:28:28	DataFile Name :	067AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	30301.81	30026.01	30467.60	30265.14	0.74	ppb
Antimony	121-1	63.81	63.54	63.58	63.64	0.23	ppb
Arsenic	75-2	124.13	119.55	123.50	122.39	2.03	ppb
Barium	135-1	1479.49	1495.38	1501.93	1492.27	0.77	ppb
Barium	137-1	1491.80	1506.06	1489.98	1495.95	0.59	ppb
Beryllium	9-1	27.63	27.34	27.18	27.38	0.84	ppb
Bismuth	209-1				94		%
Bismuth	209-2				89		%
Bromine	81-1						cps
Cadmium	108-1	25.20	25.49	25.45	25.38	0.62	ppb
Cadmium	106-1	24.14	24.94	25.31	24.80	2.40	ppb
Cadmium	111-1	32.08	32.08	32.46	32.21	0.69	ppb
Calcium	43-1	10847.99	10945.82	10919.46	10904.42	0.46	ppb
Calcium	44-1	11318.42	11332.29	11351.42	11334.04	0.15	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	157.28	156.90	156.17	156.78	0.36	ppb
Cobalt	59-2	360.66	359.86	353.92	358.15	1.03	ppb
Copper	63-2	391.64	384.65	383.35	386.55	1.15	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				92		%
Indium	115-1				93		%
Indium	115-2				87		%
Iron	54-2	76982.30	76542.60	75798.37	76441.09	0.78	ppb
Iron	56-2	77557.71	77109.00	76564.53	77077.08	0.65	ppb
Iron	57-2	77019.59	77740.42	76051.10	76937.04	1.10	ppb
Krypton	83-1						cps
Lead	206-1	108.78	111.07	110.74	110.20	1.12	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-03	Instrumnet Name :	P8
Client Sample ID :	MYD546S	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:28:28	DataFile Name :	067AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	111.76	113.84	114.79	113.46	1.37	ppb
Lead	208-1	110.30	111.20	111.09	110.86	0.44	ppb
Lithium	6-1				84		%
Magnesium	24-2	14712.73	14582.62	14680.97	14658.77	0.46	ppb
Manganese	55-2	2278.97	2246.08	2245.08	2256.71	0.85	ppb
Molybdenum	94-1	10.57	10.70	10.78	10.68	0.99	ppb
Molybdenum	95-1	1.14	1.11	1.10	1.12	1.90	ppb
Molybdenum	96-1	2.27	2.33	2.30	2.30	1.19	ppb
Molybdenum	97-1	1.09	1.09	1.09	1.09	0.41	ppb
Molybdenum	98-1	1.10	1.10	1.09	1.09	0.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	347.88	347.87	349.01	348.25	0.19	ppb
Phosphorus	31-2	2375.86	2416.77	2392.45	2395.03	0.86	ppb
Potassium	39-2	7974.98	7910.31	7949.93	7945.07	0.41	ppb
Rhodium	103-1				87		%
Rhodium	103-2				85		%
Scandium	45-1				92		%
Scandium	45-2				84		%
Selenium	82-1	64.51	63.92	62.35	63.59	1.76	ppb
Selenium	77-2	99.90	101.03	101.00	100.64	0.64	ppb
Selenium	78-2	77.41	75.30	72.99	75.23	2.94	ppb
Silicon	28-1	1496.87	1501.34	1503.57	1500.59	0.23	ppb
Silver	107-1	29.12	29.49	29.56	29.39	0.82	ppb
Silver	109-1	30.80	31.31	31.66	31.26	1.39	ppb
Sodium	23-2	174.31	173.41	174.45	174.06	0.33	ppb
Strontium	86-1	51.99	51.89	51.88	51.92	0.12	ppb
Strontium	88-1	54.02	53.97	53.29	53.76	0.76	ppb
Sulfur	34-1	-263.92	-296.79	-271.74	-277.48		ppb
Terbium	159-1				97		%
Terbium	159-2				92		%
Thallium	203-1	29.84	30.20	30.22	30.09	0.70	ppb
Thallium	205-1	30.89	31.39	31.23	31.17	0.82	ppb
Tin	118-1	2.93	2.96	2.94	2.94	0.52	ppb
Titanium	47-1	1054.04	1058.68	1082.44	1065.05	1.43	ppb
Uranium	238-1	0.89	0.90	0.90	0.90	0.16	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-03	Instrumnet Name :	P8
Client Sample ID :	MYD546S	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:28:28	DataFile Name :	067AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	420.65	416.64	413.57	416.96	0.85	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				92		%
Zinc	66-2	717.91	714.37	713.20	715.16	0.34	ppb
Zirconium	90-1	5.62	5.56	5.59	5.59	0.61	ppb
Zirconium	91-1	5.74	5.76	5.73	5.74	0.28	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD546SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:31:31	DataFile Name :	068AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	33887.55	34288.02	34221.36	34132.31	0.63	ppb
Antimony	121-1	272.61	280.69	277.49	276.93	1.47	ppb
Arsenic	75-2	204.21	202.56	204.15	203.64	0.46	ppb
Barium	135-1	5691.14	5900.91	5880.89	5824.31	1.99	ppb
Barium	137-1	5719.10	5880.83	5879.25	5826.39	1.59	ppb
Beryllium	9-1	128.13	122.75	124.65	125.18	2.18	ppb
Bismuth	209-1				94		%
Bismuth	209-2				88		%
Bromine	81-1						cps
Cadmium	108-1	102.16	104.95	105.00	104.04	1.56	ppb
Cadmium	106-1	98.36	102.23	101.51	100.70	2.04	ppb
Cadmium	111-1	132.61	135.97	136.54	135.04	1.57	ppb
Calcium	43-1	10932.26	10943.48	10964.64	10946.79	0.15	ppb
Calcium	44-1	11290.62	11305.44	11408.04	11334.70	0.56	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	616.81	628.49	622.41	622.57	0.94	ppb
Cobalt	59-2	1493.67	1509.14	1533.77	1512.19	1.34	ppb
Copper	63-2	929.44	935.80	954.43	939.89	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				99		%
Holmium	165-2				92		%
Indium	115-1				93		%
Indium	115-2				86		%
Iron	54-2	79905.88	80123.10	80149.41	80059.47	0.17	ppb
Iron	56-2	79113.99	79077.47	80256.55	79482.67	0.84	ppb
Iron	57-2	79482.73	80415.31	80481.96	80126.67	0.70	ppb
Krypton	83-1						cps
Lead	206-1	152.47	157.57	156.76	155.60	1.76	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD546SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:31:31	DataFile Name :	068AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	155.79	160.27	156.51	157.52	1.53	ppb
Lead	208-1	153.21	157.31	154.98	155.17	1.33	ppb
Lithium	6-1				83		%
Magnesium	24-2	14379.83	14748.49	14594.01	14574.11	1.27	ppb
Manganese	55-2	3274.00	3333.08	3380.27	3329.12	1.60	ppb
Molybdenum	94-1	11.25	11.42	11.47	11.38	1.00	ppb
Molybdenum	95-1	1.10	1.10	1.12	1.11	0.95	ppb
Molybdenum	96-1	2.39	2.42	2.48	2.43	1.69	ppb
Molybdenum	97-1	1.10	1.12	1.12	1.11	1.30	ppb
Molybdenum	98-1	1.13	1.13	1.13	1.13	0.24	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1557.74	1558.76	1561.41	1559.30	0.12	ppb
Phosphorus	31-2	2389.09	2393.50	2336.33	2372.97	1.34	ppb
Potassium	39-2	7795.83	7774.58	7932.75	7834.39	1.10	ppb
Rhodium	103-1				87		%
Rhodium	103-2				83		%
Scandium	45-1				91		%
Scandium	45-2				82		%
Selenium	82-1	297.07	301.86	299.27	299.40	0.80	ppb
Selenium	77-2	334.70	331.56	304.89	323.72	5.06	ppb
Selenium	78-2	294.65	305.37	294.22	298.08	2.12	ppb
Silicon	28-1	1574.18	1565.53	1560.62	1566.78	0.44	ppb
Silver	107-1	134.52	134.99	136.78	135.43	0.88	ppb
Silver	109-1	139.60	145.06	143.19	142.62	1.95	ppb
Sodium	23-2	174.49	174.09	176.89	175.16	0.87	ppb
Strontium	86-1	51.27	52.70	52.91	52.30	1.71	ppb
Strontium	88-1	54.04	54.38	54.87	54.43	0.77	ppb
Sulfur	34-1	-312.45	-365.67	-354.84	-344.32		ppb
Terbium	159-1				98		%
Terbium	159-2				92		%
Thallium	203-1	139.49	140.88	139.19	139.85	0.65	ppb
Thallium	205-1	138.73	141.12	138.34	139.40	1.08	ppb
Tin	118-1	2.70	2.80	2.76	2.75	1.95	ppb
Titanium	47-1	1072.66	1094.33	1080.44	1082.48	1.01	ppb
Uranium	238-1	0.90	0.90	0.90	0.90	0.19	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD546SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:31:31	DataFile Name :	068AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	1515.34	1500.09	1510.46	1508.63	0.52	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				90		%
Zinc	66-2	1872.76	1880.95	1926.93	1893.55	1.54	ppb
Zirconium	90-1	5.87	5.90	6.00	5.92	1.13	ppb
Zirconium	91-1	5.97	6.06	6.12	6.05	1.26	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-04	Instrumnet Name :	P8
Client Sample ID :	MYD5R3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:34:25	DataFile Name :	069AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	55559.02	54912.21	50540.19	53670.47	5.09	ppb
Antimony	121-1	0.66	0.68	0.70	0.68	2.75	ppb
Arsenic	75-2	96.74	90.38	86.68	91.27	5.57	ppb
Barium	135-1	632.75	627.04	642.69	634.16	1.25	ppb
Barium	137-1	629.81	634.98	646.18	636.99	1.31	ppb
Beryllium	9-1	2.17	2.13	2.16	2.15	1.12	ppb
Bismuth	209-1				92		%
Bismuth	209-2				81		%
Bromine	81-1						cps
Cadmium	108-1	2.71	2.68	2.93	2.77	5.09	ppb
Cadmium	106-1	2.44	2.62	2.51	2.52	3.69	ppb
Cadmium	111-1	0.68	0.69	0.67	0.68	1.91	ppb
Calcium	43-1	68399.62	67303.22	69138.33	68280.39	1.35	ppb
Calcium	44-1	69551.39	68986.89	69385.51	69307.93	0.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	112.73	111.39	102.95	109.02	4.86	ppb
Cobalt	59-2	60.24	58.94	54.71	57.96	4.98	ppb
Copper	63-2	168.06	168.42	151.83	162.77	5.82	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				86		%
Indium	115-1				92		%
Indium	115-2				81		%
Iron	54-2	114786.06	112909.07	104931.86	110875.66	4.72	ppb
Iron	56-2	115148.37	111998.14	103856.35	110334.29	5.28	ppb
Iron	57-2	115842.53	114253.30	104714.33	111603.39	5.39	ppb
Krypton	83-1						cps
Lead	206-1	38.73	39.19	39.24	39.05	0.73	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-04	Instrumnet Name :	P8
Client Sample ID :	MYD5R3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:34:25	DataFile Name :	069AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	38.13	38.77	38.57	38.49	0.85	ppb
Lead	208-1	39.28	39.84	39.74	39.62	0.76	ppb
Lithium	6-1				83		%
Magnesium	24-2	33643.13	33446.77	30651.00	32580.30	5.14	ppb
Manganese	55-2	4321.08	4245.98	3890.20	4152.42	5.54	ppb
Molybdenum	94-1	23.37	23.80	24.12	23.76	1.59	ppb
Molybdenum	95-1	0.70	0.71	0.70	0.70	1.01	ppb
Molybdenum	96-1	3.34	3.44	3.48	3.42	2.00	ppb
Molybdenum	97-1	0.66	0.71	0.68	0.69	3.22	ppb
Molybdenum	98-1	0.68	0.69	0.68	0.68	0.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	103.88	100.45	93.21	99.18	5.49	ppb
Phosphorus	31-2	1549.79	1520.87	1412.16	1494.27	4.86	ppb
Potassium	39-2	10129.52	9801.58	9166.84	9699.31	5.05	ppb
Rhodium	103-1				85		%
Rhodium	103-2				78		%
Scandium	45-1				93		%
Scandium	45-2				81		%
Selenium	82-1	0.17	-0.09	0.24	0.10	167.01	ppb
Selenium	77-2	40.20	43.80	44.04	42.68	5.04	ppb
Selenium	78-2	10.66	10.20	9.31	10.05	6.81	ppb
Silicon	28-1	1505.65	1487.77	1494.90	1496.11	0.60	ppb
Silver	107-1	0.35	0.35	0.35	0.35	1.02	ppb
Silver	109-1	0.19	0.18	0.18	0.18	2.81	ppb
Sodium	23-2	145.21	143.00	130.50	139.57	5.68	ppb
Strontium	86-1	85.88	88.56	89.06	87.83	1.95	ppb
Strontium	88-1	89.74	89.29	91.51	90.18	1.30	ppb
Sulfur	34-1	-347.18	-427.59	-393.86	-389.54		ppb
Terbium	159-1				98		%
Terbium	159-2				86		%
Thallium	203-1	0.56	0.55	0.56	0.55	1.01	ppb
Thallium	205-1	0.56	0.57	0.58	0.57	1.32	ppb
Tin	118-1	2.83	2.91	2.92	2.89	1.80	ppb
Titanium	47-1	668.25	655.19	661.27	661.57	0.99	ppb
Uranium	238-1	0.89	0.92	0.90	0.90	1.44	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-04	Instrumnet Name :	P8
Client Sample ID :	MYD5R3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:34:25	DataFile Name :	069AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	214.92	212.72	195.52	207.72	5.11	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				86		%
Zinc	66-2	209.12	205.57	188.91	201.20	5.36	ppb
Zirconium	90-1	13.12	13.47	13.50	13.36	1.59	ppb
Zirconium	91-1	12.91	13.34	13.45	13.23	2.17	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-05	Instrumnet Name :	P8
Client Sample ID :	MYD5R4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:37:33	DataFile Name :	070AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	55700.78	55455.35	54664.48	55273.54	0.98	ppb
Antimony	121-1	1.52	1.57	1.53	1.54	1.66	ppb
Arsenic	75-2	141.21	139.73	139.84	140.26	0.59	ppb
Barium	135-1	1530.57	1540.93	1531.83	1534.44	0.37	ppb
Barium	137-1	1569.06	1545.60	1553.20	1555.95	0.77	ppb
Beryllium	9-1	1.89	1.88	1.91	1.89	0.72	ppb
Bismuth	209-1				91		%
Bismuth	209-2				85		%
Bromine	81-1						cps
Cadmium	108-1	3.28	3.34	3.00	3.21	5.71	ppb
Cadmium	106-1	4.39	3.25	2.91	3.52	22.07	ppb
Cadmium	111-1	1.79	1.74	1.71	1.75	2.36	ppb
Calcium	43-1	15428.97	15548.97	15621.12	15533.02	0.62	ppb
Calcium	44-1	15557.74	15398.44	15712.76	15556.31	1.01	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	121.06	121.42	119.46	120.65	0.87	ppb
Cobalt	59-2	74.13	75.51	74.48	74.71	0.96	ppb
Copper	63-2	281.17	287.16	282.89	283.74	1.09	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				92		%
Indium	115-1				91		%
Indium	115-2				86		%
Iron	54-2	161588.70	163521.98	159764.56	161625.08	1.16	ppb
Iron	56-2	159836.23	161492.48	160432.25	160586.99	0.52	ppb
Iron	57-2	159368.61	165214.83	160624.81	161736.08	1.90	ppb
Krypton	83-1						cps
Lead	206-1	90.01	90.01	89.35	89.79	0.43	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-05	Instrumnet Name :	P8
Client Sample ID :	MYD5R4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:37:33	DataFile Name :	070AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	88.29	90.45	91.00	89.91	1.59	ppb
Lead	208-1	87.97	90.04	89.55	89.19	1.21	ppb
Lithium	6-1				85		%
Magnesium	24-2	37241.85	37307.75	37477.41	37342.34	0.33	ppb
Manganese	55-2	12564.27	12586.68	12464.22	12538.39	0.52	ppb
Molybdenum	94-1	17.06	17.41	17.21	17.23	1.00	ppb
Molybdenum	95-1	1.45	1.50	1.46	1.47	1.78	ppb
Molybdenum	96-1	3.52	3.57	3.50	3.53	1.01	ppb
Molybdenum	97-1	1.39	1.39	1.43	1.40	1.56	ppb
Molybdenum	98-1	1.35	1.40	1.39	1.38	1.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	110.37	111.74	111.23	111.11	0.63	ppb
Phosphorus	31-2	1647.66	1638.12	1602.40	1629.39	1.46	ppb
Potassium	39-2	8888.72	8948.11	8973.90	8936.91	0.49	ppb
Rhodium	103-1				85		%
Rhodium	103-2				82		%
Scandium	45-1				95		%
Scandium	45-2				87		%
Selenium	82-1	0.48	0.52	0.55	0.52	7.24	ppb
Selenium	77-2	45.97	46.05	47.95	46.66	2.40	ppb
Selenium	78-2	9.52	11.68	11.26	10.82	10.60	ppb
Silicon	28-1	1295.58	1283.23	1293.53	1290.78	0.51	ppb
Silver	107-1	0.56	0.58	0.56	0.57	1.85	ppb
Silver	109-1	0.39	0.40	0.39	0.39	1.53	ppb
Sodium	23-2	137.32	138.57	137.84	137.91	0.45	ppb
Strontium	86-1	101.96	103.40	102.96	102.77	0.72	ppb
Strontium	88-1	104.68	106.93	106.10	105.90	1.07	ppb
Sulfur	34-1	-180.02	-198.04	-155.11	-177.72		ppb
Terbium	159-1				95		%
Terbium	159-2				91		%
Thallium	203-1	0.49	0.50	0.52	0.50	2.58	ppb
Thallium	205-1	0.50	0.50	0.51	0.51	0.75	ppb
Tin	118-1	3.11	3.11	3.13	3.12	0.38	ppb
Titanium	47-1	800.76	799.51	816.20	805.49	1.15	ppb
Uranium	238-1	1.13	1.14	1.15	1.14	1.02	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-05	Instrumnet Name :	P8
Client Sample ID :	MYD5R4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:37:33	DataFile Name :	070AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	305.62	306.34	301.68	304.55	0.82	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				90		%
Zinc	66-2	372.88	381.91	374.69	376.49	1.27	ppb
Zirconium	90-1	9.07	9.24	9.16	9.15	0.93	ppb
Zirconium	91-1	9.19	9.38	9.11	9.23	1.51	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-06	Instrumnet Name :	P8
Client Sample ID :	MYD5R5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:40:35	DataFile Name :	071AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	54895.23	55105.75	54743.72	54914.90	0.33	ppb
Antimony	121-1	1.74	1.71	1.69	1.71	1.46	ppb
Arsenic	75-2	176.08	176.82	176.31	176.40	0.21	ppb
Barium	135-1	643.43	629.72	627.76	633.64	1.35	ppb
Barium	137-1	648.41	632.14	619.24	633.26	2.31	ppb
Beryllium	9-1	1.92	1.92	1.93	1.92	0.22	ppb
Bismuth	209-1				91		%
Bismuth	209-2				86		%
Bromine	81-1						cps
Cadmium	108-1	3.05	2.62	2.67	2.78	8.48	ppb
Cadmium	106-1	2.60	1.71	2.11	2.14	20.68	ppb
Cadmium	111-1	1.59	1.47	1.52	1.53	4.00	ppb
Calcium	43-1	9825.88	9910.47	9790.96	9842.43	0.62	ppb
Calcium	44-1	10400.08	10150.05	10111.88	10220.67	1.53	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	125.64	125.91	126.24	125.93	0.24	ppb
Cobalt	59-2	77.03	77.14	76.45	76.87	0.48	ppb
Copper	63-2	268.69	266.79	271.59	269.02	0.90	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				92		%
Indium	115-1				90		%
Indium	115-2				85		%
Iron	54-2	150090.43	149733.96	150303.78	150042.72	0.19	ppb
Iron	56-2	151765.51	150978.28	151139.15	151294.31	0.27	ppb
Iron	57-2	153363.07	152139.24	151231.93	152244.75	0.70	ppb
Krypton	83-1						cps
Lead	206-1	61.02	59.60	60.19	60.27	1.19	ppb

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-06	Instrumnet Name :	P8
Client Sample ID :	MYD5R5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:40:35	DataFile Name :	071AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	60.95	58.87	60.56	60.13	1.84	ppb
Lead	208-1	61.97	59.74	61.36	61.03	1.89	ppb
Lithium	6-1				83		%
Magnesium	24-2	35736.31	35575.91	35337.97	35550.06	0.56	ppb
Manganese	55-2	3711.24	3766.06	3766.49	3747.93	0.85	ppb
Molybdenum	94-1	14.69	14.90	14.88	14.82	0.79	ppb
Molybdenum	95-1	1.52	1.54	1.51	1.52	1.11	ppb
Molybdenum	96-1	3.29	3.32	3.30	3.30	0.49	ppb
Molybdenum	97-1	1.49	1.45	1.53	1.49	2.73	ppb
Molybdenum	98-1	1.45	1.47	1.47	1.46	0.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	124.83	124.94	124.95	124.91	0.05	ppb
Phosphorus	31-2	1991.22	1920.28	1964.04	1958.51	1.83	ppb
Potassium	39-2	12686.34	12567.02	12640.83	12631.40	0.48	ppb
Rhodium	103-1				85		%
Rhodium	103-2				83		%
Scandium	45-1				95		%
Scandium	45-2				87		%
Selenium	82-1	1.23	0.96	0.38	0.86	50.44	ppb
Selenium	77-2	43.57	45.06	49.43	46.02	6.62	ppb
Selenium	78-2	10.53	9.82	9.43	9.92	5.60	ppb
Silicon	28-1	1179.92	1183.66	1155.66	1173.08	1.30	ppb
Silver	107-1	0.65	0.65	0.64	0.65	0.73	ppb
Silver	109-1	0.45	0.44	0.44	0.45	1.74	ppb
Sodium	23-2	189.59	189.19	188.86	189.21	0.19	ppb
Strontium	86-1	120.62	122.03	121.70	121.45	0.61	ppb
Strontium	88-1	124.92	125.23	123.88	124.68	0.57	ppb
Sulfur	34-1	-396.19	-443.24	-504.61	-448.02		ppb
Terbium	159-1				96		%
Terbium	159-2				92		%
Thallium	203-1	0.44	0.43	0.44	0.44	1.63	ppb
Thallium	205-1	0.45	0.44	0.44	0.44	2.14	ppb
Tin	118-1	2.91	2.91	2.92	2.92	0.12	ppb
Titanium	47-1	850.32	844.70	837.32	844.11	0.77	ppb
Uranium	238-1	1.19	1.16	1.16	1.17	1.21	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-06	Instrumnet Name :	P8
Client Sample ID :	MYD5R5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:40:35	DataFile Name :	071AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	332.13	332.17	332.88	332.40	0.13	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				91		%
Zinc	66-2	270.45	270.89	272.52	271.29	0.40	ppb
Zirconium	90-1	7.68	7.73	7.80	7.74	0.75	ppb
Zirconium	91-1	7.70	7.88	7.85	7.81	1.21	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-07	Instrumnet Name :	P8
Client Sample ID :	MYD5R6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:43:41	DataFile Name :	072AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	39791.68	39994.18	39960.55	39915.47	0.27	ppb
Antimony	121-1	1.66	1.68	1.70	1.68	1.38	ppb
Arsenic	75-2	142.75	140.54	143.47	142.25	1.07	ppb
Barium	135-1	448.58	451.48	444.74	448.26	0.75	ppb
Barium	137-1	454.62	448.68	441.41	448.24	1.48	ppb
Beryllium	9-1	1.62	1.65	1.59	1.62	1.82	ppb
Bismuth	209-1				92		%
Bismuth	209-2				86		%
Bromine	81-1						cps
Cadmium	108-1	1.70	1.70	1.83	1.74	4.11	ppb
Cadmium	106-1	-0.25	-0.13	-0.99	-0.46		ppb
Cadmium	111-1	0.91	0.90	0.86	0.89	2.96	ppb
Calcium	43-1	14141.71	14396.12	14005.46	14181.10	1.40	ppb
Calcium	44-1	14174.73	14373.67	14042.72	14197.04	1.17	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	97.16	97.72	96.89	97.26	0.43	ppb
Cobalt	59-2	57.90	58.17	57.46	57.84	0.62	ppb
Copper	63-2	212.71	215.57	213.32	213.87	0.70	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				90		%
Indium	115-1				91		%
Indium	115-2				86		%
Iron	54-2	118998.63	120849.61	120444.44	120097.56	0.81	ppb
Iron	56-2	119350.63	120226.91	119871.24	119816.26	0.37	ppb
Iron	57-2	119896.31	121213.93	119217.45	120109.23	0.85	ppb
Krypton	83-1						cps
Lead	206-1	41.87	42.58	42.49	42.31	0.91	ppb

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-07	Instrumnet Name :	P8
Client Sample ID :	MYD5R6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:43:41	DataFile Name :	072AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	41.98	42.53	42.54	42.35	0.76	ppb
Lead	208-1	42.50	43.02	42.64	42.72	0.63	ppb
Lithium	6-1				82		%
Magnesium	24-2	27841.30	28102.54	27744.59	27896.14	0.66	ppb
Manganese	55-2	2617.11	2626.65	2591.56	2611.77	0.69	ppb
Molybdenum	94-1	10.35	10.52	10.49	10.45	0.90	ppb
Molybdenum	95-1	2.16	2.21	2.18	2.18	1.32	ppb
Molybdenum	96-1	3.34	3.42	3.40	3.39	1.27	ppb
Molybdenum	97-1	2.21	2.22	2.20	2.21	0.44	ppb
Molybdenum	98-1	2.19	2.18	2.21	2.19	0.80	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	93.89	95.54	94.70	94.71	0.87	ppb
Phosphorus	31-2	3024.78	3078.95	3150.76	3084.83	2.05	ppb
Potassium	39-2	16799.82	16784.07	16640.18	16741.36	0.53	ppb
Rhodium	103-1				85		%
Rhodium	103-2				83		%
Scandium	45-1				92		%
Scandium	45-2				84		%
Selenium	82-1	0.02	0.54	0.61	0.39	83.68	ppb
Selenium	77-2	34.68	35.02	34.37	34.69	0.94	ppb
Selenium	78-2	6.35	8.13	8.56	7.68	15.28	ppb
Silicon	28-1	1239.45	1219.21	1222.08	1226.91	0.89	ppb
Silver	107-1	0.43	0.44	0.43	0.43	1.17	ppb
Silver	109-1	0.21	0.21	0.21	0.21	0.70	ppb
Sodium	23-2	1823.79	1898.11	1899.90	1873.94	2.32	ppb
Strontium	86-1	125.76	127.25	126.32	126.44	0.60	ppb
Strontium	88-1	130.02	131.78	129.94	130.58	0.80	ppb
Sulfur	34-1	1415.51	1385.78	1318.93	1373.41	3.60	ppb
Terbium	159-1				96		%
Terbium	159-2				91		%
Thallium	203-1	0.31	0.32	0.32	0.32	2.36	ppb
Thallium	205-1	0.33	0.33	0.33	0.33	0.89	ppb
Tin	118-1	2.04	2.07	2.13	2.08	2.16	ppb
Titanium	47-1	627.40	631.31	616.10	624.94	1.26	ppb
Uranium	238-1	1.00	1.01	1.00	1.00	0.47	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-07	Instrumnet Name :	P8
Client Sample ID :	MYD5R6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:43:41	DataFile Name :	072AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	271.78	281.22	285.13	279.38	2.46	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				95		%
Yttrium	89-2				90		%
Zinc	66-2	305.73	308.99	300.96	305.23	1.32	ppb
Zirconium	90-1	4.83	4.99	4.96	4.93	1.76	ppb
Zirconium	91-1	5.02	5.13	5.09	5.08	1.18	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-08	Instrumnet Name :	P8
Client Sample ID :	MYD5R7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:46:44	DataFile Name :	073AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48511.73	43848.51	46260.15	46206.79	5.05	ppb
Antimony	121-1	1.89	1.85	1.92	1.89	1.99	ppb
Arsenic	75-2	175.25	161.02	167.47	167.91	4.24	ppb
Barium	135-1	572.02	571.28	579.41	574.23	0.78	ppb
Barium	137-1	568.76	566.29	575.51	570.19	0.84	ppb
Beryllium	9-1	1.67	1.67	1.69	1.68	0.73	ppb
Bismuth	209-1				91		%
Bismuth	209-2				87		%
Bromine	81-1						cps
Cadmium	108-1	3.66	3.60	3.69	3.65	1.31	ppb
Cadmium	106-1	2.85	1.09	2.19	2.05	43.59	ppb
Cadmium	111-1	2.48	2.36	2.45	2.43	2.69	ppb
Calcium	43-1	9590.67	9793.37	9738.19	9707.41	1.08	ppb
Calcium	44-1	9954.69	10203.84	10039.51	10066.02	1.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	111.64	103.93	107.55	107.71	3.58	ppb
Cobalt	59-2	74.37	68.61	72.17	71.71	4.06	ppb
Copper	63-2	408.44	383.25	390.12	393.93	3.31	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				97		%
Holmium	165-2				92		%
Indium	115-1				89		%
Indium	115-2				85		%
Iron	54-2	142083.23	131082.32	138662.70	137276.09	4.10	ppb
Iron	56-2	144640.30	134797.61	138729.05	139388.99	3.55	ppb
Iron	57-2	141809.83	132542.75	139774.34	138042.30	3.53	ppb
Krypton	83-1						cps
Lead	206-1	114.98	115.51	110.07	113.52	2.64	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-08	Instrumnet Name :	P8
Client Sample ID :	MYD5R7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:46:44	DataFile Name :	073AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	111.79	115.17	111.99	112.98	1.68	ppb
Lead	208-1	111.49	113.98	111.27	112.25	1.34	ppb
Lithium	6-1				81		%
Magnesium	24-2	31490.80	29140.45	30705.00	30445.42	3.93	ppb
Manganese	55-2	3606.29	3322.05	3499.99	3476.11	4.13	ppb
Molybdenum	94-1	16.66	16.43	16.54	16.54	0.70	ppb
Molybdenum	95-1	1.29	1.23	1.30	1.27	2.68	ppb
Molybdenum	96-1	3.29	3.26	3.28	3.28	0.57	ppb
Molybdenum	97-1	1.20	1.23	1.24	1.23	1.57	ppb
Molybdenum	98-1	1.26	1.20	1.24	1.23	2.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	117.67	109.05	112.72	113.15	3.82	ppb
Phosphorus	31-2	1971.03	1772.42	1866.04	1869.83	5.31	ppb
Potassium	39-2	9229.25	8570.52	8827.59	8875.79	3.74	ppb
Rhodium	103-1				85		%
Rhodium	103-2				83		%
Scandium	45-1				93		%
Scandium	45-2				84		%
Selenium	82-1	0.30	0.30	0.52	0.38	32.96	ppb
Selenium	77-2	37.91	39.95	43.90	40.58	7.50	ppb
Selenium	78-2	9.39	8.27	10.21	9.29	10.48	ppb
Silicon	28-1	1422.03	1419.69	1414.32	1418.68	0.28	ppb
Silver	107-1	0.76	0.76	0.77	0.77	0.94	ppb
Silver	109-1	0.62	0.60	0.61	0.61	1.02	ppb
Sodium	23-2	125.93	117.68	120.35	121.32	3.47	ppb
Strontium	86-1	101.93	101.65	101.90	101.82	0.15	ppb
Strontium	88-1	104.17	101.51	103.02	102.90	1.30	ppb
Sulfur	34-1	-473.92	-473.97	-538.72	-495.54		ppb
Terbium	159-1				95		%
Terbium	159-2				92		%
Thallium	203-1	0.46	0.47	0.49	0.47	2.71	ppb
Thallium	205-1	0.48	0.49	0.48	0.48	1.92	ppb
Tin	118-1	2.56	2.58	2.60	2.58	0.73	ppb
Titanium	47-1	849.59	869.91	861.32	860.27	1.19	ppb
Uranium	238-1	1.20	1.23	1.23	1.22	1.35	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-08	Instrumnet Name :	P8
Client Sample ID :	MYD5R7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:46:44	DataFile Name :	073AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	322.55	293.78	308.46	308.26	4.67	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				96		%
Yttrium	89-2				90		%
Zinc	66-2	344.01	316.60	333.99	331.53	4.18	ppb
Zirconium	90-1	8.85	8.79	8.88	8.84	0.51	ppb
Zirconium	91-1	9.06	8.87	8.91	8.95	1.07	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-09	Instrumnet Name :	P8
Client Sample ID :	MYD5R8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:49:48	DataFile Name :	074AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	41677.04	42286.90	42069.86	42011.27	0.74	ppb
Antimony	121-1	0.62	0.65	0.64	0.64	3.11	ppb
Arsenic	75-2	93.41	95.89	96.79	95.36	1.84	ppb
Barium	135-1	1013.00	1034.57	1010.19	1019.25	1.31	ppb
Barium	137-1	1036.62	1044.41	1031.15	1037.39	0.64	ppb
Beryllium	9-1	1.69	1.68	1.65	1.68	1.20	ppb
Bismuth	209-1				90		%
Bismuth	209-2				84		%
Bromine	81-1						cps
Cadmium	108-1	1.63	1.88	1.91	1.80	8.58	ppb
Cadmium	106-1	0.39	0.73	-0.28	0.28	181.66	ppb
Cadmium	111-1	0.63	0.66	0.59	0.63	5.80	ppb
Calcium	43-1	99012.39	98518.48	101087.96	99539.61	1.37	ppb
Calcium	44-1	101400.43	100539.86	100764.22	100901.50	0.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	89.74	91.14	91.16	90.68	0.90	ppb
Cobalt	59-2	54.90	55.86	55.82	55.53	0.98	ppb
Copper	63-2	142.32	143.91	144.68	143.64	0.84	ppb
Dysprosium	156-1						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				90		%
Indium	115-1				90		%
Indium	115-2				84		%
Iron	54-2	98114.26	97610.42	97746.50	97823.73	0.27	ppb
Iron	56-2	98475.49	99454.60	99495.46	99141.85	0.58	ppb
Iron	57-2	97063.88	100421.80	100009.61	99165.09	1.85	ppb
Krypton	83-1						cps
Lead	206-1	47.80	48.61	50.04	48.82	2.33	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-09	Instrumnet Name :	P8
Client Sample ID :	MYD5R8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:49:48	DataFile Name :	074AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	47.83	48.93	50.16	48.97	2.39	ppb
Lead	208-1	48.91	49.73	50.56	49.73	1.66	ppb
Lithium	6-1				78		%
Magnesium	24-2	28658.36	28822.13	28875.76	28785.41	0.39	ppb
Manganese	55-2	7366.73	7398.80	7446.30	7403.94	0.54	ppb
Molybdenum	94-1	11.69	11.78	12.23	11.90	2.42	ppb
Molybdenum	95-1	0.75	0.76	0.78	0.76	2.33	ppb
Molybdenum	96-1	2.10	2.18	2.25	2.18	3.48	ppb
Molybdenum	97-1	0.70	0.71	0.76	0.73	4.20	ppb
Molybdenum	98-1	0.68	0.69	0.74	0.70	3.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	86.71	88.00	87.49	87.40	0.74	ppb
Phosphorus	31-2	1105.22	1177.90	1156.64	1146.59	3.26	ppb
Potassium	39-2	6428.21	6521.96	6484.80	6478.32	0.73	ppb
Rhodium	103-1				83		%
Rhodium	103-2				80		%
Scandium	45-1				90		%
Scandium	45-2				82		%
Selenium	82-1	0.19	0.37	0.27	0.28	32.75	ppb
Selenium	77-2	33.78	33.87	31.81	33.15	3.52	ppb
Selenium	78-2	8.74	9.20	7.49	8.48	10.44	ppb
Silicon	28-1	1622.25	1614.95	1621.48	1619.56	0.25	ppb
Silver	107-1	0.34	0.34	0.33	0.34	1.50	ppb
Silver	109-1	0.18	0.18	0.18	0.18	1.86	ppb
Sodium	23-2	120.24	120.21	120.15	120.20	0.04	ppb
Strontium	86-1	93.34	94.60	97.79	95.24	2.41	ppb
Strontium	88-1	97.70	97.58	99.60	98.29	1.15	ppb
Sulfur	34-1	-323.69	-369.85	-312.20	-335.25		ppb
Terbium	159-1				96		%
Terbium	159-2				91		%
Thallium	203-1	0.42	0.43	0.44	0.43	2.24	ppb
Thallium	205-1	0.44	0.44	0.44	0.44	0.88	ppb
Tin	118-1	2.44	2.52	2.49	2.48	1.64	ppb
Titanium	47-1	557.72	567.03	561.45	562.06	0.83	ppb
Uranium	238-1	0.83	0.84	0.85	0.84	1.53	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-09	Instrumnet Name :	P8
Client Sample ID :	MYD5R8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:49:48	DataFile Name :	074AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	193.87	193.35	194.87	194.03	0.40	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				95		%
Yttrium	89-2				88		%
Zinc	66-2	208.11	208.06	207.55	207.91	0.15	ppb
Zirconium	90-1	6.30	6.39	6.67	6.45	2.95	ppb
Zirconium	91-1	6.42	6.58	6.70	6.57	2.17	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV009	Instrumnet Name :	P8
Client Sample ID :	CCV009	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:52:56	DataFile Name :	075CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47531.50	47433.87	49076.26	48013.88	1.92	ppb
Antimony	121-1	479.54	473.62	478.70	477.29	0.67	ppb
Arsenic	75-2	504.04	494.99	499.37	499.47	0.91	ppb
Barium	135-1	2519.30	2474.19	2488.54	2494.01	0.92	ppb
Barium	137-1	2492.24	2464.55	2510.91	2489.23	0.94	ppb
Beryllium	9-1	494.43	494.37	491.45	493.42	0.35	ppb
Bismuth	209-1				77		%
Bismuth	209-2				74		%
Bromine	81-1						cps
Cadmium	108-1	492.25	484.25	494.58	490.36	1.11	ppb
Cadmium	106-1	492.69	482.84	492.00	489.18	1.12	ppb
Cadmium	111-1	489.84	481.47	486.44	485.92	0.87	ppb
Calcium	43-1	248650.60	252913.51	251081.16	250881.76	0.85	ppb
Calcium	44-1	249468.36	250573.16	255032.90	251691.47	1.17	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	503.76	495.37	506.52	501.89	1.16	ppb
Cobalt	59-2	508.53	502.59	505.62	505.58	0.59	ppb
Copper	63-2	5008.04	4942.01	4976.46	4975.50	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				89		%
Holmium	165-2				86		%
Indium	115-1				81		%
Indium	115-2				80		%
Iron	54-2	129404.26	129173.89	131564.36	130047.51	1.01	ppb
Iron	56-2	131645.28	129674.83	129923.77	130414.63	0.82	ppb
Iron	57-2	131157.01	131917.38	129605.25	130893.21	0.90	ppb
Krypton	83-1						cps
Lead	206-1	2539.37	2612.70	2591.70	2581.26	1.46	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV009	Instrumnet Name :	P8
Client Sample ID :	CCV009	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:52:56	DataFile Name :	075CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2533.31	2597.93	2549.88	2560.37	1.31	ppb
Lead	208-1	2534.22	2587.51	2580.00	2567.24	1.12	ppb
Lithium	6-1				75		%
Magnesium	24-2	247507.71	245890.17	248214.89	247204.26	0.48	ppb
Manganese	55-2	5217.74	5195.38	5309.22	5240.78	1.15	ppb
Molybdenum	94-1	4920.40	4882.59	5056.05	4953.01	1.84	ppb
Molybdenum	95-1	4964.69	4906.87	5090.33	4987.30	1.88	ppb
Molybdenum	96-1	4950.31	4986.87	5035.25	4990.81	0.85	ppb
Molybdenum	97-1	4984.40	4971.60	5004.13	4986.71	0.33	ppb
Molybdenum	98-1	4977.07	4935.12	5093.38	5001.85	1.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	502.79	502.94	497.80	501.18	0.58	ppb
Phosphorus	31-2	9564.95	9539.11	9638.57	9580.87	0.54	ppb
Potassium	39-2	121037.30	120739.83	121567.06	121114.73	0.35	ppb
Rhodium	103-1				73		%
Rhodium	103-2				72		%
Scandium	45-1				82		%
Scandium	45-2				78		%
Selenium	82-1	493.43	493.68	503.18	496.76	1.12	ppb
Selenium	77-2	493.58	468.64	510.85	491.03	4.32	ppb
Selenium	78-2	493.40	488.10	490.69	490.73	0.54	ppb
Silicon	28-1	608.66	612.01	614.69	611.79	0.49	ppb
Silver	107-1	455.81	445.73	456.48	452.67	1.33	ppb
Silver	109-1	450.73	451.48	460.50	454.24	1.20	ppb
Sodium	23-2	252970.93	252425.83	252378.64	252591.80	0.13	ppb
Strontium	86-1	12592.51	12566.19	12806.00	12654.90	1.04	ppb
Strontium	88-1	12446.83	12306.33	12584.18	12445.78	1.12	ppb
Sulfur	34-1	10046.89	9890.06	10156.82	10031.26	1.34	ppb
Terbium	159-1				88		%
Terbium	159-2				86		%
Thallium	203-1	498.85	513.22	513.66	508.58	1.66	ppb
Thallium	205-1	506.85	519.57	522.11	516.18	1.58	ppb
Tin	118-1	486.67	480.66	485.95	484.43	0.68	ppb
Titanium	47-1	4942.15	4973.05	5099.36	5004.85	1.66	ppb
Uranium	238-1	528.16	528.57	527.99	528.24	0.06	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV009	Instrumnet Name :	P8
Client Sample ID :	CCV009	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:52:56	DataFile Name :	075CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	503.71	510.33	505.53	506.53	0.68	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				85		%
Yttrium	89-2				83		%
Zinc	66-2	5093.82	5017.22	5103.04	5071.36	0.93	ppb
Zirconium	90-1	506.37	501.15	505.87	504.46	0.57	ppb
Zirconium	91-1	503.94	493.25	511.51	502.90	1.82	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB009	Instrumnet Name :	P8
Client Sample ID :	CCB009	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:55:50	DataFile Name :	076CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.40	0.18	0.47	0.35	43.50	ppb
Antimony	121-1	0.15	0.20	0.28	0.21	31.20	ppb
Arsenic	75-2	0.01	0.02	0.05	0.03	70.45	ppb
Barium	135-1	0.09	0.06	0.07	0.07	18.56	ppb
Barium	137-1	0.10	0.08	0.06	0.08	22.36	ppb
Beryllium	9-1	0.08	0.06	0.07	0.07	14.24	ppb
Bismuth	209-1				98		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	0.01	0.01	0.00	0.01	68.07	ppb
Cadmium	106-1	-3.96	-3.73	-3.23	-3.64		ppb
Cadmium	111-1	-0.30	-0.29	-0.25	-0.28		ppb
Calcium	43-1	6.42	2.38	1.72	3.51	72.65	ppb
Calcium	44-1	4.62	2.18	0.02	2.27	101.21	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	0.01	78.23	ppb
Cobalt	59-2	0.02	0.02	0.02	0.02	10.51	ppb
Copper	63-2	0.01	0.02	0.02	0.02	18.98	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				97		%
Indium	115-1				95		%
Indium	115-2				94		%
Iron	54-2	3.15	2.62	3.26	3.01	11.44	ppb
Iron	56-2	3.85	2.90	2.51	3.09	22.29	ppb
Iron	57-2	3.01	3.33	3.19	3.17	5.05	ppb
Krypton	83-1						cps
Lead	206-1	0.15	0.12	0.10	0.12	21.25	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB009	Instrumnet Name :	P8
Client Sample ID :	CCB009	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:55:50	DataFile Name :	076CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.14	0.13	0.10	0.12	18.56	ppb
Lead	208-1	0.15	0.12	0.12	0.13	12.86	ppb
Lithium	6-1				79		%
Magnesium	24-2	2.50	2.79	2.12	2.47	13.48	ppb
Manganese	55-2	0.34	0.36	0.30	0.33	8.56	ppb
Molybdenum	94-1	0.33	0.24	0.30	0.29	15.94	ppb
Molybdenum	95-1	0.24	0.20	0.25	0.23	10.03	ppb
Molybdenum	96-1	0.23	0.19	0.20	0.21	9.49	ppb
Molybdenum	97-1	0.22	0.18	0.20	0.20	7.86	ppb
Molybdenum	98-1	0.20	0.23	0.19	0.21	9.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	0.01	-0.01	-0.01		ppb
Phosphorus	31-2	-21.09	-27.73	-27.19	-25.34		ppb
Potassium	39-2	1.50	0.35	1.48	1.11	59.38	ppb
Rhodium	103-1				90		%
Rhodium	103-2				90		%
Scandium	45-1				89		%
Scandium	45-2				82		%
Selenium	82-1	0.08	0.00	-0.21	-0.04		ppb
Selenium	77-2	-0.09	0.21	-0.09	0.01	1657.19	ppb
Selenium	78-2	-0.03	-0.48	-0.21	-0.24		ppb
Silicon	28-1	-1.21	-1.23	-1.39	-1.28		ppb
Silver	107-1	0.18	0.02	0.02	0.07	129.60	ppb
Silver	109-1	0.03	0.03	0.02	0.02	22.41	ppb
Sodium	23-2	16.57	15.48	14.22	15.42	7.64	ppb
Strontium	86-1	0.36	0.22	0.14	0.24	45.96	ppb
Strontium	88-1	0.35	0.26	0.19	0.27	29.43	ppb
Sulfur	34-1	-547.65	-498.46	-501.91	-516.01		ppb
Terbium	159-1				97		%
Terbium	159-2				97		%
Thallium	203-1	0.07	0.06	0.05	0.06	14.11	ppb
Thallium	205-1	0.08	0.06	0.06	0.06	15.41	ppb
Tin	118-1	0.04	0.03	0.03	0.03	17.91	ppb
Titanium	47-1	0.11	0.06	0.02	0.06	74.75	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	20.74	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB009	Instrumnet Name :	P8
Client Sample ID :	CCB009	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:55:50	DataFile Name :	076CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.01	0.01	0.00	0.01	47.08	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	-0.05	-0.01	0.05	0.00		ppb
Zirconium	90-1	0.07	0.06	0.06	0.06	8.85	ppb
Zirconium	91-1	0.07	0.06	0.07	0.07	7.08	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-10	Instrumnet Name :	P8
Client Sample ID :	MYD5R9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:59:07	DataFile Name :	077AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	62281.36	60826.26	62612.16	61906.59	1.53	ppb
Antimony	121-1	0.77	0.81	0.82	0.80	3.17	ppb
Arsenic	75-2	167.73	169.31	169.26	168.77	0.53	ppb
Barium	135-1	733.33	736.61	745.17	738.37	0.83	ppb
Barium	137-1	735.85	742.42	751.43	743.23	1.05	ppb
Beryllium	9-1	2.26	2.26	2.21	2.24	1.32	ppb
Bismuth	209-1				92		%
Bismuth	209-2				86		%
Bromine	81-1						cps
Cadmium	108-1	2.77	2.57	2.84	2.73	5.17	ppb
Cadmium	106-1	3.05	3.50	2.75	3.10	12.04	ppb
Cadmium	111-1	0.88	0.93	0.90	0.90	2.41	ppb
Calcium	43-1	12475.15	12161.75	12158.59	12265.16	1.48	ppb
Calcium	44-1	12325.02	12154.29	12128.67	12202.66	0.87	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	124.04	123.33	124.57	123.98	0.50	ppb
Cobalt	59-2	63.46	63.53	64.24	63.74	0.68	ppb
Copper	63-2	188.26	184.48	185.69	186.15	1.04	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				93		%
Indium	115-1				92		%
Indium	115-2				87		%
Iron	54-2	138941.84	137706.74	138877.16	138508.58	0.50	ppb
Iron	56-2	139033.65	136732.17	140823.02	138862.95	1.48	ppb
Iron	57-2	139463.57	139202.16	140430.24	139698.66	0.46	ppb
Krypton	83-1						cps
Lead	206-1	32.48	32.87	32.98	32.78	0.80	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-10	Instrumnet Name :	P8
Client Sample ID :	MYD5R9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:59:07	DataFile Name :	077AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	31.88	31.95	32.25	32.03	0.62	ppb
Lead	208-1	32.84	32.72	32.85	32.80	0.23	ppb
Lithium	6-1				83		%
Magnesium	24-2	36153.01	36084.47	36222.23	36153.24	0.19	ppb
Manganese	55-2	2997.16	2967.48	2997.02	2987.22	0.57	ppb
Molybdenum	94-1	18.68	18.67	18.52	18.62	0.48	ppb
Molybdenum	95-1	1.12	1.08	1.11	1.10	1.59	ppb
Molybdenum	96-1	3.36	3.37	3.28	3.34	1.47	ppb
Molybdenum	97-1	1.12	1.09	1.10	1.10	1.21	ppb
Molybdenum	98-1	1.06	1.11	1.04	1.07	3.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	114.50	114.52	114.53	114.52	0.01	ppb
Phosphorus	31-2	1345.72	1327.40	1345.51	1339.54	0.78	ppb
Potassium	39-2	9424.18	9300.08	9489.60	9404.62	1.02	ppb
Rhodium	103-1				87		%
Rhodium	103-2				84		%
Scandium	45-1				97		%
Scandium	45-2				89		%
Selenium	82-1	1.20	1.36	1.35	1.30	7.15	ppb
Selenium	77-2	50.47	54.67	45.95	50.36	8.66	ppb
Selenium	78-2	11.53	9.96	11.88	11.12	9.24	ppb
Silicon	28-1	1698.53	1689.66	1714.91	1701.03	0.75	ppb
Silver	107-1	0.47	0.48	0.47	0.47	1.71	ppb
Silver	109-1	0.22	0.21	0.22	0.22	1.33	ppb
Sodium	23-2	845.01	840.77	843.91	843.23	0.26	ppb
Strontium	86-1	148.43	148.12	149.23	148.59	0.38	ppb
Strontium	88-1	144.00	148.49	143.90	145.47	1.80	ppb
Sulfur	34-1	-57.82	-145.48	-71.68	-91.66		ppb
Terbium	159-1				98		%
Terbium	159-2				93		%
Thallium	203-1	0.48	0.44	0.43	0.45	6.22	ppb
Thallium	205-1	0.48	0.47	0.45	0.47	3.17	ppb
Tin	118-1	2.63	2.72	2.73	2.69	2.13	ppb
Titanium	47-1	818.22	815.06	823.99	819.09	0.55	ppb
Uranium	238-1	1.37	1.36	1.38	1.37	0.84	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-10	Instrumnet Name :	P8
Client Sample ID :	MYD5R9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:59:07	DataFile Name :	077AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	326.96	323.64	326.93	325.84	0.59	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				95		%
Zinc	66-2	216.81	216.11	216.85	216.59	0.19	ppb
Zirconium	90-1	9.99	10.20	10.10	10.09	1.02	ppb
Zirconium	91-1	10.21	10.29	10.12	10.21	0.84	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-11	Instrumnet Name :	P8
Client Sample ID :	MYD5S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:02:13	DataFile Name :	078AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	44307.60	44103.70	43932.09	44114.46	0.43	ppb
Antimony	121-1	1.42	1.41	1.43	1.42	0.56	ppb
Arsenic	75-2	111.97	112.52	111.67	112.05	0.39	ppb
Barium	135-1	1467.20	1467.96	1451.86	1462.34	0.62	ppb
Barium	137-1	1479.85	1493.98	1469.68	1481.17	0.82	ppb
Beryllium	9-1	1.71	1.67	1.68	1.69	1.37	ppb
Bismuth	209-1				92		%
Bismuth	209-2				87		%
Bromine	81-1						cps
Cadmium	108-1	2.24	2.42	2.53	2.40	6.05	ppb
Cadmium	106-1	2.75	1.72	0.04	1.50	91.22	ppb
Cadmium	111-1	1.34	1.26	1.11	1.24	9.33	ppb
Calcium	43-1	10416.67	10266.40	10180.15	10287.74	1.16	ppb
Calcium	44-1	10825.02	10603.35	10464.84	10631.07	1.71	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	96.69	95.80	96.50	96.33	0.48	ppb
Cobalt	59-2	67.22	67.21	67.37	67.27	0.14	ppb
Copper	63-2	214.59	217.85	215.03	215.83	0.82	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				93		%
Indium	115-1				93		%
Indium	115-2				87		%
Iron	54-2	132829.02	130905.97	132552.39	132095.79	0.79	ppb
Iron	56-2	132621.46	133659.04	133200.85	133160.45	0.39	ppb
Iron	57-2	133570.14	132015.58	134965.50	133517.07	1.11	ppb
Krypton	83-1						cps
Lead	206-1	86.07	85.94	85.90	85.97	0.10	ppb

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-11	Instrumnet Name :	P8
Client Sample ID :	MYD5S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:02:13	DataFile Name :	078AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	87.97	87.14	85.83	86.98	1.24	ppb
Lead	208-1	86.87	84.75	85.55	85.72	1.25	ppb
Lithium	6-1				83		%
Magnesium	24-2	28854.43	28207.94	28234.70	28432.36	1.29	ppb
Manganese	55-2	9792.36	9831.80	9855.35	9826.50	0.32	ppb
Molybdenum	94-1	14.90	15.27	15.39	15.19	1.68	ppb
Molybdenum	95-1	1.27	1.30	1.32	1.30	1.94	ppb
Molybdenum	96-1	3.03	3.11	3.08	3.07	1.39	ppb
Molybdenum	97-1	1.25	1.23	1.29	1.26	2.05	ppb
Molybdenum	98-1	1.19	1.25	1.22	1.22	2.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	91.24	91.22	91.53	91.33	0.19	ppb
Phosphorus	31-2	1208.42	1224.74	1178.65	1203.94	1.94	ppb
Potassium	39-2	7496.34	7431.26	7418.82	7448.81	0.56	ppb
Rhodium	103-1				86		%
Rhodium	103-2				83		%
Scandium	45-1				93		%
Scandium	45-2				84		%
Selenium	82-1	0.55	0.88	0.96	0.80	26.91	ppb
Selenium	77-2	37.35	37.65	37.80	37.60	0.60	ppb
Selenium	78-2	9.12	9.10	9.26	9.16	0.94	ppb
Silicon	28-1	1662.02	1660.12	1640.54	1654.23	0.72	ppb
Silver	107-1	0.44	0.44	0.44	0.44	0.57	ppb
Silver	109-1	0.29	0.29	0.30	0.29	1.50	ppb
Sodium	23-2	146.33	144.93	142.61	144.62	1.30	ppb
Strontium	86-1	84.96	86.34	86.06	85.79	0.85	ppb
Strontium	88-1	87.55	88.86	88.03	88.15	0.75	ppb
Sulfur	34-1	-315.90	-399.69	-436.46	-384.02		ppb
Terbium	159-1				98		%
Terbium	159-2				93		%
Thallium	203-1	0.45	0.43	0.44	0.44	2.03	ppb
Thallium	205-1	0.46	0.45	0.47	0.46	2.15	ppb
Tin	118-1	2.90	2.89	2.90	2.90	0.19	ppb
Titanium	47-1	743.10	749.36	742.18	744.88	0.52	ppb
Uranium	238-1	1.00	0.97	0.98	0.98	1.34	ppb

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On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-11	Instrumnet Name :	P8
Client Sample ID :	MYD5S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:02:13	DataFile Name :	078AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	257.02	253.88	249.25	253.38	1.54	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				92		%
Zinc	66-2	295.10	294.21	294.82	294.71	0.15	ppb
Zirconium	90-1	7.95	8.15	8.13	8.07	1.39	ppb
Zirconium	91-1	7.99	8.12	8.25	8.12	1.61	ppb

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On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-12	Instrumnet Name :	P8
Client Sample ID :	MYD5S1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:05:17	DataFile Name :	079AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	54403.02	53462.35	54439.64	54101.67	1.02	ppb
Antimony	121-1	0.93	0.94	0.98	0.95	3.14	ppb
Arsenic	75-2	141.52	143.23	143.40	142.72	0.73	ppb
Barium	135-1	596.09	610.46	611.93	606.16	1.44	ppb
Barium	137-1	590.94	603.10	613.85	602.63	1.90	ppb
Beryllium	9-1	1.84	1.88	1.90	1.88	1.67	ppb
Bismuth	209-1				92		%
Bismuth	209-2				86		%
Bromine	81-1						cps
Cadmium	108-1	1.78	1.56	1.70	1.68	6.58	ppb
Cadmium	106-1	0.54	-1.26	0.27	-0.15		ppb
Cadmium	111-1	1.03	0.89	0.98	0.97	7.09	ppb
Calcium	43-1	14149.70	14496.17	14161.94	14269.27	1.38	ppb
Calcium	44-1	14325.85	14518.80	14386.49	14410.38	0.68	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	119.58	119.24	119.92	119.58	0.29	ppb
Cobalt	59-2	62.75	62.63	63.15	62.84	0.43	ppb
Copper	63-2	234.23	234.65	235.85	234.91	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				92		%
Indium	115-1				91		%
Indium	115-2				85		%
Iron	54-2	130282.06	127232.69	128614.14	128709.63	1.19	ppb
Iron	56-2	127441.93	128521.01	127332.63	127765.19	0.51	ppb
Iron	57-2	129970.34	128957.18	129658.92	129528.81	0.40	ppb
Krypton	83-1						cps
Lead	206-1	54.88	55.51	55.95	55.44	0.97	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-12	Instrumnet Name :	P8
Client Sample ID :	MYD5S1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:05:17	DataFile Name :	079AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	54.13	55.15	54.51	54.59	0.94	ppb
Lead	208-1	55.03	56.20	55.97	55.73	1.11	ppb
Lithium	6-1				81		%
Magnesium	24-2	34928.85	34942.63	35351.45	35074.31	0.68	ppb
Manganese	55-2	2928.83	2968.12	2954.59	2950.51	0.68	ppb
Molybdenum	94-1	8.31	8.61	8.68	8.53	2.25	ppb
Molybdenum	95-1	1.24	1.30	1.29	1.28	2.57	ppb
Molybdenum	96-1	2.35	2.40	2.43	2.39	1.69	ppb
Molybdenum	97-1	1.23	1.30	1.28	1.27	2.96	ppb
Molybdenum	98-1	1.25	1.25	1.28	1.26	1.30	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	114.12	113.39	114.22	113.91	0.40	ppb
Phosphorus	31-2	2338.68	2292.68	2339.81	2323.73	1.16	ppb
Potassium	39-2	10140.14	10132.18	10049.67	10107.33	0.50	ppb
Rhodium	103-1				85		%
Rhodium	103-2				82		%
Scandium	45-1				94		%
Scandium	45-2				84		%
Selenium	82-1	1.23	1.01	1.20	1.15	10.62	ppb
Selenium	77-2	45.01	43.33	47.37	45.24	4.49	ppb
Selenium	78-2	11.64	12.10	10.73	11.49	6.04	ppb
Silicon	28-1	1574.81	1624.74	1587.92	1595.82	1.62	ppb
Silver	107-1	0.45	0.46	0.46	0.46	0.41	ppb
Silver	109-1	0.30	0.29	0.30	0.30	2.99	ppb
Sodium	23-2	338.82	335.23	338.19	337.42	0.57	ppb
Strontium	86-1	97.41	99.41	98.94	98.59	1.06	ppb
Strontium	88-1	100.11	102.06	101.31	101.16	0.97	ppb
Sulfur	34-1	-202.59	-139.54	-155.23	-165.79		ppb
Terbium	159-1				97		%
Terbium	159-2				92		%
Thallium	203-1	0.45	0.44	0.45	0.44	0.70	ppb
Thallium	205-1	0.46	0.46	0.46	0.46	0.76	ppb
Tin	118-1	2.94	2.98	3.04	2.99	1.67	ppb
Titanium	47-1	773.58	793.12	783.76	783.48	1.25	ppb
Uranium	238-1	1.22	1.25	1.25	1.24	1.71	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-12	Instrumnet Name :	P8
Client Sample ID :	MYD5S1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:05:17	DataFile Name :	079AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	283.86	286.09	288.98	286.31	0.90	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				90		%
Zinc	66-2	303.87	300.68	307.71	304.09	1.16	ppb
Zirconium	90-1	4.13	4.30	4.30	4.24	2.29	ppb
Zirconium	91-1	4.25	4.47	4.39	4.37	2.56	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-13	Instrumnet Name :	P8
Client Sample ID :	MYD5S2	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:08:23	DataFile Name :	080AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	65418.94	64863.05	64571.83	64951.27	0.66	ppb
Antimony	121-1	0.58	0.62	0.61	0.60	3.03	ppb
Arsenic	75-2	162.30	158.03	163.29	161.20	1.74	ppb
Barium	135-1	692.66	681.80	693.18	689.21	0.93	ppb
Barium	137-1	692.25	688.64	694.55	691.81	0.43	ppb
Beryllium	9-1	2.36	2.32	2.32	2.33	1.07	ppb
Bismuth	209-1				89		%
Bismuth	209-2				84		%
Bromine	81-1						cps
Cadmium	108-1	2.49	2.40	2.36	2.42	2.77	ppb
Cadmium	106-1	1.89	1.94	1.09	1.64	29.00	ppb
Cadmium	111-1	0.68	0.68	0.64	0.67	3.76	ppb
Calcium	43-1	17152.64	16180.79	16638.90	16657.44	2.92	ppb
Calcium	44-1	16978.12	16588.68	16888.65	16818.48	1.21	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	135.43	136.13	135.25	135.60	0.34	ppb
Cobalt	59-2	67.44	67.69	67.81	67.64	0.28	ppb
Copper	63-2	179.41	180.03	183.35	180.93	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				96		%
Holmium	165-2				90		%
Indium	115-1				89		%
Indium	115-2				84		%
Iron	54-2	131172.88	132205.64	129606.82	130995.11	1.00	ppb
Iron	56-2	132215.83	133738.68	133320.79	133091.77	0.59	ppb
Iron	57-2	132304.86	133178.05	132649.96	132710.96	0.33	ppb
Krypton	83-1						cps
Lead	206-1	27.97	28.05	28.03	28.02	0.16	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-13	Instrumnet Name :	P8
Client Sample ID :	MYD5S2	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:08:23	DataFile Name :	080AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	26.99	26.93	26.84	26.92	0.26	ppb
Lead	208-1	27.40	27.18	27.41	27.33	0.47	ppb
Lithium	6-1				79		%
Magnesium	24-2	39624.46	39479.55	39470.53	39524.85	0.22	ppb
Manganese	55-2	3264.76	3217.82	3275.93	3252.84	0.95	ppb
Molybdenum	94-1	18.19	18.32	18.61	18.37	1.18	ppb
Molybdenum	95-1	0.91	0.91	0.92	0.91	0.65	ppb
Molybdenum	96-1	3.08	3.12	3.10	3.10	0.66	ppb
Molybdenum	97-1	0.91	0.91	0.92	0.91	0.67	ppb
Molybdenum	98-1	0.89	0.89	0.90	0.89	0.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	122.32	122.94	123.09	122.78	0.33	ppb
Phosphorus	31-2	1371.02	1373.43	1373.54	1372.66	0.10	ppb
Potassium	39-2	6237.44	6173.66	6344.46	6251.85	1.38	ppb
Rhodium	103-1				83		%
Rhodium	103-2				81		%
Scandium	45-1				94		%
Scandium	45-2				84		%
Selenium	82-1	0.90	0.95	1.11	0.99	11.04	ppb
Selenium	77-2	56.05	58.09	50.02	54.72	7.66	ppb
Selenium	78-2	13.68	14.55	13.19	13.81	4.99	ppb
Silicon	28-1	1892.55	1888.43	1920.46	1900.48	0.92	ppb
Silver	107-1	0.43	0.43	0.42	0.42	0.70	ppb
Silver	109-1	0.14	0.14	0.14	0.14	3.32	ppb
Sodium	23-2	291.15	289.01	288.83	289.66	0.45	ppb
Strontium	86-1	157.42	159.96	159.73	159.03	0.88	ppb
Strontium	88-1	158.72	156.16	156.15	157.01	0.94	ppb
Sulfur	34-1	-687.29	-737.10	-739.95	-721.45		ppb
Terbium	159-1				95		%
Terbium	159-2				90		%
Thallium	203-1	0.41	0.41	0.42	0.42	0.94	ppb
Thallium	205-1	0.43	0.42	0.43	0.43	0.44	ppb
Tin	118-1	3.04	3.09	3.08	3.07	0.95	ppb
Titanium	47-1	840.68	827.83	839.07	835.86	0.84	ppb
Uranium	238-1	1.60	1.59	1.59	1.59	0.20	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-13	Instrumnet Name :	P8
Client Sample ID :	MYD5S2	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:08:23	DataFile Name :	080AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	305.73	304.05	302.47	304.08	0.53	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				91		%
Zinc	66-2	206.31	207.94	208.95	207.73	0.64	ppb
Zirconium	90-1	9.89	9.87	10.02	9.92	0.82	ppb
Zirconium	91-1	9.95	10.04	10.12	10.04	0.89	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-14	Instrumnet Name :	P8
Client Sample ID :	MYD5S3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:11:28	DataFile Name :	081AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51301.24	50018.24	49979.13	50432.87	1.49	ppb
Antimony	121-1	0.93	0.97	0.98	0.96	2.77	ppb
Arsenic	75-2	123.96	126.49	123.08	124.51	1.42	ppb
Barium	135-1	895.16	887.04	893.48	891.89	0.48	ppb
Barium	137-1	897.54	898.70	905.56	900.60	0.48	ppb
Beryllium	9-1	1.99	1.95	1.95	1.96	0.97	ppb
Bismuth	209-1				91		%
Bismuth	209-2				86		%
Bromine	81-1						cps
Cadmium	108-1	2.69	3.26	3.05	3.00	9.57	ppb
Cadmium	106-1	2.57	1.10	2.09	1.92	39.13	ppb
Cadmium	111-1	1.42	1.28	1.40	1.37	5.52	ppb
Calcium	43-1	55209.13	55471.73	57908.05	56196.31	2.65	ppb
Calcium	44-1	56038.86	56975.86	57017.83	56677.52	0.98	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	116.24	115.73	115.12	115.70	0.48	ppb
Cobalt	59-2	62.29	62.14	62.29	62.24	0.14	ppb
Copper	63-2	243.64	244.10	244.86	244.20	0.25	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				92		%
Indium	115-1				90		%
Indium	115-2				85		%
Iron	54-2	122195.71	121068.64	120462.83	121242.39	0.73	ppb
Iron	56-2	122237.75	120129.80	122862.94	121743.50	1.18	ppb
Iron	57-2	121188.04	121959.67	123220.65	122122.79	0.84	ppb
Krypton	83-1						cps
Lead	206-1	70.17	69.62	71.84	70.55	1.64	ppb

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-14	Instrumnet Name :	P8
Client Sample ID :	MYD5S3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:11:28	DataFile Name :	081AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	68.16	67.83	69.16	68.38	1.02	ppb
Lead	208-1	69.82	69.55	70.53	69.97	0.73	ppb
Lithium	6-1				79		%
Magnesium	24-2	34694.62	33969.32	34139.42	34267.79	1.11	ppb
Manganese	55-2	5689.54	5588.10	5590.03	5622.56	1.03	ppb
Molybdenum	94-1	19.51	19.78	19.42	19.57	0.96	ppb
Molybdenum	95-1	0.99	1.03	0.98	1.00	2.34	ppb
Molybdenum	96-1	3.23	3.30	3.24	3.26	1.21	ppb
Molybdenum	97-1	0.94	0.97	0.95	0.96	1.47	ppb
Molybdenum	98-1	0.94	0.97	0.95	0.95	1.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	105.58	103.47	104.24	104.43	1.02	ppb
Phosphorus	31-2	1902.13	1921.61	1943.67	1922.47	1.08	ppb
Potassium	39-2	10769.62	10792.01	10913.30	10824.98	0.71	ppb
Rhodium	103-1				84		%
Rhodium	103-2				81		%
Scandium	45-1				91		%
Scandium	45-2				83		%
Selenium	82-1	0.67	0.99	1.35	1.01	33.91	ppb
Selenium	77-2	47.87	52.03	40.53	46.81	12.44	ppb
Selenium	78-2	10.18	9.92	10.21	10.10	1.60	ppb
Silicon	28-1	1511.94	1509.63	1520.65	1514.07	0.38	ppb
Silver	107-1	0.74	0.74	0.76	0.75	1.86	ppb
Silver	109-1	0.58	0.59	0.59	0.58	1.33	ppb
Sodium	23-2	141.09	139.18	141.14	140.47	0.80	ppb
Strontium	86-1	101.84	103.73	101.61	102.40	1.13	ppb
Strontium	88-1	104.28	106.16	104.67	105.04	0.94	ppb
Sulfur	34-1	-158.87	-133.84	-44.17	-112.29		ppb
Terbium	159-1				97		%
Terbium	159-2				92		%
Thallium	203-1	0.52	0.51	0.52	0.52	0.88	ppb
Thallium	205-1	0.53	0.52	0.54	0.53	1.86	ppb
Tin	118-1	3.04	3.05	3.11	3.07	1.23	ppb
Titanium	47-1	714.80	713.61	716.66	715.03	0.21	ppb
Uranium	238-1	1.05	1.04	1.07	1.06	1.56	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-14	Instrumnet Name :	P8
Client Sample ID :	MYD5S3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:11:28	DataFile Name :	081AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	228.84	226.93	227.16	227.64	0.46	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				90		%
Zinc	66-2	296.36	292.98	293.53	294.29	0.62	ppb
Zirconium	90-1	10.70	10.81	10.65	10.72	0.74	ppb
Zirconium	91-1	10.69	11.02	10.68	10.80	1.81	ppb

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-15	Instrumnet Name :	P8
Client Sample ID :	MYD5S4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:14:34	DataFile Name :	082AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47476.95	48269.51	47874.83	47873.77	0.83	ppb
Antimony	121-1	1.12	1.13	1.13	1.13	0.32	ppb
Arsenic	75-2	114.91	115.32	114.84	115.02	0.23	ppb
Barium	135-1	1132.99	1129.22	1142.61	1134.94	0.61	ppb
Barium	137-1	1160.98	1137.86	1140.54	1146.46	1.10	ppb
Beryllium	9-1	1.65	1.61	1.58	1.61	2.06	ppb
Bismuth	209-1				91		%
Bismuth	209-2				86		%
Bromine	81-1						cps
Cadmium	108-1	2.43	2.36	2.53	2.44	3.52	ppb
Cadmium	106-1	1.20	0.30	0.23	0.58	93.21	ppb
Cadmium	111-1	1.30	1.24	1.24	1.26	2.58	ppb
Calcium	43-1	12338.03	12483.32	12293.62	12371.66	0.80	ppb
Calcium	44-1	12420.85	12616.01	12304.73	12447.19	1.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	102.09	102.03	102.27	102.13	0.12	ppb
Cobalt	59-2	68.78	68.59	69.18	68.85	0.44	ppb
Copper	63-2	244.45	244.44	245.39	244.76	0.22	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				91		%
Indium	115-1				90		%
Indium	115-2				84		%
Iron	54-2	133313.24	132596.41	132429.90	132779.85	0.35	ppb
Iron	56-2	132388.43	133914.78	132043.79	132782.33	0.75	ppb
Iron	57-2	133334.42	132676.02	132484.22	132831.55	0.34	ppb
Krypton	83-1						cps
Lead	206-1	75.15	75.00	75.74	75.30	0.52	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-15	Instrumnet Name :	P8
Client Sample ID :	MYD5S4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:14:34	DataFile Name :	082AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	73.46	75.77	75.83	75.02	1.80	ppb
Lead	208-1	74.46	75.34	75.60	75.13	0.79	ppb
Lithium	6-1				79		%
Magnesium	24-2	32969.62	33343.53	33057.65	33123.60	0.59	ppb
Manganese	55-2	6985.55	6980.26	6966.60	6977.47	0.14	ppb
Molybdenum	94-1	14.61	14.29	14.54	14.48	1.15	ppb
Molybdenum	95-1	1.09	1.10	1.12	1.10	1.64	ppb
Molybdenum	96-1	2.81	2.80	2.93	2.85	2.53	ppb
Molybdenum	97-1	1.05	1.06	1.08	1.06	1.29	ppb
Molybdenum	98-1	1.03	1.00	1.03	1.02	1.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	101.38	100.55	100.76	100.89	0.43	ppb
Phosphorus	31-2	1417.96	1343.64	1434.60	1398.73	3.46	ppb
Potassium	39-2	7955.92	8174.88	7925.00	8018.60	1.70	ppb
Rhodium	103-1				84		%
Rhodium	103-2				81		%
Scandium	45-1				91		%
Scandium	45-2				81		%
Selenium	82-1	1.05	1.19	0.67	0.97	27.70	ppb
Selenium	77-2	33.14	42.65	34.12	36.64	14.27	ppb
Selenium	78-2	8.54	9.16	8.65	8.78	3.79	ppb
Silicon	28-1	1667.43	1674.33	1674.14	1671.97	0.24	ppb
Silver	107-1	0.44	0.44	0.43	0.44	1.77	ppb
Silver	109-1	0.31	0.31	0.31	0.31	0.58	ppb
Sodium	23-2	121.88	120.98	119.71	120.86	0.90	ppb
Strontium	86-1	73.09	73.24	73.77	73.37	0.49	ppb
Strontium	88-1	74.49	75.12	75.08	74.89	0.47	ppb
Sulfur	34-1	-320.91	-326.96	-355.93	-334.60		ppb
Terbium	159-1				95		%
Terbium	159-2				91		%
Thallium	203-1	0.39	0.39	0.40	0.40	1.71	ppb
Thallium	205-1	0.39	0.40	0.41	0.40	2.08	ppb
Tin	118-1	3.08	3.10	3.08	3.09	0.36	ppb
Titanium	47-1	788.13	804.92	790.29	794.45	1.15	ppb
Uranium	238-1	0.90	0.90	0.93	0.91	1.72	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-15	Instrumnet Name :	P8
Client Sample ID :	MYD5S4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:14:34	DataFile Name :	082AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	265.76	266.07	268.29	266.71	0.52	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				95		%
Yttrium	89-2				88		%
Zinc	66-2	336.82	337.60	337.67	337.37	0.14	ppb
Zirconium	90-1	7.68	7.79	7.77	7.75	0.80	ppb
Zirconium	91-1	7.79	7.80	7.83	7.81	0.29	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-16	Instrumnet Name :	P8
Client Sample ID :	MYD5S5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:17:37	DataFile Name :	083AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52960.98	52868.69	52995.76	52941.81	0.12	ppb
Antimony	121-1	0.69	0.69	0.71	0.70	1.90	ppb
Arsenic	75-2	133.91	131.94	135.32	133.72	1.27	ppb
Barium	135-1	662.97	660.86	652.72	658.85	0.82	ppb
Barium	137-1	672.06	658.67	660.75	663.83	1.09	ppb
Beryllium	9-1	1.90	1.91	1.92	1.91	0.48	ppb
Bismuth	209-1				91		%
Bismuth	209-2				86		%
Bromine	81-1						cps
Cadmium	108-1	3.36	2.89	3.12	3.12	7.61	ppb
Cadmium	106-1	3.22	1.60	3.02	2.61	33.85	ppb
Cadmium	111-1	1.20	1.09	1.21	1.17	5.66	ppb
Calcium	43-1	10525.45	10642.09	10709.67	10625.74	0.88	ppb
Calcium	44-1	10832.71	10959.37	10980.21	10924.10	0.73	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	119.79	120.85	120.42	120.35	0.44	ppb
Cobalt	59-2	58.56	58.79	59.56	58.97	0.88	ppb
Copper	63-2	207.19	211.99	213.20	210.79	1.51	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				92		%
Indium	115-1				90		%
Indium	115-2				84		%
Iron	54-2	121401.10	121948.97	121877.88	121742.65	0.24	ppb
Iron	56-2	121552.77	122602.68	122837.27	122330.91	0.56	ppb
Iron	57-2	122947.82	123144.29	123309.81	123133.97	0.15	ppb
Krypton	83-1						cps
Lead	206-1	51.94	50.48	50.86	51.09	1.48	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-16	Instrumnet Name :	P8
Client Sample ID :	MYD5S5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:17:37	DataFile Name :	083AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	51.42	50.30	50.74	50.82	1.10	ppb
Lead	208-1	51.54	51.48	50.92	51.31	0.67	ppb
Lithium	6-1				79		%
Magnesium	24-2	32903.87	33136.89	32956.60	32999.12	0.37	ppb
Manganese	55-2	3088.63	3115.96	3137.28	3113.96	0.78	ppb
Molybdenum	94-1	22.53	22.44	23.01	22.66	1.37	ppb
Molybdenum	95-1	0.70	0.71	0.75	0.72	3.30	ppb
Molybdenum	96-1	3.33	3.38	3.39	3.37	0.90	ppb
Molybdenum	97-1	0.74	0.69	0.72	0.72	4.05	ppb
Molybdenum	98-1	0.69	0.70	0.71	0.70	1.81	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	116.46	116.47	117.03	116.65	0.28	ppb
Phosphorus	31-2	1516.82	1495.95	1531.91	1514.89	1.19	ppb
Potassium	39-2	8227.04	8275.83	8301.03	8267.97	0.45	ppb
Rhodium	103-1				83		%
Rhodium	103-2				81		%
Scandium	45-1				92		%
Scandium	45-2				82		%
Selenium	82-1	1.02	0.95	0.53	0.83	31.88	ppb
Selenium	77-2	47.12	47.34	47.10	47.19	0.28	ppb
Selenium	78-2	11.07	10.06	11.88	11.00	8.26	ppb
Silicon	28-1	1827.02	1835.66	1876.19	1846.29	1.42	ppb
Silver	107-1	0.50	0.49	0.52	0.50	2.75	ppb
Silver	109-1	0.27	0.27	0.27	0.27	0.47	ppb
Sodium	23-2	117.90	117.21	117.98	117.70	0.36	ppb
Strontium	86-1	130.39	131.21	136.76	132.79	2.61	ppb
Strontium	88-1	132.55	134.23	137.57	134.79	1.90	ppb
Sulfur	34-1	-615.73	-611.73	-623.03	-616.83		ppb
Terbium	159-1				95		%
Terbium	159-2				92		%
Thallium	203-1	0.43	0.42	0.42	0.42	1.64	ppb
Thallium	205-1	0.44	0.43	0.42	0.43	1.98	ppb
Tin	118-1	2.88	2.83	2.86	2.86	0.96	ppb
Titanium	47-1	882.45	893.97	889.19	888.54	0.65	ppb
Uranium	238-1	1.18	1.16	1.16	1.16	1.36	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-16	Instrumnet Name :	P8
Client Sample ID :	MYD5S5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:17:37	DataFile Name :	083AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	264.58	263.44	269.32	265.78	1.17	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				96		%
Yttrium	89-2				89		%
Zinc	66-2	234.13	238.39	238.23	236.92	1.02	ppb
Zirconium	90-1	12.52	12.49	12.77	12.59	1.25	ppb
Zirconium	91-1	12.62	12.48	12.74	12.61	1.00	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-17	Instrumnet Name :	P8
Client Sample ID :	MYD5S6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:20:44	DataFile Name :	084AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21932.70	22173.65	21595.38	21900.58	1.33	ppb
Antimony	121-1	1.20	1.16	1.16	1.17	2.18	ppb
Arsenic	75-2	64.96	65.10	63.42	64.49	1.45	ppb
Barium	135-1	1311.07	1248.27	1237.11	1265.48	3.15	ppb
Barium	137-1	1310.02	1255.50	1249.28	1271.60	2.63	ppb
Beryllium	9-1	1.51	1.41	1.41	1.44	4.11	ppb
Bismuth	209-1				90		%
Bismuth	209-2				87		%
Bromine	81-1						cps
Cadmium	108-1	2.42	2.31	2.44	2.39	2.75	ppb
Cadmium	106-1	0.70	0.32	1.01	0.68	50.88	ppb
Cadmium	111-1	0.44	0.40	0.44	0.43	4.75	ppb
Calcium	43-1	57059.51	55010.03	53115.00	55061.51	3.58	ppb
Calcium	44-1	57474.40	54558.23	54532.59	55521.74	3.05	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	67.22	67.00	67.60	67.27	0.45	ppb
Cobalt	59-2	42.83	42.90	42.58	42.77	0.39	ppb
Copper	63-2	131.42	131.24	131.84	131.50	0.23	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				92		%
Indium	115-1				88		%
Indium	115-2				84		%
Iron	54-2	79617.22	79012.35	79912.62	79514.07	0.58	ppb
Iron	56-2	80123.46	80570.10	80520.42	80404.66	0.30	ppb
Iron	57-2	80481.77	80831.51	80738.31	80683.86	0.22	ppb
Krypton	83-1						cps
Lead	206-1	36.27	34.18	34.51	34.99	3.21	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-17	Instrumnet Name :	P8
Client Sample ID :	MYD5S6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:20:44	DataFile Name :	084AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	38.31	35.56	35.89	36.59	4.10	ppb
Lead	208-1	38.02	35.29	35.84	36.38	3.97	ppb
Lithium	6-1				75		%
Magnesium	24-2	28820.92	29101.99	28504.89	28809.27	1.04	ppb
Manganese	55-2	12027.89	11829.40	12174.17	12010.48	1.44	ppb
Molybdenum	94-1	23.20	21.66	21.38	22.08	4.46	ppb
Molybdenum	95-1	1.27	1.17	1.19	1.21	4.34	ppb
Molybdenum	96-1	3.63	3.51	3.49	3.54	2.16	ppb
Molybdenum	97-1	1.21	1.12	1.10	1.14	5.31	ppb
Molybdenum	98-1	1.20	1.11	1.13	1.14	4.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	95.62	96.11	94.97	95.57	0.60	ppb
Phosphorus	31-2	1731.99	1666.18	1642.50	1680.22	2.76	ppb
Potassium	39-2	2079.33	2078.46	2071.69	2076.49	0.20	ppb
Rhodium	103-1				83		%
Rhodium	103-2				81		%
Scandium	45-1				85		%
Scandium	45-2				77		%
Selenium	82-1	0.50	0.45	0.48	0.48	5.23	ppb
Selenium	77-2	25.48	21.69	26.45	24.54	10.26	ppb
Selenium	78-2	5.98	6.99	8.11	7.03	15.19	ppb
Silicon	28-1	1817.22	1726.76	1700.21	1748.06	3.51	ppb
Silver	107-1	0.46	0.44	0.44	0.45	2.23	ppb
Silver	109-1	0.11	0.10	0.11	0.11	4.07	ppb
Sodium	23-2	1118.73	1142.13	1123.12	1127.99	1.10	ppb
Strontium	86-1	202.19	190.79	186.23	193.07	4.26	ppb
Strontium	88-1	192.24	184.45	182.37	186.35	2.79	ppb
Sulfur	34-1	-300.40	-483.72	-535.82	-439.98		ppb
Terbium	159-1				94		%
Terbium	159-2				92		%
Thallium	203-1	0.30	0.26	0.27	0.28	7.42	ppb
Thallium	205-1	0.30	0.28	0.29	0.29	3.35	ppb
Tin	118-1	2.82	2.74	2.72	2.76	1.87	ppb
Titanium	47-1	1075.31	1021.88	1023.98	1040.39	2.91	ppb
Uranium	238-1	0.76	0.73	0.73	0.74	2.47	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-17	Instrumnet Name :	P8
Client Sample ID :	MYD5S6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:20:44	DataFile Name :	084AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	137.96	138.56	137.84	138.12	0.28	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				91		%
Yttrium	89-2				86		%
Zinc	66-2	150.14	148.06	149.87	149.36	0.76	ppb
Zirconium	90-1	12.56	11.93	11.74	12.08	3.53	ppb
Zirconium	91-1	12.55	11.92	11.80	12.09	3.34	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-18	Instrumnet Name :	P8
Client Sample ID :	MYD5S7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:23:49	DataFile Name :	085AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47842.53	46415.13	47142.93	47133.53	1.51	ppb
Antimony	121-1	1.80	1.79	1.78	1.79	0.56	ppb
Arsenic	75-2	143.43	139.10	140.88	141.14	1.54	ppb
Barium	135-1	631.17	629.03	626.81	629.00	0.35	ppb
Barium	137-1	627.63	631.82	622.26	627.24	0.76	ppb
Beryllium	9-1	2.02	2.05	2.04	2.04	0.72	ppb
Bismuth	209-1				91		%
Bismuth	209-2				85		%
Bromine	81-1						cps
Cadmium	108-1	2.66	2.58	2.69	2.65	2.13	ppb
Cadmium	106-1	1.39	0.54	0.61	0.84	55.85	ppb
Cadmium	111-1	1.23	1.20	1.17	1.20	2.17	ppb
Calcium	43-1	17494.86	18010.35	17775.24	17760.15	1.45	ppb
Calcium	44-1	17792.64	18286.28	17906.41	17995.11	1.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	105.22	103.61	105.39	104.74	0.94	ppb
Cobalt	59-2	69.41	68.08	69.03	68.84	1.00	ppb
Copper	63-2	263.00	260.37	258.74	260.71	0.82	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				90		%
Indium	115-1				89		%
Indium	115-2				82		%
Iron	54-2	126651.54	125789.12	126662.41	126367.69	0.40	ppb
Iron	56-2	128509.62	126122.65	125150.39	126594.22	1.37	ppb
Iron	57-2	128577.90	126166.78	126068.08	126937.59	1.12	ppb
Krypton	83-1						cps
Lead	206-1	57.02	56.46	55.79	56.42	1.09	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-18	Instrumnet Name :	P8
Client Sample ID :	MYD5S7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:23:49	DataFile Name :	085AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	57.04	56.30	55.42	56.25	1.44	ppb
Lead	208-1	57.32	56.98	56.18	56.83	1.03	ppb
Lithium	6-1				77		%
Magnesium	24-2	32103.92	31386.58	31431.25	31640.58	1.27	ppb
Manganese	55-2	3258.11	3149.19	3144.33	3183.88	2.02	ppb
Molybdenum	94-1	17.88	18.12	17.70	17.90	1.17	ppb
Molybdenum	95-1	2.38	2.39	2.36	2.38	0.67	ppb
Molybdenum	96-1	4.28	4.33	4.32	4.31	0.64	ppb
Molybdenum	97-1	2.38	2.36	2.32	2.35	1.22	ppb
Molybdenum	98-1	2.34	2.39	2.35	2.36	1.16	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	111.13	110.18	111.16	110.82	0.50	ppb
Phosphorus	31-2	3112.24	3006.90	3082.19	3067.11	1.77	ppb
Potassium	39-2	17754.61	17581.53	17439.80	17591.98	0.90	ppb
Rhodium	103-1				84		%
Rhodium	103-2				79		%
Scandium	45-1				89		%
Scandium	45-2				80		%
Selenium	82-1	1.01	1.03	1.00	1.01	1.26	ppb
Selenium	77-2	48.58	40.94	41.14	43.55	10.00	ppb
Selenium	78-2	7.42	8.12	10.61	8.72	19.27	ppb
Silicon	28-1	1469.54	1504.71	1482.57	1485.61	1.20	ppb
Silver	107-1	0.56	0.56	0.55	0.56	1.61	ppb
Silver	109-1	0.31	0.30	0.30	0.30	2.05	ppb
Sodium	23-2	945.04	929.35	938.96	937.78	0.84	ppb
Strontium	86-1	155.66	157.83	154.18	155.89	1.18	ppb
Strontium	88-1	151.99	155.24	150.83	152.69	1.50	ppb
Sulfur	34-1	1261.15	1365.07	1278.78	1301.67	4.27	ppb
Terbium	159-1				96		%
Terbium	159-2				90		%
Thallium	203-1	0.41	0.41	0.40	0.41	1.78	ppb
Thallium	205-1	0.43	0.41	0.41	0.42	1.93	ppb
Tin	118-1	2.44	2.43	2.46	2.44	0.46	ppb
Titanium	47-1	721.58	726.15	717.81	721.85	0.58	ppb
Uranium	238-1	1.37	1.35	1.34	1.35	0.99	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-18	Instrumnet Name :	P8
Client Sample ID :	MYD5S7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:23:49	DataFile Name :	085AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	277.83	271.54	277.98	275.78	1.33	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				94		%
Yttrium	89-2				87		%
Zinc	66-2	500.76	487.19	493.73	493.89	1.37	ppb
Zirconium	90-1	9.01	9.13	9.04	9.06	0.69	ppb
Zirconium	91-1	9.08	9.19	9.18	9.15	0.70	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-19	Instrumnet Name :	P8
Client Sample ID :	MYD5S8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:26:55	DataFile Name :	086AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51371.39	52063.17	52455.97	51963.51	1.06	ppb
Antimony	121-1	1.30	1.32	1.35	1.33	1.93	ppb
Arsenic	75-2	132.81	132.47	136.37	133.88	1.62	ppb
Barium	135-1	612.64	606.69	622.25	613.86	1.28	ppb
Barium	137-1	607.89	610.17	620.89	612.98	1.13	ppb
Beryllium	9-1	1.18	1.17	1.21	1.19	1.67	ppb
Bismuth	209-1				92		%
Bismuth	209-2				86		%
Bromine	81-1						cps
Cadmium	108-1	2.86	2.90	2.87	2.87	0.73	ppb
Cadmium	106-1	0.42	-0.23	0.19	0.13	262.82	ppb
Cadmium	111-1	2.33	2.30	2.38	2.34	1.72	ppb
Calcium	43-1	8064.39	7992.43	8065.11	8040.64	0.52	ppb
Calcium	44-1	8242.58	8332.47	8349.13	8308.06	0.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	169.95	171.60	171.94	171.16	0.62	ppb
Cobalt	59-2	73.13	74.03	74.88	74.02	1.18	ppb
Copper	63-2	289.79	289.42	289.51	289.58	0.07	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				91		%
Indium	115-1				89		%
Indium	115-2				84		%
Iron	54-2	136946.55	139778.29	138566.79	138430.54	1.03	ppb
Iron	56-2	138086.60	140540.96	137903.20	138843.59	1.06	ppb
Iron	57-2	138069.38	139551.61	141138.07	139586.35	1.10	ppb
Krypton	83-1						cps
Lead	206-1	106.24	104.45	100.44	103.71	2.86	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-19	Instrumnet Name :	P8
Client Sample ID :	MYD5S8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:26:55	DataFile Name :	086AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	105.93	105.35	102.24	104.51	1.89	ppb
Lead	208-1	105.46	102.99	102.32	103.59	1.60	ppb
Lithium	6-1				77		%
Magnesium	24-2	36613.33	36499.69	36635.81	36582.94	0.20	ppb
Manganese	55-2	4223.23	4296.00	4277.84	4265.69	0.89	ppb
Molybdenum	94-1	10.91	10.85	11.00	10.92	0.70	ppb
Molybdenum	95-1	1.16	1.09	1.14	1.13	2.94	ppb
Molybdenum	96-1	2.58	2.60	2.53	2.57	1.51	ppb
Molybdenum	97-1	1.17	1.16	1.14	1.16	1.51	ppb
Molybdenum	98-1	1.08	1.11	1.08	1.09	1.72	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	123.84	125.64	124.60	124.69	0.73	ppb
Phosphorus	31-2	1897.30	2001.34	1956.14	1951.59	2.67	ppb
Potassium	39-2	7415.77	7399.74	7487.11	7434.20	0.63	ppb
Rhodium	103-1				83		%
Rhodium	103-2				81		%
Scandium	45-1				90		%
Scandium	45-2				81		%
Selenium	82-1	1.48	1.01	0.97	1.15	24.40	ppb
Selenium	77-2	40.73	41.44	43.59	41.92	3.55	ppb
Selenium	78-2	9.20	9.88	9.07	9.38	4.63	ppb
Silicon	28-1	1500.13	1499.86	1510.11	1503.37	0.39	ppb
Silver	107-1	0.76	0.74	0.77	0.76	2.26	ppb
Silver	109-1	0.69	0.71	0.71	0.70	1.10	ppb
Sodium	23-2	92.56	93.42	93.37	93.11	0.52	ppb
Strontium	86-1	59.32	59.15	59.34	59.27	0.18	ppb
Strontium	88-1	60.72	60.97	61.35	61.01	0.51	ppb
Sulfur	34-1	-408.79	-513.63	-407.85	-443.42		ppb
Terbium	159-1				95		%
Terbium	159-2				91		%
Thallium	203-1	0.27	0.28	0.27	0.27	2.45	ppb
Thallium	205-1	0.28	0.27	0.28	0.28	1.86	ppb
Tin	118-1	3.15	3.13	3.18	3.15	0.73	ppb
Titanium	47-1	502.27	496.09	499.43	499.26	0.62	ppb
Uranium	238-1	0.79	0.80	0.80	0.80	0.76	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-19	Instrumnet Name :	P8
Client Sample ID :	MYD5S8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:26:55	DataFile Name :	086AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	271.25	274.12	272.44	272.60	0.53	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				93		%
Yttrium	89-2				86		%
Zinc	66-2	380.26	385.15	386.24	383.88	0.83	ppb
Zirconium	90-1	5.64	5.67	5.70	5.67	0.54	ppb
Zirconium	91-1	5.77	5.77	5.72	5.75	0.44	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-20	Instrumnet Name :	P8
Client Sample ID :	MYD5S9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:29:59	DataFile Name :	087AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48867.19	47927.62	48673.21	48489.34	1.02	ppb
Antimony	121-1	0.89	0.90	0.89	0.89	1.07	ppb
Arsenic	75-2	132.61	134.45	135.28	134.11	1.02	ppb
Barium	135-1	954.68	960.63	968.68	961.33	0.73	ppb
Barium	137-1	960.64	939.48	969.61	956.58	1.62	ppb
Beryllium	9-1	2.39	2.36	2.41	2.39	1.20	ppb
Bismuth	209-1				91		%
Bismuth	209-2				85		%
Bromine	81-1						cps
Cadmium	108-1	3.69	3.93	3.43	3.68	6.76	ppb
Cadmium	106-1	3.68	1.78	2.45	2.64	36.68	ppb
Cadmium	111-1	0.54	0.38	0.49	0.47	18.09	ppb
Calcium	43-1	11310.39	11623.09	11673.27	11535.58	1.70	ppb
Calcium	44-1	11674.70	11871.91	12029.93	11858.84	1.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	104.35	105.38	105.82	105.18	0.72	ppb
Cobalt	59-2	63.03	62.92	63.71	63.22	0.67	ppb
Copper	63-2	140.37	140.98	141.23	140.86	0.31	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				97		%
Holmium	165-2				90		%
Indium	115-1				90		%
Indium	115-2				83		%
Iron	54-2	139471.37	140804.71	142500.69	140925.59	1.08	ppb
Iron	56-2	140697.97	138768.86	141306.69	140257.84	0.94	ppb
Iron	57-2	141591.54	141792.94	142825.42	142069.97	0.47	ppb
Krypton	83-1						cps
Lead	206-1	38.09	37.30	39.96	38.45	3.56	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-20	Instrumnet Name :	P8
Client Sample ID :	MYD5S9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:29:59	DataFile Name :	087AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	38.98	38.32	40.59	39.30	2.97	ppb
Lead	208-1	39.17	38.43	40.74	39.45	3.00	ppb
Lithium	6-1				76		%
Magnesium	24-2	34429.47	34004.04	34155.11	34196.21	0.63	ppb
Manganese	55-2	7024.15	6972.42	7101.59	7032.72	0.92	ppb
Molybdenum	94-1	35.99	36.46	36.83	36.43	1.15	ppb
Molybdenum	95-1	1.03	1.08	1.07	1.06	2.56	ppb
Molybdenum	96-1	5.15	5.10	5.25	5.17	1.45	ppb
Molybdenum	97-1	1.01	1.03	1.04	1.03	1.32	ppb
Molybdenum	98-1	0.99	1.01	1.05	1.02	2.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	93.32	92.63	93.88	93.28	0.67	ppb
Phosphorus	31-2	901.47	919.55	910.90	910.64	0.99	ppb
Potassium	39-2	7207.47	7217.95	7211.69	7212.37	0.07	ppb
Rhodium	103-1				84		%
Rhodium	103-2				81		%
Scandium	45-1				89		%
Scandium	45-2				79		%
Selenium	82-1	0.44	0.40	0.23	0.36	30.75	ppb
Selenium	77-2	33.80	32.37	34.14	33.44	2.81	ppb
Selenium	78-2	5.35	7.65	7.60	6.87	19.08	ppb
Silicon	28-1	1278.24	1292.45	1292.45	1287.71	0.64	ppb
Silver	107-1	0.51	0.50	0.52	0.51	1.13	ppb
Silver	109-1	0.05	0.06	0.05	0.05	3.23	ppb
Sodium	23-2	167.56	166.69	168.11	167.45	0.43	ppb
Strontium	86-1	251.07	247.54	253.23	250.61	1.15	ppb
Strontium	88-1	242.76	242.13	249.07	244.65	1.57	ppb
Sulfur	34-1	-883.49	-837.18	-809.83	-843.50		ppb
Terbium	159-1				96		%
Terbium	159-2				90		%
Thallium	203-1	0.37	0.35	0.39	0.37	4.48	ppb
Thallium	205-1	0.38	0.37	0.39	0.38	3.25	ppb
Tin	118-1	2.83	2.76	2.81	2.80	1.40	ppb
Titanium	47-1	835.34	842.73	861.45	846.51	1.59	ppb
Uranium	238-1	1.09	1.09	1.13	1.10	2.23	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-20	Instrumnet Name :	P8
Client Sample ID :	MYD5S9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:29:59	DataFile Name :	087AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	211.68	212.12	213.01	212.27	0.32	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				93		%
Yttrium	89-2				86		%
Zinc	66-2	246.06	247.84	248.06	247.32	0.44	ppb
Zirconium	90-1	19.91	20.26	20.68	20.28	1.90	ppb
Zirconium	91-1	20.10	20.34	20.71	20.38	1.50	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-21	Instrumnet Name :	P8
Client Sample ID :	MYD5T0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:33:07	DataFile Name :	088AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	45943.97	45951.72	45739.64	45878.45	0.26	ppb
Antimony	121-1	0.91	0.89	0.87	0.89	2.15	ppb
Arsenic	75-2	142.35	141.23	141.04	141.54	0.50	ppb
Barium	135-1	602.22	588.15	586.32	592.23	1.47	ppb
Barium	137-1	607.59	601.56	575.56	594.90	2.86	ppb
Beryllium	9-1	2.15	2.07	2.06	2.09	2.33	ppb
Bismuth	209-1				90		%
Bismuth	209-2				86		%
Bromine	81-1						cps
Cadmium	108-1	2.18	2.14	1.99	2.10	4.73	ppb
Cadmium	106-1	0.04	0.31	-0.78	-0.14		ppb
Cadmium	111-1	0.97	0.96	0.80	0.91	10.78	ppb
Calcium	43-1	22219.21	21519.34	21450.19	21729.58	1.96	ppb
Calcium	44-1	22149.51	21194.78	21657.66	21667.32	2.20	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	107.39	106.01	107.38	106.92	0.74	ppb
Cobalt	59-2	58.01	57.37	58.27	57.88	0.80	ppb
Copper	63-2	224.65	216.94	220.04	220.54	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				96		%
Holmium	165-2				92		%
Indium	115-1				88		%
Indium	115-2				85		%
Iron	54-2	111423.18	112087.58	112641.56	112050.77	0.54	ppb
Iron	56-2	113515.86	111499.20	112043.40	112352.82	0.93	ppb
Iron	57-2	112414.33	111825.35	115083.22	113107.63	1.53	ppb
Krypton	83-1						cps
Lead	206-1	49.21	47.96	47.48	48.22	1.85	ppb

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-21	Instrumnet Name :	P8
Client Sample ID :	MYD5T0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:33:07	DataFile Name :	088AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	48.48	48.01	47.09	47.86	1.48	ppb
Lead	208-1	49.77	48.46	47.96	48.73	1.92	ppb
Lithium	6-1				76		%
Magnesium	24-2	30637.64	30040.15	30117.16	30264.98	1.07	ppb
Manganese	55-2	3101.39	3010.84	3008.86	3040.37	1.74	ppb
Molybdenum	94-1	14.03	13.63	13.61	13.76	1.73	ppb
Molybdenum	95-1	1.80	1.71	1.73	1.75	2.75	ppb
Molybdenum	96-1	3.42	3.29	3.23	3.32	2.94	ppb
Molybdenum	97-1	1.77	1.70	1.69	1.72	2.34	ppb
Molybdenum	98-1	1.74	1.67	1.67	1.69	2.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	104.10	103.85	104.90	104.28	0.53	ppb
Phosphorus	31-2	3478.68	3479.86	3485.76	3481.43	0.11	ppb
Potassium	39-2	18506.98	18409.42	18407.08	18441.16	0.31	ppb
Rhodium	103-1				82		%
Rhodium	103-2				82		%
Scandium	45-1				88		%
Scandium	45-2				81		%
Selenium	82-1	1.04	1.18	1.41	1.21	15.59	ppb
Selenium	77-2	40.06	39.75	34.56	38.12	8.10	ppb
Selenium	78-2	8.89	8.97	9.77	9.21	5.27	ppb
Silicon	28-1	2232.87	2139.42	2121.85	2164.71	2.76	ppb
Silver	107-1	0.57	0.57	0.54	0.56	2.77	ppb
Silver	109-1	0.26	0.25	0.24	0.25	3.66	ppb
Sodium	23-2	1265.23	1261.05	1254.02	1260.10	0.45	ppb
Strontium	86-1	192.94	189.04	187.67	189.88	1.44	ppb
Strontium	88-1	190.84	185.00	181.90	185.91	2.44	ppb
Sulfur	34-1	1115.36	869.74	895.41	960.17	14.06	ppb
Terbium	159-1				94		%
Terbium	159-2				91		%
Thallium	203-1	0.36	0.35	0.34	0.35	1.87	ppb
Thallium	205-1	0.36	0.36	0.35	0.36	1.83	ppb
Tin	118-1	2.58	2.57	2.49	2.54	2.04	ppb
Titanium	47-1	750.33	713.28	718.58	727.40	2.75	ppb
Uranium	238-1	1.25	1.23	1.18	1.22	2.74	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-21	Instrumnet Name :	P8
Client Sample ID :	MYD5T0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:33:07	DataFile Name :	088AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	252.56	254.18	255.92	254.22	0.66	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				94		%
Yttrium	89-2				89		%
Zinc	66-2	390.25	385.87	391.79	389.30	0.79	ppb
Zirconium	90-1	7.16	6.95	7.02	7.04	1.56	ppb
Zirconium	91-1	7.31	7.01	7.07	7.13	2.28	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-22	Instrumnet Name :	P8
Client Sample ID :	MYD5T1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:36:10	DataFile Name :	089AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	45758.94	45529.03	45801.25	45696.41	0.32	ppb
Antimony	121-1	1.60	1.44	1.47	1.50	5.71	ppb
Arsenic	75-2	140.09	139.52	138.99	139.53	0.39	ppb
Barium	135-1	949.29	886.82	892.68	909.59	3.79	ppb
Barium	137-1	964.33	904.62	886.80	918.58	4.42	ppb
Beryllium	9-1	1.38	1.34	1.33	1.35	1.83	ppb
Bismuth	209-1				90		%
Bismuth	209-2				84		%
Bromine	81-1						cps
Cadmium	108-1	3.24	3.20	2.97	3.13	4.73	ppb
Cadmium	106-1	1.25	-0.57	1.27	0.65	162.83	ppb
Cadmium	111-1	2.24	1.95	2.12	2.10	6.83	ppb
Calcium	43-1	13816.44	13445.00	13491.03	13584.16	1.49	ppb
Calcium	44-1	14091.08	13748.30	13644.86	13828.08	1.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	110.86	111.54	111.59	111.33	0.37	ppb
Cobalt	59-2	67.86	67.44	68.20	67.84	0.56	ppb
Copper	63-2	327.99	322.89	329.47	326.78	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				96		%
Holmium	165-2				89		%
Indium	115-1				88		%
Indium	115-2				82		%
Iron	54-2	134533.56	136744.98	136521.29	135933.28	0.90	ppb
Iron	56-2	137736.99	135490.36	135918.74	136382.03	0.87	ppb
Iron	57-2	137158.54	138760.20	137864.08	137927.61	0.58	ppb
Krypton	83-1						cps
Lead	206-1	110.77	107.15	105.72	107.88	2.41	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-22	Instrumnet Name :	P8
Client Sample ID :	MYD5T1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:36:10	DataFile Name :	089AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	113.62	108.34	106.50	109.49	3.38	ppb
Lead	208-1	111.51	106.51	105.03	107.68	3.15	ppb
Lithium	6-1				77		%
Magnesium	24-2	34683.13	34833.14	34755.64	34757.31	0.22	ppb
Manganese	55-2	5701.67	5674.09	5725.59	5700.45	0.45	ppb
Molybdenum	94-1	15.16	14.62	14.18	14.65	3.35	ppb
Molybdenum	95-1	1.07	1.00	0.99	1.02	4.28	ppb
Molybdenum	96-1	2.99	2.78	2.86	2.88	3.68	ppb
Molybdenum	97-1	1.03	0.97	0.98	0.99	3.24	ppb
Molybdenum	98-1	1.02	0.95	0.94	0.97	4.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	103.72	103.19	103.64	103.52	0.28	ppb
Phosphorus	31-2	1481.26	1551.53	1508.86	1513.88	2.34	ppb
Potassium	39-2	6475.82	6249.09	6352.33	6359.08	1.79	ppb
Rhodium	103-1				82		%
Rhodium	103-2				80		%
Scandium	45-1				89		%
Scandium	45-2				79		%
Selenium	82-1	0.64	0.89	0.95	0.83	19.96	ppb
Selenium	77-2	33.84	32.55	34.93	33.78	3.53	ppb
Selenium	78-2	8.26	8.43	7.10	7.93	9.06	ppb
Silicon	28-1	1980.47	1935.31	1918.78	1944.85	1.64	ppb
Silver	107-1	0.54	0.51	0.50	0.52	4.28	ppb
Silver	109-1	0.45	0.42	0.41	0.43	4.73	ppb
Sodium	23-2	107.00	106.93	106.65	106.86	0.17	ppb
Strontium	86-1	61.45	58.79	58.03	59.42	3.02	ppb
Strontium	88-1	62.71	59.76	59.04	60.50	3.21	ppb
Sulfur	34-1	-455.98	-605.34	-644.14	-568.49		ppb
Terbium	159-1				93		%
Terbium	159-2				89		%
Thallium	203-1	0.42	0.39	0.40	0.40	3.49	ppb
Thallium	205-1	0.43	0.40	0.40	0.41	4.83	ppb
Tin	118-1	4.01	3.88	3.86	3.92	2.15	ppb
Titanium	47-1	788.68	769.33	760.91	772.97	1.84	ppb
Uranium	238-1	0.81	0.78	0.79	0.79	1.77	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-22	Instrumnet Name :	P8
Client Sample ID :	MYD5T1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:36:10	DataFile Name :	089AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	303.20	309.93	306.44	306.52	1.10	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				92		%
Yttrium	89-2				85		%
Zinc	66-2	348.96	349.73	352.69	350.46	0.56	ppb
Zirconium	90-1	8.14	7.87	7.78	7.93	2.33	ppb
Zirconium	91-1	8.23	8.05	7.91	8.06	1.96	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:39:15	DataFile Name :	090AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7792.88	7754.08	7647.89	7731.62	0.97	ppb
Antimony	121-1	0.38	0.38	0.37	0.38	1.44	ppb
Arsenic	75-2	27.50	26.56	26.25	26.77	2.44	ppb
Barium	135-1	73.70	72.87	71.80	72.79	1.31	ppb
Barium	137-1	74.91	75.15	73.50	74.52	1.19	ppb
Beryllium	9-1	0.34	0.34	0.35	0.35	1.78	ppb
Bismuth	209-1				96		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	0.59	0.62	0.80	0.67	17.40	ppb
Cadmium	106-1	-4.10	-4.12	-4.84	-4.35		ppb
Cadmium	111-1	0.22	0.20	0.11	0.18	30.93	ppb
Calcium	43-1	2947.19	2879.76	2956.65	2927.87	1.43	ppb
Calcium	44-1	3054.91	3007.26	3064.00	3042.06	1.00	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9.60	9.52	9.45	9.52	0.83	ppb
Cobalt	59-2	9.44	9.31	9.34	9.36	0.72	ppb
Copper	63-2	62.74	62.43	62.58	62.58	0.25	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				92		%
Indium	115-1				92		%
Indium	115-2				86		%
Iron	54-2	20629.21	20463.38	20259.58	20450.72	0.91	ppb
Iron	56-2	20830.68	20769.62	20657.59	20752.63	0.42	ppb
Iron	57-2	21268.33	21202.22	21004.13	21158.23	0.65	ppb
Krypton	83-1						cps
Lead	206-1	24.70	24.09	24.30	24.36	1.27	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:39:15	DataFile Name :	090AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	25.53	25.13	25.47	25.38	0.84	ppb
Lead	208-1	25.05	24.69	24.85	24.86	0.72	ppb
Lithium	6-1				73		%
Magnesium	24-2	3901.34	3842.81	3791.12	3845.09	1.43	ppb
Manganese	55-2	516.43	526.56	524.11	522.37	1.01	ppb
Molybdenum	94-1	2.93	2.85	2.83	2.87	1.71	ppb
Molybdenum	95-1	0.29	0.30	0.29	0.29	1.14	ppb
Molybdenum	96-1	0.64	0.62	0.65	0.64	1.87	ppb
Molybdenum	97-1	0.31	0.29	0.30	0.30	2.44	ppb
Molybdenum	98-1	0.29	0.30	0.29	0.29	1.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	10.65	10.62	10.52	10.60	0.61	ppb
Phosphorus	31-2	608.32	588.14	605.62	600.69	1.82	ppb
Potassium	39-2	2022.25	2003.83	2003.74	2009.94	0.53	ppb
Rhodium	103-1				86		%
Rhodium	103-2				84		%
Scandium	45-1				83		%
Scandium	45-2				76		%
Selenium	82-1	0.18	0.14	-0.09	0.08	187.16	ppb
Selenium	77-2	7.54	12.27	13.81	11.20	29.18	ppb
Selenium	78-2	1.78	2.43	2.05	2.08	15.67	ppb
Silicon	28-1	392.42	383.36	396.37	390.71	1.71	ppb
Silver	107-1	0.17	0.17	0.17	0.17	0.98	ppb
Silver	109-1	0.15	0.17	0.15	0.16	6.04	ppb
Sodium	23-2	45.96	43.97	44.25	44.73	2.41	ppb
Strontium	86-1	14.20	13.99	14.03	14.07	0.80	ppb
Strontium	88-1	14.06	13.86	13.89	13.94	0.78	ppb
Sulfur	34-1	-672.08	-745.92	-642.04	-686.68		ppb
Terbium	159-1				95		%
Terbium	159-2				92		%
Thallium	203-1	0.08	0.08	0.08	0.08	3.61	ppb
Thallium	205-1	0.08	0.08	0.08	0.08	1.40	ppb
Tin	118-1	0.85	0.77	0.75	0.79	7.01	ppb
Titanium	47-1	276.71	285.96	288.56	283.74	2.20	ppb
Uranium	238-1	0.23	0.22	0.23	0.23	1.32	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:39:15	DataFile Name :	090AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	29.29	29.09	29.11	29.16	0.37	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				90		%
Yttrium	89-2				85		%
Zinc	66-2	113.69	112.41	111.68	112.59	0.90	ppb
Zirconium	90-1	1.48	1.48	1.48	1.48	0.23	ppb
Zirconium	91-1	1.49	1.49	1.51	1.50	0.47	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-02DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546D	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:42:24	DataFile Name :	091AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7886.35	7587.33	7680.29	7717.99	1.98	ppb
Antimony	121-1	0.34	0.36	0.32	0.34	6.17	ppb
Arsenic	75-2	26.53	26.25	26.60	26.46	0.69	ppb
Barium	135-1	71.19	72.97	64.87	69.68	6.11	ppb
Barium	137-1	72.92	74.09	65.68	70.90	6.42	ppb
Beryllium	9-1	0.35	0.33	0.33	0.34	3.91	ppb
Bismuth	209-1				97		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	0.62	0.58	0.60	0.60	3.29	ppb
Cadmium	106-1	-4.43	-4.45	-5.31	-4.73		ppb
Cadmium	111-1	0.17	0.20	0.03	0.13	67.32	ppb
Calcium	43-1	2864.51	2939.41	2623.33	2809.08	5.88	ppb
Calcium	44-1	3033.56	3029.61	2733.19	2932.12	5.88	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9.42	9.53	9.43	9.46	0.65	ppb
Cobalt	59-2	9.19	9.33	9.28	9.27	0.76	ppb
Copper	63-2	61.49	62.23	61.83	61.85	0.60	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				91		%
Indium	115-1				93		%
Indium	115-2				85		%
Iron	54-2	20338.94	20511.39	20140.70	20330.34	0.91	ppb
Iron	56-2	20413.68	20441.61	20419.14	20424.81	0.07	ppb
Iron	57-2	20773.42	21251.05	20738.44	20920.97	1.37	ppb
Krypton	83-1						cps
Lead	206-1	23.97	24.31	22.14	23.47	4.97	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-02DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546D	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:42:24	DataFile Name :	091AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	24.94	25.40	23.06	24.47	5.08	ppb
Lead	208-1	24.41	24.89	22.58	23.96	5.09	ppb
Lithium	6-1				74		%
Magnesium	24-2	3907.72	3904.36	3885.05	3899.04	0.31	ppb
Manganese	55-2	521.73	524.89	524.99	523.87	0.35	ppb
Molybdenum	94-1	2.80	2.85	2.50	2.72	7.02	ppb
Molybdenum	95-1	0.29	0.28	0.28	0.28	1.07	ppb
Molybdenum	96-1	0.61	0.63	0.56	0.60	6.05	ppb
Molybdenum	97-1	0.28	0.29	0.27	0.28	3.87	ppb
Molybdenum	98-1	0.29	0.29	0.26	0.28	5.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	10.43	10.49	10.45	10.46	0.30	ppb
Phosphorus	31-2	622.53	585.57	637.20	615.10	4.33	ppb
Potassium	39-2	2015.89	2028.03	2019.25	2021.06	0.31	ppb
Rhodium	103-1				88		%
Rhodium	103-2				82		%
Scandium	45-1				85		%
Scandium	45-2				74		%
Selenium	82-1	0.33	0.03	-0.21	0.05	538.15	ppb
Selenium	77-2	10.84	9.01	12.89	10.92	17.77	ppb
Selenium	78-2	2.57	3.08	2.98	2.87	9.48	ppb
Silicon	28-1	396.43	396.40	357.67	383.50	5.83	ppb
Silver	107-1	0.17	0.17	0.15	0.16	6.30	ppb
Silver	109-1	0.15	0.16	0.14	0.15	6.59	ppb
Sodium	23-2	42.51	42.37	42.06	42.31	0.55	ppb
Strontium	86-1	14.02	14.02	12.70	13.58	5.60	ppb
Strontium	88-1	13.95	13.90	12.63	13.49	5.54	ppb
Sulfur	34-1	-672.40	-725.45	-1058.46	-818.77		ppb
Terbium	159-1				98		%
Terbium	159-2				90		%
Thallium	203-1	0.08	0.08	0.07	0.07	6.60	ppb
Thallium	205-1	0.08	0.08	0.07	0.08	4.78	ppb
Tin	118-1	0.84	0.75	0.68	0.76	11.26	ppb
Titanium	47-1	274.24	273.02	249.42	265.56	5.27	ppb
Uranium	238-1	0.22	0.23	0.21	0.22	6.00	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-02DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546D	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:42:24	DataFile Name :	091AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	29.21	29.23	28.75	29.06	0.93	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				92		%
Yttrium	89-2				83		%
Zinc	66-2	111.17	110.83	111.78	111.26	0.43	ppb
Zirconium	90-1	1.47	1.47	1.29	1.41	7.43	ppb
Zirconium	91-1	1.40	1.45	1.34	1.39	3.90	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01LDLX20	Instrumnet Name :	P8
Client Sample ID :	MYD546L	Dilution Factor :	20
Date & Time Acquired :	2024-10-04 18:45:36	DataFile Name :	092AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1496.77	1507.63	1519.46	1507.95	0.75	ppb
Antimony	121-1	0.07	0.07	0.07	0.07	2.19	ppb
Arsenic	75-2	5.41	5.52	5.27	5.40	2.33	ppb
Barium	135-1	14.15	14.30	14.28	14.24	0.56	ppb
Barium	137-1	14.68	14.70	14.48	14.62	0.85	ppb
Beryllium	9-1	0.08	0.07	0.07	0.07	6.71	ppb
Bismuth	209-1				94		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	0.08	0.08	0.12	0.09	27.63	ppb
Cadmium	106-1	-4.71	-5.41	-6.41	-5.51		ppb
Cadmium	111-1	-0.28	-0.33	-0.45	-0.35		ppb
Calcium	43-1	564.77	571.43	571.25	569.15	0.67	ppb
Calcium	44-1	572.40	580.57	568.48	573.82	1.07	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.88	1.88	1.90	1.89	0.59	ppb
Cobalt	59-2	1.83	1.83	1.83	1.83	0.26	ppb
Copper	63-2	12.26	12.30	12.09	12.21	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				95		%
Holmium	165-2				92		%
Indium	115-1				90		%
Indium	115-2				88		%
Iron	54-2	3993.60	3989.72	3981.00	3988.11	0.16	ppb
Iron	56-2	4105.68	4133.39	4082.12	4107.06	0.62	ppb
Iron	57-2	3998.88	4017.60	4033.81	4016.76	0.44	ppb
Krypton	83-1						cps
Lead	206-1	4.90	4.77	4.77	4.81	1.55	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01LDLX20	Instrumnet Name :	P8
Client Sample ID :	MYD546L	Dilution Factor :	20
Date & Time Acquired :	2024-10-04 18:45:36	DataFile Name :	092AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	5.05	5.00	5.02	5.02	0.44	ppb
Lead	208-1	4.94	4.86	4.88	4.89	0.84	ppb
Lithium	6-1				72		%
Magnesium	24-2	750.66	749.95	751.17	750.60	0.08	ppb
Manganese	55-2	101.57	101.44	101.06	101.36	0.26	ppb
Molybdenum	94-1	0.54	0.60	0.57	0.57	5.12	ppb
Molybdenum	95-1	0.05	0.06	0.05	0.06	10.19	ppb
Molybdenum	96-1	0.13	0.12	0.12	0.12	4.77	ppb
Molybdenum	97-1	0.05	0.05	0.05	0.05	0.79	ppb
Molybdenum	98-1	0.06	0.06	0.06	0.06	4.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.09	2.11	2.06	2.09	1.34	ppb
Phosphorus	31-2	94.45	108.87	101.70	101.67	7.09	ppb
Potassium	39-2	398.67	393.42	398.52	396.87	0.75	ppb
Rhodium	103-1				86		%
Rhodium	103-2				84		%
Scandium	45-1				82		%
Scandium	45-2				75		%
Selenium	82-1	-0.07	-0.15	-0.28	-0.16		ppb
Selenium	77-2	1.54	2.18	2.47	2.06	23.14	ppb
Selenium	78-2	0.29	0.58	0.66	0.51	37.70	ppb
Silicon	28-1	76.37	76.08	73.41	75.29	2.17	ppb
Silver	107-1	0.03	0.03	0.03	0.03	3.03	ppb
Silver	109-1	0.03	0.03	0.03	0.03	9.48	ppb
Sodium	23-2	5.93	5.38	5.66	5.65	4.85	ppb
Strontium	86-1	2.78	2.81	2.85	2.81	1.27	ppb
Strontium	88-1	2.76	2.82	2.78	2.79	1.14	ppb
Sulfur	34-1	-800.66	-778.07	-809.18	-795.97		ppb
Terbium	159-1				94		%
Terbium	159-2				92		%
Thallium	203-1	0.02	0.01	0.01	0.02	16.51	ppb
Thallium	205-1	0.02	0.02	0.01	0.02	8.88	ppb
Tin	118-1	0.17	0.14	0.17	0.16	8.86	ppb
Titanium	47-1	53.85	53.87	53.85	53.86	0.03	ppb
Uranium	238-1	0.04	0.04	0.04	0.04	0.62	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01LDLX20	Instrumnet Name :	P8
Client Sample ID :	MYD546L	Dilution Factor :	20
Date & Time Acquired :	2024-10-04 18:45:36	DataFile Name :	092AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	5.81	5.77	5.73	5.77	0.71	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				87		%
Yttrium	89-2				83		%
Zinc	66-2	21.35	22.04	21.96	21.78	1.72	ppb
Zirconium	90-1	0.28	0.29	0.29	0.29	2.60	ppb
Zirconium	91-1	0.28	0.29	0.30	0.29	3.06	ppb

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-03DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546S	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:48:51	DataFile Name :	093AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7957.71	7831.83	8082.90	7957.48	1.58	ppb
Antimony	121-1	15.74	15.58	15.69	15.67	0.49	ppb
Arsenic	75-2	32.00	32.05	31.54	31.86	0.88	ppb
Barium	135-1	389.97	386.60	390.11	388.89	0.51	ppb
Barium	137-1	385.55	384.94	385.63	385.37	0.10	ppb
Beryllium	9-1	7.26	7.37	7.27	7.30	0.84	ppb
Bismuth	209-1				93		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	6.37	6.35	6.79	6.50	3.84	ppb
Cadmium	106-1	2.31	1.18	1.17	1.55	42.23	ppb
Cadmium	111-1	7.95	7.73	7.76	7.81	1.55	ppb
Calcium	43-1	2856.58	2874.09	2899.85	2876.84	0.76	ppb
Calcium	44-1	2941.84	3002.58	3017.57	2987.33	1.34	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	41.88	41.80	41.46	41.71	0.54	ppb
Cobalt	59-2	92.52	92.27	93.67	92.82	0.80	ppb
Copper	63-2	102.05	102.38	102.35	102.26	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				92		%
Indium	115-1				91		%
Indium	115-2				87		%
Iron	54-2	20322.65	20358.92	20253.06	20311.54	0.26	ppb
Iron	56-2	20924.01	20465.75	20523.70	20637.82	1.21	ppb
Iron	57-2	20782.66	20365.52	20790.85	20646.34	1.18	ppb
Krypton	83-1						cps
Lead	206-1	27.22	27.25	27.65	27.38	0.88	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-03DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546S	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:48:51	DataFile Name :	093AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	27.94	28.78	28.63	28.45	1.58	ppb
Lead	208-1	27.58	28.05	28.01	27.88	0.93	ppb
Lithium	6-1				73		%
Magnesium	24-2	3754.08	3769.00	3755.99	3759.69	0.22	ppb
Manganese	55-2	609.28	597.17	608.30	604.92	1.11	ppb
Molybdenum	94-1	2.70	2.82	2.87	2.79	3.12	ppb
Molybdenum	95-1	0.29	0.31	0.30	0.30	3.34	ppb
Molybdenum	96-1	0.60	0.63	0.64	0.62	3.10	ppb
Molybdenum	97-1	0.28	0.28	0.30	0.29	4.31	ppb
Molybdenum	98-1	0.31	0.29	0.28	0.29	5.24	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	94.50	95.41	93.72	94.54	0.89	ppb
Phosphorus	31-2	590.08	612.09	571.29	591.15	3.45	ppb
Potassium	39-2	1995.51	2003.46	1991.69	1996.88	0.30	ppb
Rhodium	103-1				86		%
Rhodium	103-2				84		%
Scandium	45-1				83		%
Scandium	45-2				75		%
Selenium	82-1	17.16	17.17	17.00	17.11	0.57	ppb
Selenium	77-2	29.30	25.45	21.44	25.40	15.47	ppb
Selenium	78-2	19.36	19.66	18.15	19.06	4.20	ppb
Silicon	28-1	387.32	390.60	395.51	391.14	1.05	ppb
Silver	107-1	7.55	7.54	7.58	7.56	0.29	ppb
Silver	109-1	8.03	7.94	8.12	8.03	1.14	ppb
Sodium	23-2	39.24	39.33	40.23	39.60	1.38	ppb
Strontium	86-1	13.81	13.73	13.79	13.78	0.28	ppb
Strontium	88-1	13.60	13.65	13.94	13.73	1.36	ppb
Sulfur	34-1	-697.66	-737.41	-716.05	-717.04		ppb
Terbium	159-1				95		%
Terbium	159-2				92		%
Thallium	203-1	7.55	7.75	7.72	7.67	1.45	ppb
Thallium	205-1	7.76	7.89	7.91	7.86	1.04	ppb
Tin	118-1	0.77	0.73	0.75	0.75	2.54	ppb
Titanium	47-1	273.21	274.27	274.23	273.90	0.22	ppb
Uranium	238-1	0.23	0.23	0.22	0.23	1.00	ppb

Reviewed By:mohan
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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-03DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546S	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:48:51	DataFile Name :	093AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	107.41	106.50	106.83	106.91	0.43	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				90		%
Yttrium	89-2				84		%
Zinc	66-2	191.36	195.27	193.47	193.37	1.01	ppb
Zirconium	90-1	1.44	1.46	1.47	1.46	0.77	ppb
Zirconium	91-1	1.52	1.47	1.52	1.50	1.95	ppb

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01MSDLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:52:00	DataFile Name :	094AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8762.90	8897.19	8849.75	8836.61	0.77	ppb
Antimony	121-1	70.93	73.21	71.56	71.90	1.64	ppb
Arsenic	75-2	53.03	53.65	54.04	53.57	0.95	ppb
Barium	135-1	1473.12	1495.64	1479.47	1482.74	0.78	ppb
Barium	137-1	1486.14	1515.25	1498.47	1499.95	0.97	ppb
Beryllium	9-1	32.20	33.04	32.84	32.69	1.35	ppb
Bismuth	209-1				94		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	26.63	27.60	26.67	26.97	2.04	ppb
Cadmium	106-1	20.86	21.02	20.54	20.81	1.18	ppb
Cadmium	111-1	34.25	35.17	34.39	34.60	1.43	ppb
Calcium	43-1	2795.06	2865.64	2850.68	2837.13	1.31	ppb
Calcium	44-1	2939.70	2955.71	2916.61	2937.34	0.67	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	158.36	156.85	156.18	157.13	0.71	ppb
Cobalt	59-2	408.17	404.44	405.53	406.05	0.47	ppb
Copper	63-2	251.26	256.32	260.45	256.01	1.80	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				92		%
Indium	115-1				89		%
Indium	115-2				87		%
Iron	54-2	20980.58	20785.31	20907.52	20891.14	0.47	ppb
Iron	56-2	21358.46	20987.56	20981.85	21109.29	1.02	ppb
Iron	57-2	21071.39	21427.07	21290.83	21263.10	0.84	ppb
Krypton	83-1						cps
Lead	206-1	37.18	38.29	38.01	37.82	1.53	ppb

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01MSDLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:52:00	DataFile Name :	094AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	38.12	39.10	38.84	38.69	1.31	ppb
Lead	208-1	38.48	39.15	38.85	38.82	0.86	ppb
Lithium	6-1				71		%
Magnesium	24-2	3775.75	3743.38	3790.50	3769.88	0.64	ppb
Manganese	55-2	910.57	880.17	884.35	891.70	1.85	ppb
Molybdenum	94-1	2.93	3.05	2.96	2.98	2.05	ppb
Molybdenum	95-1	0.30	0.30	0.29	0.30	1.32	ppb
Molybdenum	96-1	0.63	0.66	0.66	0.65	2.76	ppb
Molybdenum	97-1	0.28	0.30	0.30	0.30	3.49	ppb
Molybdenum	98-1	0.28	0.30	0.30	0.30	3.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	395.37	396.05	394.19	395.20	0.24	ppb
Phosphorus	31-2	559.86	587.92	568.75	572.18	2.51	ppb
Potassium	39-2	2001.22	1973.43	1984.93	1986.53	0.70	ppb
Rhodium	103-1				85		%
Rhodium	103-2				84		%
Scandium	45-1				83		%
Scandium	45-2				75		%
Selenium	82-1	80.74	81.03	78.83	80.20	1.49	ppb
Selenium	77-2	88.40	87.47	82.89	86.25	3.42	ppb
Selenium	78-2	76.25	79.46	79.14	78.28	2.26	ppb
Silicon	28-1	398.04	397.13	394.82	396.66	0.42	ppb
Silver	107-1	33.22	34.29	33.88	33.80	1.59	ppb
Silver	109-1	35.61	36.64	35.79	36.01	1.52	ppb
Sodium	23-2	41.54	41.60	41.03	41.39	0.76	ppb
Strontium	86-1	13.99	13.97	13.75	13.90	0.95	ppb
Strontium	88-1	13.61	13.89	13.78	13.76	1.00	ppb
Sulfur	34-1	-771.76	-791.88	-800.86	-788.17		ppb
Terbium	159-1				94		%
Terbium	159-2				92		%
Thallium	203-1	33.64	34.50	34.25	34.13	1.29	ppb
Thallium	205-1	35.12	35.63	35.68	35.48	0.87	ppb
Tin	118-1	0.71	0.75	0.71	0.72	3.28	ppb
Titanium	47-1	271.75	273.87	273.17	272.93	0.40	ppb
Uranium	238-1	0.22	0.23	0.22	0.22	2.14	ppb

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01MSDLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:52:00	DataFile Name :	094AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	400.16	392.71	400.31	397.72	1.09	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				89		%
Yttrium	89-2				85		%
Zinc	66-2	495.46	495.84	493.09	494.79	0.30	ppb
Zirconium	90-1	1.51	1.56	1.51	1.53	1.68	ppb
Zirconium	91-1	1.58	1.61	1.55	1.58	1.73	ppb

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-05DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5R4	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 18:55:03	DataFile Name :	095AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	28989.63	28805.34	29000.05	28931.67	0.38	ppb
Antimony	121-1	0.74	0.74	0.77	0.75	2.10	ppb
Arsenic	75-2	71.92	71.81	71.82	71.85	0.08	ppb
Barium	135-1	772.38	791.93	788.18	784.16	1.32	ppb
Barium	137-1	780.84	786.35	771.35	779.51	0.97	ppb
Beryllium	9-1	1.02	1.04	1.06	1.04	1.89	ppb
Bismuth	209-1				93		%
Bismuth	209-2				89		%
Bromine	81-1						cps
Cadmium	108-1	1.52	1.38	1.57	1.49	6.62	ppb
Cadmium	106-1	-1.20	-2.83	-3.09	-2.38		ppb
Cadmium	111-1	0.65	0.56	0.45	0.55	17.58	ppb
Calcium	43-1	7861.92	7928.70	8038.23	7942.95	1.12	ppb
Calcium	44-1	8225.21	8288.37	8264.68	8259.42	0.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	64.55	64.00	63.92	64.16	0.53	ppb
Cobalt	59-2	40.08	40.25	39.80	40.04	0.57	ppb
Copper	63-2	149.00	148.25	148.47	148.58	0.26	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				92		%
Indium	115-1				90		%
Indium	115-2				86		%
Iron	54-2	85897.62	85542.13	84258.09	85232.61	1.01	ppb
Iron	56-2	86475.38	86334.55	86001.73	86270.55	0.28	ppb
Iron	57-2	87815.95	85701.26	84843.50	86120.23	1.78	ppb
Krypton	83-1						cps
Lead	206-1	43.45	43.53	44.01	43.66	0.69	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-05DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5R4	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 18:55:03	DataFile Name :	095AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	44.07	43.99	44.41	44.16	0.50	ppb
Lead	208-1	44.66	44.42	44.72	44.60	0.36	ppb
Lithium	6-1				73		%
Magnesium	24-2	19598.73	19378.64	19266.98	19414.79	0.87	ppb
Manganese	55-2	6710.53	6703.94	6711.07	6708.52	0.06	ppb
Molybdenum	94-1	9.22	9.08	9.25	9.18	0.99	ppb
Molybdenum	95-1	0.74	0.76	0.75	0.75	1.57	ppb
Molybdenum	96-1	1.91	1.83	1.92	1.89	2.55	ppb
Molybdenum	97-1	0.69	0.72	0.72	0.71	2.17	ppb
Molybdenum	98-1	0.68	0.68	0.69	0.68	0.86	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	61.07	60.11	60.37	60.52	0.82	ppb
Phosphorus	31-2	851.53	847.90	832.34	843.92	1.21	ppb
Potassium	39-2	4797.41	4690.95	4644.23	4710.86	1.67	ppb
Rhodium	103-1				85		%
Rhodium	103-2				82		%
Scandium	45-1				87		%
Scandium	45-2				79		%
Selenium	82-1	0.07	0.54	0.27	0.29	80.42	ppb
Selenium	77-2	23.60	23.39	23.28	23.43	0.69	ppb
Selenium	78-2	5.33	3.91	4.07	4.44	17.55	ppb
Silicon	28-1	702.01	706.30	697.23	701.85	0.65	ppb
Silver	107-1	0.29	0.29	0.29	0.29	0.76	ppb
Silver	109-1	0.22	0.20	0.20	0.20	5.05	ppb
Sodium	23-2	65.96	65.81	65.55	65.77	0.32	ppb
Strontium	86-1	53.53	52.62	53.99	53.38	1.30	ppb
Strontium	88-1	54.64	53.93	55.52	54.70	1.46	ppb
Sulfur	34-1	-684.84	-655.79	-645.12	-661.92		ppb
Terbium	159-1				95		%
Terbium	159-2				92		%
Thallium	203-1	0.25	0.25	0.25	0.25	0.58	ppb
Thallium	205-1	0.26	0.25	0.25	0.26	1.41	ppb
Tin	118-1	1.60	1.55	1.57	1.57	1.42	ppb
Titanium	47-1	430.12	434.88	440.40	435.14	1.18	ppb
Uranium	238-1	0.57	0.56	0.57	0.57	0.87	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-05DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5R4	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 18:55:03	DataFile Name :	095AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	156.56	157.01	154.83	156.13	0.74	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				93		%
Yttrium	89-2				87		%
Zinc	66-2	206.48	205.98	204.39	205.62	0.53	ppb
Zirconium	90-1	5.03	4.87	5.06	4.99	2.04	ppb
Zirconium	91-1	4.99	4.90	5.17	5.02	2.65	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-17DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5S6	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 18:58:10	DataFile Name :	096AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11533.13	11605.55	11312.48	11483.72	1.33	ppb
Antimony	121-1	0.57	0.57	0.58	0.57	0.97	ppb
Arsenic	75-2	33.13	33.45	32.43	33.00	1.58	ppb
Barium	135-1	625.35	631.46	623.30	626.70	0.68	ppb
Barium	137-1	629.64	631.93	632.73	631.44	0.25	ppb
Beryllium	9-1	0.76	0.76	0.75	0.76	0.61	ppb
Bismuth	209-1				94		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	1.15	1.08	1.23	1.15	6.57	ppb
Cadmium	106-1	-2.58	-3.01	-3.45	-3.01		ppb
Cadmium	111-1	-0.05	-0.04	-0.12	-0.07		ppb
Calcium	43-1	27469.06	27206.44	28506.65	27727.38	2.48	ppb
Calcium	44-1	27987.61	28034.39	28443.75	28155.25	0.89	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	34.78	34.79	35.11	34.89	0.53	ppb
Cobalt	59-2	22.16	22.09	22.29	22.18	0.47	ppb
Copper	63-2	68.55	68.72	68.29	68.52	0.32	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				94		%
Indium	115-1				90		%
Indium	115-2				86		%
Iron	54-2	41300.62	41592.04	41649.08	41513.91	0.45	ppb
Iron	56-2	41343.46	41682.18	41554.77	41526.81	0.41	ppb
Iron	57-2	42322.20	42041.64	41962.65	42108.83	0.45	ppb
Krypton	83-1						cps
Lead	206-1	16.90	16.77	17.32	17.00	1.69	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-17DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5S6	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 18:58:10	DataFile Name :	096AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	17.65	17.51	18.26	17.81	2.23	ppb
Lead	208-1	17.23	17.10	17.75	17.36	1.97	ppb
Lithium	6-1				73		%
Magnesium	24-2	14962.10	14724.68	14516.78	14734.52	1.51	ppb
Manganese	55-2	6162.52	6237.60	6277.77	6225.96	0.94	ppb
Molybdenum	94-1	11.08	11.24	11.70	11.34	2.84	ppb
Molybdenum	95-1	0.57	0.62	0.61	0.60	4.27	ppb
Molybdenum	96-1	1.78	1.81	1.87	1.82	2.48	ppb
Molybdenum	97-1	0.54	0.54	0.57	0.55	2.81	ppb
Molybdenum	98-1	0.54	0.55	0.57	0.55	2.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	49.53	49.55	49.95	49.67	0.49	ppb
Phosphorus	31-2	832.71	865.50	858.95	852.39	2.04	ppb
Potassium	39-2	1056.96	1066.67	1069.54	1064.39	0.62	ppb
Rhodium	103-1				85		%
Rhodium	103-2				83		%
Scandium	45-1				84		%
Scandium	45-2				76		%
Selenium	82-1	0.04	0.06	0.17	0.09	80.03	ppb
Selenium	77-2	17.91	10.51	12.48	13.63	28.13	ppb
Selenium	78-2	2.92	3.21	3.15	3.09	4.95	ppb
Silicon	28-1	879.86	891.01	912.89	894.59	1.88	ppb
Silver	107-1	0.22	0.22	0.22	0.22	0.79	ppb
Silver	109-1	0.06	0.06	0.06	0.06	2.42	ppb
Sodium	23-2	546.30	548.10	545.98	546.79	0.21	ppb
Strontium	86-1	90.86	91.83	95.48	92.72	2.63	ppb
Strontium	88-1	93.66	93.50	96.83	94.67	1.98	ppb
Sulfur	34-1	-728.32	-712.09	-660.94	-700.45		ppb
Terbium	159-1				96		%
Terbium	159-2				93		%
Thallium	203-1	0.14	0.13	0.14	0.14	3.49	ppb
Thallium	205-1	0.13	0.13	0.14	0.14	4.13	ppb
Tin	118-1	1.43	1.37	1.37	1.39	2.71	ppb
Titanium	47-1	534.35	539.22	542.47	538.68	0.76	ppb
Uranium	238-1	0.35	0.35	0.36	0.36	1.38	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-17DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5S6	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 18:58:10	DataFile Name :	096AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	71.43	70.97	71.54	71.31	0.42	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				91		%
Yttrium	89-2				86		%
Zinc	66-2	79.01	78.64	77.66	78.43	0.89	ppb
Zirconium	90-1	6.11	6.19	6.32	6.20	1.66	ppb
Zirconium	91-1	6.07	6.16	6.47	6.23	3.36	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-01	Instrumnet Name :	P8
Client Sample ID :	MYD5K5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:01:17	DataFile Name :	097AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	40830.08	40453.41	40739.15	40674.21	0.48	ppb
Antimony	121-1	1.80	1.78	1.81	1.80	0.85	ppb
Arsenic	75-2	169.42	169.31	172.31	170.35	1.00	ppb
Barium	135-1	467.90	485.00	468.19	473.70	2.07	ppb
Barium	137-1	471.16	473.13	479.82	474.70	0.96	ppb
Beryllium	9-1	1.27	1.27	1.31	1.28	1.67	ppb
Bismuth	209-1				91		%
Bismuth	209-2				85		%
Bromine	81-1						cps
Cadmium	108-1	1.69	1.73	1.81	1.75	3.63	ppb
Cadmium	106-1	-0.65	-1.69	-2.44	-1.59		ppb
Cadmium	111-1	0.63	0.56	0.50	0.56	11.45	ppb
Calcium	43-1	8351.31	8446.67	8311.70	8369.89	0.83	ppb
Calcium	44-1	8614.31	8647.26	8624.94	8628.84	0.19	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	134.75	133.92	135.08	134.58	0.45	ppb
Cobalt	59-2	79.47	79.32	79.46	79.42	0.10	ppb
Copper	63-2	207.96	206.72	207.72	207.47	0.32	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				91		%
Indium	115-1				89		%
Indium	115-2				84		%
Iron	54-2	184302.58	181173.94	183656.64	183044.39	0.90	ppb
Iron	56-2	183548.15	184417.66	184205.11	184056.98	0.25	ppb
Iron	57-2	182876.21	184704.00	182427.36	183335.86	0.66	ppb
Krypton	83-1						cps
Lead	206-1	55.60	56.45	56.85	56.30	1.14	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-01	Instrumnet Name :	P8
Client Sample ID :	MYD5K5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:01:17	DataFile Name :	097AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	57.73	58.57	59.02	58.44	1.12	ppb
Lead	208-1	57.32	58.39	58.69	58.13	1.24	ppb
Lithium	6-1				74		%
Magnesium	24-2	27309.42	27553.69	27492.93	27452.01	0.46	ppb
Manganese	55-2	8709.09	8659.28	8796.41	8721.60	0.80	ppb
Molybdenum	94-1	12.19	12.67	12.65	12.50	2.15	ppb
Molybdenum	95-1	2.22	2.30	2.30	2.27	2.13	ppb
Molybdenum	96-1	3.84	3.90	3.95	3.90	1.48	ppb
Molybdenum	97-1	2.20	2.24	2.25	2.23	1.20	ppb
Molybdenum	98-1	2.16	2.20	2.23	2.20	1.57	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	100.61	100.29	101.17	100.69	0.44	ppb
Phosphorus	31-2	1707.31	1674.47	1681.00	1687.59	1.03	ppb
Potassium	39-2	8789.80	8741.61	8710.90	8747.44	0.45	ppb
Rhodium	103-1				83		%
Rhodium	103-2				81		%
Scandium	45-1				89		%
Scandium	45-2				80		%
Selenium	82-1	0.57	0.61	0.42	0.54	19.25	ppb
Selenium	77-2	34.09	32.65	32.60	33.11	2.55	ppb
Selenium	78-2	9.08	7.56	7.62	8.09	10.65	ppb
Silicon	28-1	1045.62	1036.61	1015.79	1032.67	1.48	ppb
Silver	107-1	0.33	0.33	0.33	0.33	0.30	ppb
Silver	109-1	0.20	0.20	0.19	0.20	2.95	ppb
Sodium	23-2	105.82	106.27	106.28	106.13	0.25	ppb
Strontium	86-1	74.81	75.94	76.76	75.84	1.29	ppb
Strontium	88-1	76.38	77.30	77.84	77.17	0.95	ppb
Sulfur	34-1	-528.11	-555.39	-629.94	-571.14		ppb
Terbium	159-1				95		%
Terbium	159-2				91		%
Thallium	203-1	0.29	0.29	0.30	0.29	2.43	ppb
Thallium	205-1	0.30	0.30	0.30	0.30	0.28	ppb
Tin	118-1	2.49	2.49	2.52	2.50	0.64	ppb
Titanium	47-1	798.47	787.61	782.85	789.65	1.01	ppb
Uranium	238-1	0.95	0.96	0.97	0.96	0.72	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-01	Instrumnet Name :	P8
Client Sample ID :	MYD5K5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:01:17	DataFile Name :	097AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	283.30	280.81	279.94	281.35	0.62	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				92		%
Yttrium	89-2				87		%
Zinc	66-2	306.82	307.51	309.34	307.89	0.42	ppb
Zirconium	90-1	5.95	6.12	6.08	6.05	1.44	ppb
Zirconium	91-1	5.99	6.30	6.35	6.21	3.16	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-02	Instrumnet Name :	P8
Client Sample ID :	MYD5K5D	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:04:24	DataFile Name :	098AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	40164.07	40376.27	40867.91	40469.42	0.89	ppb
Antimony	121-1	1.76	1.76	1.77	1.77	0.33	ppb
Arsenic	75-2	169.21	171.57	171.39	170.72	0.77	ppb
Barium	135-1	485.17	479.18	488.01	484.12	0.93	ppb
Barium	137-1	490.21	483.90	492.67	488.93	0.92	ppb
Beryllium	9-1	1.30	1.27	1.27	1.28	1.32	ppb
Bismuth	209-1				91		%
Bismuth	209-2				86		%
Bromine	81-1						cps
Cadmium	108-1	1.71	1.47	1.74	1.64	8.91	ppb
Cadmium	106-1	-1.23	-1.62	-1.89	-1.58		ppb
Cadmium	111-1	0.60	0.58	0.51	0.56	7.68	ppb
Calcium	43-1	8238.79	8201.10	8317.42	8252.44	0.72	ppb
Calcium	44-1	8373.56	8495.98	8600.01	8489.85	1.34	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	134.67	134.80	135.77	135.08	0.44	ppb
Cobalt	59-2	80.05	79.80	80.23	80.03	0.27	ppb
Copper	63-2	207.18	207.13	207.93	207.41	0.22	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				93		%
Indium	115-1				89		%
Indium	115-2				85		%
Iron	54-2	183488.91	181320.50	180969.70	181926.37	0.75	ppb
Iron	56-2	185337.25	185349.50	181877.62	184188.13	1.09	ppb
Iron	57-2	184237.36	182738.34	183925.64	183633.78	0.43	ppb
Krypton	83-1						cps
Lead	206-1	56.85	56.56	57.02	56.81	0.41	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-02	Instrumnet Name :	P8
Client Sample ID :	MYD5K5D	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:04:24	DataFile Name :	098AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	59.73	58.83	60.08	59.55	1.08	ppb
Lead	208-1	59.26	58.46	58.52	58.75	0.76	ppb
Lithium	6-1				73		%
Magnesium	24-2	27431.48	27678.91	27602.28	27570.89	0.46	ppb
Manganese	55-2	9012.26	9025.49	8890.19	8975.98	0.83	ppb
Molybdenum	94-1	12.34	12.31	12.61	12.42	1.33	ppb
Molybdenum	95-1	2.23	2.25	2.31	2.26	1.73	ppb
Molybdenum	96-1	3.88	3.87	3.90	3.88	0.38	ppb
Molybdenum	97-1	2.22	2.15	2.22	2.20	1.81	ppb
Molybdenum	98-1	2.19	2.19	2.23	2.20	1.01	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	101.21	100.81	100.91	100.97	0.21	ppb
Phosphorus	31-2	1702.80	1668.40	1657.56	1676.25	1.41	ppb
Potassium	39-2	8836.47	8724.04	8772.07	8777.53	0.64	ppb
Rhodium	103-1				83		%
Rhodium	103-2				82		%
Scandium	45-1				88		%
Scandium	45-2				81		%
Selenium	82-1	0.19	0.80	0.47	0.49	62.13	ppb
Selenium	77-2	35.41	37.76	36.83	36.67	3.23	ppb
Selenium	78-2	7.94	5.98	8.59	7.50	18.07	ppb
Silicon	28-1	1041.61	1025.99	1044.37	1037.32	0.96	ppb
Silver	107-1	0.32	0.32	0.33	0.32	1.69	ppb
Silver	109-1	0.20	0.19	0.20	0.20	3.18	ppb
Sodium	23-2	106.08	105.18	105.92	105.73	0.46	ppb
Strontium	86-1	75.44	75.61	76.06	75.70	0.42	ppb
Strontium	88-1	77.92	77.03	77.26	77.40	0.59	ppb
Sulfur	34-1	-589.10	-627.42	-609.89	-608.80		ppb
Terbium	159-1				95		%
Terbium	159-2				92		%
Thallium	203-1	0.29	0.29	0.29	0.29	0.34	ppb
Thallium	205-1	0.30	0.29	0.30	0.30	1.99	ppb
Tin	118-1	2.54	2.49	2.57	2.53	1.59	ppb
Titanium	47-1	776.69	785.44	791.62	784.58	0.96	ppb
Uranium	238-1	0.96	0.95	0.96	0.96	0.80	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-02	Instrumnet Name :	P8
Client Sample ID :	MYD5K5D	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:04:24	DataFile Name :	098AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	281.37	279.58	284.47	281.81	0.88	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				92		%
Yttrium	89-2				87		%
Zinc	66-2	312.13	310.42	313.12	311.89	0.44	ppb
Zirconium	90-1	6.08	6.01	6.05	6.04	0.58	ppb
Zirconium	91-1	6.15	6.19	6.17	6.17	0.40	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD5K5L	Dilution Factor :	5
Date & Time Acquired :	2024-10-04 19:07:28	DataFile Name :	099AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8712.81	8818.79	8737.65	8756.42	0.63	ppb
Antimony	121-1	0.34	0.34	0.34	0.34	0.54	ppb
Arsenic	75-2	34.84	35.39	35.68	35.30	1.21	ppb
Barium	135-1	89.19	91.23	89.69	90.04	1.18	ppb
Barium	137-1	90.92	92.91	91.88	91.90	1.08	ppb
Beryllium	9-1	0.26	0.25	0.27	0.26	2.36	ppb
Bismuth	209-1				95		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	0.32	0.30	0.26	0.29	10.68	ppb
Cadmium	106-1	-4.61	-4.80	-5.24	-4.88		ppb
Cadmium	111-1	-0.24	-0.26	-0.30	-0.27		ppb
Calcium	43-1	1702.11	1737.55	1768.67	1736.11	1.92	ppb
Calcium	44-1	1785.93	1789.40	1827.79	1801.04	1.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	28.33	28.40	28.62	28.45	0.53	ppb
Cobalt	59-2	16.90	17.01	17.11	17.01	0.63	ppb
Copper	63-2	43.28	43.32	43.56	43.39	0.35	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				97		%
Holmium	165-2				91		%
Indium	115-1				91		%
Indium	115-2				84		%
Iron	54-2	38910.48	38813.24	38735.97	38819.90	0.23	ppb
Iron	56-2	39191.97	39317.84	39400.26	39303.36	0.27	ppb
Iron	57-2	39854.93	39118.54	39117.74	39363.73	1.08	ppb
Krypton	83-1						cps
Lead	206-1	10.88	10.90	10.81	10.86	0.46	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD5K5L	Dilution Factor :	5
Date & Time Acquired :	2024-10-04 19:07:28	DataFile Name :	099AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	11.54	11.36	11.36	11.42	0.90	ppb
Lead	208-1	11.17	11.15	11.07	11.13	0.44	ppb
Lithium	6-1				70		%
Magnesium	24-2	5905.10	5748.53	5865.63	5839.75	1.39	ppb
Manganese	55-2	1850.31	1852.99	1868.54	1857.28	0.53	ppb
Molybdenum	94-1	2.47	2.52	2.50	2.50	1.07	ppb
Molybdenum	95-1	0.45	0.48	0.49	0.47	3.49	ppb
Molybdenum	96-1	0.77	0.81	0.80	0.79	2.31	ppb
Molybdenum	97-1	0.43	0.46	0.44	0.45	3.64	ppb
Molybdenum	98-1	0.43	0.44	0.44	0.44	1.78	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	21.90	21.82	21.85	21.86	0.18	ppb
Phosphorus	31-2	344.22	334.21	304.75	327.73	6.26	ppb
Potassium	39-2	1780.69	1773.75	1777.99	1777.47	0.20	ppb
Rhodium	103-1				85		%
Rhodium	103-2				82		%
Scandium	45-1				82		%
Scandium	45-2				73		%
Selenium	82-1	-0.43	-0.29	-0.12	-0.28		ppb
Selenium	77-2	6.09	5.80	5.50	5.80	5.06	ppb
Selenium	78-2	2.41	1.65	1.76	1.94	21.12	ppb
Silicon	28-1	210.10	212.22	212.93	211.75	0.69	ppb
Silver	107-1	0.06	0.06	0.06	0.06	2.61	ppb
Silver	109-1	0.04	0.04	0.04	0.04	8.23	ppb
Sodium	23-2	18.99	19.28	19.45	19.24	1.23	ppb
Strontium	86-1	15.18	15.78	15.23	15.40	2.16	ppb
Strontium	88-1	15.16	15.47	15.32	15.32	1.02	ppb
Sulfur	34-1	-799.05	-766.87	-717.03	-760.98		ppb
Terbium	159-1				95		%
Terbium	159-2				91		%
Thallium	203-1	0.05	0.05	0.05	0.05	3.44	ppb
Thallium	205-1	0.05	0.06	0.05	0.05	0.95	ppb
Tin	118-1	0.49	0.51	0.50	0.50	2.28	ppb
Titanium	47-1	159.82	160.30	162.16	160.76	0.77	ppb
Uranium	238-1	0.18	0.18	0.18	0.18	0.88	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD5K5L	Dilution Factor :	5
Date & Time Acquired :	2024-10-04 19:07:28	DataFile Name :	099AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	57.42	56.83	57.08	57.11	0.52	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				88		%
Yttrium	89-2				82		%
Zinc	66-2	67.60	66.14	67.57	67.10	1.24	ppb
Zirconium	90-1	1.18	1.23	1.21	1.20	2.13	ppb
Zirconium	91-1	1.20	1.21	1.24	1.22	1.68	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-03	Instrumnet Name :	P8
Client Sample ID :	MYD5K5S	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:10:42	DataFile Name :	100AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	40708.92	40963.15	40754.71	40808.93	0.33	ppb
Antimony	121-1	57.23	58.22	56.93	57.46	1.18	ppb
Arsenic	75-2	192.79	190.56	189.30	190.88	0.93	ppb
Barium	135-1	1613.34	1598.88	1583.14	1598.45	0.95	ppb
Barium	137-1	1621.31	1632.66	1588.84	1614.27	1.41	ppb
Beryllium	9-1	26.75	26.42	26.19	26.45	1.06	ppb
Bismuth	209-1				89		%
Bismuth	209-2				84		%
Bromine	81-1						cps
Cadmium	108-1	22.50	23.01	22.53	22.68	1.26	ppb
Cadmium	106-1	17.96	18.67	18.66	18.43	2.21	ppb
Cadmium	111-1	27.97	27.80	27.56	27.78	0.73	ppb
Calcium	43-1	8381.68	8261.02	8174.54	8272.42	1.26	ppb
Calcium	44-1	8643.55	8489.87	8354.89	8496.10	1.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	257.78	257.39	248.32	254.50	2.10	ppb
Cobalt	59-2	369.70	372.00	375.28	372.32	0.75	ppb
Copper	63-2	344.00	344.72	346.66	345.13	0.40	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				93		%
Holmium	165-2				88		%
Indium	115-1				86		%
Indium	115-2				82		%
Iron	54-2	182126.24	181455.88	180028.43	181203.52	0.59	ppb
Iron	56-2	178881.07	180744.94	180036.73	179887.58	0.52	ppb
Iron	57-2	183670.73	182500.25	182932.17	183034.38	0.32	ppb
Krypton	83-1						cps
Lead	206-1	69.06	65.78	67.87	67.57	2.46	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-03	Instrumnet Name :	P8
Client Sample ID :	MYD5K5S	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:10:42	DataFile Name :	100AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	70.77	68.97	69.37	69.71	1.35	ppb
Lead	208-1	70.71	69.11	69.47	69.76	1.20	ppb
Lithium	6-1				70		%
Magnesium	24-2	27026.82	27116.30	26855.26	26999.46	0.49	ppb
Manganese	55-2	8964.50	9027.69	8924.10	8972.09	0.58	ppb
Molybdenum	94-1	12.20	12.42	12.37	12.33	0.91	ppb
Molybdenum	95-1	2.26	2.25	2.26	2.25	0.33	ppb
Molybdenum	96-1	3.87	3.91	3.88	3.89	0.57	ppb
Molybdenum	97-1	2.18	2.21	2.19	2.19	0.74	ppb
Molybdenum	98-1	2.14	2.19	2.17	2.17	1.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	382.00	382.18	380.60	381.59	0.23	ppb
Phosphorus	31-2	1649.84	1639.51	1655.63	1648.33	0.50	ppb
Potassium	39-2	8556.04	8686.24	8594.24	8612.18	0.78	ppb
Rhodium	103-1				80		%
Rhodium	103-2				78		%
Scandium	45-1				85		%
Scandium	45-2				77		%
Selenium	82-1	62.29	63.47	61.98	62.58	1.26	ppb
Selenium	77-2	86.36	86.60	91.61	88.19	3.36	ppb
Selenium	78-2	60.86	68.30	64.56	64.57	5.76	ppb
Silicon	28-1	1050.40	1037.49	1012.55	1033.48	1.86	ppb
Silver	107-1	26.47	26.57	26.12	26.38	0.88	ppb
Silver	109-1	27.88	28.10	27.76	27.91	0.63	ppb
Sodium	23-2	102.93	103.09	103.19	103.07	0.13	ppb
Strontium	86-1	74.11	76.28	74.68	75.02	1.50	ppb
Strontium	88-1	77.36	79.23	76.11	77.57	2.02	ppb
Sulfur	34-1	-415.57	-547.34	-635.23	-532.71		ppb
Terbium	159-1				92		%
Terbium	159-2				89		%
Thallium	203-1	29.03	28.48	28.71	28.74	0.96	ppb
Thallium	205-1	30.74	29.47	29.40	29.87	2.53	ppb
Tin	118-1	2.49	2.52	2.46	2.49	1.32	ppb
Titanium	47-1	794.79	782.78	773.16	783.57	1.38	ppb
Uranium	238-1	0.95	0.94	0.95	0.95	0.77	ppb

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-03	Instrumnet Name :	P8
Client Sample ID :	MYD5K5S	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:10:42	DataFile Name :	100AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	556.17	557.96	560.26	558.13	0.37	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				89		%
Yttrium	89-2				83		%
Zinc	66-2	596.57	591.88	584.18	590.87	1.06	ppb
Zirconium	90-1	5.95	6.07	5.98	6.00	1.08	ppb
Zirconium	91-1	6.07	6.18	6.07	6.11	0.96	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD5K5SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:13:43	DataFile Name :	101AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	43484.48	43475.61	43147.43	43369.17	0.44	ppb
Antimony	121-1	266.87	264.86	258.16	263.30	1.73	ppb
Arsenic	75-2	262.73	264.38	262.92	263.34	0.34	ppb
Barium	135-1	5915.71	5870.82	5838.03	5874.86	0.66	ppb
Barium	137-1	5976.79	5899.67	5882.91	5919.79	0.85	ppb
Beryllium	9-1	120.51	121.19	117.98	119.89	1.41	ppb
Bismuth	209-1				87		%
Bismuth	209-2				84		%
Bromine	81-1						cps
Cadmium	108-1	98.01	97.84	96.88	97.58	0.62	ppb
Cadmium	106-1	92.81	92.16	90.40	91.79	1.36	ppb
Cadmium	111-1	128.46	126.63	126.93	127.34	0.77	ppb
Calcium	43-1	8146.20	8143.35	8180.24	8156.59	0.25	ppb
Calcium	44-1	8396.28	8365.81	8349.43	8370.51	0.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	687.08	685.86	678.72	683.89	0.66	ppb
Cobalt	59-2	1469.80	1465.67	1482.62	1472.70	0.60	ppb
Copper	63-2	865.77	856.77	866.18	862.91	0.62	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				92		%
Holmium	165-2				89		%
Indium	115-1				85		%
Indium	115-2				81		%
Iron	54-2	179608.00	179624.45	180697.49	179976.65	0.35	ppb
Iron	56-2	179719.61	181095.99	180419.84	180411.82	0.38	ppb
Iron	57-2	182505.86	180404.20	182979.54	181963.20	0.75	ppb
Krypton	83-1						cps
Lead	206-1	115.10	111.39	111.67	112.72	1.83	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD5K5SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:13:43	DataFile Name :	101AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	117.09	116.07	114.37	115.84	1.18	ppb
Lead	208-1	114.57	113.56	113.00	113.71	0.70	ppb
Lithium	6-1				68		%
Magnesium	24-2	26089.91	26565.31	26052.14	26235.79	1.09	ppb
Manganese	55-2	9726.21	9959.47	9736.08	9807.25	1.35	ppb
Molybdenum	94-1	12.40	12.60	12.20	12.40	1.63	ppb
Molybdenum	95-1	2.18	2.25	2.24	2.22	1.74	ppb
Molybdenum	96-1	3.82	3.90	3.80	3.84	1.46	ppb
Molybdenum	97-1	2.11	2.16	2.17	2.15	1.58	ppb
Molybdenum	98-1	2.15	2.20	2.18	2.18	1.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1500.70	1506.31	1528.83	1511.95	0.98	ppb
Phosphorus	31-2	1622.01	1621.59	1576.85	1606.81	1.62	ppb
Potassium	39-2	8407.33	8558.91	8281.91	8416.05	1.65	ppb
Rhodium	103-1				79		%
Rhodium	103-2				78		%
Scandium	45-1				83		%
Scandium	45-2				76		%
Selenium	82-1	28.43	29.41	29.27	29.04	1.82	ppb
Selenium	77-2	56.11	62.05	53.73	57.30	7.48	ppb
Selenium	78-2	30.40	32.06	35.86	32.77	8.54	ppb
Silicon	28-1	1044.09	1040.55	1041.16	1041.93	0.18	ppb
Silver	107-1	130.27	128.67	126.94	128.62	1.29	ppb
Silver	109-1	138.34	134.68	135.71	136.24	1.38	ppb
Sodium	23-2	111.80	112.91	111.85	112.18	0.56	ppb
Strontium	86-1	73.80	74.69	73.48	73.99	0.85	ppb
Strontium	88-1	76.96	75.54	75.54	76.02	1.08	ppb
Sulfur	34-1	-495.60	-547.80	-554.23	-532.54		ppb
Terbium	159-1				90		%
Terbium	159-2				89		%
Thallium	203-1	138.55	134.15	134.79	135.83	1.75	ppb
Thallium	205-1	138.44	133.51	136.26	136.07	1.82	ppb
Tin	118-1	2.46	2.41	2.43	2.44	1.09	ppb
Titanium	47-1	782.30	774.65	781.78	779.57	0.55	ppb
Uranium	238-1	0.94	0.92	0.93	0.93	1.29	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD5K5SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:13:43	DataFile Name :	101AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	1573.69	1572.35	1574.74	1573.59	0.08	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				87		%
Yttrium	89-2				83		%
Zinc	66-2	1629.65	1641.57	1645.20	1638.81	0.50	ppb
Zirconium	90-1	6.02	6.06	6.00	6.03	0.45	ppb
Zirconium	91-1	6.10	6.32	6.24	6.22	1.78	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-04	Instrumnet Name :	P8
Client Sample ID :	MYD5N0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:16:41	DataFile Name :	102AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46256.98	47092.08	47229.45	46859.51	1.12	ppb
Antimony	121-1	1.30	1.31	1.35	1.32	1.86	ppb
Arsenic	75-2	197.36	198.09	198.59	198.01	0.31	ppb
Barium	135-1	385.42	384.83	380.29	383.52	0.73	ppb
Barium	137-1	384.56	383.73	384.55	384.28	0.12	ppb
Beryllium	9-1	1.28	1.18	1.21	1.22	4.27	ppb
Bismuth	209-1				87		%
Bismuth	209-2				82		%
Bromine	81-1						cps
Cadmium	108-1	1.13	1.24	1.09	1.15	6.75	ppb
Cadmium	106-1	-2.88	-3.54	-3.20	-3.21		ppb
Cadmium	111-1	0.19	0.10	0.15	0.15	29.33	ppb
Calcium	43-1	8172.16	8180.23	8254.47	8202.29	0.55	ppb
Calcium	44-1	8409.35	8491.69	8507.13	8469.39	0.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	164.09	164.78	162.44	163.77	0.73	ppb
Cobalt	59-2	77.93	78.23	78.15	78.10	0.20	ppb
Copper	63-2	192.37	191.34	193.53	192.41	0.57	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				92		%
Holmium	165-2				87		%
Indium	115-1				84		%
Indium	115-2				80		%
Iron	54-2	158569.28	160389.05	157487.42	158815.25	0.92	ppb
Iron	56-2	158615.66	158927.86	158863.14	158802.22	0.10	ppb
Iron	57-2	159752.55	159344.70	159168.32	159421.85	0.19	ppb
Krypton	83-1						cps
Lead	206-1	28.15	28.97	28.72	28.61	1.47	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-04	Instrumnet Name :	P8
Client Sample ID :	MYD5N0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:16:41	DataFile Name :	102AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	28.83	29.87	29.78	29.49	1.95	ppb
Lead	208-1	28.55	29.30	29.17	29.01	1.38	ppb
Lithium	6-1				67		%
Magnesium	24-2	35709.44	36094.63	36385.61	36063.22	0.94	ppb
Manganese	55-2	5983.23	6050.41	5918.61	5984.08	1.10	ppb
Molybdenum	94-1	8.34	8.14	8.42	8.30	1.75	ppb
Molybdenum	95-1	1.76	1.71	1.71	1.73	1.80	ppb
Molybdenum	96-1	2.92	3.01	2.97	2.97	1.53	ppb
Molybdenum	97-1	1.69	1.69	1.73	1.70	1.20	ppb
Molybdenum	98-1	1.67	1.66	1.65	1.66	0.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	118.23	117.66	118.31	118.07	0.30	ppb
Phosphorus	31-2	1440.74	1462.34	1487.09	1463.39	1.59	ppb
Potassium	39-2	7459.27	7492.55	7544.73	7498.85	0.57	ppb
Rhodium	103-1				77		%
Rhodium	103-2				76		%
Scandium	45-1				85		%
Scandium	45-2				77		%
Selenium	82-1	0.05	0.13	-0.50	-0.11		ppb
Selenium	77-2	31.42	33.81	38.20	34.48	9.97	ppb
Selenium	78-2	6.32	8.56	6.06	6.98	19.72	ppb
Silicon	28-1	1064.57	1056.55	1054.96	1058.69	0.49	ppb
Silver	107-1	0.23	0.22	0.22	0.22	2.37	ppb
Silver	109-1	0.13	0.12	0.11	0.12	10.06	ppb
Sodium	23-2	100.18	100.87	101.10	100.72	0.48	ppb
Strontium	86-1	64.82	64.24	65.40	64.82	0.89	ppb
Strontium	88-1	67.01	65.69	65.94	66.21	1.06	ppb
Sulfur	34-1	-884.80	-903.53	-923.68	-904.00		ppb
Terbium	159-1				91		%
Terbium	159-2				87		%
Thallium	203-1	0.23	0.24	0.23	0.24	1.84	ppb
Thallium	205-1	0.24	0.24	0.23	0.24	2.49	ppb
Tin	118-1	2.41	2.41	2.38	2.40	0.84	ppb
Titanium	47-1	689.53	692.14	700.68	694.12	0.84	ppb
Uranium	238-1	0.78	0.78	0.78	0.78	0.33	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-04	Instrumnet Name :	P8
Client Sample ID :	MYD5N0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:16:41	DataFile Name :	102AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	353.00	365.01	359.72	359.24	1.68	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				87		%
Yttrium	89-2				81		%
Zinc	66-2	234.67	234.80	233.64	234.37	0.27	ppb
Zirconium	90-1	3.92	3.88	3.96	3.92	1.10	ppb
Zirconium	91-1	4.08	3.96	4.21	4.08	3.07	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-05	Instrumnet Name :	P8
Client Sample ID :	MYD5N1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:19:46	DataFile Name :	103AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46783.75	47067.00	46662.10	46837.61	0.44	ppb
Antimony	121-1	1.04	1.01	1.03	1.03	1.53	ppb
Arsenic	75-2	190.40	189.89	189.40	189.89	0.26	ppb
Barium	135-1	463.89	452.40	460.94	459.08	1.30	ppb
Barium	137-1	466.40	454.01	453.95	458.12	1.57	ppb
Beryllium	9-1	1.26	1.23	1.26	1.25	1.28	ppb
Bismuth	209-1				86		%
Bismuth	209-2				81		%
Bromine	81-1						cps
Cadmium	108-1	1.39	1.29	1.21	1.30	6.79	ppb
Cadmium	106-1	-2.91	-2.78	-1.99	-2.56		ppb
Cadmium	111-1	0.37	0.33	0.43	0.38	12.50	ppb
Calcium	43-1	7590.19	7550.91	7413.88	7518.32	1.23	ppb
Calcium	44-1	7827.31	7825.31	7636.57	7763.07	1.41	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	177.55	177.43	178.32	177.77	0.27	ppb
Cobalt	59-2	83.65	83.61	84.49	83.91	0.59	ppb
Copper	63-2	187.91	190.53	187.30	188.58	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				91		%
Holmium	165-2				87		%
Indium	115-1				83		%
Indium	115-2				79		%
Iron	54-2	159364.83	157060.14	161517.75	159314.24	1.40	ppb
Iron	56-2	159021.78	161527.85	161326.66	160625.43	0.87	ppb
Iron	57-2	162776.43	158908.33	163486.69	161723.82	1.52	ppb
Krypton	83-1						cps
Lead	206-1	37.20	37.91	36.92	37.34	1.37	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-05	Instrumnet Name :	P8
Client Sample ID :	MYD5N1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:19:46	DataFile Name :	103AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	38.79	39.03	38.62	38.81	0.53	ppb
Lead	208-1	38.68	38.87	37.73	38.43	1.58	ppb
Lithium	6-1				66		%
Magnesium	24-2	36503.64	36613.48	36370.71	36495.94	0.33	ppb
Manganese	55-2	7076.48	7171.17	7179.62	7142.42	0.80	ppb
Molybdenum	94-1	9.22	9.07	9.06	9.12	0.97	ppb
Molybdenum	95-1	1.76	1.73	1.72	1.74	1.22	ppb
Molybdenum	96-1	3.10	3.03	3.02	3.05	1.44	ppb
Molybdenum	97-1	1.69	1.66	1.68	1.68	0.96	ppb
Molybdenum	98-1	1.71	1.68	1.67	1.69	1.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	124.34	124.19	124.85	124.46	0.28	ppb
Phosphorus	31-2	1765.16	1814.08	1825.43	1801.56	1.78	ppb
Potassium	39-2	9116.49	9042.72	9207.39	9122.20	0.90	ppb
Rhodium	103-1				77		%
Rhodium	103-2				77		%
Scandium	45-1				84		%
Scandium	45-2				76		%
Selenium	82-1	0.19	0.10	0.14	0.14	33.06	ppb
Selenium	77-2	33.51	33.73	34.17	33.80	0.99	ppb
Selenium	78-2	7.02	7.87	7.22	7.37	6.04	ppb
Silicon	28-1	1343.57	1316.56	1309.37	1323.16	1.36	ppb
Silver	107-1	0.24	0.23	0.23	0.23	1.69	ppb
Silver	109-1	0.12	0.12	0.13	0.13	0.90	ppb
Sodium	23-2	103.69	104.12	104.51	104.10	0.40	ppb
Strontium	86-1	64.54	64.04	63.02	63.87	1.22	ppb
Strontium	88-1	66.10	63.96	64.07	64.71	1.86	ppb
Sulfur	34-1	-811.91	-889.63	-954.83	-885.46		ppb
Terbium	159-1				90		%
Terbium	159-2				86		%
Thallium	203-1	0.25	0.24	0.24	0.25	2.61	ppb
Thallium	205-1	0.25	0.25	0.24	0.25	2.25	ppb
Tin	118-1	2.31	2.29	2.31	2.30	0.71	ppb
Titanium	47-1	686.88	683.36	662.33	677.52	1.96	ppb
Uranium	238-1	0.80	0.80	0.81	0.80	0.34	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-05	Instrumnet Name :	P8
Client Sample ID :	MYD5N1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:19:46	DataFile Name :	103AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	342.37	338.72	343.43	341.51	0.72	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				87		%
Yttrium	89-2				82		%
Zinc	66-2	274.25	273.86	275.15	274.42	0.24	ppb
Zirconium	90-1	4.43	4.40	4.34	4.39	0.99	ppb
Zirconium	91-1	4.59	4.56	4.49	4.55	1.10	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV010	Instrumnet Name :	P8
Client Sample ID :	CCV010	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:26:39	DataFile Name :	105CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48878.36	48604.09	48903.41	48795.28	0.34	ppb
Antimony	121-1	450.63	476.66	488.97	472.09	4.15	ppb
Arsenic	75-2	522.49	500.97	502.53	508.66	2.36	ppb
Barium	135-1	2401.00	2487.94	2580.55	2489.83	3.61	ppb
Barium	137-1	2414.08	2515.23	2580.69	2503.33	3.35	ppb
Beryllium	9-1	489.14	498.98	510.04	499.39	2.09	ppb
Bismuth	209-1				75		%
Bismuth	209-2				71		%
Bromine	81-1						cps
Cadmium	108-1	461.52	480.02	498.98	480.17	3.90	ppb
Cadmium	106-1	460.04	475.39	498.78	478.07	4.08	ppb
Cadmium	111-1	469.92	486.29	503.47	486.56	3.45	ppb
Calcium	43-1	246700.11	252334.98	258054.77	252363.29	2.25	ppb
Calcium	44-1	250192.17	255059.19	260343.17	255198.17	1.99	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	520.30	510.34	513.60	514.75	0.99	ppb
Cobalt	59-2	527.57	514.42	504.99	515.66	2.20	ppb
Copper	63-2	5148.34	5040.42	4929.75	5039.50	2.17	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				86		%
Holmium	165-2				82		%
Indium	115-1				77		%
Indium	115-2				78		%
Iron	54-2	133667.78	129370.87	132672.07	131903.57	1.71	ppb
Iron	56-2	134594.36	131212.94	129730.73	131846.01	1.89	ppb
Iron	57-2	134359.63	132543.73	132595.61	133166.33	0.78	ppb
Krypton	83-1						cps
Lead	206-1	2484.68	2543.55	2598.79	2542.34	2.24	ppb

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV010	Instrumnet Name :	P8
Client Sample ID :	CCV010	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:26:39	DataFile Name :	105CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2390.43	2539.34	2597.31	2509.03	4.25	ppb
Lead	208-1	2440.41	2537.37	2594.73	2524.17	3.09	ppb
Lithium	6-1				68		%
Magnesium	24-2	252321.88	248629.81	250171.60	250374.43	0.74	ppb
Manganese	55-2	5455.44	5250.41	5355.97	5353.94	1.92	ppb
Molybdenum	94-1	4791.07	4991.02	5058.12	4946.74	2.81	ppb
Molybdenum	95-1	4938.58	5079.50	5110.20	5042.76	1.81	ppb
Molybdenum	96-1	4904.49	5012.96	5084.93	5000.79	1.82	ppb
Molybdenum	97-1	4836.48	4985.40	5058.77	4960.21	2.28	ppb
Molybdenum	98-1	4908.72	5054.48	5089.51	5017.57	1.91	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	484.30	473.11	470.57	475.99	1.53	ppb
Phosphorus	31-2	9764.81	9619.79	9659.70	9681.43	0.77	ppb
Potassium	39-2	126924.97	122040.80	123120.37	124028.71	2.07	ppb
Rhodium	103-1				70		%
Rhodium	103-2				68		%
Scandium	45-1				78		%
Scandium	45-2				74		%
Selenium	82-1	482.73	494.31	511.32	496.12	2.90	ppb
Selenium	77-2	510.11	483.57	473.41	489.03	3.87	ppb
Selenium	78-2	510.57	502.40	486.62	499.86	2.44	ppb
Silicon	28-1	603.36	610.14	624.54	612.68	1.77	ppb
Silver	107-1	476.24	494.99	516.92	496.05	4.10	ppb
Silver	109-1	490.15	504.20	516.31	503.55	2.60	ppb
Sodium	23-2	261331.27	250852.21	253828.67	255337.38	2.11	ppb
Strontium	86-1	12292.21	12707.08	13056.66	12685.32	3.02	ppb
Strontium	88-1	12259.59	12705.90	12900.86	12622.12	2.60	ppb
Sulfur	34-1	9474.19	9591.88	10028.87	9698.31	3.01	ppb
Terbium	159-1				85		%
Terbium	159-2				82		%
Thallium	203-1	503.21	506.50	516.65	508.79	1.38	ppb
Thallium	205-1	504.76	512.65	528.31	515.24	2.33	ppb
Tin	118-1	452.08	472.97	494.78	473.28	4.51	ppb
Titanium	47-1	4947.53	5020.89	5150.02	5039.48	2.03	ppb
Uranium	238-1	511.98	526.04	540.29	526.10	2.69	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV010	Instrumnet Name :	P8
Client Sample ID :	CCV010	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:26:39	DataFile Name :	105CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	518.98	501.02	512.60	510.87	1.78	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				81		%
Yttrium	89-2				80		%
Zinc	66-2	5231.91	5161.26	5059.93	5151.03	1.68	ppb
Zirconium	90-1	482.71	502.55	512.87	499.38	3.07	ppb
Zirconium	91-1	494.44	506.26	513.72	504.81	1.93	ppb

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB010	Instrumnet Name :	P8
Client Sample ID :	CCB010	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:29:35	DataFile Name :	106CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.29	0.39	0.52	0.40	29.33	ppb
Antimony	121-1	0.18	0.22	0.32	0.24	30.97	ppb
Arsenic	75-2	0.04	0.08	0.04	0.05	40.25	ppb
Barium	135-1	0.14	0.19	0.13	0.15	21.44	ppb
Barium	137-1	0.16	0.14	0.12	0.14	15.63	ppb
Beryllium	9-1	0.11	0.11	0.10	0.11	6.97	ppb
Bismuth	209-1				92		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Cadmium	108-1	0.08	0.02	0.05	0.05	55.67	ppb
Cadmium	106-1	-5.08	-4.82	-3.85	-4.58		ppb
Cadmium	111-1	-0.40	-0.37	-0.30	-0.36		ppb
Calcium	43-1	4.37	5.69	4.34	4.80	16.11	ppb
Calcium	44-1	1.97	3.34	1.85	2.39	34.73	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	0.00	0.00	-0.01		ppb
Cobalt	59-2	0.03	0.04	0.04	0.04	11.56	ppb
Copper	63-2	0.43	0.51	0.43	0.46	9.77	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				92		%
Holmium	165-2				94		%
Indium	115-1				89		%
Indium	115-2				91		%
Iron	54-2	4.18	5.19	4.00	4.46	14.43	ppb
Iron	56-2	4.34	4.05	4.64	4.34	6.73	ppb
Iron	57-2	3.64	4.91	3.65	4.07	17.99	ppb
Krypton	83-1						cps
Lead	206-1	0.16	0.16	0.14	0.16	7.59	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB010	Instrumnet Name :	P8
Client Sample ID :	CCB010	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:29:35	DataFile Name :	106CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.18	0.19	0.13	0.17	18.51	ppb
Lead	208-1	0.16	0.17	0.13	0.16	12.67	ppb
Lithium	6-1				72		%
Magnesium	24-2	3.08	3.28	2.53	2.96	13.12	ppb
Manganese	55-2	0.54	0.61	0.56	0.57	6.74	ppb
Molybdenum	94-1	0.33	0.37	0.33	0.34	7.53	ppb
Molybdenum	95-1	0.22	0.21	0.23	0.22	4.16	ppb
Molybdenum	96-1	0.25	0.26	0.23	0.25	4.73	ppb
Molybdenum	97-1	0.21	0.22	0.24	0.22	7.58	ppb
Molybdenum	98-1	0.22	0.24	0.20	0.22	8.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.03	0.01	-0.01	0.01	197.37	ppb
Phosphorus	31-2	-31.45	-27.66	-34.34	-31.15		ppb
Potassium	39-2	2.88	3.72	2.80	3.13	16.36	ppb
Rhodium	103-1				85		%
Rhodium	103-2				86		%
Scandium	45-1				82		%
Scandium	45-2				78		%
Selenium	82-1	-0.13	-0.13	-0.35	-0.21		ppb
Selenium	77-2	-0.09	-0.09	-0.09	-0.09		ppb
Selenium	78-2	-0.30	0.30	-0.02	-0.01		ppb
Silicon	28-1	-1.60	-0.38	-1.18	-1.05		ppb
Silver	107-1	0.03	0.03	0.03	0.03	11.78	ppb
Silver	109-1	0.04	0.03	0.03	0.03	13.68	ppb
Sodium	23-2	15.91	17.73	15.22	16.29	7.95	ppb
Strontium	86-1	0.29	0.25	0.19	0.24	20.77	ppb
Strontium	88-1	0.36	0.36	0.18	0.30	34.76	ppb
Sulfur	34-1	-817.84	-231.22	-576.45	-541.83		ppb
Terbium	159-1				91		%
Terbium	159-2				93		%
Thallium	203-1	0.08	0.09	0.06	0.08	15.72	ppb
Thallium	205-1	0.08	0.08	0.07	0.08	10.09	ppb
Tin	118-1	0.04	0.05	0.04	0.04	12.38	ppb
Titanium	47-1	0.14	0.06	0.05	0.08	54.81	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	27.50	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB010	Instrumnet Name :	P8
Client Sample ID :	CCB010	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:29:35	DataFile Name :	106CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.01	0.01	0.01	0.01	19.42	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				86		%
Yttrium	89-2				86		%
Zinc	66-2	-0.01	-0.03	-0.02	-0.02		ppb
Zirconium	90-1	0.08	0.09	0.08	0.09	6.66	ppb
Zirconium	91-1	0.10	0.09	0.08	0.09	11.76	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:01:24	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	293	280	330	301	8.60	cps
Antimony	121-1	130	163	210	168	23.95	cps
Arsenic	75-2	3	0	3	2	86.60	cps
Barium	135-1	243	240	260	248	4.33	cps
Barium	137-1	350	363	357	357	1.87	cps
Beryllium	9-1	202	228	205	212	6.65	cps
Bismuth	209-1	30408754	30329990	30076575	30271773	0.57	cps
Bismuth	209-2	13315496	13124887	13146667	13195683	0.79	cps
Bromine	81-1	19220	19631	19280	19377	1.14	cps
Cadmium	108-1	107	67	60	78	32.45	cps
Cadmium	106-1	33210	32715	32201	32709	1.54	cps
Cadmium	111-1	23186	22857	22522	22855	1.45	cps
Calcium	43-1	793	813	667	758	10.50	cps
Calcium	44-1	18268	17297	17374	17646	3.06	cps
Carbon	12-1	4437490	4341812	4350088	4376464	1.21	cps
Carbon	12-2	42755	42364	41893	42337	1.02	cps
Chlorine	35-1	185221	183801	182930	183984	0.63	cps
Chlorine	35-2	843	787	900	843	6.72	cps
Chromium	52-2	1317	1343	1230	1297	4.57	cps
Cobalt	59-2	207	227	180	204	11.45	cps
Copper	63-2	8069	7716	8152	7979	2.91	cps
Dysprosium	156-1	900	890	877	889	1.32	cps
Dysprosium	156-2	27	70	60	52	43.44	cps
Erbium	164-1	340	313	400	351	12.64	cps
Erbium	164-2	150	100	130	127	19.87	cps
Gadolinium	160-1	633	640	643	639	0.80	cps
Gadolinium	160-2	727	860	800	796	8.39	cps
Holmium	165-1	48836023	47992788	47883634	48237482	1.08	cps
Holmium	165-2	18451973	17952076	18063829	18155959	1.45	cps
Indium	115-1	38109360	36894550	37384996	37462969	1.63	cps
Indium	115-2	4930988	4882323	4848245	4887185	0.85	cps
Iron	54-2	1080	1177	1147	1135	4.36	cps
Iron	56-2	10764	11238	11061	11021	2.17	cps
Iron	57-2	340	383	363	362	5.99	cps
Krypton	83-1	260	207	243	237	11.53	cps
Lead	206-1	847	813	703	788	9.52	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:01:24	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	710	690	747	716	4.02	cps
Lead	208-1	3290	3174	3137	3200	2.50	cps
Lithium	6-1	19638214	19146975	19307494	19364228	1.29	cps
Magnesium	24-2	817	773	663	751	10.52	cps
Manganese	55-2	1103	1103	1190	1132	4.42	cps
Molybdenum	94-1	897	877	823	866	4.38	cps
Molybdenum	95-1	207	193	167	189	10.78	cps
Molybdenum	96-1	387	387	367	380	3.04	cps
Molybdenum	97-1	153	120	113	129	16.63	cps
Molybdenum	98-1	360	313	300	324	9.71	cps
Neodymium	150-1	27	50	33	37	32.78	cps
Neodymium	150-2	10	13	7	10	33.30	cps
Nickel	60-2	433	453	430	439	2.88	cps
Phosphorus	31-2	333	347	313	331	5.07	cps
Potassium	39-2	18021	17457	18058	17846	1.89	cps
Rhodium	103-1	36123714	35970059	35934469	36009414	0.28	cps
Rhodium	103-2	14675192	14357953	14502474	14511873	1.09	cps
Scandium	45-1	25444004	24974837	25253485	25224109	0.94	cps
Scandium	45-2	710947	707097	708509	708851	0.27	cps
Selenium	82-1	-37	20	-47	-21	-170.29	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	17	27	17	20	28.86	cps
Silicon	28-1	755766	748625	746609	750333	0.64	cps
Silver	107-1	541	451	454	482	10.65	cps
Silver	109-1	93	127	87	102	20.97	cps
Sodium	23-2	26133	25636	25599	25789	1.16	cps
Strontium	86-1	633	517	370	507	26.04	cps
Strontium	88-1	1630	907	1070	1202	31.56	cps
Sulfur	34-1	731987	723415	721388	725597	0.78	cps
Terbium	159-1	49720658	49223316	48697388	49213787	1.04	cps
Terbium	159-2	18163525	17946786	17472853	17861055	1.98	cps
Thallium	203-1	380	350	403	378	7.08	cps
Thallium	205-1	873	817	930	873	6.49	cps
Tin	118-1	2484	2554	2494	2510	1.51	cps
Titanium	47-1	617	567	567	583	4.95	cps
Uranium	238-1	117	113	170	133	23.85	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:01:24	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	10	17	13	13	25.01	cps
Ytterbium	172-1	333	293	287	304	8.29	cps
Ytterbium	172-2	117	133	127	126	6.68	cps
Ytterbium	176-1	12733	11895	11972	12200	3.79	cps
Ytterbium	176-2	65606	66352	65421	65793	0.75	cps
Yttrium	89-1	56046151	55883378	54588333	55505954	1.44	cps
Yttrium	89-2	5211377	5140780	5097733	5149963	1.11	cps
Zinc	66-2	2524	2304	2427	2418	4.56	cps
Zirconium	90-1	2860	2790	2887	2846	1.75	cps
Zirconium	91-1	410	443	483	446	8.24	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:04:42	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4761	4904	4704	4790	2.15	cps
Antimony	121-1	54351	55529	54461	54780	1.19	cps
Arsenic	75-2	683	580	643	636	8.20	cps
Barium	135-1	76655	77336	76032	76674	0.85	cps
Barium	137-1	131762	135041	134118	133640	1.27	cps
Beryllium	9-1	9860	9690	9789	9780	0.88	cps
Bismuth	209-1	30617220	30704954	30568025	30630066	0.23	cps
Bismuth	209-2	13387383	13511979	13287564	13395642	0.84	cps
Bromine	81-1	19500	20365	18829	19565	3.93	cps
Cadmium	108-1	847	787	753	796	5.95	cps
Cadmium	106-1	34356	34403	33862	34207	0.88	cps
Cadmium	111-1	31512	31794	30995	31434	1.29	cps
Calcium	43-1	55115	53851	56457	55141	2.36	cps
Calcium	44-1	890591	903982	897768	897447	0.75	cps
Carbon	12-1	4456379	4438836	4325913	4407043	1.61	cps
Carbon	12-2	43100	43230	43397	43242	0.34	cps
Chlorine	35-1	186532	185613	186994	186380	0.38	cps
Chlorine	35-2	947	990	853	930	7.51	cps
Chromium	52-2	17761	17785	17541	17695	0.76	cps
Cobalt	59-2	16056	15849	15776	15893	0.91	cps
Copper	63-2	30640	30947	30650	30746	0.57	cps
Dysprosium	156-1	823	880	927	877	5.90	cps
Dysprosium	156-2	57	53	67	59	11.79	cps
Erbium	164-1	350	303	310	321	7.86	cps
Erbium	164-2	97	123	93	104	15.74	cps
Gadolinium	160-1	690	610	677	659	6.51	cps
Gadolinium	160-2	660	900	693	751	17.31	cps
Holmium	165-1	49289888	49322278	48239354	48950506	1.26	cps
Holmium	165-2	18014769	18358747	18016173	18129896	1.09	cps
Indium	115-1	38262941	38128638	37939996	38110525	0.43	cps
Indium	115-2	4848475	4876536	4866523	4863844	0.29	cps
Iron	54-2	20802	19537	20538	20292	3.29	cps
Iron	56-2	353028	354335	353408	353590	0.19	cps
Iron	57-2	9260	8936	8970	9055	1.97	cps
Krypton	83-1	247	223	260	243	7.63	cps
Lead	206-1	27396	27366	28314	27692	1.95	cps

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:04:42	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	24440	24560	23875	24292	1.50	cps
Lead	208-1	111321	109509	111461	110764	0.98	cps
Lithium	6-1	19731854	19738500	18912077	19460810	2.44	cps
Magnesium	24-2	343506	343590	339919	342338	0.61	cps
Manganese	55-2	4441	4581	4424	4482	1.92	cps
Molybdenum	94-1	65061	65577	65262	65300	0.40	cps
Molybdenum	95-1	77568	78691	79888	78716	1.47	cps
Molybdenum	96-1	87590	87584	88208	87794	0.41	cps
Molybdenum	97-1	47979	49481	49391	48950	1.72	cps
Molybdenum	98-1	125875	127516	127119	126837	0.67	cps
Neodymium	150-1	77	63	53	64	18.17	cps
Neodymium	150-2	10	10	7	9	21.63	cps
Nickel	60-2	4764	4651	4664	4693	1.32	cps
Phosphorus	31-2	653	600	680	644	6.32	cps
Potassium	39-2	240038	239976	238536	239516	0.35	cps
Rhodium	103-1	36070703	35533986	35513184	35705958	0.89	cps
Rhodium	103-2	14306110	14381460	14178672	14288747	0.72	cps
Scandium	45-1	26207843	25840625	25740305	25929591	0.95	cps
Scandium	45-2	705949	707363	702690	705334	0.34	cps
Selenium	82-1	2550	2220	2527	2432	7.57	cps
Selenium	77-2	47	60	83	63	29.30	cps
Selenium	78-2	263	190	250	234	16.66	cps
Silicon	28-1	904962	906275	902976	904738	0.18	cps
Silver	107-1	41282	42109	43021	42137	2.06	cps
Silver	109-1	39533	40486	39807	39942	1.23	cps
Sodium	23-2	656912	663337	660774	660341	0.49	cps
Strontium	86-1	11178	11181	11265	11208	0.44	cps
Strontium	88-1	92178	93957	93181	93105	0.96	cps
Sulfur	34-1	736910	733864	734291	735022	0.22	cps
Terbium	159-1	50336704	50483091	49112169	49977321	1.51	cps
Terbium	159-2	18049635	18381923	17968228	18133262	1.21	cps
Thallium	203-1	33590	34061	33617	33756	0.78	cps
Thallium	205-1	80169	80981	81266	80805	0.70	cps
Tin	118-1	135318	137832	135345	136165	1.06	cps
Titanium	47-1	24568	24417	24584	24523	0.38	cps
Uranium	238-1	109850	111174	110380	110468	0.60	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:04:42	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	31528	32286	32146	31987	1.26	cps
Ytterbium	172-1	307	313	370	330	10.55	cps
Ytterbium	172-2	97	150	167	138	26.54	cps
Ytterbium	176-1	12806	12219	12092	12373	3.08	cps
Ytterbium	176-2	63582	66670	65853	65368	2.45	cps
Yttrium	89-1	57308214	56474789	55201713	56328239	1.88	cps
Yttrium	89-2	5042417	5103709	5115527	5087218	0.77	cps
Zinc	66-2	8156	8042	7786	7995	2.37	cps
Zirconium	90-1	57163	57371	56939	57158	0.38	cps
Zirconium	91-1	12592	12486	12469	12516	0.53	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:08:03	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	240063	240823	240286	240391	0.16	cps
Antimony	121-1	1372904	1385547	1404273	1387574	1.14	cps
Arsenic	75-2	31612	31459	31235	31435	0.60	cps
Barium	135-1	2043074	2049736	2080830	2057880	0.98	cps
Barium	137-1	3537789	3473258	3533029	3514692	1.02	cps
Beryllium	9-1	528885	527011	528370	528089	0.18	cps
Bismuth	209-1	30080250	30329090	30265805	30225048	0.43	cps
Bismuth	209-2	13121220	13142449	13155439	13139703	0.13	cps
Bromine	81-1	19350	19447	19440	19412	0.28	cps
Cadmium	108-1	36311	36070	36395	36259	0.46	cps
Cadmium	106-1	84513	83762	82857	83711	0.99	cps
Cadmium	111-1	427392	428281	429340	428338	0.23	cps
Calcium	43-1	638577	640232	644997	641269	0.52	cps
Calcium	44-1	10089604	10188121	10255609	10177778	0.82	cps
Carbon	12-1	4772566	4701931	4745657	4740051	0.75	cps
Carbon	12-2	47657	46921	46426	47002	1.32	cps
Chlorine	35-1	196934	196335	196694	196654	0.15	cps
Chlorine	35-2	987	867	973	942	6.98	cps
Chromium	52-2	418255	408336	414777	413789	1.22	cps
Cobalt	59-2	759227	765214	759950	761463	0.43	cps
Copper	63-2	6151786	6181221	6153854	6162287	0.27	cps
Dysprosium	156-1	927	947	843	906	6.05	cps
Dysprosium	156-2	70	83	80	78	8.92	cps
Erbium	164-1	417	390	313	373	14.37	cps
Erbium	164-2	137	140	173	150	13.52	cps
Gadolinium	160-1	590	667	647	634	6.27	cps
Gadolinium	160-2	743	660	813	739	10.39	cps
Holmium	165-1	48281423	49395263	49566884	49081190	1.42	cps
Holmium	165-2	17924147	17997406	18431266	18117606	1.51	cps
Indium	115-1	37998265	37335463	37856695	37730141	0.93	cps
Indium	115-2	4834522	4793922	4943311	4857252	1.59	cps
Iron	54-2	968029	944674	942654	951786	1.48	cps
Iron	56-2	17730169	17393712	17608128	17577336	0.97	cps
Iron	57-2	441359	438170	433780	437770	0.87	cps
Krypton	83-1	267	263	230	253	8.00	cps
Lead	206-1	7068202	7048805	7185216	7100741	1.04	cps

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:08:03	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	6023359	6121104	6114957	6086473	0.90	cps
Lead	208-1	27931793	28004396	28038564	27991584	0.19	cps
Lithium	6-1	19249223	19670620	19873154	19597666	1.62	cps
Magnesium	24-2	3347387	3307408	3238549	3297781	1.67	cps
Manganese	55-2	2218067	2143621	2165757	2175815	1.76	cps
Molybdenum	94-1	6089886	6078725	6032059	6066890	0.51	cps
Molybdenum	95-1	8674433	8838263	8761902	8758199	0.94	cps
Molybdenum	96-1	9756468	9584127	9679764	9673453	0.89	cps
Molybdenum	97-1	5575017	5436095	5487922	5499678	1.28	cps
Molybdenum	98-1	13984544	14174736	14037869	14065717	0.70	cps
Neodymium	150-1	353	337	353	348	2.77	cps
Neodymium	150-2	30	30	33	31	6.18	cps
Nickel	60-2	206342	207581	207786	207236	0.38	cps
Phosphorus	31-2	10764	10547	10801	10704	1.28	cps
Potassium	39-2	1162946	1154586	1155478	1157670	0.40	cps
Rhodium	103-1	35622119	35301903	35172204	35365408	0.65	cps
Rhodium	103-2	14321827	14072903	14467766	14287499	1.40	cps
Scandium	45-1	25468437	25685920	25831532	25661963	0.71	cps
Scandium	45-2	707799	705604	701435	704946	0.46	cps
Selenium	82-1	24572	24959	24936	24822	0.88	cps
Selenium	77-2	577	643	623	614	5.57	cps
Selenium	78-2	2087	2104	2237	2142	3.84	cps
Silicon	28-1	4566730	4558264	4573189	4566061	0.16	cps
Silver	107-1	2407787	2359167	2301808	2356254	2.25	cps
Silver	109-1	2145850	2104711	2148829	2133130	1.16	cps
Sodium	23-2	6745991	6562885	6547942	6618939	1.67	cps
Strontium	86-1	14070017	14096008	14088784	14084936	0.10	cps
Strontium	88-1	120016422	120878442	120098012	120330958	0.40	cps
Sulfur	34-1	949246	936396	908894	931512	2.21	cps
Terbium	159-1	50246843	50056671	49791448	50031654	0.46	cps
Terbium	159-2	17907206	18183872	18232449	18107842	0.97	cps
Thallium	203-1	1697974	1704394	1712264	1704877	0.42	cps
Thallium	205-1	4140486	4136926	4115780	4131064	0.32	cps
Tin	118-1	1383296	1390955	1396014	1390088	0.46	cps
Titanium	47-1	2689640	2670068	2721902	2693870	0.97	cps
Uranium	238-1	5846473	5758280	5741564	5782106	0.97	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:08:03	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	322764	318010	320387	320387	0.74	cps
Ytterbium	172-1	367	370	417	384	7.27	cps
Ytterbium	172-2	130	127	130	129	1.49	cps
Ytterbium	176-1	20186	19935	20449	20190	1.27	cps
Ytterbium	176-2	67548	68262	69850	68553	1.72	cps
Yttrium	89-1	56420061	56522702	56428577	56457114	0.10	cps
Yttrium	89-2	5207948	5101112	5222231	5177097	1.28	cps
Zinc	66-2	574715	582781	577148	578215	0.72	cps
Zirconium	90-1	2917682	2941756	2935661	2931700	0.43	cps
Zirconium	91-1	614351	622876	618472	618567	0.69	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:11:04	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	597617	595373	590165	594385	0.64	cps
Antimony	121-1	3530298	3537424	3541422	3536381	0.16	cps
Arsenic	75-2	77173	78464	77971	77869	0.84	cps
Barium	135-1	4966948	5163983	4996312	5042414	2.11	cps
Barium	137-1	8509221	8731823	8536913	8592652	1.41	cps
Beryllium	9-1	1320647	1295382	1348612	1321547	2.01	cps
Bismuth	209-1	30450758	29688010	29409030	29849266	1.81	cps
Bismuth	209-2	13183114	12731250	12916557	12943641	1.75	cps
Bromine	81-1	20068	20125	19587	19927	1.48	cps
Cadmium	108-1	87952	88425	89176	88518	0.70	cps
Cadmium	106-1	156982	155160	157234	156459	0.72	cps
Cadmium	111-1	1010097	1015902	1032306	1019435	1.13	cps
Calcium	43-1	1693802	1693011	1660627	1682480	1.13	cps
Calcium	44-1	25736801	25553516	25229743	25506687	1.01	cps
Carbon	12-1	4809106	4763555	4703955	4758872	1.11	cps
Carbon	12-2	47958	47409	47547	47638	0.60	cps
Chlorine	35-1	203499	201871	202692	202687	0.40	cps
Chlorine	35-2	990	943	990	974	2.77	cps
Chromium	52-2	1019031	1020500	1023526	1021019	0.22	cps
Cobalt	59-2	2009949	1968626	1923168	1967247	2.21	cps
Copper	63-2	15471626	15226544	15165051	15287740	1.06	cps
Dysprosium	156-1	970	973	1073	1006	5.84	cps
Dysprosium	156-2	97	137	113	116	17.39	cps
Erbium	164-1	400	450	473	441	8.49	cps
Erbium	164-2	143	150	127	140	8.58	cps
Gadolinium	160-1	680	660	743	694	6.26	cps
Gadolinium	160-2	717	810	820	782	7.29	cps
Holmium	165-1	49231484	49302173	49000476	49178044	0.32	cps
Holmium	165-2	18431359	18317241	17936929	18228510	1.42	cps
Indium	115-1	37763951	35871779	36761987	36799239	2.57	cps
Indium	115-2	4835895	4859195	4777567	4824219	0.87	cps
Iron	54-2	2426655	2400744	2442661	2423353	0.87	cps
Iron	56-2	43632426	43367964	43135022	43378471	0.57	cps
Iron	57-2	1079874	1067248	1056578	1067900	1.09	cps
Krypton	83-1	297	297	247	280	10.31	cps
Lead	206-1	17187451	17563751	17724458	17491887	1.58	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:11:04	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	14810818	15222609	15185729	15073052	1.51	cps
Lead	208-1	69312640	70081404	70212408	69868817	0.70	cps
Lithium	6-1	19262995	19130481	19050873	19148116	0.56	cps
Magnesium	24-2	8202707	8029370	8052692	8094923	1.16	cps
Manganese	55-2	5391721	5350076	5465170	5402322	1.08	cps
Molybdenum	94-1	15044310	15307419	15340547	15230759	1.07	cps
Molybdenum	95-1	21640589	22175511	21938019	21918040	1.22	cps
Molybdenum	96-1	24026773	24145570	24050049	24074131	0.26	cps
Molybdenum	97-1	13652953	13572652	13614257	13613288	0.29	cps
Molybdenum	98-1	35162271	35604875	35468205	35411784	0.64	cps
Neodymium	150-1	803	800	973	859	11.54	cps
Neodymium	150-2	70	30	50	50	40.00	cps
Nickel	60-2	509422	509249	506955	508542	0.27	cps
Phosphorus	31-2	26100	25459	25599	25720	1.31	cps
Potassium	39-2	2924941	2962347	2933774	2940354	0.66	cps
Rhodium	103-1	35691996	34410586	34735229	34945937	1.91	cps
Rhodium	103-2	14143929	14060931	13681033	13961964	1.77	cps
Scandium	45-1	25996480	25376387	25401310	25591393	1.37	cps
Scandium	45-2	710276	708219	706523	708339	0.27	cps
Selenium	82-1	60136	60792	60632	60520	0.57	cps
Selenium	77-2	1637	1720	1607	1655	3.55	cps
Selenium	78-2	5331	5511	5601	5481	2.51	cps
Silicon	28-1	10192262	10356311	10080402	10209658	1.36	cps
Silver	107-1	5768043	5666441	5712235	5715573	0.89	cps
Silver	109-1	5133300	5326059	5265041	5241466	1.88	cps
Sodium	23-2	16554608	16585906	16531868	16557461	0.16	cps
Strontium	86-1	35181767	34897959	34709364	34929697	0.68	cps
Strontium	88-1	297717762	300853729	298533609	299035033	0.54	cps
Sulfur	34-1	1164326	1153491	1154860	1157559	0.51	cps
Terbium	159-1	49139199	49581743	48985166	49235369	0.63	cps
Terbium	159-2	18548186	18447399	17953502	18316362	1.74	cps
Thallium	203-1	4297583	4255188	4357570	4303447	1.20	cps
Thallium	205-1	10203736	10273381	10284333	10253817	0.43	cps
Tin	118-1	3503636	3473378	3497230	3491415	0.46	cps
Titanium	47-1	6527907	6512984	6591034	6543975	0.63	cps
Uranium	238-1	14489905	14475981	14414495	14460127	0.28	cps

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:11:04	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	807380	802391	807384	805718	0.36	cps
Ytterbium	172-1	357	333	327	339	4.65	cps
Ytterbium	172-2	143	170	163	159	8.73	cps
Ytterbium	176-1	31551	30903	30646	31033	1.50	cps
Ytterbium	176-2	72384	73392	72370	72715	0.81	cps
Yttrium	89-1	56564366	55554499	56221523	56113462	0.92	cps
Yttrium	89-2	5203021	5173440	5101878	5159446	1.01	cps
Zinc	66-2	1422627	1423832	1418521	1421660	0.20	cps
Zirconium	90-1	7247450	7154340	7357718	7253169	1.40	cps
Zirconium	91-1	1602243	1619915	1645684	1622614	1.35	cps

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:14:09	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1188780	1212245	1186809	1195945	1.18	cps
Antimony	121-1	7004246	7084052	6945959	7011419	0.99	cps
Arsenic	75-2	154265	154591	154770	154542	0.17	cps
Barium	135-1	9868840	10178312	9918605	9988585	1.66	cps
Barium	137-1	17301135	17048213	17299270	17216206	0.85	cps
Beryllium	9-1	2602953	2633817	2572868	2603213	1.17	cps
Bismuth	209-1	28867135	29418255	29223453	29169614	0.96	cps
Bismuth	209-2	12826554	12760462	12617555	12734857	0.84	cps
Bromine	81-1	19827	19661	19397	19628	1.11	cps
Cadmium	108-1	176238	175984	174889	175704	0.41	cps
Cadmium	106-1	277475	277845	278595	277972	0.21	cps
Cadmium	111-1	2055961	2082095	2058498	2065518	0.70	cps
Calcium	43-1	3319269	3320582	3290578	3310143	0.51	cps
Calcium	44-1	50008441	50061088	50376176	50148568	0.40	cps
Carbon	12-1	4922755	5035703	4985420	4981293	1.14	cps
Carbon	12-2	51496	50235	51356	51029	1.35	cps
Chlorine	35-1	207762	207488	205720	206990	0.54	cps
Chlorine	35-2	1043	1033	1100	1059	3.40	cps
Chromium	52-2	2132124	2123007	2137227	2130786	0.34	cps
Cobalt	59-2	3922302	3816138	3824447	3854296	1.53	cps
Copper	63-2	30299105	29605628	29398947	29767893	1.58	cps
Dysprosium	156-1	1180	1250	1250	1227	3.29	cps
Dysprosium	156-2	187	180	173	180	3.70	cps
Erbium	164-1	460	443	433	446	3.02	cps
Erbium	164-2	220	167	173	187	15.57	cps
Gadolinium	160-1	647	667	733	682	6.65	cps
Gadolinium	160-2	827	837	870	844	2.69	cps
Holmium	165-1	49076673	49102076	49016294	49065014	0.09	cps
Holmium	165-2	18278765	18156298	18079401	18171488	0.55	cps
Indium	115-1	37082961	37081774	36835478	37000071	0.39	cps
Indium	115-2	4754828	4730958	4769666	4751817	0.41	cps
Iron	54-2	4754627	4816654	4817209	4796163	0.75	cps
Iron	56-2	87291772	84619954	84629040	85513589	1.80	cps
Iron	57-2	2246126	2197526	2218865	2220839	1.10	cps
Krypton	83-1	293	330	293	306	6.93	cps
Lead	206-1	34593958	35014187	34577926	34728690	0.71	cps

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:14:09	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	30023623	29197200	29806213	29675679	1.44	cps
Lead	208-1	137266538	136243431	137524353	137011441	0.49	cps
Lithium	6-1	19347809	18881914	18561899	18930540	2.09	cps
Magnesium	24-2	16569715	16238602	16268832	16359050	1.12	cps
Manganese	55-2	10648917	10573446	10496079	10572814	0.72	cps
Molybdenum	94-1	30203048	29970735	30701006	30291596	1.23	cps
Molybdenum	95-1	43912956	43922754	43561268	43798993	0.47	cps
Molybdenum	96-1	47535389	48768208	48016566	48106721	1.29	cps
Molybdenum	97-1	27152392	26809734	27179726	27047284	0.76	cps
Molybdenum	98-1	71152024	69785739	71086304	70674689	1.09	cps
Neodymium	150-1	1497	1500	1607	1535	4.08	cps
Neodymium	150-2	67	57	97	73	28.39	cps
Nickel	60-2	997752	993727	989404	993628	0.42	cps
Phosphorus	31-2	51116	50889	50839	50948	0.29	cps
Potassium	39-2	5903282	5818601	5848226	5856703	0.73	cps
Rhodium	103-1	34267970	33617964	34383786	34089907	1.21	cps
Rhodium	103-2	13887006	13748979	13573320	13736435	1.14	cps
Scandium	45-1	25351123	25886577	25395500	25544400	1.16	cps
Scandium	45-2	701079	703537	697681	700766	0.42	cps
Selenium	82-1	119486	120149	120962	120199	0.62	cps
Selenium	77-2	3230	3084	3247	3187	2.82	cps
Selenium	78-2	10581	10778	10317	10558	2.19	cps
Silicon	28-1	19578818	19132886	19272379	19328028	1.18	cps
Silver	107-1	11378006	11116562	11248265	11247611	1.16	cps
Silver	109-1	10179196	10261409	10091575	10177394	0.83	cps
Sodium	23-2	33400160	33371335	33112270	33294588	0.48	cps
Strontium	86-1	68483099	69640499	69874277	69332625	1.07	cps
Strontium	88-1	595054204	592180458	588011351	591748671	0.60	cps
Sulfur	34-1	1541479	1503170	1507586	1517412	1.38	cps
Terbium	159-1	49733728	50661838	50206458	50200674	0.92	cps
Terbium	159-2	18273436	18116352	17813773	18067853	1.29	cps
Thallium	203-1	8379594	8559827	8463876	8467766	1.06	cps
Thallium	205-1	19955481	20109497	20400352	20155110	1.12	cps
Tin	118-1	6952469	6979818	6980297	6970862	0.23	cps
Titanium	47-1	13121482	13202953	13346880	13223772	0.86	cps
Uranium	238-1	28400504	29013489	28932988	28782327	1.16	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:14:09	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1643142	1641316	1638558	1641005	0.14	cps
Ytterbium	172-1	393	460	387	413	9.81	cps
Ytterbium	172-2	177	167	153	166	7.07	cps
Ytterbium	176-1	49797	50238	50312	50116	0.56	cps
Ytterbium	176-2	80145	80192	80500	80279	0.24	cps
Yttrium	89-1	55696356	56367251	56298349	56120652	0.66	cps
Yttrium	89-2	5160256	5127496	5054152	5113968	1.06	cps
Zinc	66-2	2891890	2867189	2850251	2869777	0.73	cps
Zirconium	90-1	14631911	14536598	14748692	14639067	0.73	cps
Zirconium	91-1	3246664	3278430	3288706	3271267	0.67	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:17:10	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2391338	2382797	2353932	2376022	0.82	cps
Antimony	121-1	13872158	13981676	13874610	13909481	0.45	cps
Arsenic	75-2	305788	303601	303313	304234	0.44	cps
Barium	135-1	19974799	20086752	19731908	19931153	0.91	cps
Barium	137-1	34138099	34053579	34004966	34065548	0.20	cps
Beryllium	9-1	5077048	5085086	5113035	5091723	0.37	cps
Bismuth	209-1	28487150	28654060	28561438	28567549	0.29	cps
Bismuth	209-2	12253466	12346523	12263952	12287980	0.41	cps
Bromine	81-1	19464	19807	19310	19527	1.30	cps
Cadmium	108-1	340430	342360	343488	342093	0.45	cps
Cadmium	106-1	512806	515058	510403	512755	0.45	cps
Cadmium	111-1	4026721	3949102	4006787	3994203	1.01	cps
Calcium	43-1	6440817	6568515	6446627	6485320	1.11	cps
Calcium	44-1	97926029	100742492	98140025	98936182	1.58	cps
Carbon	12-1	5522588	5626904	5698034	5615842	1.57	cps
Carbon	12-2	58954	58914	58533	58800	0.40	cps
Chlorine	35-1	231146	234560	235552	233753	0.99	cps
Chlorine	35-2	1243	1037	1140	1140	9.06	cps
Chromium	52-2	4138426	4104097	4116094	4119539	0.42	cps
Cobalt	59-2	7503285	7291272	7363540	7386032	1.46	cps
Copper	63-2	57596477	57374049	57234647	57401725	0.32	cps
Dysprosium	156-1	1460	1513	1347	1440	5.91	cps
Dysprosium	156-2	310	293	297	300	2.94	cps
Erbium	164-1	503	553	557	538	5.56	cps
Erbium	164-2	170	150	203	174	15.45	cps
Gadolinium	160-1	763	747	757	756	1.11	cps
Gadolinium	160-2	887	780	767	811	8.11	cps
Holmium	165-1	48764196	49086576	48488393	48779721	0.61	cps
Holmium	165-2	17755704	18388006	18035383	18059698	1.75	cps
Indium	115-1	36408620	36041269	35799188	36083025	0.85	cps
Indium	115-2	4666946	4752709	4711304	4710320	0.91	cps
Iron	54-2	9227199	9410935	9212286	9283474	1.19	cps
Iron	56-2	167850688	166574988	167093404	167173026	0.38	cps
Iron	57-2	4288086	4247324	4275308	4270239	0.49	cps
Krypton	83-1	353	273	380	336	16.54	cps
Lead	206-1	67231839	68591104	68023984	67948976	1.00	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:17:10	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	58195839	58693666	57506997	58132167	1.03	cps
Lead	208-1	268702453	269307138	266145703	268051764	0.63	cps
Lithium	6-1	18928687	18788451	18742115	18819751	0.52	cps
Magnesium	24-2	32222111	31800067	31887957	31970045	0.70	cps
Manganese	55-2	20746172	20749679	20652912	20716255	0.26	cps
Molybdenum	94-1	59790721	60493001	60318969	60200897	0.61	cps
Molybdenum	95-1	86490185	86235959	87999959	86908701	1.10	cps
Molybdenum	96-1	95523345	95528859	95637179	95563127	0.07	cps
Molybdenum	97-1	54147331	54439509	54088939	54225260	0.35	cps
Molybdenum	98-1	139222251	140983258	141379731	140528413	0.82	cps
Neodymium	150-1	3007	3200	3037	3082	3.38	cps
Neodymium	150-2	140	130	140	137	4.22	cps
Nickel	60-2	2047405	2061481	2046853	2051913	0.40	cps
Phosphorus	31-2	99112	99065	98518	98898	0.33	cps
Potassium	39-2	11610459	11441818	11611093	11554457	0.84	cps
Rhodium	103-1	33349301	33074883	33709552	33377912	0.95	cps
Rhodium	103-2	13234011	13297529	13396332	13309291	0.61	cps
Scandium	45-1	25243535	25478935	25261874	25328115	0.52	cps
Scandium	45-2	695155	694789	697823	695922	0.24	cps
Selenium	82-1	238722	236235	237397	237451	0.52	cps
Selenium	77-2	6228	6045	5935	6069	2.44	cps
Selenium	78-2	20368	21029	20979	20792	1.77	cps
Silicon	28-1	37534981	37203861	36733035	37157293	1.08	cps
Silver	107-1	21350761	21835618	21506659	21564346	1.15	cps
Silver	109-1	19606876	19393231	19411349	19470485	0.61	cps
Sodium	23-2	65071234	64985639	64697024	64917966	0.30	cps
Strontium	86-1	137526098	136450311	135960415	136645608	0.59	cps
Strontium	88-1	1177307529	1162156756	1180741929	1173402071	0.84	cps
Sulfur	34-1	2282029	2261933	2271169	2271710	0.44	cps
Terbium	159-1	49143534	49710878	49126148	49326853	0.67	cps
Terbium	159-2	17693916	18051460	17808006	17851127	1.02	cps
Thallium	203-1	16455073	16752563	16791185	16666274	1.10	cps
Thallium	205-1	39228109	39617787	39426130	39424009	0.49	cps
Tin	118-1	13632645	13802006	13812424	13749025	0.73	cps
Titanium	47-1	25730480	26623695	25992244	26115473	1.76	cps
Uranium	238-1	56964384	56462331	57005922	56810879	0.53	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:17:10	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	3211652	3268035	3276715	3252134	1.09	cps
Ytterbium	172-1	523	567	510	533	5.56	cps
Ytterbium	172-2	207	163	213	194	13.96	cps
Ytterbium	176-1	85508	89296	86384	87062	2.28	cps
Ytterbium	176-2	92813	92189	92159	92387	0.40	cps
Yttrium	89-1	55688856	55114509	54967283	55256883	0.69	cps
Yttrium	89-2	5053320	5119390	5072014	5081574	0.67	cps
Zinc	66-2	5568620	5506007	5502195	5525607	0.68	cps
Zirconium	90-1	28758215	29063000	28703443	28841552	0.67	cps
Zirconium	91-1	6375461	6437925	6525498	6446295	1.17	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:20:14	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4765150	4704501	4706519	4725390	0.73	cps
Antimony	121-1	27639329	27669929	27544987	27618082	0.24	cps
Arsenic	75-2	600655	593896	593800	596117	0.66	cps
Barium	135-1	39877942	40016481	40165131	40019851	0.36	cps
Barium	137-1	67513004	68681516	68232622	68142381	0.87	cps
Beryllium	9-1	10206552	10050810	10092891	10116751	0.80	cps
Bismuth	209-1	27372207	27792280	27606509	27590332	0.76	cps
Bismuth	209-2	11908556	11957026	11981567	11949050	0.31	cps
Bromine	81-1	20071	18866	19520	19486	3.10	cps
Cadmium	108-1	659009	659125	662402	660179	0.29	cps
Cadmium	106-1	956760	959340	959503	958534	0.16	cps
Cadmium	111-1	7600104	7708447	7771161	7693237	1.12	cps
Calcium	43-1	12901399	13083071	13351640	13112037	1.73	cps
Calcium	44-1	195923744	199771457	199416984	198370728	1.07	cps
Carbon	12-1	6678312	7049664	7265779	6997918	4.25	cps
Carbon	12-2	74343	73894	74508	74248	0.43	cps
Chlorine	35-1	278951	287007	290201	285386	2.03	cps
Chlorine	35-2	1697	1570	1587	1618	4.25	cps
Chromium	52-2	8346116	8040214	8224200	8203510	1.88	cps
Cobalt	59-2	14652267	14763024	14410323	14608538	1.23	cps
Copper	63-2	112036592	112709905	109618718	111455072	1.46	cps
Dysprosium	156-1	2077	2067	1930	2025	4.05	cps
Dysprosium	156-2	623	637	633	631	1.10	cps
Erbium	164-1	793	707	620	707	12.26	cps
Erbium	164-2	250	263	250	254	3.02	cps
Gadolinium	160-1	837	1027	913	926	10.33	cps
Gadolinium	160-2	843	880	967	897	7.06	cps
Holmium	165-1	49155399	49153651	49025033	49111361	0.15	cps
Holmium	165-2	17965043	17976717	18129902	18023888	0.51	cps
Indium	115-1	35166552	35608138	35817119	35530603	0.93	cps
Indium	115-2	4633449	4649273	4616622	4633115	0.35	cps
Iron	54-2	18716596	18374146	18456901	18515881	0.97	cps
Iron	56-2	335864502	332357895	331560302	333260899	0.69	cps
Iron	57-2	8480228	8549571	8347337	8459045	1.21	cps
Krypton	83-1	347	327	420	364	13.48	cps
Lead	206-1	132433621	133039095	133037175	132836630	0.26	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:20:14	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	114838132	114940002	114844578	114874237	0.05	cps
Lead	208-1	524038782	528516719	532066962	528207488	0.76	cps
Lithium	6-1	19002034	18438534	18737129	18725899	1.51	cps
Magnesium	24-2	64161276	62739874	64059021	63653390	1.25	cps
Manganese	55-2	41991794	41138782	41587818	41572798	1.03	cps
Molybdenum	94-1	120504585	120899128	121721602	121041772	0.51	cps
Molybdenum	95-1	174146741	174568144	174312444	174342443	0.12	cps
Molybdenum	96-1	190281537	195627090	194092924	193333850	1.42	cps
Molybdenum	97-1	107568022	109168928	109849065	108862005	1.08	cps
Molybdenum	98-1	281302142	278405189	281539676	280415669	0.62	cps
Neodymium	150-1	5801	5735	5861	5799	1.09	cps
Neodymium	150-2	250	320	280	283	12.40	cps
Nickel	60-2	3945292	3933042	3909218	3929184	0.47	cps
Phosphorus	31-2	198289	196755	198293	197779	0.45	cps
Potassium	39-2	23511820	23453549	23430251	23465207	0.18	cps
Rhodium	103-1	32282329	32396894	32504117	32394446	0.34	cps
Rhodium	103-2	13127401	12868500	12821102	12939001	1.27	cps
Scandium	45-1	25188307	25392820	25905860	25495662	1.45	cps
Scandium	45-2	697431	698703	696343	697493	0.17	cps
Selenium	82-1	463669	463426	460644	462580	0.36	cps
Selenium	77-2	12492	11935	12642	12357	3.02	cps
Selenium	78-2	42173	41210	41885	41756	1.18	cps
Silicon	28-1	70897156	71516242	72178659	71530686	0.90	cps
Silver	107-1	41762477	41661967	41973207	41799217	0.38	cps
Silver	109-1	36965538	37916629	38256075	37712747	1.77	cps
Sodium	23-2	133876555	129619921	129666471	131054316	1.87	cps
Strontium	86-1	273903663	274368943	276169503	274814036	0.44	cps
Strontium	88-1	2395539591	2369512658	2405531644	2390194631	0.78	cps
Sulfur	34-1	3763190	3832061	3826652	3807301	1.01	cps
Terbium	159-1	48598326	49438731	49784006	49273688	1.24	cps
Terbium	159-2	17806364	17909796	17766162	17827441	0.42	cps
Thallium	203-1	32397397	33246790	32910030	32851405	1.30	cps
Thallium	205-1	76118564	77028087	78597857	77248169	1.62	cps
Tin	118-1	27419816	26992695	27405635	27272716	0.89	cps
Titanium	47-1	51820208	52779718	53590703	52730209	1.68	cps
Uranium	238-1	112664865	113968578	114309875	113647773	0.76	cps

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:20:14	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	6664832	6486112	6562392	6571112	1.36	cps
Ytterbium	172-1	797	720	730	749	5.57	cps
Ytterbium	172-2	297	333	363	331	10.08	cps
Ytterbium	176-1	163276	161717	162337	162443	0.48	cps
Ytterbium	176-2	121005	122630	121906	121847	0.67	cps
Yttrium	89-1	54871339	55748888	56069226	55563151	1.12	cps
Yttrium	89-2	5194781	5145241	5075426	5138483	1.17	cps
Zinc	66-2	10872662	10841011	10713250	10808974	0.78	cps
Zirconium	90-1	57947952	58580666	58699102	58409240	0.69	cps
Zirconium	91-1	13007872	12915097	12921350	12948106	0.40	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:23:16	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	22696103	22870691	22564945	22710580	0.68	cps
Antimony	121-1	12462	13644	16784	14297	15.62	cps
Arsenic	75-2	300	300	303	301	0.64	cps
Barium	135-1	12950	13317	13023	13096	1.48	cps
Barium	137-1	23213	22716	22278	22736	2.06	cps
Beryllium	9-1	1827	1648	1410	1628	12.87	cps
Bismuth	209-1	21639832	20995309	20617512	21084218	2.45	cps
Bismuth	209-2	9513977	9725934	9603546	9614486	1.11	cps
Bromine	81-1	17381	17771	17548	17567	1.12	cps
Cadmium	108-1	320	343	300	321	6.75	cps
Cadmium	106-1	27675	27237	27224	27378	0.94	cps
Cadmium	111-1	20475	20029	20023	20176	1.28	cps
Calcium	43-1	47451089	46569169	46209368	46743209	1.37	cps
Calcium	44-1	768285295	755459535	752338815	758694549	1.11	cps
Carbon	12-1	5595229	5597732	5515518	5569493	0.84	cps
Carbon	12-2	74953	73982	74769	74568	0.69	cps
Chlorine	35-1	207978	205987	205061	206342	0.72	cps
Chlorine	35-2	1267	1330	1253	1283	3.19	cps
Chromium	52-2	29096	26057	26992	27382	5.68	cps
Cobalt	59-2	29404	29547	29571	29507	0.31	cps
Copper	63-2	31715	30857	29608	30727	3.45	cps
Dysprosium	156-1	2390	2167	2057	2205	7.71	cps
Dysprosium	156-2	573	587	530	563	5.26	cps
Erbium	164-1	1160	1083	1187	1143	4.69	cps
Erbium	164-2	420	417	440	426	2.97	cps
Gadolinium	160-1	1537	1587	1473	1532	3.71	cps
Gadolinium	160-2	1157	1153	1213	1175	2.87	cps
Holmium	165-1	41400184	40444624	40524969	40789926	1.30	cps
Holmium	165-2	16327461	16306348	16183863	16272558	0.48	cps
Indium	115-1	29972984	28950878	28901153	29275005	2.07	cps
Indium	115-2	4282974	4342565	4326065	4317201	0.71	cps
Iron	54-2	80733139	80884210	80618464	80745271	0.17	cps
Iron	56-2	1472154378	1464699925	1483486858	1473447054	0.64	cps
Iron	57-2	37519084	36697861	37452254	37223067	1.23	cps
Krypton	83-1	537	537	573	549	3.86	cps
Lead	206-1	28852	27827	27510	28063	2.50	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:23:16	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	25332	24891	22800	24341	5.56	cps
Lead	208-1	114210	111840	106178	110743	3.73	cps
Lithium	6-1	15101696	14639431	14393754	14711627	2.44	cps
Magnesium	24-2	289725909	289180862	287911782	288939518	0.32	cps
Manganese	55-2	17274	17180	17354	17270	0.50	cps
Molybdenum	94-1	27737	25878	26105	26573	3.82	cps
Molybdenum	95-1	29909	29649	30651	30070	1.73	cps
Molybdenum	96-1	37705	39233	37508	38149	2.48	cps
Molybdenum	97-1	16540	15673	16644	16286	3.27	cps
Molybdenum	98-1	42433	40752	41904	41696	2.06	cps
Neodymium	150-1	730	623	647	667	8.41	cps
Neodymium	150-2	187	190	197	191	2.66	cps
Nickel	60-2	16329	15592	15889	15937	2.33	cps
Phosphorus	31-2	423	393	380	399	5.56	cps
Potassium	39-2	111151592	111968988	112290348	111803643	0.53	cps
Rhodium	103-1	24975218	25026086	24736690	24912665	0.62	cps
Rhodium	103-2	10474781	10658228	10628053	10587021	0.93	cps
Scandium	45-1	21291021	20809813	20806557	20969131	1.33	cps
Scandium	45-2	657562	650847	651308	653239	0.57	cps
Selenium	82-1	-80	-20	-53	-51	-58.81	cps
Selenium	77-2	3	10	3	6	69.34	cps
Selenium	78-2	33	30	37	33	10.01	cps
Silicon	28-1	1188183	1135337	1082526	1135349	4.65	cps
Silver	107-1	3776	3573	3099	3483	9.97	cps
Silver	109-1	3374	2617	2577	2856	15.72	cps
Sodium	23-2	597278924	586456071	597403538	593712844	1.06	cps
Strontium	86-1	34882	32666	30711	32753	6.37	cps
Strontium	88-1	281364	273551	265414	273443	2.92	cps
Sulfur	34-1	594103	589728	594054	592628	0.42	cps
Terbium	159-1	42444007	40709619	40533718	41229115	2.56	cps
Terbium	159-2	15889024	16080159	15881980	15950388	0.70	cps
Thallium	203-1	4491	4264	3704	4153	9.75	cps
Thallium	205-1	11135	10371	9334	10280	8.80	cps
Tin	118-1	26616	26402	25978	26332	1.23	cps
Titanium	47-1	13880	14204	14337	14140	1.66	cps
Uranium	238-1	4688	3371	3034	3698	23.64	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:23:16	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1270	1077	1250	1199	8.87	cps
Ytterbium	172-1	1713	1547	1487	1582	7.42	cps
Ytterbium	172-2	723	797	683	734	7.83	cps
Ytterbium	176-1	11208	10811	10971	10997	1.82	cps
Ytterbium	176-2	59711	61382	61807	60967	1.82	cps
Yttrium	89-1	46745138	46814338	45806783	46455419	1.21	cps
Yttrium	89-2	4833605	4867297	4908230	4869711	0.77	cps
Zinc	66-2	6705	6602	6522	6609	1.39	cps
Zirconium	90-1	28095	28332	27614	28014	1.31	cps
Zirconium	91-1	5998	6108	6191	6099	1.59	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P8
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:27:53	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	128404	127479	125284	127056	1.26	cps
Antimony	121-1	5761126	5697597	5734328	5731017	0.56	cps
Arsenic	75-2	137446	136222	135215	136294	0.82	cps
Barium	135-1	798994	793745	801851	798197	0.52	cps
Barium	137-1	1377403	1391660	1379825	1382962	0.55	cps
Beryllium	9-1	1101329	1045142	1050514	1065662	2.91	cps
Bismuth	209-1	30301651	30742149	30099444	30381081	1.08	cps
Bismuth	209-2	13945176	13794029	13868498	13869234	0.54	cps
Bromine	81-1	21039	20909	21093	21014	0.45	cps
Cadmium	108-1	53092	53128	52881	53034	0.25	cps
Cadmium	106-1	107401	106050	107330	106927	0.71	cps
Cadmium	111-1	840507	835546	840919	838991	0.36	cps
Calcium	43-1	222796	221837	220879	221837	0.43	cps
Calcium	44-1	3833186	3713823	3727251	3758087	1.74	cps
Carbon	12-1	5139796	5090587	5213000	5147794	1.20	cps
Carbon	12-2	52771	52680	51664	52372	1.17	cps
Chlorine	35-1	194126	194423	195163	194571	0.27	cps
Chlorine	35-2	940	903	1100	981	10.66	cps
Chromium	52-2	905123	898863	882832	895606	1.28	cps
Cobalt	59-2	1740903	1749380	1708930	1733071	1.23	cps
Copper	63-2	1246496	1249469	1223854	1239939	1.13	cps
Dysprosium	156-1	377	370	353	367	3.28	cps
Dysprosium	156-2	53	60	20	44	48.22	cps
Erbium	164-1	353	313	363	343	7.71	cps
Erbium	164-2	140	123	130	131	6.40	cps
Gadolinium	160-1	730	580	670	660	11.44	cps
Gadolinium	160-2	877	913	1017	936	7.76	cps
Holmium	165-1	49491144	48918163	48564483	48991263	0.95	cps
Holmium	165-2	19798092	19621669	19719163	19712975	0.45	cps
Indium	115-1	38444022	38751780	38740657	38645486	0.45	cps
Indium	115-2	5392025	5451908	5425314	5423082	0.55	cps
Iron	54-2	834234	831734	818971	828313	0.99	cps
Iron	56-2	15209211	14926924	14726051	14954062	1.62	cps
Iron	57-2	369901	368392	366517	368270	0.46	cps
Krypton	83-1	293	273	233	267	11.46	cps
Lead	206-1	5874401	5871351	5836216	5860656	0.36	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P8
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:27:53	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4773844	4798139	4820644	4797542	0.49	cps
Lead	208-1	22472997	22774258	22540482	22595912	0.70	cps
Lithium	6-1	19727878	19192433	19473334	19464549	1.38	cps
Magnesium	24-2	840180	837025	838362	838522	0.19	cps
Manganese	55-2	465394	460924	453931	460083	1.26	cps
Molybdenum	94-1	3400	3574	3807	3594	5.68	cps
Molybdenum	95-1	1740	1590	1844	1725	7.39	cps
Molybdenum	96-1	2430	2760	2530	2574	6.58	cps
Molybdenum	97-1	940	883	1117	980	12.42	cps
Molybdenum	98-1	2374	2594	2694	2554	6.42	cps
Neodymium	150-1	153	177	167	166	7.07	cps
Neodymium	150-2	20	7	7	11	69.25	cps
Nickel	60-2	450988	446361	442941	446763	0.90	cps
Phosphorus	31-2	370	343	373	362	4.54	cps
Potassium	39-2	1003881	996050	994857	998263	0.49	cps
Rhodium	103-1	37058789	36242057	36316809	36539218	1.24	cps
Rhodium	103-2	15223520	15430018	15342626	15332055	0.68	cps
Scandium	45-1	26734947	26213866	26116969	26355261	1.26	cps
Scandium	45-2	775567	764703	757056	765775	1.21	cps
Selenium	82-1	101432	101244	102882	101853	0.88	cps
Selenium	77-2	2944	2867	2877	2896	1.44	cps
Selenium	78-2	10037	9730	9867	9878	1.56	cps
Silicon	28-1	888003	886927	883067	885999	0.29	cps
Silver	107-1	2280879	2280034	2247663	2269526	0.83	cps
Silver	109-1	2186748	2108728	2141775	2145751	1.83	cps
Sodium	23-2	2902756	2888513	2818107	2869792	1.58	cps
Strontium	86-1	3487	3561	4045	3697	8.19	cps
Strontium	88-1	30181	29136	27539	28952	4.60	cps
Sulfur	34-1	721921	720036	717574	719844	0.30	cps
Terbium	159-1	50942619	49318059	49218601	49826426	1.94	cps
Terbium	159-2	19785566	19437803	19342546	19521972	1.19	cps
Thallium	203-1	7045194	7024143	6887263	6985533	1.23	cps
Thallium	205-1	16554747	16659974	16341260	16518660	0.98	cps
Tin	118-1	3457	3277	3500	3412	3.47	cps
Titanium	47-1	637	680	827	714	13.94	cps
Uranium	238-1	453	337	300	363	22.04	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P8
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:27:53	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	689905	680594	674574	681691	1.13	cps
Ytterbium	172-1	317	303	293	304	3.84	cps
Ytterbium	172-2	153	133	103	130	19.36	cps
Ytterbium	176-1	12172	12122	12086	12127	0.36	cps
Ytterbium	176-2	72803	73419	72672	72965	0.55	cps
Yttrium	89-1	58817077	57467436	57503551	57929355	1.33	cps
Yttrium	89-2	5645714	5721472	5620861	5662682	0.93	cps
Zinc	66-2	243656	242812	244499	243656	0.35	cps
Zirconium	90-1	7512	7652	8072	7746	3.76	cps
Zirconium	91-1	2867	2770	3147	2928	6.68	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P8
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:30:58	DataFile Name :	013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	300	273	323	299	8.37	cps
Antimony	121-1	1467	2254	3320	2347	39.64	cps
Arsenic	75-2	10	13	13	12	15.73	cps
Barium	135-1	327	220	250	266	20.72	cps
Barium	137-1	330	367	353	350	5.30	cps
Beryllium	9-1	911	882	812	868	5.87	cps
Bismuth	209-1	30400000	30812743	30402541	30538428	0.78	cps
Bismuth	209-2	13987594	13777452	13723620	13829555	1.01	cps
Bromine	81-1	20665	20672	20672	20670	0.02	cps
Cadmium	108-1	90	107	77	91	16.50	cps
Cadmium	106-1	34139	33821	33698	33886	0.67	cps
Cadmium	111-1	24004	23764	23648	23805	0.76	cps
Calcium	43-1	707	610	703	673	8.15	cps
Calcium	44-1	16797	17131	16547	16825	1.74	cps
Carbon	12-1	4664558	4576380	4529442	4590126	1.49	cps
Carbon	12-2	45540	46256	45657	45818	0.84	cps
Chlorine	35-1	183632	184782	181178	183197	1.01	cps
Chlorine	35-2	963	963	987	971	1.39	cps
Chromium	52-2	1290	1380	1377	1349	3.78	cps
Cobalt	59-2	263	323	263	283	12.23	cps
Copper	63-2	10157	10334	10174	10222	0.95	cps
Dysprosium	156-1	417	433	453	434	4.23	cps
Dysprosium	156-2	37	27	23	29	24.03	cps
Erbium	164-1	350	400	453	401	12.88	cps
Erbium	164-2	167	147	113	142	18.94	cps
Gadolinium	160-1	653	680	620	651	4.62	cps
Gadolinium	160-2	917	917	897	910	1.27	cps
Holmium	165-1	48841431	49690784	49059668	49197294	0.90	cps
Holmium	165-2	19710426	19127886	19138544	19325619	1.72	cps
Indium	115-1	38355509	39467277	39041280	38954689	1.44	cps
Indium	115-2	5376397	5354799	5375066	5368754	0.23	cps
Iron	54-2	1223	1230	1240	1231	0.68	cps
Iron	56-2	13433	16078	12993	14168	11.78	cps
Iron	57-2	383	430	417	410	5.86	cps
Krypton	83-1	227	287	247	253	12.06	cps
Lead	206-1	3084	2787	2767	2879	6.16	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P8
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:30:58	DataFile Name :	013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2774	2660	2427	2620	6.75	cps
Lead	208-1	12513	11245	11445	11734	5.81	cps
Lithium	6-1	19967462	19724300	19317604	19669789	1.67	cps
Magnesium	24-2	1180	1047	1033	1087	7.46	cps
Manganese	55-2	397	367	373	379	4.16	cps
Molybdenum	94-1	1537	1560	1493	1530	2.21	cps
Molybdenum	95-1	640	613	607	620	2.84	cps
Molybdenum	96-1	760	983	1017	920	15.17	cps
Molybdenum	97-1	363	320	440	374	16.23	cps
Molybdenum	98-1	933	753	997	895	14.12	cps
Neodymium	150-1	37	17	30	28	36.66	cps
Neodymium	150-2	7	10	10	9	21.63	cps
Nickel	60-2	423	383	383	397	5.82	cps
Phosphorus	31-2	377	370	350	366	3.80	cps
Potassium	39-2	25603	25008	25142	25251	1.23	cps
Rhodium	103-1	37990152	36480099	36759784	37076678	2.17	cps
Rhodium	103-2	15364452	15395783	15405356	15388530	0.14	cps
Scandium	45-1	26622176	26988775	26897619	26836190	0.71	cps
Scandium	45-2	770989	754946	764807	763580	1.06	cps
Selenium	82-1	20	-80	77	6	1427.61	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	23	13	20	19	26.96	cps
Silicon	28-1	832228	831696	820777	828234	0.78	cps
Silver	107-1	969	911	868	916	5.52	cps
Silver	109-1	570	570	523	554	4.86	cps
Sodium	23-2	66313	64931	63839	65028	1.91	cps
Strontium	86-1	720	523	503	582	20.57	cps
Strontium	88-1	2357	1183	1424	1655	37.47	cps
Sulfur	34-1	728484	727787	733451	729908	0.42	cps
Terbium	159-1	49102286	50858329	50336598	50099071	1.80	cps
Terbium	159-2	19372766	19278731	18666200	19105899	2.01	cps
Thallium	203-1	2087	1910	1823	1940	6.92	cps
Thallium	205-1	5385	4771	4538	4898	8.93	cps
Tin	118-1	2310	2364	2164	2279	4.54	cps
Titanium	47-1	510	433	510	484	9.14	cps
Uranium	238-1	167	110	120	132	22.88	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P8
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:30:58	DataFile Name :	013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	33	47	17	32	46.65	cps
Ytterbium	172-1	270	267	337	291	13.56	cps
Ytterbium	172-2	160	183	137	160	14.58	cps
Ytterbium	176-1	12383	12453	12016	12284	1.91	cps
Ytterbium	176-2	72474	72179	73004	72552	0.58	cps
Yttrium	89-1	57724112	58269524	57336942	57776860	0.81	cps
Yttrium	89-2	5583557	5558287	5683002	5608282	1.18	cps
Zinc	66-2	2664	2674	2587	2641	1.80	cps
Zirconium	90-1	4154	4184	4137	4158	0.57	cps
Zirconium	91-1	727	707	777	737	4.89	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P8
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:34:19	DataFile Name :	014ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	23540515	23344624	23424265	23436468	0.42	cps
Antimony	121-1	30253	30998	31907	31053	2.67	cps
Arsenic	75-2	307	243	280	277	11.49	cps
Barium	135-1	10414	11035	11258	10902	4.01	cps
Barium	137-1	18897	18997	19241	19045	0.93	cps
Beryllium	9-1	4399	4485	4554	4479	1.74	cps
Bismuth	209-1	26364507	26405960	26941053	26570507	1.21	cps
Bismuth	209-2	11960160	11996606	11865704	11940823	0.57	cps
Bromine	81-1	22121	23176	23887	23061	3.85	cps
Cadmium	108-1	15652	15799	16150	15867	1.61	cps
Cadmium	106-1	30307	31666	30761	30911	2.24	cps
Cadmium	111-1	28560	29893	29131	29195	2.29	cps
Calcium	43-1	10745552	10575474	10974829	10765285	1.86	cps
Calcium	44-1	173925344	177223164	181334417	177494308	2.09	cps
Carbon	12-1	73232107	75565731	76818961	75205599	2.42	cps
Carbon	12-2	759102	759592	763004	760566	0.28	cps
Chlorine	35-1	137997565	146744631	151458191	145400129	4.70	cps
Chlorine	35-2	842597	848508	857519	849542	0.88	cps
Chromium	52-2	165523	164642	165728	165298	0.35	cps
Cobalt	59-2	18002	17618	18115	17911	1.46	cps
Copper	63-2	98414	97743	99213	98457	0.75	cps
Dysprosium	156-1	440	387	383	403	7.88	cps
Dysprosium	156-2	130	50	73	84	48.72	cps
Erbium	164-1	410	423	533	456	14.86	cps
Erbium	164-2	177	187	227	197	13.45	cps
Gadolinium	160-1	640	743	687	690	7.50	cps
Gadolinium	160-2	923	810	873	869	6.54	cps
Holmium	165-1	47468176	47513613	48483673	47821820	1.20	cps
Holmium	165-2	18715877	18322728	18402100	18480235	1.12	cps
Indium	115-1	34441429	35098451	35990049	35176643	2.21	cps
Indium	115-2	4965146	4822254	4925941	4904447	1.51	cps
Iron	54-2	37794629	37490369	37282959	37522652	0.69	cps
Iron	56-2	686884696	687665536	692417003	688989079	0.43	cps
Iron	57-2	17460547	17101620	17423486	17328551	1.14	cps
Krypton	83-1	230	363	273	289	23.54	cps
Lead	206-1	117540	115680	118149	117123	1.10	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P8
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:34:19	DataFile Name :	014ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	91476	91574	93555	92202	1.27	cps
Lead	208-1	437198	436985	446785	440322	1.27	cps
Lithium	6-1	18373366	19188261	19008858	18856828	2.27	cps
Magnesium	24-2	65952862	66934502	67365314	66750893	1.08	cps
Manganese	55-2	33686	33680	33272	33546	0.71	cps
Molybdenum	94-1	17773671	18138297	18146724	18019564	1.18	cps
Molybdenum	95-1	31006002	31557286	32288456	31617248	2.03	cps
Molybdenum	96-1	33282371	33773928	34914177	33990159	2.46	cps
Molybdenum	97-1	19368680	19745629	19745076	19619795	1.11	cps
Molybdenum	98-1	49939319	51523819	51445586	50969575	1.75	cps
Neodymium	150-1	163	230	143	179	25.36	cps
Neodymium	150-2	63	83	27	58	49.74	cps
Nickel	60-2	21516	21052	20925	21165	1.47	cps
Phosphorus	31-2	1053050	1054863	1060690	1056201	0.38	cps
Potassium	39-2	47284293	48397941	48691013	48124415	1.54	cps
Rhodium	103-1	32035199	33134580	32288445	32486075	1.77	cps
Rhodium	103-2	13514756	13249484	13580041	13448093	1.30	cps
Scandium	45-1	25133597	26062194	26413003	25869598	2.56	cps
Scandium	45-2	749471	750807	752652	750977	0.21	cps
Selenium	82-1	153	-27	47	58	156.64	cps
Selenium	77-2	0	3	7	3	100.05	cps
Selenium	78-2	10	20	30	20	50.00	cps
Silicon	28-1	1408842	1392578	1426748	1409389	1.21	cps
Silver	107-1	4066	4329	4184	4193	3.14	cps
Silver	109-1	1253	1273	1420	1316	6.92	cps
Sodium	23-2	137052065	136522488	136471181	136681911	0.24	cps
Strontium	86-1	349239	354002	361674	354972	1.77	cps
Strontium	88-1	3169650	3215107	3254390	3213049	1.32	cps
Sulfur	34-1	15485234	16033164	16448283	15988893	3.02	cps
Terbium	159-1	48138614	48970314	49342978	48817302	1.26	cps
Terbium	159-2	18490083	18500046	18081315	18357148	1.30	cps
Thallium	203-1	5231	5641	5628	5500	4.24	cps
Thallium	205-1	12820	13634	13978	13477	4.41	cps
Tin	118-1	7059	7109	6962	7043	1.06	cps
Titanium	47-1	10062880	10282429	10633885	10326398	2.79	cps
Uranium	238-1	1847	1743	1924	1838	4.92	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P8
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:34:19	DataFile Name :	014ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1053	1150	1130	1111	4.59	cps
Ytterbium	172-1	317	350	350	339	5.68	cps
Ytterbium	172-2	160	110	140	137	18.41	cps
Ytterbium	176-1	11228	11225	11325	11259	0.50	cps
Ytterbium	176-2	66238	67133	66744	66705	0.67	cps
Yttrium	89-1	55351971	56866844	56510909	56243241	1.41	cps
Yttrium	89-2	5354203	5325238	5415462	5364968	0.86	cps
Zinc	66-2	14284	14191	14511	14328	1.15	cps
Zirconium	90-1	5398	5598	5775	5590	3.37	cps
Zirconium	91-1	883	927	1003	938	6.48	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P8
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:37:26	DataFile Name :	015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	23628415	23648645	23418670	23565243	0.54	cps
Antimony	121-1	571614	587688	594886	584729	2.04	cps
Arsenic	75-2	13690	13660	13420	13590	1.09	cps
Barium	135-1	164568	169453	168268	167430	1.52	cps
Barium	137-1	286972	295392	295363	292576	1.66	cps
Beryllium	9-1	193931	198552	198931	197138	1.41	cps
Bismuth	209-1	27241376	28331555	27549965	27707632	2.03	cps
Bismuth	209-2	12251613	11866630	11931145	12016463	1.72	cps
Bromine	81-1	25366	25774	26048	25729	1.33	cps
Cadmium	108-1	25437	26379	26121	25979	1.87	cps
Cadmium	106-1	44866	46180	46498	45848	1.89	cps
Cadmium	111-1	176782	180821	183282	180295	1.82	cps
Calcium	43-1	11043944	11438200	11544570	11342238	2.33	cps
Calcium	44-1	181809284	186567497	187925997	185434259	1.73	cps
Carbon	12-1	77913087	80718397	82528450	80386645	2.89	cps
Carbon	12-2	795779	786926	785322	789342	0.71	cps
Chlorine	35-1	151761598	160000854	162182858	157981770	3.48	cps
Chlorine	35-2	906035	882649	873935	887540	1.87	cps
Chromium	52-2	341297	338431	336334	338687	0.74	cps
Cobalt	59-2	328056	324487	319289	323944	1.36	cps
Copper	63-2	338846	343129	341912	341296	0.65	cps
Dysprosium	156-1	393	437	407	412	5.38	cps
Dysprosium	156-2	93	63	93	83	20.79	cps
Erbium	164-1	463	497	527	496	6.39	cps
Erbium	164-2	230	223	160	204	18.90	cps
Gadolinium	160-1	733	673	660	689	5.67	cps
Gadolinium	160-2	837	823	923	861	6.31	cps
Holmium	165-1	48925978	49890316	49151334	49322543	1.02	cps
Holmium	165-2	18928892	18632773	18301928	18621198	1.68	cps
Indium	115-1	36701936	36929845	37731813	37121198	1.46	cps
Indium	115-2	4989550	4957570	4943179	4963433	0.48	cps
Iron	54-2	38907088	38440209	37820172	38389156	1.42	cps
Iron	56-2	712286923	705623509	694362523	704090985	1.29	cps
Iron	57-2	18293173	17830562	17804396	17976043	1.53	cps
Krypton	83-1	290	327	320	312	6.26	cps
Lead	206-1	720228	742166	736742	733045	1.56	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P8
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:37:26	DataFile Name :	015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	610568	623158	619289	617672	1.04	cps
Lead	208-1	2816210	2889437	2865110	2856919	1.31	cps
Lithium	6-1	19548215	20340562	20087395	19992057	2.02	cps
Magnesium	24-2	68388672	67843929	67429552	67887385	0.71	cps
Manganese	55-2	120830	120100	118591	119840	0.95	cps
Molybdenum	94-1	18599750	19232047	19086565	18972787	1.75	cps
Molybdenum	95-1	32629108	33743773	33226108	33199663	1.68	cps
Molybdenum	96-1	34810116	36071857	36040639	35640871	2.02	cps
Molybdenum	97-1	20038814	20789900	20871908	20566874	2.23	cps
Molybdenum	98-1	51964524	53920549	54076348	53320474	2.21	cps
Neodymium	150-1	283	247	233	254	10.18	cps
Neodymium	150-2	50	47	50	49	3.93	cps
Nickel	60-2	103063	102140	100055	101753	1.51	cps
Phosphorus	31-2	1105043	1086156	1073399	1088199	1.46	cps
Potassium	39-2	50558533	49855164	49555084	49989594	1.03	cps
Rhodium	103-1	33354618	33799970	34190303	33781630	1.24	cps
Rhodium	103-2	13681506	13454091	13571237	13568945	0.84	cps
Scandium	45-1	26576378	27175268	26796711	26849452	1.13	cps
Scandium	45-2	776711	773217	768993	772974	0.50	cps
Selenium	82-1	9777	10501	10241	10173	3.60	cps
Selenium	77-2	260	247	333	280	16.67	cps
Selenium	78-2	1040	960	943	981	5.27	cps
Silicon	28-1	1479069	1498567	1503455	1493697	0.86	cps
Silver	107-1	741278	767898	766492	758556	1.97	cps
Silver	109-1	708876	733501	732550	724976	1.92	cps
Sodium	23-2	139656465	140451165	139730831	139946153	0.31	cps
Strontium	86-1	366300	376774	378878	373984	1.80	cps
Strontium	88-1	3259930	3334974	3436852	3343919	2.66	cps
Sulfur	34-1	16601633	16709557	16780156	16697115	0.54	cps
Terbium	159-1	48737428	50739358	50491978	49989588	2.18	cps
Terbium	159-2	19185006	18461542	18427746	18691431	2.29	cps
Thallium	203-1	729836	741184	736592	735871	0.78	cps
Thallium	205-1	1760675	1811816	1810101	1794198	1.62	cps
Tin	118-1	7759	7649	7912	7773	1.70	cps
Titanium	47-1	10598092	10710706	10753103	10687300	0.75	cps
Uranium	238-1	1997	2060	2057	2038	1.75	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P8
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:37:26	DataFile Name :	015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	135171	134794	133391	134452	0.70	cps
Ytterbium	172-1	350	363	357	357	1.87	cps
Ytterbium	172-2	167	137	153	152	9.87	cps
Ytterbium	176-1	11555	12099	11735	11797	2.35	cps
Ytterbium	176-2	68091	66949	66734	67258	1.08	cps
Yttrium	89-1	56851676	58468727	59993046	58437816	2.69	cps
Yttrium	89-2	5536664	5534866	5452450	5507993	0.87	cps
Zinc	66-2	37353	37550	36587	37163	1.37	cps
Zirconium	90-1	4147	4834	4828	4603	8.57	cps
Zirconium	91-1	1013	1027	1053	1031	1.98	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV006	Instrumnet Name :	P8
Client Sample ID :	CCV006	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:40:35	DataFile Name :	016CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14179008	13746747	14171677	14032477	1.76	cps
Antimony	121-1	13334500	13507761	13583089	13475116	0.95	cps
Arsenic	75-2	329322	325806	324966	326698	0.71	cps
Barium	135-1	19684957	19699298	20196411	19860222	1.47	cps
Barium	137-1	33391087	34069122	34381800	33947336	1.49	cps
Beryllium	9-1	5079632	5110862	5192505	5127666	1.14	cps
Bismuth	209-1	25375609	25022280	24977367	25125085	0.87	cps
Bismuth	209-2	11150791	11192342	10980642	11107925	1.01	cps
Bromine	81-1	20896	21310	21353	21186	1.19	cps
Cadmium	108-1	331112	338874	338577	336188	1.31	cps
Cadmium	106-1	503234	510249	503954	505813	0.76	cps
Cadmium	111-1	3847470	3971831	3911989	3910430	1.59	cps
Calcium	43-1	28841387	30665373	29502381	29669714	3.11	cps
Calcium	44-1	471226580	474892126	476215420	474111375	0.55	cps
Carbon	12-1	7060095	7194559	7468739	7241131	2.88	cps
Carbon	12-2	84960	85419	85258	85213	0.27	cps
Chlorine	35-1	5314830	4893558	4589050	4932479	7.39	cps
Chlorine	35-2	21563	20314	19446	20441	5.20	cps
Chromium	52-2	4546958	4418903	4451896	4472586	1.49	cps
Cobalt	59-2	7732527	7897562	7825823	7818637	1.06	cps
Copper	63-2	59511084	59757106	58365777	59211322	1.25	cps
Dysprosium	156-1	1867	1957	1750	1858	5.58	cps
Dysprosium	156-2	670	680	670	673	0.86	cps
Erbium	164-1	1137	1140	1227	1168	4.37	cps
Erbium	164-2	383	533	417	444	17.72	cps
Gadolinium	160-1	1467	1457	1457	1460	0.40	cps
Gadolinium	160-2	1103	1207	1110	1140	5.07	cps
Holmium	165-1	47367093	46355886	47345673	47022884	1.23	cps
Holmium	165-2	18290513	17816476	18030876	18045955	1.32	cps
Indium	115-1	35010768	35565852	34156791	34911137	2.03	cps
Indium	115-2	4780750	4803918	4709193	4764620	1.04	cps
Iron	54-2	49363253	48060678	47582851	48335594	1.91	cps
Iron	56-2	870167080	890052067	880757480	880325542	1.13	cps
Iron	57-2	22203649	22442396	21969616	22205220	1.06	cps
Krypton	83-1	383	460	503	449	13.54	cps
Lead	206-1	62097919	62550769	63080276	62576321	0.79	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV006	Instrumnet Name :	P8
Client Sample ID :	CCV006	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:40:35	DataFile Name :	016CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	53651969	55299316	53172901	54041395	2.06	cps
Lead	208-1	246583790	253609036	248563025	249585284	1.45	cps
Lithium	6-1	18599105	18596131	18087490	18427575	1.60	cps
Magnesium	24-2	177703777	177569011	174839844	176704211	0.91	cps
Manganese	55-2	23843471	23159811	23348670	23450651	1.51	cps
Molybdenum	94-1	60979154	62846357	62121751	61982421	1.52	cps
Molybdenum	95-1	88378769	90708822	89382962	89490184	1.31	cps
Molybdenum	96-1	96709619	98168919	98933479	97937339	1.15	cps
Molybdenum	97-1	55302996	55487271	55877539	55555935	0.53	cps
Molybdenum	98-1	142891325	144706921	144464841	144021029	0.68	cps
Neodymium	150-1	3784	3627	3701	3704	2.12	cps
Neodymium	150-2	423	393	410	409	3.67	cps
Nickel	60-2	2112925	2124455	2047134	2094838	1.99	cps
Phosphorus	31-2	110248	109277	110829	110118	0.71	cps
Potassium	39-2	65634972	64960772	65172624	65256123	0.53	cps
Rhodium	103-1	31211537	31261136	30586137	31019603	1.21	cps
Rhodium	103-2	12783104	12452003	12606343	12613817	1.31	cps
Scandium	45-1	25643355	25322757	25687254	25551122	0.78	cps
Scandium	45-2	754651	749795	747343	750596	0.50	cps
Selenium	82-1	240000	242833	242178	241670	0.61	cps
Selenium	77-2	6868	6792	6642	6767	1.70	cps
Selenium	78-2	22875	23249	23005	23043	0.82	cps
Silicon	28-1	30989285	32310825	31792409	31697506	2.10	cps
Silver	107-1	19690748	20090133	19858439	19879773	1.01	cps
Silver	109-1	17958045	18035687	18085379	18026370	0.36	cps
Sodium	23-2	356060755	360575261	357401048	358012355	0.65	cps
Strontium	86-1	139635755	141712015	141525715	140957828	0.81	cps
Strontium	88-1	1184493822	1203768409	1199218275	1195826836	0.84	cps
Sulfur	34-1	2361356	2442473	2366910	2390246	1.90	cps
Terbium	159-1	47675751	46746791	48052651	47491731	1.42	cps
Terbium	159-2	17991897	17636725	17571669	17733430	1.28	cps
Thallium	203-1	15445722	15335287	15893578	15558196	1.90	cps
Thallium	205-1	36674106	37125514	37606980	37135534	1.26	cps
Tin	118-1	13190937	13714513	13351815	13419088	2.00	cps
Titanium	47-1	27083660	27040161	27642789	27255537	1.23	cps
Uranium	238-1	54284148	54888126	54605138	54592470	0.55	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV006	Instrumnet Name :	P8
Client Sample ID :	CCV006	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:40:35	DataFile Name :	016CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	3664662	3574864	3499503	3579676	2.31	cps
Ytterbium	172-1	1200	1043	1107	1117	7.06	cps
Ytterbium	172-2	567	503	527	532	6.02	cps
Ytterbium	176-1	86853	88715	86175	87248	1.51	cps
Ytterbium	176-2	94240	94290	94683	94404	0.26	cps
Yttrium	89-1	55778934	55295216	54877983	55317378	0.82	cps
Yttrium	89-2	5493616	5340320	5425916	5419951	1.42	cps
Zinc	66-2	5845546	5896930	5827780	5856752	0.61	cps
Zirconium	90-1	29507015	30204103	30076724	29929280	1.24	cps
Zirconium	91-1	6504671	6745884	6598933	6616496	1.84	cps

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB006	Instrumnet Name :	P8
Client Sample ID :	CCB006	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:43:27	DataFile Name :	017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	600	470	497	522	13.15	cps
Antimony	121-1	4654	6025	9984	6888	40.18	cps
Arsenic	75-2	30	17	23	23	28.56	cps
Barium	135-1	710	893	673	759	15.53	cps
Barium	137-1	1403	1143	957	1168	19.21	cps
Beryllium	9-1	1468	1303	1224	1332	9.34	cps
Bismuth	209-1	32509372	32508591	32640983	32552982	0.23	cps
Bismuth	209-2	14491871	14270591	14167934	14310132	1.16	cps
Bromine	81-1	23640	22979	22926	23181	1.72	cps
Cadmium	108-1	123	113	100	112	10.43	cps
Cadmium	106-1	35800	35870	35435	35702	0.65	cps
Cadmium	111-1	25260	25310	24948	25173	0.78	cps
Calcium	43-1	1610	1390	1157	1386	16.36	cps
Calcium	44-1	33334	29182	26675	29730	11.31	cps
Carbon	12-1	5368070	5169596	5160891	5232853	2.24	cps
Carbon	12-2	50172	49259	50025	49818	0.98	cps
Chlorine	35-1	2292070	2146120	2014340	2150843	6.46	cps
Chlorine	35-2	9450	9296	8906	9217	3.04	cps
Chromium	52-2	1533	1413	1457	1468	4.14	cps
Cobalt	59-2	423	223	333	327	30.66	cps
Copper	63-2	25633	24835	23957	24808	3.38	cps
Dysprosium	156-1	250	147	237	211	26.62	cps
Dysprosium	156-2	50	17	27	31	54.97	cps
Erbium	164-1	340	360	367	356	3.90	cps
Erbium	164-2	110	153	137	133	16.40	cps
Gadolinium	160-1	607	723	607	646	10.43	cps
Gadolinium	160-2	850	967	830	882	8.37	cps
Holmium	165-1	51724018	52499953	52683908	52302626	0.97	cps
Holmium	165-2	20259457	20238271	19839117	20112282	1.18	cps
Indium	115-1	41951749	42363179	41971610	42095513	0.55	cps
Indium	115-2	5661474	5566341	5517345	5581720	1.31	cps
Iron	54-2	1954	2130	1990	2025	4.61	cps
Iron	56-2	25211	24338	23254	24268	4.04	cps
Iron	57-2	690	733	693	706	3.42	cps
Krypton	83-1	293	247	273	271	8.64	cps
Lead	206-1	6238	5271	4761	5424	13.84	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB006	Instrumnet Name :	P8
Client Sample ID :	CCB006	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:43:27	DataFile Name :	017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4984	4471	4171	4542	9.06	cps
Lead	208-1	24812	19683	18849	21115	15.29	cps
Lithium	6-1	21187812	21132618	21148018	21156149	0.13	cps
Magnesium	24-2	3327	2450	2104	2627	24.01	cps
Manganese	55-2	663	693	707	688	3.23	cps
Molybdenum	94-1	6172	5511	5828	5837	5.66	cps
Molybdenum	95-1	5021	4524	4524	4690	6.12	cps
Molybdenum	96-1	5785	5178	5104	5356	6.97	cps
Molybdenum	97-1	3010	2987	2640	2879	7.20	cps
Molybdenum	98-1	8216	6985	7282	7495	8.57	cps
Neodymium	150-1	57	40	67	54	24.75	cps
Neodymium	150-2	10	10	17	12	31.50	cps
Nickel	60-2	627	593	607	609	2.76	cps
Phosphorus	31-2	420	360	393	391	7.69	cps
Potassium	39-2	33442	32874	32436	32918	1.53	cps
Rhodium	103-1	38856634	39485479	39344021	39228712	0.84	cps
Rhodium	103-2	16320719	16349808	15986887	16219138	1.24	cps
Scandium	45-1	29442804	29440279	29406185	29429756	0.07	cps
Scandium	45-2	824361	821322	806120	817268	1.20	cps
Selenium	82-1	-60	43	7	-3	-1573.30	cps
Selenium	77-2	0	7	0	2	173.21	cps
Selenium	78-2	20	17	23	20	16.65	cps
Silicon	28-1	910763	916338	901660	909587	0.81	cps
Silver	107-1	2309	1831	1543	1894	20.42	cps
Silver	109-1	1513	1343	1313	1390	7.76	cps
Sodium	23-2	87730	85546	81446	84907	3.76	cps
Strontium	86-1	4534	3968	2794	3765	23.58	cps
Strontium	88-1	35622	26500	19923	27348	28.83	cps
Sulfur	34-1	788824	791790	790161	790258	0.19	cps
Terbium	159-1	52563521	54407208	54256996	53742575	1.91	cps
Terbium	159-2	20355323	19878361	19873963	20035882	1.38	cps
Thallium	203-1	3984	3401	3130	3505	12.45	cps
Thallium	205-1	8846	7949	7199	7998	10.31	cps
Tin	118-1	3511	3651	3257	3473	5.75	cps
Titanium	47-1	1500	1237	1053	1263	17.77	cps
Uranium	238-1	1990	1303	950	1415	37.39	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB006	Instrumnet Name :	P8
Client Sample ID :	CCB006	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:43:27	DataFile Name :	017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	77	33	53	54	39.84	cps
Ytterbium	172-1	337	367	343	349	4.52	cps
Ytterbium	172-2	113	140	147	133	13.23	cps
Ytterbium	176-1	12383	12686	12713	12594	1.46	cps
Ytterbium	176-2	72873	74445	73784	73701	1.07	cps
Yttrium	89-1	62344862	62449086	62697644	62497197	0.29	cps
Yttrium	89-2	5963993	5981571	5881593	5942386	0.90	cps
Zinc	66-2	2660	2944	2477	2694	8.73	cps
Zirconium	90-1	8810	9066	9357	9078	3.02	cps
Zirconium	91-1	1840	1647	1930	1806	8.02	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2797-12ADLX2	Instrumnet Name :	P8
Client Sample ID :	MYD4P9A	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 14:48:13	DataFile Name :	018AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8548771	8742917	8634895	8642194	1.13	cps
Antimony	121-1	36011	37615	38554	37393	3.44	cps
Arsenic	75-2	59100	57601	58149	58283	1.30	cps
Barium	135-1	1816215	1826086	1817632	1819978	0.29	cps
Barium	137-1	3076014	3122658	3107151	3101941	0.77	cps
Beryllium	9-1	13067	13081	13001	13050	0.33	cps
Bismuth	209-1	30684395	31278686	30808307	30923796	1.01	cps
Bismuth	209-2	13557138	13778359	13770691	13702062	0.92	cps
Bromine	81-1	24829	25927	25273	25343	2.18	cps
Cadmium	108-1	1407	1413	1337	1386	3.07	cps
Cadmium	106-1	38022	38206	38587	38272	0.75	cps
Cadmium	111-1	32973	32977	33100	33017	0.22	cps
Calcium	43-1	1174188	1247230	1232279	1217899	3.17	cps
Calcium	44-1	20071214	20018168	20149872	20079751	0.33	cps
Carbon	12-1	6677288	6677486	6772453	6709075	0.82	cps
Carbon	12-2	67065	66275	67350	66897	0.83	cps
Chlorine	35-1	109925145	117823115	119960758	115903006	4.56	cps
Chlorine	35-2	659995	666967	665606	664189	0.56	cps
Chromium	52-2	310076	310753	308014	309614	0.46	cps
Cobalt	59-2	384664	387139	388997	386933	0.56	cps
Copper	63-2	1148749	1168621	1171189	1162853	1.06	cps
Dysprosium	156-1	226366	230732	228214	228438	0.96	cps
Dysprosium	156-2	84045	85354	85850	85083	1.10	cps
Erbium	164-1	175668	179271	178393	177777	1.06	cps
Erbium	164-2	67349	66857	67858	67355	0.74	cps
Gadolinium	160-1	189770	192480	193818	192023	1.07	cps
Gadolinium	160-2	82875	83624	83606	83368	0.51	cps
Holmium	165-1	52141759	51206574	52202401	51850245	1.08	cps
Holmium	165-2	19664321	19891651	20165233	19907068	1.26	cps
Indium	115-1	40674492	40980276	40489667	40714812	0.61	cps
Indium	115-2	5469238	5494900	5549707	5504615	0.75	cps
Iron	54-2	29809130	29935072	29380199	29708133	0.98	cps
Iron	56-2	535888725	532168059	537248312	535101699	0.49	cps
Iron	57-2	13537407	13536200	13449735	13507780	0.37	cps
Krypton	83-1	600	553	640	598	7.26	cps
Lead	206-1	1489946	1498414	1516138	1501500	0.89	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2797-12ADLX2	Instrumnet Name :	P8
Client Sample ID :	MYD4P9A	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 14:48:13	DataFile Name :	018AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1336588	1357892	1368451	1354310	1.20	cps
Lead	208-1	6163529	6216825	6215624	6198659	0.49	cps
Lithium	6-1	21438694	21092262	21448366	21326441	0.95	cps
Magnesium	24-2	7619267	7732998	7820323	7724196	1.31	cps
Manganese	55-2	4677744	4772268	4637078	4695697	1.48	cps
Molybdenum	94-1	160838	164359	163538	162912	1.13	cps
Molybdenum	95-1	13453	13774	14628	13952	4.35	cps
Molybdenum	96-1	43307	44340	45381	44343	2.34	cps
Molybdenum	97-1	8336	8846	8833	8672	3.35	cps
Molybdenum	98-1	22068	22645	22675	22463	1.52	cps
Neodymium	150-1	308591	314451	315916	312986	1.24	cps
Neodymium	150-2	91338	91094	90697	91043	0.36	cps
Nickel	60-2	117820	120283	120996	119700	1.39	cps
Phosphorus	31-2	18372	18332	18602	18435	0.79	cps
Potassium	39-2	1681629	1646727	1673556	1667304	1.10	cps
Rhodium	103-1	37885025	38223097	38495791	38201304	0.80	cps
Rhodium	103-2	15528839	15742933	15653336	15641703	0.69	cps
Scandium	45-1	30039280	29679988	29572133	29763800	0.82	cps
Scandium	45-2	827823	842907	845176	838635	1.12	cps
Selenium	82-1	620	730	427	592	25.93	cps
Selenium	77-2	440	493	477	470	5.81	cps
Selenium	78-2	360	410	367	379	7.16	cps
Silicon	28-1	69629972	70944594	70888179	70487582	1.05	cps
Silver	107-1	20345	21011	21589	20982	2.97	cps
Silver	109-1	14808	14878	15052	14913	0.84	cps
Sodium	23-2	281043	281593	283492	282043	0.46	cps
Strontium	86-1	585936	601159	598574	595223	1.37	cps
Strontium	88-1	5299076	5388805	5305818	5331233	0.94	cps
Sulfur	34-1	804639	801188	791039	798955	0.88	cps
Terbium	159-1	52656449	52617264	53894336	53056016	1.37	cps
Terbium	159-2	19289041	20057689	19816042	19720924	1.99	cps
Thallium	203-1	8693	8469	8720	8627	1.59	cps
Thallium	205-1	21207	20977	20236	20807	2.44	cps
Tin	118-1	34824	36004	36201	35676	2.09	cps
Titanium	47-1	5513352	5672957	5648973	5611761	1.53	cps
Uranium	238-1	73508	75834	76659	75334	2.17	cps

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2797-12ADLX2	Instrumnet Name :	P8
Client Sample ID :	MYD4P9A	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 14:48:13	DataFile Name :	018AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2111658	2170801	2153753	2145404	1.42	cps
Ytterbium	172-1	55251	55462	56523	55746	1.22	cps
Ytterbium	172-2	24362	25271	25641	25092	2.62	cps
Ytterbium	176-1	47395	46973	47672	47347	0.74	cps
Ytterbium	176-2	86843	87591	89470	87968	1.54	cps
Yttrium	89-1	64488992	65273209	65044661	64935621	0.62	cps
Yttrium	89-2	6121933	6054566	6111613	6096037	0.60	cps
Zinc	66-2	281424	281509	280437	281123	0.21	cps
Zirconium	90-1	422988	431959	435894	430280	1.54	cps
Zirconium	91-1	92954	96008	95427	94796	1.71	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV007	Instrumnet Name :	P8
Client Sample ID :	CCV007	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:51:17	DataFile Name :	019CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14143471	14196332	14060294	14133366	0.49	cps
Antimony	121-1	13575554	13569601	13484499	13543218	0.38	cps
Arsenic	75-2	330314	330361	327848	329508	0.44	cps
Barium	135-1	20124237	19856373	20029278	20003296	0.68	cps
Barium	137-1	33844605	34048023	34666463	34186363	1.25	cps
Beryllium	9-1	5101957	5257549	5200090	5186532	1.52	cps
Bismuth	209-1	25102844	25000820	25179732	25094465	0.36	cps
Bismuth	209-2	11297779	11006937	11153669	11152795	1.30	cps
Bromine	81-1	19978	20442	20692	20370	1.78	cps
Cadmium	108-1	339631	337166	337165	337988	0.42	cps
Cadmium	106-1	509148	507135	506727	507670	0.26	cps
Cadmium	111-1	3899943	3958741	3945506	3934730	0.78	cps
Calcium	43-1	29792321	29413517	29384435	29530091	0.77	cps
Calcium	44-1	477885686	475678140	480963713	478175846	0.56	cps
Carbon	12-1	6821159	7028049	7214546	7021251	2.80	cps
Carbon	12-2	84001	83958	84692	84217	0.49	cps
Chlorine	35-1	3958869	3640320	3389055	3662748	7.80	cps
Chlorine	35-2	15568	15278	14144	14997	5.02	cps
Chromium	52-2	4470685	4497275	4447654	4471871	0.56	cps
Cobalt	59-2	7772551	7875262	7820801	7822871	0.66	cps
Copper	63-2	59207682	59246552	59457729	59303988	0.23	cps
Dysprosium	156-1	1937	1793	1923	1885	4.20	cps
Dysprosium	156-2	660	623	690	658	5.08	cps
Erbium	164-1	1097	1237	1240	1191	6.87	cps
Erbium	164-2	427	420	417	421	1.21	cps
Gadolinium	160-1	1503	1450	1483	1479	1.82	cps
Gadolinium	160-2	1127	1163	1257	1182	5.67	cps
Holmium	165-1	47614001	46919451	46079831	46871094	1.64	cps
Holmium	165-2	17959889	18201812	17991051	18050918	0.73	cps
Indium	115-1	34954424	34903261	33817673	34558453	1.86	cps
Indium	115-2	4845969	4774923	4817912	4812934	0.74	cps
Iron	54-2	47851679	48186544	48846933	48295052	1.05	cps
Iron	56-2	882362040	887604280	889294040	886420120	0.41	cps
Iron	57-2	22401248	22179252	22301829	22294110	0.50	cps
Krypton	83-1	420	367	417	401	7.45	cps
Lead	206-1	62803004	62792506	62456426	62683979	0.31	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV007	Instrumnet Name :	P8
Client Sample ID :	CCV007	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:51:17	DataFile Name :	019CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	54434144	54407903	53846469	54229505	0.61	cps
Lead	208-1	250200030	249947243	249490670	249879314	0.14	cps
Lithium	6-1	18167472	18557183	18264889	18329848	1.11	cps
Magnesium	24-2	175662297	178240577	179228297	177710391	1.04	cps
Manganese	55-2	23455154	23538840	23782282	23592092	0.72	cps
Molybdenum	94-1	61395332	61708519	61764002	61622618	0.32	cps
Molybdenum	95-1	89593222	89287645	89496219	89459029	0.17	cps
Molybdenum	96-1	98881555	98141455	98785569	98602860	0.41	cps
Molybdenum	97-1	55731693	55367726	55360169	55486529	0.38	cps
Molybdenum	98-1	142649918	143750475	143031478	143143957	0.39	cps
Neodymium	150-1	3544	3694	3787	3675	3.34	cps
Neodymium	150-2	310	343	350	334	6.41	cps
Nickel	60-2	2090027	2101048	2076500	2089192	0.59	cps
Phosphorus	31-2	111226	111662	110896	111261	0.35	cps
Potassium	39-2	66604472	65563517	64271279	65479756	1.79	cps
Rhodium	103-1	31417303	30581145	30593451	30863966	1.55	cps
Rhodium	103-2	12962017	12658991	12688099	12769702	1.31	cps
Scandium	45-1	25364260	25812611	25618289	25598387	0.88	cps
Scandium	45-2	759964	763042	756073	759693	0.46	cps
Selenium	82-1	240554	242121	242096	241590	0.37	cps
Selenium	77-2	6888	7045	7109	7014	1.62	cps
Selenium	78-2	23817	23343	23403	23521	1.10	cps
Silicon	28-1	31941348	31507983	31580090	31676474	0.73	cps
Silver	107-1	20083621	19904555	19928082	19972086	0.49	cps
Silver	109-1	17778196	18146124	18090769	18005029	1.10	cps
Sodium	23-2	356502968	362323968	364076941	360967959	1.10	cps
Strontium	86-1	140675761	140382108	139673961	140243943	0.37	cps
Strontium	88-1	1204539129	1199905075	1201850329	1202098178	0.19	cps
Sulfur	34-1	2406015	2377160	2365617	2382931	0.87	cps
Terbium	159-1	47759779	47319843	47551909	47543844	0.46	cps
Terbium	159-2	17834028	18018795	17641543	17831455	1.06	cps
Thallium	203-1	15590009	15615517	15605041	15603522	0.08	cps
Thallium	205-1	37165978	36921676	37290934	37126196	0.51	cps
Tin	118-1	13551257	13523341	13315008	13463202	0.96	cps
Titanium	47-1	27201233	27494587	27548836	27414885	0.68	cps
Uranium	238-1	55010491	54753149	54204179	54655940	0.75	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV007	Instrumnet Name :	P8
Client Sample ID :	CCV007	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:51:17	DataFile Name :	019CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	3535767	3630372	3619125	3595088	1.44	cps
Ytterbium	172-1	1117	1040	1217	1125	7.88	cps
Ytterbium	172-2	510	537	523	523	2.55	cps
Ytterbium	176-1	88387	87460	86786	87544	0.92	cps
Ytterbium	176-2	96268	96603	95975	96282	0.33	cps
Yttrium	89-1	55955614	55207843	54892348	55351935	0.99	cps
Yttrium	89-2	5524529	5549898	5434588	5503005	1.10	cps
Zinc	66-2	5855050	5867280	5835094	5852474	0.28	cps
Zirconium	90-1	29730369	29801204	29913709	29815094	0.31	cps
Zirconium	91-1	6608320	6648019	6679106	6645148	0.53	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB007	Instrumnet Name :	P8
Client Sample ID :	CCB007	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:54:52	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	623	423	450	499	21.77	cps
Antimony	121-1	3604	5138	7879	5540	39.09	cps
Arsenic	75-2	20	23	23	22	8.65	cps
Barium	135-1	630	607	620	619	1.89	cps
Barium	137-1	1210	720	787	906	29.35	cps
Beryllium	9-1	1191	1197	1108	1165	4.27	cps
Bismuth	209-1	32201973	32271808	31879642	32117808	0.65	cps
Bismuth	209-2	14394812	14292017	14420220	14369016	0.47	cps
Bromine	81-1	23477	23567	23239	23428	0.72	cps
Cadmium	108-1	100	120	73	98	23.95	cps
Cadmium	106-1	35198	34610	35182	34997	0.96	cps
Cadmium	111-1	24822	24383	24762	24656	0.97	cps
Calcium	43-1	1283	1003	1100	1129	12.60	cps
Calcium	44-1	26002	23087	22856	23982	7.31	cps
Carbon	12-1	5283172	5146875	5136105	5188717	1.58	cps
Carbon	12-2	49777	50370	49058	49735	1.32	cps
Chlorine	35-1	1556040	1451248	1379367	1462219	6.08	cps
Chlorine	35-2	6515	6812	6138	6488	5.20	cps
Chromium	52-2	1487	1540	1387	1471	5.29	cps
Cobalt	59-2	263	253	257	258	1.98	cps
Copper	63-2	17157	16874	16333	16788	2.49	cps
Dysprosium	156-1	220	143	207	190	21.56	cps
Dysprosium	156-2	23	23	23	23	0.00	cps
Erbium	164-1	383	323	370	359	8.78	cps
Erbium	164-2	163	157	133	151	10.42	cps
Gadolinium	160-1	590	643	640	624	4.78	cps
Gadolinium	160-2	903	820	950	891	7.39	cps
Holmium	165-1	52101569	53452378	52075971	52543306	1.50	cps
Holmium	165-2	20297028	20303586	20470939	20357184	0.48	cps
Indium	115-1	42079380	42408038	41286724	41924714	1.37	cps
Indium	115-2	5772696	5679772	5747867	5733445	0.84	cps
Iron	54-2	1783	1843	1760	1796	2.39	cps
Iron	56-2	21617	22368	20002	21329	5.67	cps
Iron	57-2	710	583	517	603	16.28	cps
Krypton	83-1	273	310	270	284	7.80	cps
Lead	206-1	5104	4378	3661	4381	16.48	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB007	Instrumnet Name :	P8
Client Sample ID :	CCB007	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:54:52	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4034	3741	3237	3671	10.98	cps
Lead	208-1	19944	16965	15708	17539	12.40	cps
Lithium	6-1	21066679	20875997	21233061	21058579	0.85	cps
Magnesium	24-2	1924	2507	1800	2077	18.18	cps
Manganese	55-2	753	707	483	648	22.28	cps
Molybdenum	94-1	4581	4194	4781	4519	6.60	cps
Molybdenum	95-1	3194	3060	3404	3219	5.38	cps
Molybdenum	96-1	4541	3577	3787	3969	12.77	cps
Molybdenum	97-1	1837	1894	1984	1905	3.88	cps
Molybdenum	98-1	4741	4728	4831	4767	1.17	cps
Neodymium	150-1	47	60	37	48	24.50	cps
Neodymium	150-2	3	3	10	6	69.34	cps
Nickel	60-2	540	503	570	538	6.21	cps
Phosphorus	31-2	403	413	353	390	8.24	cps
Potassium	39-2	29717	30065	30061	29948	0.67	cps
Rhodium	103-1	40170335	39265238	39547921	39661165	1.17	cps
Rhodium	103-2	16310479	16436814	16581178	16442824	0.82	cps
Scandium	45-1	29059471	29044302	28700592	28934788	0.70	cps
Scandium	45-2	822601	824437	837093	828044	0.95	cps
Selenium	82-1	-33	-17	23	-9	-327.49	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	23	20	27	23	14.29	cps
Silicon	28-1	899565	885995	879601	888387	1.15	cps
Silver	107-1	1421	1474	1598	1498	6.06	cps
Silver	109-1	1137	1067	1130	1111	3.48	cps
Sodium	23-2	81932	78912	78868	79904	2.20	cps
Strontium	86-1	3214	2070	2237	2507	24.64	cps
Strontium	88-1	17673	17998	13884	16519	13.85	cps
Sulfur	34-1	792469	790727	792235	791810	0.12	cps
Terbium	159-1	52787256	53740078	53855643	53460992	1.10	cps
Terbium	159-2	20380196	20271562	19980899	20210885	1.02	cps
Thallium	203-1	2720	2744	2530	2665	4.39	cps
Thallium	205-1	6925	6175	6028	6376	7.55	cps
Tin	118-1	2934	2860	2824	2873	1.95	cps
Titanium	47-1	1040	897	827	921	11.81	cps
Uranium	238-1	1250	860	693	935	30.58	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB007	Instrumnet Name :	P8
Client Sample ID :	CCB007	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:54:52	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	67	50	47	54	19.68	cps
Ytterbium	172-1	307	337	347	330	6.31	cps
Ytterbium	172-2	183	133	153	157	16.06	cps
Ytterbium	176-1	12489	12456	12286	12410	0.88	cps
Ytterbium	176-2	74180	75059	75045	74761	0.67	cps
Yttrium	89-1	63368599	62933279	61750186	62684021	1.34	cps
Yttrium	89-2	5963527	5940138	6110514	6004726	1.54	cps
Zinc	66-2	2557	2674	2644	2625	2.31	cps
Zirconium	90-1	8072	7782	8653	8169	5.43	cps
Zirconium	91-1	1567	1523	1670	1587	4.75	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163792BL	Instrumnet Name :	P8
Client Sample ID :	PBS792	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:59:25	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	263	367	333	321	16.42	cps
Antimony	121-1	917	1337	2007	1420	38.72	cps
Arsenic	75-2	7	7	3	6	34.70	cps
Barium	135-1	483	307	347	379	24.45	cps
Barium	137-1	693	647	673	671	3.49	cps
Beryllium	9-1	795	817	867	826	4.44	cps
Bismuth	209-1	32629275	32766735	32365541	32587184	0.63	cps
Bismuth	209-2	14431141	14440701	14633300	14501714	0.79	cps
Bromine	81-1	23954	23483	24144	23860	1.43	cps
Cadmium	108-1	60	53	93	69	31.11	cps
Cadmium	106-1	34634	34363	34901	34632	0.78	cps
Cadmium	111-1	24281	24077	24455	24271	0.78	cps
Calcium	43-1	720	627	717	688	7.70	cps
Calcium	44-1	18225	17401	17017	17548	3.52	cps
Carbon	12-1	4539510	4454281	4330299	4441363	2.37	cps
Carbon	12-2	42775	42952	42722	42817	0.28	cps
Chlorine	35-1	794167	771551	755234	773650	2.53	cps
Chlorine	35-2	3714	3944	3707	3788	3.56	cps
Chromium	52-2	1543	1447	1517	1502	3.32	cps
Cobalt	59-2	290	223	217	243	16.67	cps
Copper	63-2	13533	13133	12976	13214	2.17	cps
Dysprosium	156-1	207	170	260	212	21.33	cps
Dysprosium	156-2	17	23	23	21	18.21	cps
Erbium	164-1	387	350	453	397	13.21	cps
Erbium	164-2	147	130	150	142	7.53	cps
Gadolinium	160-1	657	560	657	624	8.94	cps
Gadolinium	160-2	863	907	813	861	5.42	cps
Holmium	165-1	51972844	51453178	52405513	51943845	0.92	cps
Holmium	165-2	20573511	20511022	20402427	20495653	0.42	cps
Indium	115-1	41670376	41993944	41908867	41857729	0.40	cps
Indium	115-2	5700070	5688887	5687139	5692032	0.12	cps
Iron	54-2	1327	1377	1337	1347	1.96	cps
Iron	56-2	14324	13873	13954	14050	1.71	cps
Iron	57-2	447	457	490	464	4.89	cps
Krypton	83-1	250	337	263	283	16.47	cps
Lead	206-1	2587	2410	2730	2576	6.22	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163792BL	Instrumnet Name :	P8
Client Sample ID :	PBS792	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:59:25	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2177	2207	2074	2152	3.25	cps
Lead	208-1	10268	9958	10148	10125	1.54	cps
Lithium	6-1	22056448	21475639	20906170	21479419	2.68	cps
Magnesium	24-2	1473	1383	1390	1416	3.54	cps
Manganese	55-2	470	510	443	474	7.07	cps
Molybdenum	94-1	1980	1907	2097	1995	4.80	cps
Molybdenum	95-1	630	723	780	711	10.65	cps
Molybdenum	96-1	950	1100	1127	1059	8.99	cps
Molybdenum	97-1	400	390	503	431	14.55	cps
Molybdenum	98-1	1067	1153	1160	1127	4.62	cps
Neodymium	150-1	70	23	43	46	51.40	cps
Neodymium	150-2	17	3	3	8	99.04	cps
Nickel	60-2	523	513	487	508	3.73	cps
Phosphorus	31-2	387	360	403	383	5.70	cps
Potassium	39-2	27383	26715	26564	26887	1.62	cps
Rhodium	103-1	39553325	39412088	40229683	39731699	1.10	cps
Rhodium	103-2	16731474	16159552	16628820	16506615	1.85	cps
Scandium	45-1	28702488	28517496	29145760	28788582	1.12	cps
Scandium	45-2	827111	825261	821419	824597	0.35	cps
Selenium	82-1	0	-143	33	-37	-256.01	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	30	13	10	18	60.28	cps
Silicon	28-1	857512	853589	850853	853985	0.39	cps
Silver	107-1	883	778	901	854	7.76	cps
Silver	109-1	447	350	403	400	12.10	cps
Sodium	23-2	61388	62148	61820	61786	0.62	cps
Strontium	86-1	787	577	557	640	19.91	cps
Strontium	88-1	3812	2070	1460	2448	49.86	cps
Sulfur	34-1	812583	810760	810959	811434	0.12	cps
Terbium	159-1	52711208	52948598	52768561	52809455	0.23	cps
Terbium	159-2	20201999	20311070	20170173	20227747	0.37	cps
Thallium	203-1	1597	1530	1537	1555	2.36	cps
Thallium	205-1	3877	3704	3430	3671	6.14	cps
Tin	118-1	3504	3604	3617	3575	1.73	cps
Titanium	47-1	473	430	413	439	7.06	cps
Uranium	238-1	253	167	157	192	27.66	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163792BL	Instrumnet Name :	P8
Client Sample ID :	PBS792	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 14:59:25	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	30	33	23	29	17.63	cps
Ytterbium	172-1	300	297	337	311	7.13	cps
Ytterbium	172-2	153	137	133	141	7.59	cps
Ytterbium	176-1	11966	12389	12426	12260	2.09	cps
Ytterbium	176-2	73342	75313	75404	74686	1.56	cps
Yttrium	89-1	62670071	64230747	62117709	63006176	1.74	cps
Yttrium	89-2	6089972	5909809	6001730	6000504	1.50	cps
Zinc	66-2	2584	2444	2484	2504	2.88	cps
Zirconium	90-1	4901	5131	5348	5127	4.36	cps
Zirconium	91-1	797	793	997	862	13.51	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163792BS	Instrumnet Name :	P8
Client Sample ID :	LCS792	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:02:42	DataFile Name :	022LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11388	11338	11171	11299	1.00	cps
Antimony	121-1	121235	124340	123925	123167	1.37	cps
Arsenic	75-2	1533	1513	1520	1522	0.67	cps
Barium	135-1	167267	169622	170524	169138	0.99	cps
Barium	137-1	293617	297613	296948	296059	0.72	cps
Beryllium	9-1	21877	21880	21752	21836	0.33	cps
Bismuth	209-1	32197771	32304701	32025309	32175927	0.44	cps
Bismuth	209-2	14335126	14104326	14034666	14158039	1.11	cps
Bromine	81-1	22906	23186	23637	23243	1.59	cps
Cadmium	108-1	1607	1513	1700	1607	5.81	cps
Cadmium	106-1	38494	37387	37407	37763	1.68	cps
Cadmium	111-1	43446	42893	43204	43181	0.64	cps
Calcium	43-1	120146	120890	120405	120480	0.31	cps
Calcium	44-1	2033114	2102139	2003862	2046372	2.47	cps
Carbon	12-1	4665780	4560423	4626729	4617644	1.15	cps
Carbon	12-2	44785	44918	44063	44588	1.03	cps
Chlorine	35-1	610149	595626	580799	595525	2.46	cps
Chlorine	35-2	2950	2940	2977	2956	0.64	cps
Chromium	52-2	42707	42908	42944	42853	0.30	cps
Cobalt	59-2	35915	35995	35290	35734	1.08	cps
Copper	63-2	67081	68464	67714	67753	1.02	cps
Dysprosium	156-1	213	157	213	194	16.83	cps
Dysprosium	156-2	23	33	27	28	18.33	cps
Erbium	164-1	420	373	320	371	13.48	cps
Erbium	164-2	140	83	97	107	27.78	cps
Gadolinium	160-1	683	660	603	649	6.34	cps
Gadolinium	160-2	857	830	810	832	2.81	cps
Holmium	165-1	53243266	53015949	52425054	52894756	0.80	cps
Holmium	165-2	19793621	20022633	19919228	19911827	0.58	cps
Indium	115-1	41102013	41486249	41404031	41330764	0.49	cps
Indium	115-2	5564422	5574732	5547242	5562132	0.25	cps
Iron	54-2	176467	177269	176241	176659	0.31	cps
Iron	56-2	3233574	3286883	3246973	3255810	0.85	cps
Iron	57-2	80686	79299	79828	79938	0.88	cps
Krypton	83-1	237	283	327	282	15.95	cps
Lead	206-1	61143	62506	61981	61877	1.11	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163792BS	Instrumnet Name :	P8
Client Sample ID :	LCS792	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:02:42	DataFile Name :	022LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	54233	54096	54628	54319	0.51	cps
Lead	208-1	246303	250112	247933	248116	0.77	cps
Lithium	6-1	21083393	21092742	21130376	21102170	0.12	cps
Magnesium	24-2	800826	796263	799597	798895	0.30	cps
Manganese	55-2	10691	10257	10504	10484	2.07	cps
Molybdenum	94-1	150275	152620	149729	150875	1.02	cps
Molybdenum	95-1	179587	181513	179375	180158	0.65	cps
Molybdenum	96-1	198429	201767	200702	200299	0.85	cps
Molybdenum	97-1	111150	111288	112367	111602	0.60	cps
Molybdenum	98-1	288113	286348	288375	287612	0.38	cps
Neodymium	150-1	63	40	57	53	22.53	cps
Neodymium	150-2	7	10	7	8	24.71	cps
Nickel	60-2	10664	10461	10207	10444	2.19	cps
Phosphorus	31-2	363	370	377	370	1.80	cps
Potassium	39-2	559849	562039	556542	559477	0.49	cps
Rhodium	103-1	39906819	39889664	39192609	39663031	1.03	cps
Rhodium	103-2	15999961	16101986	15841124	15981024	0.82	cps
Scandium	45-1	28761740	29219091	28451152	28810661	1.34	cps
Scandium	45-2	805106	802285	801575	802989	0.23	cps
Selenium	82-1	5561	5625	5521	5569	0.94	cps
Selenium	77-2	143	147	177	156	11.80	cps
Selenium	78-2	493	533	457	494	7.76	cps
Silicon	28-1	1309508	1321661	1322574	1317914	0.55	cps
Silver	107-1	93460	94756	94473	94230	0.72	cps
Silver	109-1	88810	89052	89572	89145	0.44	cps
Sodium	23-2	1576897	1577814	1590934	1581882	0.50	cps
Strontium	86-1	24986	25213	24782	24994	0.86	cps
Strontium	88-1	209239	209931	209116	209428	0.21	cps
Sulfur	34-1	812648	819073	808043	813255	0.68	cps
Terbium	159-1	53993791	53758664	53713084	53821846	0.28	cps
Terbium	159-2	19807666	19803760	19642443	19751290	0.48	cps
Thallium	203-1	72213	73242	73135	72863	0.78	cps
Thallium	205-1	173902	175164	173796	174288	0.44	cps
Tin	118-1	4001	4214	4157	4124	2.68	cps
Titanium	47-1	56474	57076	55935	56495	1.01	cps
Uranium	238-1	235273	240874	235106	237084	1.38	cps

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163792BS	Instrumnet Name :	P8
Client Sample ID :	LCS792	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:02:42	DataFile Name :	022LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	74154	73173	74064	73797	0.74	cps
Ytterbium	172-1	373	360	353	362	2.81	cps
Ytterbium	172-2	130	147	140	139	6.04	cps
Ytterbium	176-1	12910	12846	12339	12698	2.46	cps
Ytterbium	176-2	71787	73761	73419	72989	1.45	cps
Yttrium	89-1	62138534	63395812	61928222	62487523	1.27	cps
Yttrium	89-2	5830539	5863099	5758044	5817227	0.92	cps
Zinc	66-2	16236	15792	15899	15976	1.45	cps
Zirconium	90-1	132681	135565	133151	133799	1.16	cps
Zirconium	91-1	28666	29652	29598	29305	1.89	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163792BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD792	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:05:59	DataFile Name :	023LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5985	5981	5611	5859	3.66	cps
Antimony	121-1	60945	60938	61785	61223	0.80	cps
Arsenic	75-2	693	713	730	712	2.58	cps
Barium	135-1	83506	83787	84435	83909	0.57	cps
Barium	137-1	145652	145444	147910	146335	0.93	cps
Beryllium	9-1	10899	10903	10763	10855	0.73	cps
Bismuth	209-1	32146466	32374672	32130539	32217226	0.42	cps
Bismuth	209-2	14643136	14368399	14100364	14370633	1.89	cps
Bromine	81-1	22872	22398	23557	22942	2.54	cps
Cadmium	108-1	870	857	787	838	5.34	cps
Cadmium	106-1	35709	36642	36268	36206	1.30	cps
Cadmium	111-1	33317	34319	34200	33946	1.61	cps
Calcium	43-1	58806	60463	59486	59585	1.40	cps
Calcium	44-1	955187	979692	971925	968934	1.29	cps
Carbon	12-1	4691145	4526022	4568798	4595322	1.86	cps
Carbon	12-2	44671	44597	44751	44673	0.17	cps
Chlorine	35-1	499949	490910	486469	492442	1.40	cps
Chlorine	35-2	2520	2530	2464	2505	1.44	cps
Chromium	52-2	22327	22034	21563	21975	1.75	cps
Cobalt	59-2	18232	18175	17651	18019	1.78	cps
Copper	63-2	39431	38516	39582	39176	1.47	cps
Dysprosium	156-1	243	197	230	223	10.76	cps
Dysprosium	156-2	23	20	23	22	8.65	cps
Erbium	164-1	420	403	340	388	10.88	cps
Erbium	164-2	137	147	140	141	3.61	cps
Gadolinium	160-1	627	653	707	662	6.15	cps
Gadolinium	160-2	847	797	787	810	3.97	cps
Holmium	165-1	52391631	52364008	52048768	52268135	0.36	cps
Holmium	165-2	20083053	19859436	19819150	19920546	0.71	cps
Indium	115-1	41406957	41372836	41668724	41482839	0.39	cps
Indium	115-2	5554793	5574364	5572670	5567276	0.19	cps
Iron	54-2	89173	87825	87087	88028	1.20	cps
Iron	56-2	1690497	1653914	1595645	1646685	2.91	cps
Iron	57-2	39949	40354	40143	40149	0.50	cps
Krypton	83-1	213	247	277	246	12.90	cps
Lead	206-1	30890	32096	31508	31498	1.91	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163792BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD792	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:05:59	DataFile Name :	023LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	27302	26778	28157	27412	2.54	cps
Lead	208-1	125218	126395	128296	126637	1.23	cps
Lithium	6-1	20694747	21128299	21060846	20961297	1.11	cps
Magnesium	24-2	401950	396884	396022	398285	0.80	cps
Manganese	55-2	5518	5281	5484	5428	2.36	cps
Molybdenum	94-1	74987	75698	75279	75321	0.47	cps
Molybdenum	95-1	89150	88245	88667	88687	0.51	cps
Molybdenum	96-1	97878	99476	101783	99712	1.97	cps
Molybdenum	97-1	54908	55286	54891	55028	0.41	cps
Molybdenum	98-1	142466	142931	144456	143284	0.73	cps
Neodymium	150-1	70	50	20	47	53.93	cps
Neodymium	150-2	10	10	13	11	17.30	cps
Nickel	60-2	5691	5488	5434	5538	2.45	cps
Phosphorus	31-2	320	310	360	330	8.02	cps
Potassium	39-2	291623	290270	286874	289589	0.84	cps
Rhodium	103-1	38630747	38923911	39868026	39140895	1.65	cps
Rhodium	103-2	16268157	15931841	15926818	16042272	1.22	cps
Scandium	45-1	28661588	29284632	28752380	28899533	1.16	cps
Scandium	45-2	817599	812682	808752	813011	0.55	cps
Selenium	82-1	2674	2630	2554	2619	2.32	cps
Selenium	77-2	70	70	63	68	5.68	cps
Selenium	78-2	283	250	277	270	6.53	cps
Silicon	28-1	1066136	1053652	1061865	1060551	0.60	cps
Silver	107-1	46657	46832	47800	47096	1.31	cps
Silver	109-1	43682	44676	45318	44559	1.85	cps
Sodium	23-2	801880	782562	785841	790094	1.31	cps
Strontium	86-1	12272	12055	12803	12377	3.11	cps
Strontium	88-1	102630	104155	105065	103950	1.18	cps
Sulfur	34-1	805462	809991	809756	808403	0.32	cps
Terbium	159-1	52981779	54182276	53969348	53711134	1.19	cps
Terbium	159-2	20048456	19822538	19604632	19825208	1.12	cps
Thallium	203-1	35562	37093	36398	36351	2.11	cps
Thallium	205-1	88385	88218	88459	88354	0.14	cps
Tin	118-1	3764	3657	3827	3749	2.29	cps
Titanium	47-1	26959	28355	28699	28004	3.29	cps
Uranium	238-1	115930	115818	117602	116450	0.86	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163792BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD792	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:05:59	DataFile Name :	023LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	36747	37192	36176	36705	1.39	cps
Ytterbium	172-1	283	343	357	328	11.92	cps
Ytterbium	172-2	143	130	173	149	14.91	cps
Ytterbium	176-1	12122	13030	12256	12469	3.93	cps
Ytterbium	176-2	73600	73818	74609	74009	0.72	cps
Yttrium	89-1	62240777	61595259	62488739	62108259	0.74	cps
Yttrium	89-2	6073376	5856291	5680322	5869996	3.35	cps
Zinc	66-2	9200	8923	9593	9239	3.65	cps
Zirconium	90-1	67670	66708	67084	67154	0.72	cps
Zirconium	91-1	14544	14982	14981	14836	1.70	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163799BL	Instrumnet Name :	P8
Client Sample ID :	PBS799	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:09:16	DataFile Name :	024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	310	353	347	337	6.93	cps
Antimony	121-1	357	453	723	511	37.18	cps
Arsenic	75-2	10	3	7	7	50.03	cps
Barium	135-1	453	420	370	414	10.12	cps
Barium	137-1	490	617	527	544	11.97	cps
Beryllium	9-1	612	593	589	598	2.04	cps
Bismuth	209-1	32197069	32298817	32255213	32250366	0.16	cps
Bismuth	209-2	14562024	13983929	14374273	14306742	2.06	cps
Bromine	81-1	22849	23276	23079	23068	0.93	cps
Cadmium	108-1	90	110	83	94	14.70	cps
Cadmium	106-1	34831	34460	35288	34860	1.19	cps
Cadmium	111-1	24372	24081	24687	24380	1.24	cps
Calcium	43-1	637	740	690	689	7.50	cps
Calcium	44-1	15849	15842	16199	15963	1.28	cps
Carbon	12-1	4514203	4374685	4357092	4415327	1.95	cps
Carbon	12-2	43187	43394	42986	43189	0.47	cps
Chlorine	35-1	423425	417340	412654	417807	1.29	cps
Chlorine	35-2	2060	2013	2044	2039	1.16	cps
Chromium	52-2	1423	1473	1333	1410	5.03	cps
Cobalt	59-2	233	247	227	236	4.32	cps
Copper	63-2	10210	10351	10384	10315	0.89	cps
Dysprosium	156-1	190	233	200	208	10.92	cps
Dysprosium	156-2	17	13	17	16	12.40	cps
Erbium	164-1	370	323	390	361	9.47	cps
Erbium	164-2	167	153	140	153	8.70	cps
Gadolinium	160-1	550	700	703	651	13.45	cps
Gadolinium	160-2	930	907	840	892	5.24	cps
Holmium	165-1	53319274	51113459	52504821	52312518	2.13	cps
Holmium	165-2	20102116	19478958	19952348	19844474	1.64	cps
Indium	115-1	41512309	40639215	41465898	41205808	1.19	cps
Indium	115-2	5495235	5498320	5522308	5505288	0.27	cps
Iron	54-2	1233	1320	1390	1315	5.97	cps
Iron	56-2	12779	13367	12529	12892	3.34	cps
Iron	57-2	420	423	353	399	9.90	cps
Krypton	83-1	253	267	283	268	5.61	cps
Lead	206-1	1887	1930	1984	1934	2.50	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163799BL	Instrumnet Name :	P8
Client Sample ID :	PBS799	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:09:16	DataFile Name :	024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1680	1623	1497	1600	5.87	cps
Lead	208-1	7768	7668	7501	7645	1.76	cps
Lithium	6-1	21010442	20968229	21544333	21174335	1.52	cps
Magnesium	24-2	1217	1070	1090	1126	7.07	cps
Manganese	55-2	323	337	367	342	6.48	cps
Molybdenum	94-1	1233	1297	1433	1321	7.74	cps
Molybdenum	95-1	333	323	410	356	13.34	cps
Molybdenum	96-1	540	520	637	566	11.03	cps
Molybdenum	97-1	173	200	200	191	8.05	cps
Molybdenum	98-1	433	490	523	482	9.44	cps
Neodymium	150-1	60	43	33	46	29.58	cps
Neodymium	150-2	7	10	10	9	21.63	cps
Nickel	60-2	507	400	547	484	15.65	cps
Phosphorus	31-2	320	320	313	318	1.21	cps
Potassium	39-2	24805	24210	23893	24303	1.90	cps
Rhodium	103-1	38827855	39675326	39854003	39452395	1.39	cps
Rhodium	103-2	15801357	16157574	16169056	16042663	1.30	cps
Scandium	45-1	29105254	29154585	28737222	28999020	0.79	cps
Scandium	45-2	814736	799721	812825	809094	1.01	cps
Selenium	82-1	63	0	-83	-7	-1102.88	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	3	10	7	7	50.03	cps
Silicon	28-1	819845	818128	818258	818744	0.12	cps
Silver	107-1	768	657	774	733	8.95	cps
Silver	109-1	450	407	297	384	20.56	cps
Sodium	23-2	49289	49022	48283	48865	1.07	cps
Strontium	86-1	587	530	390	502	20.16	cps
Strontium	88-1	1593	983	840	1139	35.13	cps
Sulfur	34-1	802955	799275	802341	801524	0.25	cps
Terbium	159-1	53732879	52422358	52616138	52923791	1.34	cps
Terbium	159-2	20170775	19452074	19701605	19774818	1.85	cps
Thallium	203-1	1010	907	1007	974	6.03	cps
Thallium	205-1	2257	2317	2447	2340	4.15	cps
Tin	118-1	3334	3424	3394	3384	1.35	cps
Titanium	47-1	337	443	383	388	13.79	cps
Uranium	238-1	127	80	67	91	34.58	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163799BL	Instrumnet Name :	P8
Client Sample ID :	PBS799	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:09:16	DataFile Name :	024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	27	13	17	19	36.75	cps
Ytterbium	172-1	390	373	313	359	11.24	cps
Ytterbium	172-2	160	137	170	156	11.00	cps
Ytterbium	176-1	12603	12446	12049	12366	2.31	cps
Ytterbium	176-2	73872	74740	74194	74269	0.59	cps
Yttrium	89-1	62903764	61163277	63600416	62555819	2.01	cps
Yttrium	89-2	5766484	5996603	5904365	5889151	1.97	cps
Zinc	66-2	2564	2677	2477	2572	3.90	cps
Zirconium	90-1	3644	3944	4261	3949	7.81	cps
Zirconium	91-1	737	637	747	707	8.61	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163799BS	Instrumnet Name :	P8
Client Sample ID :	LCS799	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:12:36	DataFile Name :	025LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11178	11164	11304	11216	0.69	cps
Antimony	121-1	123340	122792	122782	122971	0.26	cps
Arsenic	75-2	1587	1490	1547	1541	3.15	cps
Barium	135-1	171523	170948	169239	170570	0.70	cps
Barium	137-1	298286	297752	293377	296472	0.91	cps
Beryllium	9-1	21587	21809	21477	21624	0.78	cps
Bismuth	209-1	31638404	32006880	32021263	31888849	0.68	cps
Bismuth	209-2	13991813	14139589	14040756	14057386	0.54	cps
Bromine	81-1	23233	22525	22598	22785	1.71	cps
Cadmium	108-1	1583	1607	1677	1622	2.99	cps
Cadmium	106-1	37016	38146	36966	37376	1.79	cps
Cadmium	111-1	43900	43816	42631	43449	1.63	cps
Calcium	43-1	119296	119434	117498	118743	0.91	cps
Calcium	44-1	2047867	2062944	2034750	2048520	0.69	cps
Carbon	12-1	4701568	4537519	4580592	4606560	1.85	cps
Carbon	12-2	44838	44621	44744	44734	0.24	cps
Chlorine	35-1	389247	383901	376076	383074	1.73	cps
Chlorine	35-2	2057	1977	1773	1936	7.55	cps
Chromium	52-2	42690	42182	42841	42571	0.81	cps
Cobalt	59-2	35100	34906	34448	34818	0.96	cps
Copper	63-2	66722	65772	66290	66261	0.72	cps
Dysprosium	156-1	233	240	210	228	6.92	cps
Dysprosium	156-2	40	30	40	37	15.75	cps
Erbium	164-1	393	483	297	391	23.87	cps
Erbium	164-2	167	130	87	128	31.34	cps
Gadolinium	160-1	710	683	640	678	5.21	cps
Gadolinium	160-2	910	937	833	893	6.01	cps
Holmium	165-1	52621516	53082028	50389559	52031034	2.77	cps
Holmium	165-2	19619915	20006932	19569543	19732130	1.21	cps
Indium	115-1	41284300	41699187	41869048	41617512	0.72	cps
Indium	115-2	5458259	5523618	5617906	5533261	1.45	cps
Iron	54-2	174657	174145	175255	174686	0.32	cps
Iron	56-2	3262236	3240281	3253123	3251880	0.34	cps
Iron	57-2	79202	78752	81732	79895	2.01	cps
Krypton	83-1	290	233	277	267	11.11	cps
Lead	206-1	62707	61934	62332	62324	0.62	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163799BS	Instrumnet Name :	P8
Client Sample ID :	LCS799	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:12:36	DataFile Name :	025LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	54012	54534	53071	53873	1.38	cps
Lead	208-1	248764	247358	247022	247715	0.37	cps
Lithium	6-1	20960550	21243380	21246072	21150000	0.78	cps
Magnesium	24-2	796249	802895	802549	800564	0.47	cps
Manganese	55-2	10647	10130	10654	10477	2.87	cps
Molybdenum	94-1	151306	150757	149463	150508	0.63	cps
Molybdenum	95-1	182204	180595	177542	180114	1.31	cps
Molybdenum	96-1	199711	200354	200770	200278	0.27	cps
Molybdenum	97-1	112561	113499	110905	112322	1.17	cps
Molybdenum	98-1	289709	287365	288237	288437	0.41	cps
Neodymium	150-1	63	113	53	77	41.94	cps
Neodymium	150-2	3	13	27	14	81.07	cps
Nickel	60-2	10414	10157	10507	10359	1.75	cps
Phosphorus	31-2	370	330	400	367	9.58	cps
Potassium	39-2	557432	553943	554288	555221	0.35	cps
Rhodium	103-1	38990538	38831961	39332248	39051582	0.65	cps
Rhodium	103-2	15887156	15940505	16258215	16028625	1.25	cps
Scandium	45-1	28614165	29079217	28859840	28851074	0.81	cps
Scandium	45-2	794973	801901	800790	799221	0.47	cps
Selenium	82-1	5531	5685	5755	5657	2.02	cps
Selenium	77-2	107	140	160	136	19.87	cps
Selenium	78-2	460	563	470	498	11.45	cps
Silicon	28-1	1312449	1301088	1264535	1292691	1.94	cps
Silver	107-1	94033	94359	94716	94370	0.36	cps
Silver	109-1	90146	90521	91021	90563	0.49	cps
Sodium	23-2	1589957	1589498	1583028	1587494	0.24	cps
Strontium	86-1	25654	25043	24842	25179	1.68	cps
Strontium	88-1	212680	212246	209919	211615	0.70	cps
Sulfur	34-1	815673	812211	804546	810810	0.70	cps
Terbium	159-1	53344446	53642003	52715798	53234082	0.89	cps
Terbium	159-2	19341652	19401398	19731459	19491503	1.08	cps
Thallium	203-1	72702	72678	73342	72908	0.52	cps
Thallium	205-1	176460	174444	173777	174894	0.80	cps
Tin	118-1	4134	3974	4064	4057	1.98	cps
Titanium	47-1	56156	56946	56534	56545	0.70	cps
Uranium	238-1	240690	241429	237414	239844	0.89	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163799BS	Instrumnet Name :	P8
Client Sample ID :	LCS799	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:12:36	DataFile Name :	025LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	74683	72864	73353	73634	1.28	cps
Ytterbium	172-1	313	340	387	347	10.71	cps
Ytterbium	172-2	137	133	163	144	11.38	cps
Ytterbium	176-1	12883	12846	12826	12852	0.22	cps
Ytterbium	176-2	71512	74046	73543	73034	1.84	cps
Yttrium	89-1	61965547	62048934	61583124	61865869	0.40	cps
Yttrium	89-2	5750586	5841975	5859204	5817255	1.00	cps
Zinc	66-2	15962	15949	15906	15939	0.19	cps
Zirconium	90-1	134894	133035	133419	133783	0.73	cps
Zirconium	91-1	29418	29545	28553	29172	1.85	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163799BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD799	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:15:51	DataFile Name :	026LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5778	5451	5514	5581	3.11	cps
Antimony	121-1	59659	59706	60265	59877	0.56	cps
Arsenic	75-2	693	773	687	718	6.72	cps
Barium	135-1	83640	82999	83992	83544	0.60	cps
Barium	137-1	145257	146541	145419	145739	0.48	cps
Beryllium	9-1	10826	10797	10656	10759	0.84	cps
Bismuth	209-1	32619701	31258908	32361284	32079964	2.25	cps
Bismuth	209-2	14094687	13789002	13908868	13930852	1.11	cps
Bromine	81-1	21894	22471	22502	22289	1.54	cps
Cadmium	108-1	877	783	943	868	9.26	cps
Cadmium	106-1	35509	35646	35803	35653	0.41	cps
Cadmium	111-1	33502	33487	33535	33508	0.07	cps
Calcium	43-1	59017	58254	58729	58667	0.66	cps
Calcium	44-1	953466	966989	952280	957578	0.85	cps
Carbon	12-1	4688518	4631082	4564734	4628112	1.34	cps
Carbon	12-2	44674	44390	44337	44467	0.41	cps
Chlorine	35-1	353423	346931	345265	348539	1.24	cps
Chlorine	35-2	1793	1753	1727	1758	1.91	cps
Chromium	52-2	21900	21994	21510	21801	1.18	cps
Cobalt	59-2	17521	17541	17698	17587	0.55	cps
Copper	63-2	38185	37697	37924	37935	0.64	cps
Dysprosium	156-1	230	203	220	218	6.18	cps
Dysprosium	156-2	50	33	20	34	43.64	cps
Erbium	164-1	407	437	397	413	5.04	cps
Erbium	164-2	130	147	123	133	9.01	cps
Gadolinium	160-1	593	590	610	598	1.79	cps
Gadolinium	160-2	863	837	953	884	6.91	cps
Holmium	165-1	52296198	52412198	52206924	52305106	0.20	cps
Holmium	165-2	19596308	19351596	19366669	19438191	0.71	cps
Indium	115-1	41055039	41060320	41306664	41140674	0.35	cps
Indium	115-2	5468328	5410520	5410119	5429656	0.62	cps
Iron	54-2	86671	86194	87717	86861	0.90	cps
Iron	56-2	1611799	1591689	1593539	1599009	0.70	cps
Iron	57-2	39234	39174	38990	39132	0.33	cps
Krypton	83-1	287	287	293	289	1.33	cps
Lead	206-1	31625	31324	31074	31341	0.88	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163799BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD799	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:15:51	DataFile Name :	026LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	27452	27519	26945	27305	1.15	cps
Lead	208-1	126157	125460	124408	125342	0.70	cps
Lithium	6-1	20740988	20594513	20489104	20608202	0.61	cps
Magnesium	24-2	394680	392198	391866	392915	0.39	cps
Manganese	55-2	5328	5478	5364	5390	1.45	cps
Molybdenum	94-1	73834	73821	73623	73760	0.16	cps
Molybdenum	95-1	87490	88144	88945	88193	0.83	cps
Molybdenum	96-1	98758	97207	97388	97784	0.87	cps
Molybdenum	97-1	55534	54332	54577	54814	1.16	cps
Molybdenum	98-1	142574	141654	140011	141413	0.92	cps
Neodymium	150-1	53	40	67	53	25.00	cps
Neodymium	150-2	7	10	13	10	33.30	cps
Nickel	60-2	5368	5404	5164	5312	2.43	cps
Phosphorus	31-2	407	387	393	396	2.57	cps
Potassium	39-2	285766	280449	282791	283002	0.94	cps
Rhodium	103-1	38889414	39372865	38267189	38843156	1.43	cps
Rhodium	103-2	16035755	15686539	15639474	15787256	1.37	cps
Scandium	45-1	28484990	28542025	28070740	28365919	0.91	cps
Scandium	45-2	795671	785361	790633	790555	0.65	cps
Selenium	82-1	2657	2804	2647	2703	3.25	cps
Selenium	77-2	70	37	67	58	31.77	cps
Selenium	78-2	263	273	263	267	2.17	cps
Silicon	28-1	1034941	1049329	1016652	1033641	1.58	cps
Silver	107-1	47067	46912	47506	47162	0.65	cps
Silver	109-1	44064	44896	44495	44485	0.94	cps
Sodium	23-2	777920	765338	768938	770732	0.84	cps
Strontium	86-1	12616	12462	12676	12585	0.88	cps
Strontium	88-1	104655	103637	101804	103366	1.40	cps
Sulfur	34-1	804163	806101	803788	804684	0.15	cps
Terbium	159-1	53170466	53294806	52434288	52966520	0.88	cps
Terbium	159-2	19795968	19384919	19040186	19407024	1.95	cps
Thallium	203-1	36495	35729	36434	36219	1.18	cps
Thallium	205-1	86899	86667	85315	86293	0.99	cps
Tin	118-1	3831	3794	3664	3763	2.33	cps
Titanium	47-1	28255	27650	28031	27978	1.09	cps
Uranium	238-1	117478	117453	117821	117584	0.17	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163799BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD799	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:15:51	DataFile Name :	026LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	36159	36169	36303	36210	0.22	cps
Ytterbium	172-1	320	367	407	364	11.90	cps
Ytterbium	172-2	143	127	127	132	7.28	cps
Ytterbium	176-1	12333	12536	12643	12504	1.26	cps
Ytterbium	176-2	72240	72199	73825	72755	1.27	cps
Yttrium	89-1	62016466	61619062	60781177	61472235	1.03	cps
Yttrium	89-2	5779634	5748639	5706923	5745065	0.64	cps
Zinc	66-2	9073	9210	8746	9010	2.64	cps
Zirconium	90-1	65962	66752	66986	66567	0.81	cps
Zirconium	91-1	14634	14634	14494	14588	0.55	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163797BL	Instrumnet Name :	P8
Client Sample ID :	PBS797	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:19:09	DataFile Name :	027CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	310	287	330	309	7.02	cps
Antimony	121-1	260	297	473	343	33.22	cps
Arsenic	75-2	10	3	3	6	69.34	cps
Barium	135-1	373	407	377	386	4.76	cps
Barium	137-1	497	513	597	536	10.00	cps
Beryllium	9-1	448	500	479	476	5.53	cps
Bismuth	209-1	31695906	32095282	31824119	31871769	0.64	cps
Bismuth	209-2	14134050	14122756	14128689	14128498	0.04	cps
Bromine	81-1	21917	22281	21897	22032	0.98	cps
Cadmium	108-1	80	117	83	93	21.73	cps
Cadmium	106-1	34774	33965	33918	34219	1.41	cps
Cadmium	111-1	24316	23741	23708	23921	1.43	cps
Calcium	43-1	717	603	550	623	13.65	cps
Calcium	44-1	15859	14978	14921	15253	3.45	cps
Carbon	12-1	4512683	4438142	4360479	4437101	1.72	cps
Carbon	12-2	42685	43043	42575	42768	0.57	cps
Chlorine	35-1	323028	319590	317993	320204	0.80	cps
Chlorine	35-2	1647	1633	1533	1605	3.86	cps
Chromium	52-2	1247	1427	1360	1345	6.77	cps
Cobalt	59-2	207	220	203	210	4.20	cps
Copper	63-2	9637	9263	9523	9474	2.02	cps
Dysprosium	156-1	207	257	253	239	11.70	cps
Dysprosium	156-2	30	43	20	31	37.62	cps
Erbium	164-1	393	453	357	401	12.17	cps
Erbium	164-2	130	167	150	149	12.33	cps
Gadolinium	160-1	527	630	557	571	9.31	cps
Gadolinium	160-2	843	733	850	809	8.10	cps
Holmium	165-1	50751463	51244904	51299744	51098704	0.59	cps
Holmium	165-2	19748329	19595643	19683845	19675939	0.39	cps
Indium	115-1	40410493	41004080	40265096	40559889	0.97	cps
Indium	115-2	5455415	5451566	5409974	5438985	0.46	cps
Iron	54-2	1310	1283	1243	1279	2.62	cps
Iron	56-2	12065	11545	11611	11740	2.41	cps
Iron	57-2	423	373	383	393	6.73	cps
Krypton	83-1	267	230	220	239	10.29	cps
Lead	206-1	1620	1543	1540	1568	2.89	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163797BL	Instrumnet Name :	P8
Client Sample ID :	PBS797	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:19:09	DataFile Name :	027CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1450	1360	1270	1360	6.62	cps
Lead	208-1	6634	6324	6424	6461	2.45	cps
Lithium	6-1	21248659	21542653	20005356	20932223	3.90	cps
Magnesium	24-2	1053	1077	1130	1087	3.62	cps
Manganese	55-2	357	340	317	338	5.95	cps
Molybdenum	94-1	1070	1227	1303	1200	9.91	cps
Molybdenum	95-1	223	193	303	240	23.69	cps
Molybdenum	96-1	427	457	453	446	3.69	cps
Molybdenum	97-1	160	167	143	157	7.67	cps
Molybdenum	98-1	300	407	357	354	15.06	cps
Neodymium	150-1	37	53	47	46	18.41	cps
Neodymium	150-2	10	13	0	8	89.21	cps
Nickel	60-2	463	413	447	441	5.77	cps
Phosphorus	31-2	333	340	293	322	7.83	cps
Potassium	39-2	23977	23606	23987	23856	0.91	cps
Rhodium	103-1	39183779	38723200	38268983	38725321	1.18	cps
Rhodium	103-2	15968597	15822081	15697793	15829490	0.86	cps
Scandium	45-1	28428316	28117660	27461594	28002523	1.76	cps
Scandium	45-2	792063	794726	790402	792397	0.28	cps
Selenium	82-1	7	37	37	27	64.94	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	20	10	13	14	35.26	cps
Silicon	28-1	802468	798314	800010	800264	0.26	cps
Silver	107-1	735	677	701	704	4.08	cps
Silver	109-1	313	330	340	328	4.11	cps
Sodium	23-2	42936	42773	42729	42813	0.26	cps
Strontium	86-1	547	437	447	477	12.76	cps
Strontium	88-1	1433	887	763	1028	34.70	cps
Sulfur	34-1	787800	789664	795988	791151	0.54	cps
Terbium	159-1	52090931	52107393	51718326	51972216	0.42	cps
Terbium	159-2	19275209	19646257	19234807	19385424	1.17	cps
Thallium	203-1	810	760	760	777	3.72	cps
Thallium	205-1	1820	1750	1823	1798	2.30	cps
Tin	118-1	3574	3180	3390	3382	5.83	cps
Titanium	47-1	397	423	360	393	8.08	cps
Uranium	238-1	110	93	73	92	19.91	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163797BL	Instrumnet Name :	P8
Client Sample ID :	PBS797	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:19:09	DataFile Name :	027CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	23	10	23	19	40.75	cps
Ytterbium	172-1	360	367	327	351	6.10	cps
Ytterbium	172-2	167	137	140	148	11.13	cps
Ytterbium	176-1	12690	11915	11982	12196	3.52	cps
Ytterbium	176-2	71891	72615	73580	72695	1.17	cps
Yttrium	89-1	60737991	61330167	60042032	60703397	1.06	cps
Yttrium	89-2	5835083	5808083	5748006	5797057	0.77	cps
Zinc	66-2	2504	2444	2530	2492	1.78	cps
Zirconium	90-1	3327	3407	3597	3444	4.03	cps
Zirconium	91-1	530	560	670	587	12.56	cps

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163797BS	Instrumnet Name :	P8
Client Sample ID :	LCS797	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:22:27	DataFile Name :	028LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12452	12526	12375	12451	0.60	cps
Antimony	121-1	124155	124245	123465	123955	0.34	cps
Arsenic	75-2	1563	1453	1487	1501	3.76	cps
Barium	135-1	173690	173199	174578	173822	0.40	cps
Barium	137-1	300386	301620	304482	302163	0.70	cps
Beryllium	9-1	21816	21740	21687	21748	0.30	cps
Bismuth	209-1	32175353	32593764	31862699	32210605	1.14	cps
Bismuth	209-2	14140733	14123801	13987674	14084069	0.60	cps
Bromine	81-1	21717	21834	21977	21843	0.60	cps
Cadmium	108-1	1593	1653	1710	1652	3.53	cps
Cadmium	106-1	37695	37167	37127	37329	0.85	cps
Cadmium	111-1	44121	43105	43104	43443	1.35	cps
Calcium	43-1	118429	120428	120984	119947	1.12	cps
Calcium	44-1	2067542	2058205	2063748	2063165	0.23	cps
Carbon	12-1	4650830	4641886	4599457	4630724	0.59	cps
Carbon	12-2	45015	45590	44992	45199	0.75	cps
Chlorine	35-1	310511	309112	309797	309807	0.23	cps
Chlorine	35-2	1520	1560	1573	1551	1.79	cps
Chromium	52-2	43881	43961	43269	43703	0.87	cps
Cobalt	59-2	36537	36600	36303	36480	0.43	cps
Copper	63-2	67570	66732	66622	66975	0.77	cps
Dysprosium	156-1	270	233	263	256	7.64	cps
Dysprosium	156-2	47	20	50	39	42.28	cps
Erbium	164-1	437	340	353	377	13.91	cps
Erbium	164-2	133	183	140	152	17.84	cps
Gadolinium	160-1	597	577	687	620	9.45	cps
Gadolinium	160-2	860	887	900	882	2.31	cps
Holmium	165-1	51772814	52640854	52091349	52168339	0.84	cps
Holmium	165-2	20047754	19848852	19477314	19791307	1.46	cps
Indium	115-1	41691288	41400724	41204414	41432142	0.59	cps
Indium	115-2	5569424	5520993	5454039	5514819	1.05	cps
Iron	54-2	181396	178376	179378	179717	0.86	cps
Iron	56-2	3338711	3307324	3385966	3344000	1.18	cps
Iron	57-2	81645	82912	82517	82358	0.79	cps
Krypton	83-1	270	267	173	237	23.19	cps
Lead	206-1	62761	63099	63793	63217	0.83	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163797BS	Instrumnet Name :	P8
Client Sample ID :	LCS797	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:22:27	DataFile Name :	028LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	55461	54380	55184	55008	1.02	cps
Lead	208-1	252914	252821	252385	252707	0.11	cps
Lithium	6-1	20661162	20734519	21193090	20862924	1.38	cps
Magnesium	24-2	822935	817108	817943	819329	0.38	cps
Manganese	55-2	10851	10727	10454	10677	1.90	cps
Molybdenum	94-1	152832	151802	152550	152395	0.35	cps
Molybdenum	95-1	181598	183290	180988	181959	0.66	cps
Molybdenum	96-1	205573	204087	204358	204672	0.39	cps
Molybdenum	97-1	113422	113029	114275	113575	0.56	cps
Molybdenum	98-1	292285	296085	289912	292761	1.06	cps
Neodymium	150-1	77	47	97	73	34.32	cps
Neodymium	150-2	17	13	17	16	12.40	cps
Nickel	60-2	10941	10637	10617	10732	1.69	cps
Phosphorus	31-2	323	317	427	356	17.35	cps
Potassium	39-2	567854	565299	562825	565326	0.44	cps
Rhodium	103-1	39193968	38188828	38871494	38751430	1.32	cps
Rhodium	103-2	15947278	15723890	15838166	15836445	0.71	cps
Scandium	45-1	28150642	28359156	28676860	28395553	0.93	cps
Scandium	45-2	804688	808919	795238	802948	0.87	cps
Selenium	82-1	5525	5655	6005	5728	4.34	cps
Selenium	77-2	177	193	147	172	13.73	cps
Selenium	78-2	483	507	497	496	2.36	cps
Silicon	28-1	1280667	1294710	1301139	1292172	0.81	cps
Silver	107-1	96116	95460	96998	96192	0.80	cps
Silver	109-1	91656	90844	91834	91444	0.58	cps
Sodium	23-2	1648666	1625178	1631297	1635047	0.75	cps
Strontium	86-1	25270	24809	24765	24948	1.12	cps
Strontium	88-1	214330	213133	210286	212583	0.98	cps
Sulfur	34-1	810675	812430	808142	810416	0.27	cps
Terbium	159-1	53009576	53318409	53784328	53370771	0.73	cps
Terbium	159-2	19704105	19883653	19490268	19692675	1.00	cps
Thallium	203-1	74318	74744	75183	74748	0.58	cps
Thallium	205-1	176549	180200	179525	178758	1.09	cps
Tin	118-1	4081	4291	4217	4196	2.54	cps
Titanium	47-1	58482	57598	57615	57898	0.87	cps
Uranium	238-1	244733	242691	245093	244172	0.53	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163797BS	Instrumnet Name :	P8
Client Sample ID :	LCS797	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:22:27	DataFile Name :	028LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	74915	74764	74878	74852	0.11	cps
Ytterbium	172-1	377	317	297	330	12.62	cps
Ytterbium	172-2	157	107	170	144	23.11	cps
Ytterbium	176-1	13030	12800	13023	12951	1.01	cps
Ytterbium	176-2	72461	74643	73359	73487	1.49	cps
Yttrium	89-1	62004694	61499059	61116536	61540096	0.72	cps
Yttrium	89-2	5781765	5803771	5791520	5792352	0.19	cps
Zinc	66-2	16450	16436	15615	16167	2.96	cps
Zirconium	90-1	132788	133488	134013	133430	0.46	cps
Zirconium	91-1	29104	29194	29414	29237	0.55	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163797BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD797	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:25:45	DataFile Name :	029LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6025	5895	5765	5895	2.21	cps
Antimony	121-1	62231	62509	62679	62473	0.36	cps
Arsenic	75-2	723	793	737	751	4.95	cps
Barium	135-1	86427	86511	87051	86663	0.39	cps
Barium	137-1	150457	150818	150129	150468	0.23	cps
Beryllium	9-1	11137	11039	11307	11161	1.22	cps
Bismuth	209-1	32113748	32150103	32039655	32101168	0.18	cps
Bismuth	209-2	14322826	14277273	14603734	14401278	1.23	cps
Bromine	81-1	21687	21346	21744	21592	1.00	cps
Cadmium	108-1	970	767	847	861	11.90	cps
Cadmium	106-1	37013	35913	36318	36415	1.53	cps
Cadmium	111-1	34633	34323	33976	34311	0.96	cps
Calcium	43-1	59774	61122	59777	60224	1.29	cps
Calcium	44-1	986672	998064	992925	992554	0.57	cps
Carbon	12-1	4726115	4632024	4521868	4626669	2.21	cps
Carbon	12-2	44828	45206	45310	45114	0.56	cps
Chlorine	35-1	297252	296263	293097	295538	0.73	cps
Chlorine	35-2	1513	1413	1430	1452	3.69	cps
Chromium	52-2	22107	22982	22578	22556	1.94	cps
Cobalt	59-2	17684	17878	18579	18047	2.61	cps
Copper	63-2	38027	37954	38659	38214	1.01	cps
Dysprosium	156-1	260	253	223	246	7.95	cps
Dysprosium	156-2	33	23	40	32	26.04	cps
Erbium	164-1	350	323	320	331	4.97	cps
Erbium	164-2	143	130	153	142	8.23	cps
Gadolinium	160-1	613	590	683	629	7.72	cps
Gadolinium	160-2	770	917	917	868	9.76	cps
Holmium	165-1	51939563	51909669	52619624	52156285	0.77	cps
Holmium	165-2	19557683	19965371	19954916	19825990	1.17	cps
Indium	115-1	41456320	41878450	41259271	41531347	0.76	cps
Indium	115-2	5529495	5609738	5652387	5597206	1.11	cps
Iron	54-2	90236	89478	90484	90066	0.58	cps
Iron	56-2	1688854	1685277	1690091	1688074	0.15	cps
Iron	57-2	40721	40925	40698	40781	0.31	cps
Krypton	83-1	260	197	263	240	15.65	cps
Lead	206-1	32257	32591	31923	32257	1.04	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163797BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD797	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:25:45	DataFile Name :	029LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	28381	27903	28174	28153	0.85	cps
Lead	208-1	129473	129970	129404	129615	0.24	cps
Lithium	6-1	21419956	21285218	20641818	21115664	1.97	cps
Magnesium	24-2	409150	414025	413335	412170	0.64	cps
Manganese	55-2	5388	5491	5164	5348	3.12	cps
Molybdenum	94-1	76851	77565	76482	76966	0.72	cps
Molybdenum	95-1	91183	92009	90901	91364	0.63	cps
Molybdenum	96-1	101463	101974	101977	101805	0.29	cps
Molybdenum	97-1	56571	56752	57003	56775	0.38	cps
Molybdenum	98-1	145119	147184	147882	146728	0.98	cps
Neodymium	150-1	47	63	60	57	15.56	cps
Neodymium	150-2	23	17	0	13	90.13	cps
Nickel	60-2	5791	5508	5585	5628	2.61	cps
Phosphorus	31-2	320	347	370	346	7.24	cps
Potassium	39-2	293194	293666	295896	294252	0.49	cps
Rhodium	103-1	38984458	38604991	38891081	38826843	0.51	cps
Rhodium	103-2	15852413	16250147	16314049	16138870	1.55	cps
Scandium	45-1	28666053	28630559	28984385	28760332	0.68	cps
Scandium	45-2	805096	808433	815545	809691	0.66	cps
Selenium	82-1	2954	2894	2757	2868	3.51	cps
Selenium	77-2	67	120	57	81	41.97	cps
Selenium	78-2	350	260	223	278	23.46	cps
Silicon	28-1	1049427	1049190	1038861	1045826	0.58	cps
Silver	107-1	47517	49043	49125	48562	1.87	cps
Silver	109-1	46073	45522	45492	45695	0.72	cps
Sodium	23-2	794285	795864	803577	797909	0.62	cps
Strontium	86-1	12642	12789	13070	12834	1.69	cps
Strontium	88-1	106986	108370	106509	107288	0.90	cps
Sulfur	34-1	803276	806478	805217	804990	0.20	cps
Terbium	159-1	54265106	53157848	52688741	53370565	1.52	cps
Terbium	159-2	19771041	20055024	20213057	20013041	1.12	cps
Thallium	203-1	38270	37457	37260	37662	1.42	cps
Thallium	205-1	91275	90677	90399	90784	0.49	cps
Tin	118-1	3777	3707	3667	3717	1.50	cps
Titanium	47-1	28956	28936	27974	28622	1.96	cps
Uranium	238-1	120764	122868	121942	121858	0.87	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	PB163797BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD797	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:25:45	DataFile Name :	029LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	37532	38281	38024	37946	1.00	cps
Ytterbium	172-1	330	403	350	361	10.50	cps
Ytterbium	172-2	197	123	123	148	28.65	cps
Ytterbium	176-1	13277	12363	12363	12667	4.17	cps
Ytterbium	176-2	72779	73520	75484	73928	1.89	cps
Yttrium	89-1	61650341	61988756	61498002	61712366	0.41	cps
Yttrium	89-2	5830522	5814358	5890083	5844988	0.68	cps
Zinc	66-2	9070	9430	9387	9295	2.12	cps
Zirconium	90-1	68584	68250	69187	68674	0.69	cps
Zirconium	91-1	14938	14861	14811	14870	0.43	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-04	Instrumnet Name :	P8
Client Sample ID :	MYD5L1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:34:18	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13539662	13093856	13051218	13228245	2.05	cps
Antimony	121-1	105862	107999	107515	107125	1.05	cps
Arsenic	75-2	127558	127094	125513	126722	0.85	cps
Barium	135-1	5318208	5297520	5326078	5313935	0.28	cps
Barium	137-1	9024445	9172745	9121412	9106201	0.83	cps
Beryllium	9-1	18329	18594	18713	18545	1.06	cps
Bismuth	209-1	29207485	30093170	29476126	29592260	1.53	cps
Bismuth	209-2	12870176	12968457	12613317	12817317	1.43	cps
Bromine	81-1	25901	25253	27270	26141	3.94	cps
Cadmium	108-1	2594	2710	2744	2683	2.94	cps
Cadmium	106-1	39062	39059	39657	39259	0.88	cps
Cadmium	111-1	37640	38096	38142	37959	0.73	cps
Calcium	43-1	689908	697694	703857	697153	1.00	cps
Calcium	44-1	11654506	11576172	11853161	11694613	1.22	cps
Carbon	12-1	9195015	9441204	9642478	9426232	2.38	cps
Carbon	12-2	94927	93451	92676	93685	1.22	cps
Chlorine	35-1	221654570	228088403	236048590	228597188	3.15	cps
Chlorine	35-2	1354666	1365676	1338028	1352790	1.03	cps
Chromium	52-2	1444100	1425893	1414378	1428124	1.05	cps
Cobalt	59-2	1484890	1507675	1398307	1463624	3.94	cps
Copper	63-2	3334789	3390756	3323373	3349640	1.08	cps
Dysprosium	156-1	333348	334734	332952	333678	0.28	cps
Dysprosium	156-2	115830	116549	114079	115486	1.10	cps
Erbium	164-1	222423	226171	226189	224928	0.96	cps
Erbium	164-2	82410	80921	81202	81511	0.97	cps
Gadolinium	160-1	248359	250475	252353	250396	0.80	cps
Gadolinium	160-2	108598	106434	106709	107247	1.10	cps
Holmium	165-1	51033258	51016744	50829024	50959675	0.22	cps
Holmium	165-2	19230829	19134259	18865368	19076819	0.99	cps
Indium	115-1	38470474	39202766	38639947	38771062	0.99	cps
Indium	115-2	5144094	5115979	5092115	5117396	0.51	cps
Iron	54-2	99576752	99391825	97066025	98678201	1.42	cps
Iron	56-2	1800852133	1794997893	1756493520	1784114516	1.35	cps
Iron	57-2	45235964	45654289	44514039	45134764	1.28	cps
Krypton	83-1	650	570	683	634	9.18	cps
Lead	206-1	2572069	2541772	2550289	2554710	0.61	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-04	Instrumnet Name :	P8
Client Sample ID :	MYD5L1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:34:18	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2234616	2229316	2229650	2231194	0.13	cps
Lead	208-1	10148562	10185654	10082727	10138981	0.51	cps
Lithium	6-1	21032050	21180174	21469233	21227153	1.05	cps
Magnesium	24-2	20989061	20668768	20454013	20703947	1.30	cps
Manganese	55-2	38803569	38841373	37901679	38515541	1.38	cps
Molybdenum	94-1	309930	318519	316925	315125	1.45	cps
Molybdenum	95-1	38029	37998	38590	38206	0.87	cps
Molybdenum	96-1	98496	101596	101189	100427	1.68	cps
Molybdenum	97-1	23423	23096	23543	23354	0.99	cps
Molybdenum	98-1	58583	59262	59644	59163	0.91	cps
Neodymium	150-1	441375	448664	447303	445781	0.87	cps
Neodymium	150-2	125615	124270	123563	124482	0.84	cps
Nickel	60-2	512346	512068	500482	508298	1.33	cps
Phosphorus	31-2	23486	23816	23816	23706	0.81	cps
Potassium	39-2	5215057	5205000	5172061	5197372	0.43	cps
Rhodium	103-1	35893484	35895279	35797072	35861945	0.16	cps
Rhodium	103-2	14956532	14560041	14414505	14643693	1.92	cps
Scandium	45-1	29690572	29509439	29748128	29649380	0.42	cps
Scandium	45-2	853544	848871	825614	842676	1.78	cps
Selenium	82-1	543	690	763	666	16.83	cps
Selenium	77-2	513	567	493	524	7.23	cps
Selenium	78-2	523	470	390	461	14.55	cps
Silicon	28-1	73204707	75913844	77259702	75459418	2.74	cps
Silver	107-1	19565	19234	19852	19550	1.58	cps
Silver	109-1	12910	13030	12906	12948	0.54	cps
Sodium	23-2	283282	281841	278631	281251	0.85	cps
Strontium	86-1	692017	695710	705707	697812	1.01	cps
Strontium	88-1	6038438	6195102	6300718	6178086	2.14	cps
Sulfur	34-1	830519	821263	822414	824732	0.61	cps
Terbium	159-1	51447844	51626666	51330498	51468336	0.29	cps
Terbium	159-2	19142560	18880109	18704540	18909070	1.17	cps
Thallium	203-1	16958	16931	16954	16948	0.09	cps
Thallium	205-1	40677	40811	40750	40746	0.16	cps
Tin	118-1	91422	93248	91681	92117	1.07	cps
Titanium	47-1	6308191	6203827	6363766	6291928	1.29	cps
Uranium	238-1	139091	140817	140993	140300	0.75	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-04	Instrumnet Name :	P8
Client Sample ID :	MYD5L1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:34:18	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2569787	2518152	2464069	2517336	2.10	cps
Ytterbium	172-1	68838	69501	70691	69677	1.35	cps
Ytterbium	172-2	30863	31354	31240	31152	0.83	cps
Ytterbium	176-1	56446	56818	57029	56765	0.52	cps
Ytterbium	176-2	89138	89755	91014	89969	1.06	cps
Yttrium	89-1	62238862	62035709	62655534	62310035	0.51	cps
Yttrium	89-2	5844672	5879246	5717260	5813726	1.47	cps
Zinc	66-2	434326	429825	428002	430718	0.76	cps
Zirconium	90-1	806754	823170	821321	817082	1.10	cps
Zirconium	91-1	179859	183399	183644	182301	1.16	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-05	Instrumnet Name :	P8
Client Sample ID :	MYD5L2	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:37:19	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15120858	14944588	15110622	15058689	0.66	cps
Antimony	121-1	58163	59522	60754	59480	2.18	cps
Arsenic	75-2	141125	140052	140166	140448	0.42	cps
Barium	135-1	4364928	4340314	4426291	4377178	1.01	cps
Barium	137-1	7281839	7309424	7377811	7323025	0.67	cps
Beryllium	9-1	16391	16262	16651	16435	1.21	cps
Bismuth	209-1	29989250	29519925	29435786	29648321	1.01	cps
Bismuth	209-2	12905262	12805148	12765627	12825346	0.56	cps
Bromine	81-1	32388	32972	34045	33135	2.54	cps
Cadmium	108-1	1673	1607	1557	1612	3.63	cps
Cadmium	106-1	38146	38186	38654	38329	0.74	cps
Cadmium	111-1	32219	32431	32857	32502	1.00	cps
Calcium	43-1	1061446	1080453	1087747	1076549	1.26	cps
Calcium	44-1	17817315	18071978	18093825	17994373	0.85	cps
Carbon	12-1	12256436	12661544	12939680	12619220	2.72	cps
Carbon	12-2	126233	125823	124928	125661	0.53	cps
Chlorine	35-1	218123983	225666850	228971077	224253970	2.48	cps
Chlorine	35-2	1315475	1297808	1303730	1305671	0.69	cps
Chromium	52-2	1820781	1789214	1782076	1797357	1.15	cps
Cobalt	59-2	1457576	1495022	1461514	1471371	1.40	cps
Copper	63-2	2645222	2693822	2673944	2670996	0.91	cps
Dysprosium	156-1	335972	338120	337869	337320	0.35	cps
Dysprosium	156-2	117141	118631	117105	117626	0.74	cps
Erbium	164-1	244753	245856	250752	247120	1.29	cps
Erbium	164-2	89284	90173	91233	90230	1.08	cps
Gadolinium	160-1	270261	269645	271400	270435	0.33	cps
Gadolinium	160-2	116609	115710	114587	115635	0.88	cps
Holmium	165-1	50987028	51699114	51218181	51301441	0.71	cps
Holmium	165-2	19092126	19073155	19287223	19150834	0.62	cps
Indium	115-1	38456819	38581402	40014810	39017677	2.22	cps
Indium	115-2	5098848	5135957	5127222	5120676	0.38	cps
Iron	54-2	73813106	74127667	72977937	73639570	0.81	cps
Iron	56-2	1336057180	1342747447	1324692620	1334499082	0.68	cps
Iron	57-2	33872185	33490940	33631880	33665002	0.57	cps
Krypton	83-1	773	690	650	704	8.93	cps
Lead	206-1	1736310	1818627	1855769	1803568	3.39	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-05	Instrumnet Name :	P8
Client Sample ID :	MYD5L2	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:37:19	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1558647	1565654	1564157	1562819	0.24	cps
Lead	208-1	7167105	7163373	7239321	7189933	0.60	cps
Lithium	6-1	20791642	21114015	21514650	21140103	1.71	cps
Magnesium	24-2	26673713	26200932	26293775	26389473	0.95	cps
Manganese	55-2	38640414	38769539	38148633	38519529	0.85	cps
Molybdenum	94-1	180350	181272	184294	181972	1.13	cps
Molybdenum	95-1	41933	41495	42431	41953	1.12	cps
Molybdenum	96-1	77940	78698	80619	79086	1.75	cps
Molybdenum	97-1	25624	25260	25944	25609	1.34	cps
Molybdenum	98-1	64194	65463	65761	65140	1.28	cps
Neodymium	150-1	430948	431120	436539	432869	0.73	cps
Neodymium	150-2	123223	120997	121460	121894	0.96	cps
Nickel	60-2	560898	559796	558643	559779	0.20	cps
Phosphorus	31-2	24621	24584	24851	24686	0.59	cps
Potassium	39-2	6133262	6065007	6079113	6092461	0.59	cps
Rhodium	103-1	35769834	35203992	36164098	35712641	1.35	cps
Rhodium	103-2	14340065	14577596	14724165	14547275	1.33	cps
Scandium	45-1	30201057	30175332	30291440	30222610	0.20	cps
Scandium	45-2	846597	850441	853687	850242	0.42	cps
Selenium	82-1	507	617	717	613	17.13	cps
Selenium	77-2	577	613	607	599	3.26	cps
Selenium	78-2	527	497	480	501	4.72	cps
Silicon	28-1	67109252	68402337	68838004	68116531	1.32	cps
Silver	107-1	16288	16343	16644	16425	1.17	cps
Silver	109-1	8723	8336	8900	8653	3.33	cps
Sodium	23-2	295389	296352	295035	295592	0.23	cps
Strontium	86-1	905891	909144	915670	910235	0.55	cps
Strontium	88-1	7992711	8140463	8216893	8116689	1.40	cps
Sulfur	34-1	805422	809104	810122	808216	0.31	cps
Terbium	159-1	52267429	51655588	51989064	51970694	0.59	cps
Terbium	159-2	19049054	18733901	19116811	18966589	1.08	cps
Thallium	203-1	12693	12800	12830	12774	0.56	cps
Thallium	205-1	30546	31167	31044	30919	1.06	cps
Tin	118-1	83929	83751	86518	84732	1.83	cps
Titanium	47-1	4939541	4964809	5039118	4981156	1.04	cps
Uranium	238-1	127310	129865	129246	128807	1.03	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-05	Instrumnet Name :	P8
Client Sample ID :	MYD5L2	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:37:19	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2606333	2588186	2619330	2604616	0.60	cps
Ytterbium	172-1	77207	79031	78749	78329	1.25	cps
Ytterbium	172-2	34495	33990	33362	33949	1.67	cps
Ytterbium	176-1	61409	61144	60571	61041	0.70	cps
Ytterbium	176-2	91189	92192	92357	91913	0.69	cps
Yttrium	89-1	62623842	62382994	63784322	62930386	1.19	cps
Yttrium	89-2	5887553	5888168	5909226	5894982	0.21	cps
Zinc	66-2	356338	357313	353891	355847	0.50	cps
Zirconium	90-1	430173	435173	443033	436126	1.49	cps
Zirconium	91-1	97662	98139	99790	98531	1.13	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-06	Instrumnet Name :	P8
Client Sample ID :	MYD5L3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:40:22	DataFile Name :	032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14219736	14236657	14034684	14163692	0.79	cps
Antimony	121-1	54528	54816	55515	54953	0.92	cps
Arsenic	75-2	140324	139608	137662	139198	0.99	cps
Barium	135-1	3278827	3251722	3283327	3271292	0.52	cps
Barium	137-1	5586464	5565628	5595470	5582521	0.27	cps
Beryllium	9-1	15725	15692	15687	15701	0.13	cps
Bismuth	209-1	30010163	29894790	30272470	30059141	0.64	cps
Bismuth	209-2	12781317	12779346	12752144	12770936	0.13	cps
Bromine	81-1	33427	35021	35455	34634	3.08	cps
Cadmium	108-1	1467	1597	1447	1503	5.42	cps
Cadmium	106-1	38233	38193	38631	38352	0.63	cps
Cadmium	111-1	32235	31762	32440	32146	1.08	cps
Calcium	43-1	1006001	1013174	1010689	1009955	0.36	cps
Calcium	44-1	17042776	16857238	17198542	17032852	1.00	cps
Carbon	12-1	12960501	13365718	13369821	13232013	1.78	cps
Carbon	12-2	130314	130140	129628	130027	0.27	cps
Chlorine	35-1	235004763	238161716	244052036	239072839	1.92	cps
Chlorine	35-2	1392310	1367206	1366873	1375463	1.06	cps
Chromium	52-2	1597741	1623143	1580945	1600610	1.33	cps
Cobalt	59-2	1365197	1369911	1370040	1368383	0.20	cps
Copper	63-2	2586232	2595702	2594955	2592296	0.20	cps
Dysprosium	156-1	326170	324309	329116	326532	0.74	cps
Dysprosium	156-2	114630	114838	113148	114205	0.81	cps
Erbium	164-1	237165	238095	238004	237755	0.22	cps
Erbium	164-2	85697	85794	86210	85901	0.32	cps
Gadolinium	160-1	259971	259310	258210	259164	0.34	cps
Gadolinium	160-2	111166	110504	109246	110305	0.88	cps
Holmium	165-1	51886708	51310338	51926598	51707881	0.67	cps
Holmium	165-2	18639368	18900095	19110966	18883476	1.25	cps
Indium	115-1	39130380	38600827	39083645	38938284	0.75	cps
Indium	115-2	5029944	5129592	5034790	5064775	1.11	cps
Iron	54-2	71194639	70832756	70384429	70803941	0.57	cps
Iron	56-2	1292855634	1294746461	1285842168	1291148087	0.36	cps
Iron	57-2	32723906	32622508	33032734	32793049	0.65	cps
Krypton	83-1	747	800	760	769	3.61	cps
Lead	206-1	1279290	1281492	1279423	1280068	0.10	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-06	Instrumnet Name :	P8
Client Sample ID :	MYD5L3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:40:22	DataFile Name :	032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1132632	1137958	1133132	1134574	0.26	cps
Lead	208-1	5294941	5273964	5233548	5267484	0.59	cps
Lithium	6-1	21267857	21144534	21646278	21352890	1.22	cps
Magnesium	24-2	24166807	24417337	24208505	24264217	0.55	cps
Manganese	55-2	30528086	30976298	30367175	30623853	1.03	cps
Molybdenum	94-1	170063	170029	173323	171138	1.11	cps
Molybdenum	95-1	43581	43632	44621	43945	1.33	cps
Molybdenum	96-1	78641	78309	80401	79117	1.42	cps
Molybdenum	97-1	26455	26576	27250	26760	1.60	cps
Molybdenum	98-1	68257	67590	69258	68368	1.23	cps
Neodymium	150-1	424001	426734	428164	426300	0.50	cps
Neodymium	150-2	118751	119117	117405	118424	0.76	cps
Nickel	60-2	517026	517394	511706	515375	0.62	cps
Phosphorus	31-2	22604	22053	21913	22190	1.65	cps
Potassium	39-2	5949967	5935341	5912561	5932623	0.32	cps
Rhodium	103-1	36364809	36851753	36604967	36607176	0.67	cps
Rhodium	103-2	14536150	14505485	14637893	14559843	0.48	cps
Scandium	45-1	30698781	30906717	30346188	30650562	0.92	cps
Scandium	45-2	829495	841856	834051	835134	0.75	cps
Selenium	82-1	423	483	643	517	22.01	cps
Selenium	77-2	600	613	603	606	1.15	cps
Selenium	78-2	410	413	430	418	2.56	cps
Silicon	28-1	76816112	76265866	77171129	76751036	0.59	cps
Silver	107-1	15231	15346	15690	15422	1.55	cps
Silver	109-1	8529	8489	8763	8594	1.72	cps
Sodium	23-2	277374	278280	273316	276323	0.96	cps
Strontium	86-1	837491	845534	850882	844636	0.80	cps
Strontium	88-1	7409895	7307834	7507701	7408477	1.35	cps
Sulfur	34-1	812124	813067	813582	812924	0.09	cps
Terbium	159-1	51948414	50913446	51912386	51591415	1.14	cps
Terbium	159-2	18658900	19064328	18566818	18763349	1.41	cps
Thallium	203-1	12363	12419	12399	12394	0.23	cps
Thallium	205-1	29473	29707	29270	29483	0.74	cps
Tin	118-1	86212	88004	86930	87049	1.04	cps
Titanium	47-1	5016656	5082952	5045498	5048369	0.66	cps
Uranium	238-1	125452	124930	124662	125014	0.32	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-06	Instrumnet Name :	P8
Client Sample ID :	MYD5L3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:40:22	DataFile Name :	032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2518063	2542159	2495896	2518706	0.92	cps
Ytterbium	172-1	74514	75574	74173	74754	0.98	cps
Ytterbium	172-2	32426	32874	32757	32686	0.71	cps
Ytterbium	176-1	60340	60166	59054	59854	1.17	cps
Ytterbium	176-2	89118	90447	89723	89762	0.74	cps
Yttrium	89-1	62963957	63421619	63954567	63446715	0.78	cps
Yttrium	89-2	5734889	5712832	5739400	5729040	0.25	cps
Zinc	66-2	347773	344093	346913	346259	0.56	cps
Zirconium	90-1	405232	404462	409163	406286	0.62	cps
Zirconium	91-1	89287	93273	92346	91635	2.28	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-07	Instrumnet Name :	P8
Client Sample ID :	MYD5L4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:43:24	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14861464	15032582	14518797	14804281	1.77	cps
Antimony	121-1	77045	76405	77401	76950	0.66	cps
Arsenic	75-2	156182	157624	152530	155445	1.69	cps
Barium	135-1	3934593	3958722	3972203	3955173	0.48	cps
Barium	137-1	6670874	6638138	6673343	6660785	0.30	cps
Beryllium	9-1	17318	17134	17314	17255	0.61	cps
Bismuth	209-1	30207329	28706772	29309489	29407863	2.57	cps
Bismuth	209-2	12622916	11721140	13214613	12519556	6.01	cps
Bromine	81-1	29702	30543	30570	30272	1.63	cps
Cadmium	108-1	1800	1737	1820	1786	2.44	cps
Cadmium	106-1	39413	39236	38477	39042	1.27	cps
Cadmium	111-1	34251	34115	33635	34001	0.95	cps
Calcium	43-1	1152329	1151684	1155356	1153123	0.17	cps
Calcium	44-1	19565893	19698387	19480550	19581610	0.56	cps
Carbon	12-1	12126928	12294875	12472147	12297983	1.40	cps
Carbon	12-2	120529	120734	120336	120533	0.17	cps
Chlorine	35-1	206971737	211864430	216136623	211657597	2.17	cps
Chlorine	35-2	1144068	1139056	1115973	1133032	1.32	cps
Chromium	52-2	1660652	1666323	1637310	1654762	0.93	cps
Cobalt	59-2	1720720	1708643	1685051	1704805	1.06	cps
Copper	63-2	3070559	2967226	2921337	2986374	2.56	cps
Dysprosium	156-1	355989	353003	358653	355882	0.79	cps
Dysprosium	156-2	121564	122310	119422	121099	1.24	cps
Erbium	164-1	250038	248552	249295	249295	0.30	cps
Erbium	164-2	88760	89425	86949	88378	1.45	cps
Gadolinium	160-1	276330	279283	280042	278552	0.70	cps
Gadolinium	160-2	118188	115982	113808	115992	1.89	cps
Holmium	165-1	50952666	51157366	51037478	51049170	0.20	cps
Holmium	165-2	18672986	17596405	19804391	18691261	5.91	cps
Indium	115-1	38342188	38741604	38766201	38616665	0.62	cps
Indium	115-2	4981629	4731526	5198145	4970434	4.70	cps
Iron	54-2	94059515	93259845	91989385	93102915	1.12	cps
Iron	56-2	1723636828	1710027975	1650681522	1694782108	2.29	cps
Iron	57-2	43107121	43435741	42319442	42954101	1.34	cps
Krypton	83-1	710	783	873	789	10.37	cps
Lead	206-1	1947984	1938116	1944279	1943460	0.26	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-07	Instrumnet Name :	P8
Client Sample ID :	MYD5L4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:43:24	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1712097	1738432	1743830	1731453	0.98	cps
Lead	208-1	7928728	7818107	8004550	7917129	1.18	cps
Lithium	6-1	20756597	21160381	21213081	21043353	1.19	cps
Magnesium	24-2	25250770	25457090	24795835	25167898	1.34	cps
Manganese	55-2	45930214	45441874	44634941	45335677	1.44	cps
Molybdenum	94-1	212849	215280	214617	214249	0.59	cps
Molybdenum	95-1	49615	49210	49698	49508	0.53	cps
Molybdenum	96-1	92801	94093	94435	93776	0.92	cps
Molybdenum	97-1	30046	30286	30507	30280	0.76	cps
Molybdenum	98-1	77028	78926	77823	77926	1.22	cps
Neodymium	150-1	462547	461934	464268	462917	0.26	cps
Neodymium	150-2	127769	127364	124502	126545	1.41	cps
Nickel	60-2	548138	550151	540284	546191	0.95	cps
Phosphorus	31-2	24972	25209	23710	24630	3.27	cps
Potassium	39-2	6181171	6199643	6142642	6174485	0.47	cps
Rhodium	103-1	36536251	35815807	35677939	36009999	1.28	cps
Rhodium	103-2	14223812	13204431	14920861	14116368	6.12	cps
Scandium	45-1	29728127	29873895	29674316	29758779	0.35	cps
Scandium	45-2	811912	779361	865383	818885	5.30	cps
Selenium	82-1	707	410	473	530	29.48	cps
Selenium	77-2	593	603	660	619	5.81	cps
Selenium	78-2	393	570	530	498	18.61	cps
Silicon	28-1	57333891	55960873	56550299	56615021	1.22	cps
Silver	107-1	19317	19610	19494	19474	0.76	cps
Silver	109-1	10731	11005	10851	10862	1.26	cps
Sodium	23-2	274226	271340	265495	270354	1.65	cps
Strontium	86-1	1048444	1046897	1045937	1047093	0.12	cps
Strontium	88-1	9198276	9176932	9490560	9288589	1.89	cps
Sulfur	34-1	806047	811614	819502	812388	0.83	cps
Terbium	159-1	52034341	51648448	51390113	51690967	0.63	cps
Terbium	159-2	18874781	17531924	19745493	18717399	5.96	cps
Thallium	203-1	13397	13737	13914	13683	1.92	cps
Thallium	205-1	32985	33383	33633	33334	0.98	cps
Tin	118-1	86611	87377	87397	87128	0.51	cps
Titanium	47-1	4835819	4796103	4818871	4816931	0.41	cps
Uranium	238-1	142526	142192	141696	142138	0.29	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-07	Instrumnet Name :	P8
Client Sample ID :	MYD5L4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:43:24	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2646558	2629212	2569134	2614968	1.55	cps
Ytterbium	172-1	77924	77716	77324	77655	0.39	cps
Ytterbium	172-2	33295	33369	33045	33236	0.51	cps
Ytterbium	176-1	60052	61603	59861	60506	1.58	cps
Ytterbium	176-2	88846	85261	93544	89217	4.66	cps
Yttrium	89-1	61933657	62748066	63128697	62603474	0.98	cps
Yttrium	89-2	5670950	5343649	5923942	5646180	5.15	cps
Zinc	66-2	446471	448713	434447	443210	1.73	cps
Zirconium	90-1	515910	520687	520110	518902	0.50	cps
Zirconium	91-1	116905	116831	115807	116514	0.53	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-08	Instrumnet Name :	P8
Client Sample ID :	MYD5L5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:46:27	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10558584	10562981	10733831	10618465	0.94	cps
Antimony	121-1	80177	80435	79412	80008	0.66	cps
Arsenic	75-2	119324	117734	117216	118091	0.93	cps
Barium	135-1	6182857	6385574	6299023	6289152	1.62	cps
Barium	137-1	10651274	10779467	10748844	10726528	0.62	cps
Beryllium	9-1	17323	17393	17713	17476	1.19	cps
Bismuth	209-1	29419584	29529034	29582331	29510316	0.28	cps
Bismuth	209-2	12720251	12390046	12494240	12534846	1.35	cps
Bromine	81-1	31378	31479	32317	31725	1.63	cps
Cadmium	108-1	2030	2087	2044	2054	1.44	cps
Cadmium	106-1	39343	39580	38918	39280	0.85	cps
Cadmium	111-1	38628	38968	38188	38595	1.01	cps
Calcium	43-1	935723	942300	952060	943361	0.87	cps
Calcium	44-1	15880419	15901914	15861675	15881336	0.13	cps
Carbon	12-1	14627550	14982209	15045114	14884958	1.51	cps
Carbon	12-2	144061	143472	143799	143777	0.21	cps
Chlorine	35-1	223191183	233463677	233009210	229888023	2.52	cps
Chlorine	35-2	1303528	1297274	1298584	1299796	0.25	cps
Chromium	52-2	1172962	1163108	1168327	1168132	0.42	cps
Cobalt	59-2	1293394	1285489	1302629	1293837	0.66	cps
Copper	63-2	2954143	2886239	2875952	2905445	1.46	cps
Dysprosium	156-1	338353	347909	340834	342365	1.45	cps
Dysprosium	156-2	115471	116052	115679	115734	0.25	cps
Erbium	164-1	235382	239237	239143	237920	0.92	cps
Erbium	164-2	84949	84553	85499	85001	0.56	cps
Gadolinium	160-1	255806	262683	258142	258877	1.35	cps
Gadolinium	160-2	109999	109354	108696	109350	0.60	cps
Holmium	165-1	50489579	50508844	51051548	50683324	0.63	cps
Holmium	165-2	18811689	18173015	18543999	18509568	1.73	cps
Indium	115-1	37604094	38779106	39091269	38491489	2.04	cps
Indium	115-2	5030375	4930164	4962619	4974386	1.03	cps
Iron	54-2	75585289	75116551	76269696	75657178	0.77	cps
Iron	56-2	1382778699	1369204646	1358606086	1370196477	0.88	cps
Iron	57-2	35001524	34847999	34548634	34799386	0.66	cps
Krypton	83-1	890	963	860	904	5.88	cps
Lead	206-1	2160519	2181850	2202807	2181725	0.97	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-08	Instrumnet Name :	P8
Client Sample ID :	MYD5L5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:46:27	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1892824	1927897	1946213	1922311	1.41	cps
Lead	208-1	8681674	8784656	8806286	8757539	0.76	cps
Lithium	6-1	20750065	21092647	20914152	20918955	0.82	cps
Magnesium	24-2	15714067	16021769	15939554	15891797	1.00	cps
Manganese	55-2	42310939	42700887	42607875	42539900	0.48	cps
Molybdenum	94-1	208622	210445	209105	209391	0.45	cps
Molybdenum	95-1	42639	42271	42288	42399	0.49	cps
Molybdenum	96-1	84233	84233	83469	83978	0.53	cps
Molybdenum	97-1	25099	25801	25210	25370	1.49	cps
Molybdenum	98-1	64579	65604	65510	65231	0.87	cps
Neodymium	150-1	441795	450481	454412	448896	1.44	cps
Neodymium	150-2	124000	123372	123469	123614	0.27	cps
Nickel	60-2	483426	478221	478795	480147	0.59	cps
Phosphorus	31-2	24177	24825	24968	24657	1.71	cps
Potassium	39-2	5565077	5514963	5413294	5497778	1.41	cps
Rhodium	103-1	36051918	36188080	35366123	35868707	1.23	cps
Rhodium	103-2	14648377	14240807	14209407	14366197	1.70	cps
Scandium	45-1	29034446	29316545	29106828	29152606	0.50	cps
Scandium	45-2	796151	787123	787477	790251	0.65	cps
Selenium	82-1	440	370	400	403	8.71	cps
Selenium	77-2	617	520	593	577	8.75	cps
Selenium	78-2	410	407	440	419	4.38	cps
Silicon	28-1	71417744	72098016	72724819	72080193	0.91	cps
Silver	107-1	22044	22694	23434	22724	3.06	cps
Silver	109-1	14955	15222	15202	15126	0.98	cps
Sodium	23-2	236777	234762	236093	235878	0.43	cps
Strontium	86-1	886503	896720	899880	894368	0.78	cps
Strontium	88-1	7856339	7901563	7996416	7918106	0.90	cps
Sulfur	34-1	823933	827716	830978	827542	0.43	cps
Terbium	159-1	50878599	52120793	51568643	51522678	1.21	cps
Terbium	159-2	18646491	18376704	18420921	18481372	0.78	cps
Thallium	203-1	16267	16751	16818	16612	1.81	cps
Thallium	205-1	40176	39694	39135	39668	1.31	cps
Tin	118-1	111570	111752	112447	111923	0.41	cps
Titanium	47-1	5058118	5116470	5126829	5100472	0.73	cps
Uranium	238-1	137921	138249	140271	138814	0.92	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-08	Instrumnet Name :	P8
Client Sample ID :	MYD5L5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:46:27	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2148189	2145251	2135295	2142911	0.32	cps
Ytterbium	172-1	72782	73328	73958	73356	0.80	cps
Ytterbium	172-2	32413	31484	31768	31888	1.49	cps
Ytterbium	176-1	57746	58475	58549	58257	0.76	cps
Ytterbium	176-2	88478	87565	87340	87794	0.69	cps
Yttrium	89-1	62614256	62271904	61973969	62286710	0.51	cps
Yttrium	89-2	5645315	5610690	5605846	5620617	0.38	cps
Zinc	66-2	409801	405772	407521	407698	0.50	cps
Zirconium	90-1	509390	513113	515255	512586	0.58	cps
Zirconium	91-1	112637	115271	116263	114724	1.63	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-09	Instrumnet Name :	P8
Client Sample ID :	MYD5L6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:49:29	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13934893	13659708	13830208	13808270	1.01	cps
Antimony	121-1	79462	81377	80683	80507	1.20	cps
Arsenic	75-2	179043	180110	179376	179510	0.30	cps
Barium	135-1	7066330	7133036	7072210	7090525	0.52	cps
Barium	137-1	11988145	11910007	12195418	12031190	1.23	cps
Beryllium	9-1	17501	17734	18015	17750	1.45	cps
Bismuth	209-1	29395915	29102061	29484179	29327385	0.68	cps
Bismuth	209-2	12502834	12782776	12602732	12629447	1.12	cps
Bromine	81-1	33891	35308	35328	34842	2.36	cps
Cadmium	108-1	1687	1710	1827	1741	4.31	cps
Cadmium	106-1	38804	38363	38520	38563	0.58	cps
Cadmium	111-1	36256	36218	36280	36251	0.09	cps
Calcium	43-1	1203509	1226324	1236507	1222113	1.38	cps
Calcium	44-1	19757441	20516987	20316681	20197036	1.95	cps
Carbon	12-1	18099860	18520082	18677143	18432362	1.62	cps
Carbon	12-2	177359	175169	175885	176138	0.63	cps
Chlorine	35-1	224851723	230933883	234757250	230180952	2.17	cps
Chlorine	35-2	1280078	1269019	1298550	1282549	1.16	cps
Chromium	52-2	1297153	1380861	1355440	1344484	3.19	cps
Cobalt	59-2	1723178	1671628	1667236	1687347	1.84	cps
Copper	63-2	3419321	3442848	3409765	3423978	0.50	cps
Dysprosium	156-1	359091	364046	367669	363602	1.18	cps
Dysprosium	156-2	122953	123222	122785	122987	0.18	cps
Erbium	164-1	259296	260190	263556	261014	0.86	cps
Erbium	164-2	93569	93784	93909	93754	0.18	cps
Gadolinium	160-1	277473	282139	280882	280165	0.86	cps
Gadolinium	160-2	117334	116363	118138	117278	0.76	cps
Holmium	165-1	50906081	51219521	50573473	50899691	0.63	cps
Holmium	165-2	18580462	18635526	18512911	18576300	0.33	cps
Indium	115-1	39067174	38213176	39162265	38814205	1.35	cps
Indium	115-2	4882288	4950139	5002009	4944812	1.21	cps
Iron	54-2	92042862	92527499	91282125	91950829	0.68	cps
Iron	56-2	1650327442	1655265095	1656489095	1654027211	0.20	cps
Iron	57-2	42594559	42040013	41453313	42029295	1.36	cps
Krypton	83-1	1203	1053	1127	1128	6.65	cps
Lead	206-1	2208163	2224398	2236965	2223175	0.65	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-09	Instrumnet Name :	P8
Client Sample ID :	MYD5L6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:49:29	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1973716	2006565	1986792	1989024	0.83	cps
Lead	208-1	8958922	9054642	8961828	8991798	0.61	cps
Lithium	6-1	20919766	20895039	20912953	20909252	0.06	cps
Magnesium	24-2	22826208	22297136	22780302	22634549	1.29	cps
Manganese	55-2	61765131	61730254	62173266	61889550	0.40	cps
Molybdenum	94-1	175487	178483	180006	177992	1.29	cps
Molybdenum	95-1	59041	59155	60066	59421	0.94	cps
Molybdenum	96-1	99393	98392	99010	98932	0.51	cps
Molybdenum	97-1	36144	37353	36765	36754	1.65	cps
Molybdenum	98-1	93885	92328	94623	93612	1.25	cps
Neodymium	150-1	455283	462472	462965	460240	0.93	cps
Neodymium	150-2	127227	125961	127109	126766	0.55	cps
Nickel	60-2	500925	503987	501486	502132	0.32	cps
Phosphorus	31-2	33716	33218	33292	33408	0.80	cps
Potassium	39-2	7954211	8019828	8154537	8042859	1.27	cps
Rhodium	103-1	36233631	35814363	35219075	35755690	1.43	cps
Rhodium	103-2	14011818	14209512	14207920	14143083	0.80	cps
Scandium	45-1	29417511	29838821	29589394	29615242	0.72	cps
Scandium	45-2	795839	793264	800484	796529	0.46	cps
Selenium	82-1	277	327	317	307	8.63	cps
Selenium	77-2	567	613	500	560	10.17	cps
Selenium	78-2	497	460	460	472	4.48	cps
Silicon	28-1	61882962	61313006	61611114	61602361	0.46	cps
Silver	107-1	21015	20938	21386	21113	1.13	cps
Silver	109-1	12332	12643	12686	12554	1.54	cps
Sodium	23-2	259444	258356	259217	259006	0.22	cps
Strontium	86-1	1074874	1088629	1095383	1086295	0.96	cps
Strontium	88-1	9498219	9560281	9540055	9532852	0.33	cps
Sulfur	34-1	871465	871041	909804	884103	2.52	cps
Terbium	159-1	51453451	52738063	51632836	51941450	1.34	cps
Terbium	159-2	18345134	18265206	18553879	18388073	0.81	cps
Thallium	203-1	14702	14758	14925	14795	0.79	cps
Thallium	205-1	35549	35141	35930	35540	1.11	cps
Tin	118-1	89063	86806	88698	88189	1.37	cps
Titanium	47-1	5079979	5134646	5112017	5108881	0.54	cps
Uranium	238-1	140267	141050	142111	141143	0.66	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-09	Instrumnet Name :	P8
Client Sample ID :	MYD5L6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:49:29	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2701160	2673473	2634509	2669714	1.25	cps
Ytterbium	172-1	83471	83243	84759	83824	0.97	cps
Ytterbium	172-2	34846	35387	35574	35269	1.07	cps
Ytterbium	176-1	64644	64215	64724	64528	0.42	cps
Ytterbium	176-2	89756	90360	90306	90141	0.37	cps
Yttrium	89-1	62671881	61579877	61774434	62008731	0.94	cps
Yttrium	89-2	5664108	5655686	5518869	5612888	1.45	cps
Zinc	66-2	467040	461279	463461	463927	0.63	cps
Zirconium	90-1	399554	406406	407996	404652	1.11	cps
Zirconium	91-1	89612	92501	92367	91493	1.78	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-10	Instrumnet Name :	P8
Client Sample ID :	MYD5L7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:52:32	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11496667	11539520	11497286	11511158	0.21	cps
Antimony	121-1	65747	66702	67389	66612	1.24	cps
Arsenic	75-2	100670	98330	98408	99136	1.34	cps
Barium	135-1	3866668	3928695	3922062	3905808	0.87	cps
Barium	137-1	6478576	6686221	6745939	6636912	2.11	cps
Beryllium	9-1	14964	15028	15145	15046	0.61	cps
Bismuth	209-1	29100577	29102199	29323248	29175341	0.44	cps
Bismuth	209-2	12196027	12434574	12202354	12277652	1.11	cps
Bromine	81-1	24478	25270	25086	24945	1.66	cps
Cadmium	108-1	1837	1930	1954	1907	3.24	cps
Cadmium	106-1	38654	38748	38601	38667	0.19	cps
Cadmium	111-1	30766	30920	30714	30800	0.35	cps
Calcium	43-1	765093	771707	775235	770678	0.67	cps
Calcium	44-1	12968849	12918878	12883561	12923763	0.33	cps
Carbon	12-1	7542115	7674059	7677297	7631157	1.01	cps
Carbon	12-2	73311	72863	73489	73221	0.44	cps
Chlorine	35-1	193080204	198257337	202493684	197943741	2.38	cps
Chlorine	35-2	1044850	1033747	1032259	1036952	0.66	cps
Chromium	52-2	1176599	1171335	1173405	1173780	0.23	cps
Cobalt	59-2	1319156	1308469	1316044	1314556	0.42	cps
Copper	63-2	2291338	2279640	2325164	2298714	1.03	cps
Dysprosium	156-1	317395	321644	321044	320027	0.72	cps
Dysprosium	156-2	105573	106527	105781	105960	0.47	cps
Erbium	164-1	210185	213565	216043	213264	1.38	cps
Erbium	164-2	77045	75386	75724	76051	1.15	cps
Gadolinium	160-1	234506	239996	243350	239284	1.87	cps
Gadolinium	160-2	99800	99252	99454	99502	0.28	cps
Holmium	165-1	50120441	50942521	50417983	50493648	0.82	cps
Holmium	165-2	18515903	18284621	18291473	18363999	0.72	cps
Indium	115-1	38468089	38031113	38846136	38448446	1.06	cps
Indium	115-2	4869224	4883929	4829934	4861029	0.57	cps
Iron	54-2	80511360	80206725	79450664	80056250	0.68	cps
Iron	56-2	1483581898	1450006218	1444753258	1459447125	1.44	cps
Iron	57-2	37058882	37274815	37047282	37126993	0.35	cps
Krypton	83-1	1083	1113	1243	1147	7.42	cps
Lead	206-1	1307699	1304554	1323778	1312010	0.79	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-10	Instrumnet Name :	P8
Client Sample ID :	MYD5L7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:52:32	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1172630	1185767	1192559	1183652	0.86	cps
Lead	208-1	5359622	5433738	5491295	5428219	1.22	cps
Lithium	6-1	20388995	20692922	20804684	20628867	1.04	cps
Magnesium	24-2	18826906	18864858	18612391	18768052	0.73	cps
Manganese	55-2	39247894	38653748	38772837	38891493	0.81	cps
Molybdenum	94-1	262161	263472	265018	263550	0.54	cps
Molybdenum	95-1	46303	47789	47287	47126	1.60	cps
Molybdenum	96-1	97969	99174	99923	99022	1.00	cps
Molybdenum	97-1	27965	28746	28182	28298	1.43	cps
Molybdenum	98-1	72243	73329	73208	72927	0.82	cps
Neodymium	150-1	413517	419316	423382	418739	1.18	cps
Neodymium	150-2	115314	112749	114198	114087	1.13	cps
Nickel	60-2	423180	415174	413283	417213	1.26	cps
Phosphorus	31-2	17427	17314	17731	17491	1.23	cps
Potassium	39-2	5189741	5180029	5133950	5167906	0.58	cps
Rhodium	103-1	35473278	35357727	35514017	35448341	0.23	cps
Rhodium	103-2	13954496	13913119	13798371	13888662	0.58	cps
Scandium	45-1	28468174	28746402	29197587	28804054	1.28	cps
Scandium	45-2	773085	763516	764421	767008	0.69	cps
Selenium	82-1	37	-23	-67	-18	-291.92	cps
Selenium	77-2	543	547	470	520	8.33	cps
Selenium	78-2	460	423	323	402	17.59	cps
Silicon	28-1	65277537	65011349	64757756	65015547	0.40	cps
Silver	107-1	12906	12988	13103	12999	0.76	cps
Silver	109-1	5494	5755	5901	5717	3.60	cps
Sodium	23-2	231755	230039	228220	230005	0.77	cps
Strontium	86-1	857273	867039	874846	866386	1.02	cps
Strontium	88-1	7726760	7699659	7743464	7723294	0.29	cps
Sulfur	34-1	754801	759036	758001	757279	0.29	cps
Terbium	159-1	50688441	51957603	51233666	51293236	1.24	cps
Terbium	159-2	18198653	18182138	17961751	18114181	0.73	cps
Thallium	203-1	12436	12763	13053	12751	2.42	cps
Thallium	205-1	31007	30860	30279	30715	1.25	cps
Tin	118-1	76824	76291	77467	76861	0.77	cps
Titanium	47-1	5819495	5809834	5841412	5823580	0.28	cps
Uranium	238-1	144218	144737	145674	144876	0.51	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-10	Instrumnet Name :	P8
Client Sample ID :	MYD5L7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:52:32	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2146764	2175609	2121881	2148085	1.25	cps
Ytterbium	172-1	66613	68010	67849	67491	1.13	cps
Ytterbium	172-2	29015	29226	29677	29306	1.15	cps
Ytterbium	176-1	53682	55205	55081	54656	1.55	cps
Ytterbium	176-2	84633	85605	86803	85680	1.27	cps
Yttrium	89-1	61372991	62017874	61000514	61463793	0.84	cps
Yttrium	89-2	5500375	5511028	5536081	5515828	0.33	cps
Zinc	66-2	343198	342079	342371	342549	0.17	cps
Zirconium	90-1	648507	658074	658781	655121	0.88	cps
Zirconium	91-1	145416	145506	145678	145533	0.09	cps

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-11	Instrumnet Name :	P8
Client Sample ID :	MYD5L8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:55:36	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8082117	7977874	8049499	8036496	0.66	cps
Antimony	121-1	83231	83339	83305	83292	0.07	cps
Arsenic	75-2	82748	81635	81987	82123	0.69	cps
Barium	135-1	3697223	3668934	3785674	3717277	1.64	cps
Barium	137-1	6304946	6288604	6450671	6348074	1.41	cps
Beryllium	9-1	12676	12776	12665	12706	0.48	cps
Bismuth	209-1	29158565	29012000	30259981	29476849	2.31	cps
Bismuth	209-2	11710004	12342069	12399862	12150645	3.15	cps
Bromine	81-1	25383	24832	25373	25196	1.25	cps
Cadmium	108-1	2360	2247	2457	2355	4.46	cps
Cadmium	106-1	38069	37758	38968	38265	1.64	cps
Cadmium	111-1	40061	40507	40823	40464	0.95	cps
Calcium	43-1	484688	489759	494971	489806	1.05	cps
Calcium	44-1	8193920	8040511	8357330	8197254	1.93	cps
Carbon	12-1	9707323	9893812	9970765	9857300	1.37	cps
Carbon	12-2	95054	95169	93994	94739	0.68	cps
Chlorine	35-1	232892983	239794716	243139350	238609016	2.19	cps
Chlorine	35-2	1328025	1269068	1322670	1306588	2.50	cps
Chromium	52-2	777708	770729	773318	773918	0.46	cps
Cobalt	59-2	962653	960253	955700	959535	0.37	cps
Copper	63-2	3077770	3121174	3143571	3114172	1.07	cps
Dysprosium	156-1	271180	275293	274981	273818	0.84	cps
Dysprosium	156-2	89336	89407	89977	89573	0.39	cps
Erbium	164-1	158869	159032	162138	160013	1.15	cps
Erbium	164-2	57949	56519	56764	57077	1.34	cps
Gadolinium	160-1	194798	195255	194422	194825	0.21	cps
Gadolinium	160-2	80129	80099	80548	80259	0.31	cps
Holmium	165-1	49771433	49060713	51203821	50011989	2.18	cps
Holmium	165-2	16975741	18041848	17704003	17573864	3.10	cps
Indium	115-1	38204742	37540110	39242636	38329163	2.24	cps
Indium	115-2	4513042	4826825	4768846	4702904	3.55	cps
Iron	54-2	70559357	68960571	69017606	69512511	1.30	cps
Iron	56-2	1259457901	1253086355	1260232328	1257592195	0.31	cps
Iron	57-2	31707986	31852596	31686436	31749006	0.28	cps
Krypton	83-1	1137	1243	1170	1183	4.61	cps
Lead	206-1	2917016	2993956	3048292	2986422	2.21	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-11	Instrumnet Name :	P8
Client Sample ID :	MYD5L8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:55:36	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2589209	2615099	2622452	2608920	0.67	cps
Lead	208-1	11745352	11852612	11911361	11836442	0.71	cps
Lithium	6-1	19983551	20075907	21105585	20388348	3.05	cps
Magnesium	24-2	11618213	11736354	11861071	11738546	1.03	cps
Manganese	55-2	30617584	30232237	30515129	30454983	0.66	cps
Molybdenum	94-1	243064	242910	244436	243470	0.35	cps
Molybdenum	95-1	33637	33741	34128	33836	0.77	cps
Molybdenum	96-1	80016	81075	81883	80991	1.16	cps
Molybdenum	97-1	20706	20679	21093	20826	1.11	cps
Molybdenum	98-1	52081	52060	52957	52366	0.98	cps
Neodymium	150-1	368296	371678	374234	371402	0.80	cps
Neodymium	150-2	101836	100755	102495	101695	0.86	cps
Nickel	60-2	317689	315868	316620	316726	0.29	cps
Phosphorus	31-2	14624	13967	14300	14297	2.30	cps
Potassium	39-2	3625976	3675067	3694706	3665249	0.97	cps
Rhodium	103-1	34832377	34407111	35999204	35079564	2.35	cps
Rhodium	103-2	12858138	13701283	13779066	13446162	3.80	cps
Scandium	45-1	27402042	26771465	28393667	27522392	2.97	cps
Scandium	45-2	680264	722052	728998	710438	3.71	cps
Selenium	82-1	-190	-243	-267	-233	-16.84	cps
Selenium	77-2	497	447	433	459	7.28	cps
Selenium	78-2	373	317	317	336	9.75	cps
Silicon	28-1	91062379	90027422	90684192	90591331	0.58	cps
Silver	107-1	23862	23829	24333	24008	1.18	cps
Silver	109-1	19047	19117	19534	19232	1.37	cps
Sodium	23-2	160340	160750	158571	159887	0.72	cps
Strontium	86-1	433999	441066	444418	439828	1.21	cps
Strontium	88-1	3924782	3920377	3883380	3909513	0.58	cps
Sulfur	34-1	763410	762926	765495	763944	0.18	cps
Terbium	159-1	50421189	49619836	53196426	51079150	3.67	cps
Terbium	159-2	16766031	18134218	17685650	17528633	3.98	cps
Thallium	203-1	12803	13150	13187	13047	1.62	cps
Thallium	205-1	30790	31154	30566	30837	0.96	cps
Tin	118-1	85813	87440	87051	86768	0.98	cps
Titanium	47-1	4875689	4870579	4905060	4883776	0.38	cps
Uranium	238-1	109113	108286	108996	108798	0.41	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-11	Instrumnet Name :	P8
Client Sample ID :	MYD5L8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:55:36	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1420088	1403299	1394828	1406072	0.91	cps
Ytterbium	172-1	46943	48090	48626	47886	1.80	cps
Ytterbium	172-2	20910	20726	20800	20812	0.44	cps
Ytterbium	176-1	43037	43431	43451	43306	0.54	cps
Ytterbium	176-2	74758	78837	79547	77714	3.33	cps
Yttrium	89-1	59716466	58682281	60345649	59581465	1.41	cps
Yttrium	89-2	4911793	5205068	5292012	5136291	3.88	cps
Zinc	66-2	369914	367547	367366	368276	0.39	cps
Zirconium	90-1	615276	620240	621993	619170	0.56	cps
Zirconium	91-1	138174	138739	139746	138887	0.57	cps

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-12	Instrumnet Name :	P8
Client Sample ID :	MYD5L9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:58:41	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16422955	16520296	16365776	16436342	0.48	cps
Antimony	121-1	68956	69549	70270	69591	0.95	cps
Arsenic	75-2	132823	133967	131948	132913	0.76	cps
Barium	135-1	4785510	4764769	4750427	4766902	0.37	cps
Barium	137-1	8173897	8076274	8102989	8117720	0.62	cps
Beryllium	9-1	19681	19227	19445	19451	1.17	cps
Bismuth	209-1	28417121	28160988	28706029	28428046	0.96	cps
Bismuth	209-2	12240673	11962565	11968360	12057200	1.32	cps
Bromine	81-1	29207	29197	29003	29136	0.39	cps
Cadmium	108-1	2917	2694	2660	2757	5.06	cps
Cadmium	106-1	39827	39182	39848	39619	0.96	cps
Cadmium	111-1	32179	31810	32686	32225	1.36	cps
Calcium	43-1	1316334	1305968	1273001	1298434	1.74	cps
Calcium	44-1	21010741	21071924	20568495	20883720	1.32	cps
Carbon	12-1	8475752	8606003	8595340	8559031	0.84	cps
Carbon	12-2	82949	83408	81809	82722	1.00	cps
Chlorine	35-1	176304611	180484511	182642584	179810568	1.79	cps
Chlorine	35-2	936897	936297	925453	932882	0.69	cps
Chromium	52-2	1554941	1585994	1574272	1571736	1.00	cps
Cobalt	59-2	1518674	1461326	1463302	1481101	2.20	cps
Copper	63-2	2939304	2885909	2897411	2907541	0.97	cps
Dysprosium	156-1	385794	389847	389444	388362	0.57	cps
Dysprosium	156-2	130221	131637	130635	130831	0.56	cps
Erbium	164-1	272558	275017	275167	274247	0.53	cps
Erbium	164-2	97437	98578	96249	97421	1.20	cps
Gadolinium	160-1	302277	305145	305733	304385	0.61	cps
Gadolinium	160-2	124973	125403	127123	125833	0.90	cps
Holmium	165-1	49556564	48703539	49829279	49363128	1.19	cps
Holmium	165-2	18071754	17857465	17379493	17769571	1.99	cps
Indium	115-1	36373273	36344471	37311912	36676552	1.50	cps
Indium	115-2	4762896	4667701	4586583	4672393	1.89	cps
Iron	54-2	76545144	77591097	77294562	77143601	0.70	cps
Iron	56-2	1444897898	1429918539	1407236139	1427350859	1.33	cps
Iron	57-2	36094815	35799536	35350555	35748302	1.05	cps
Krypton	83-1	1290	1443	1443	1392	6.36	cps
Lead	206-1	1515215	1542195	1540744	1532718	0.99	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-12	Instrumnet Name :	P8
Client Sample ID :	MYD5L9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:58:41	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1353429	1355305	1357594	1355443	0.15	cps
Lead	208-1	6274387	6261606	6294555	6276849	0.26	cps
Lithium	6-1	19698770	19893886	19693344	19762000	0.58	cps
Magnesium	24-2	22565597	22575958	22261923	22467826	0.79	cps
Manganese	55-2	31389383	31404520	31329146	31374350	0.13	cps
Molybdenum	94-1	378129	377705	380156	378663	0.35	cps
Molybdenum	95-1	36013	35976	36117	36035	0.20	cps
Molybdenum	96-1	108503	109071	107129	108234	0.92	cps
Molybdenum	97-1	22732	22084	22338	22385	1.46	cps
Molybdenum	98-1	57234	57478	57060	57257	0.37	cps
Neodymium	150-1	528127	528731	534077	530312	0.62	cps
Neodymium	150-2	146234	144337	141777	144116	1.55	cps
Nickel	60-2	546810	541911	539453	542724	0.69	cps
Phosphorus	31-2	14397	14471	14344	14404	0.44	cps
Potassium	39-2	3016438	2940128	2888660	2948409	2.18	cps
Rhodium	103-1	33971609	33610333	33954929	33845624	0.60	cps
Rhodium	103-2	13494085	13264571	13328474	13362376	0.89	cps
Scandium	45-1	28388008	28269934	28304011	28320651	0.21	cps
Scandium	45-2	762484	756571	746520	755192	1.07	cps
Selenium	82-1	153	77	53	94	55.40	cps
Selenium	77-2	600	580	667	616	7.37	cps
Selenium	78-2	497	547	530	524	4.85	cps
Silicon	28-1	62523791	62775924	63444146	62914620	0.76	cps
Silver	107-1	16338	16468	15883	16229	1.89	cps
Silver	109-1	8366	8636	8356	8453	1.88	cps
Sodium	23-2	207064	206662	203725	205817	0.89	cps
Strontium	86-1	823519	823329	818660	821836	0.33	cps
Strontium	88-1	7392790	7229335	7165071	7262399	1.62	cps
Sulfur	34-1	745789	744698	743145	744544	0.18	cps
Terbium	159-1	50555638	49287979	49971736	49938451	1.27	cps
Terbium	159-2	17848883	17506923	17790196	17715334	1.03	cps
Thallium	203-1	12730	12840	12556	12709	1.13	cps
Thallium	205-1	30469	30857	30646	30657	0.63	cps
Tin	118-1	80039	80733	80843	80538	0.54	cps
Titanium	47-1	5810044	5829741	5767256	5802347	0.55	cps
Uranium	238-1	173451	175276	175271	174666	0.60	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-12	Instrumnet Name :	P8
Client Sample ID :	MYD5L9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 15:58:41	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2618559	2652048	2596777	2622461	1.06	cps
Ytterbium	172-1	84766	85685	86607	85686	1.07	cps
Ytterbium	172-2	37132	36718	36457	36769	0.93	cps
Ytterbium	176-1	66426	66583	66948	66652	0.40	cps
Ytterbium	176-2	87994	88320	87786	88033	0.31	cps
Yttrium	89-1	60652812	59934999	59617704	60068505	0.88	cps
Yttrium	89-2	5288317	5341868	5301551	5310579	0.53	cps
Zinc	66-2	324817	326190	322750	324586	0.53	cps
Zirconium	90-1	985712	989771	998746	991410	0.67	cps
Zirconium	91-1	219367	219229	224286	220960	1.30	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-13	Instrumnet Name :	P8
Client Sample ID :	MYD5M0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:01:44	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9580134	9578332	9387737	9515401	1.16	cps
Antimony	121-1	104791	105866	107212	105957	1.14	cps
Arsenic	75-2	87483	86510	85155	86383	1.35	cps
Barium	135-1	4842805	4816560	4933425	4864263	1.26	cps
Barium	137-1	8235481	8376978	8333655	8315371	0.87	cps
Beryllium	9-1	15088	15283	15398	15256	1.03	cps
Bismuth	209-1	29040985	29159836	28950552	29050458	0.36	cps
Bismuth	209-2	12286561	12372187	12201369	12286706	0.70	cps
Bromine	81-1	25670	26118	25944	25911	0.87	cps
Cadmium	108-1	2700	2454	2634	2596	4.92	cps
Cadmium	106-1	38845	39349	38942	39045	0.69	cps
Cadmium	111-1	41257	41953	41882	41697	0.92	cps
Calcium	43-1	618436	624854	618889	620726	0.58	cps
Calcium	44-1	10526209	10501612	10232732	10420184	1.56	cps
Carbon	12-1	10657833	10885413	10800415	10781220	1.07	cps
Carbon	12-2	104336	103434	104061	103944	0.45	cps
Chlorine	35-1	155536501	161007878	161510854	159351744	2.08	cps
Chlorine	35-2	842620	831408	830252	834760	0.82	cps
Chromium	52-2	990727	978560	988852	986046	0.66	cps
Cobalt	59-2	1038200	1035892	1040134	1038076	0.20	cps
Copper	63-2	2813435	2760144	2771560	2781713	1.01	cps
Dysprosium	156-1	295841	295504	296411	295918	0.15	cps
Dysprosium	156-2	97056	97737	97690	97494	0.39	cps
Erbium	164-1	180771	179858	178730	179786	0.57	cps
Erbium	164-2	65832	65142	64757	65243	0.83	cps
Gadolinium	160-1	208866	213776	213266	211969	1.27	cps
Gadolinium	160-2	87434	88562	87870	87955	0.65	cps
Holmium	165-1	49317316	50126541	49587789	49677215	0.83	cps
Holmium	165-2	17998403	18249358	17930538	18059433	0.93	cps
Indium	115-1	37532719	37645264	37220135	37466040	0.59	cps
Indium	115-2	4857881	4863274	4692149	4804434	2.02	cps
Iron	54-2	76966611	74982577	76031231	75993473	1.31	cps
Iron	56-2	1366332140	1371169420	1371417900	1369639820	0.21	cps
Iron	57-2	35155708	35065154	34966909	35062591	0.27	cps
Krypton	83-1	1263	1360	1360	1328	4.20	cps
Lead	206-1	3177188	3238430	3129502	3181706	1.72	cps

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On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-13	Instrumnet Name :	P8
Client Sample ID :	MYD5M0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:01:44	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2820995	2821481	2837237	2826571	0.33	cps
Lead	208-1	12735727	12887493	12825020	12816080	0.60	cps
Lithium	6-1	19255181	19468659	19337897	19353912	0.56	cps
Magnesium	24-2	15039020	14982601	14787025	14936215	0.89	cps
Manganese	55-2	33741630	33113567	33499306	33451501	0.95	cps
Molybdenum	94-1	269349	272400	269545	270431	0.63	cps
Molybdenum	95-1	39951	40251	39941	40048	0.44	cps
Molybdenum	96-1	93472	94865	95469	94602	1.08	cps
Molybdenum	97-1	24869	24772	24098	24580	1.71	cps
Molybdenum	98-1	61284	62396	62540	62074	1.11	cps
Neodymium	150-1	399438	398812	400443	399564	0.21	cps
Neodymium	150-2	109899	109499	109069	109489	0.38	cps
Nickel	60-2	388951	385592	385982	386842	0.47	cps
Phosphorus	31-2	20154	20371	19667	20064	1.80	cps
Potassium	39-2	4722231	4742187	4638429	4700949	1.17	cps
Rhodium	103-1	34886734	34873827	34612425	34790996	0.44	cps
Rhodium	103-2	13862712	13679335	13736814	13759620	0.68	cps
Scandium	45-1	27324810	27761810	27244140	27443587	1.01	cps
Scandium	45-2	737465	729401	723673	730180	0.95	cps
Selenium	82-1	-263	-303	-347	-304	-13.69	cps
Selenium	77-2	480	437	537	484	10.35	cps
Selenium	78-2	423	390	393	402	4.57	cps
Silicon	28-1	63767492	63196972	62605366	63189944	0.92	cps
Silver	107-1	25460	25685	25571	25572	0.44	cps
Silver	109-1	19000	19454	19150	19201	1.20	cps
Sodium	23-2	184926	181598	180130	182218	1.35	cps
Strontium	86-1	631883	639874	637247	636335	0.64	cps
Strontium	88-1	5700731	5677518	5655474	5677907	0.40	cps
Sulfur	34-1	766484	768034	769061	767860	0.17	cps
Terbium	159-1	50355233	50568188	50828224	50583881	0.47	cps
Terbium	159-2	18082464	18136863	17714719	17978016	1.28	cps
Thallium	203-1	14181	13998	13827	14002	1.26	cps
Thallium	205-1	32868	32401	32801	32690	0.77	cps
Tin	118-1	76452	76126	76418	76332	0.23	cps
Titanium	47-1	5185768	5274399	5135903	5198690	1.35	cps
Uranium	238-1	116104	116939	117443	116829	0.58	cps

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-13	Instrumnet Name :	P8
Client Sample ID :	MYD5M0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:01:44	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1758714	1710171	1744150	1737678	1.43	cps
Ytterbium	172-1	53293	54120	54184	53866	0.92	cps
Ytterbium	172-2	23695	23908	23945	23849	0.57	cps
Ytterbium	176-1	46917	47957	46900	47258	1.28	cps
Ytterbium	176-2	80299	81305	82529	81377	1.37	cps
Yttrium	89-1	59631264	59985197	58735057	59450506	1.08	cps
Yttrium	89-2	5361627	5337457	5291546	5330210	0.67	cps
Zinc	66-2	429976	426394	428003	428124	0.42	cps
Zirconium	90-1	684195	686861	687575	686210	0.26	cps
Zirconium	91-1	152231	154301	153469	153333	0.68	cps

500

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-14	Instrumnet Name :	P8
Client Sample ID :	MYD5M1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:04:49	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11368079	11498429	11271881	11379463	1.00	cps
Antimony	121-1	110868	110569	110670	110702	0.14	cps
Arsenic	75-2	154983	155966	154345	155098	0.53	cps
Barium	135-1	11235012	11273985	11193188	11234062	0.36	cps
Barium	137-1	19133958	19339987	19299453	19257799	0.57	cps
Beryllium	9-1	16485	16437	16392	16438	0.28	cps
Bismuth	209-1	28994370	28573283	29114239	28893964	0.98	cps
Bismuth	209-2	12045176	11972657	11887583	11968472	0.66	cps
Bromine	81-1	25002	24982	25286	25090	0.68	cps
Cadmium	108-1	2977	2734	2870	2860	4.27	cps
Cadmium	106-1	39206	38871	38504	38860	0.90	cps
Cadmium	111-1	45605	45515	45389	45503	0.24	cps
Calcium	43-1	672472	673505	679336	675104	0.55	cps
Calcium	44-1	11398094	11113897	11214558	11242183	1.28	cps
Carbon	12-1	8850903	8902491	8946506	8899967	0.54	cps
Carbon	12-2	85506	85942	85976	85808	0.31	cps
Chlorine	35-1	190170077	195741084	200066284	195325815	2.54	cps
Chlorine	35-2	1016229	1023721	1021263	1020404	0.37	cps
Chromium	52-2	1164290	1167146	1166663	1166033	0.13	cps
Cobalt	59-2	1344364	1369182	1369327	1360958	1.06	cps
Copper	63-2	3947487	3954680	3933221	3945129	0.28	cps
Dysprosium	156-1	334473	338163	335447	336028	0.57	cps
Dysprosium	156-2	111433	112785	112408	112209	0.62	cps
Erbium	164-1	232881	236229	237586	235565	1.03	cps
Erbium	164-2	83574	83926	83513	83671	0.27	cps
Gadolinium	160-1	255684	256434	256229	256116	0.15	cps
Gadolinium	160-2	105419	106222	106460	106034	0.51	cps
Holmium	165-1	49955601	48711359	49529988	49398983	1.28	cps
Holmium	165-2	17808515	17495864	17795862	17700080	1.00	cps
Indium	115-1	37114652	37278617	37655430	37349567	0.74	cps
Indium	115-2	4716578	4640547	4652817	4669981	0.87	cps
Iron	54-2	92187485	92088792	92043492	92106590	0.08	cps
Iron	56-2	1643742002	1674585842	1627599762	1648642535	1.45	cps
Iron	57-2	41501154	41770461	41963136	41744917	0.56	cps
Krypton	83-1	1330	1480	1557	1456	7.92	cps
Lead	206-1	4019084	4013949	4040842	4024625	0.35	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-14	Instrumnet Name :	P8
Client Sample ID :	MYD5M1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:04:49	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3554634	3557610	3551055	3554433	0.09	cps
Lead	208-1	16132792	15935933	16142934	16070553	0.73	cps
Lithium	6-1	19413645	19386068	19518657	19439457	0.36	cps
Magnesium	24-2	18706254	19059873	18688947	18818358	1.11	cps
Manganese	55-2	70742514	70814969	69113801	70223761	1.37	cps
Molybdenum	94-1	251995	253324	253776	253032	0.37	cps
Molybdenum	95-1	57130	58168	57953	57750	0.95	cps
Molybdenum	96-1	108782	109161	109954	109299	0.55	cps
Molybdenum	97-1	34663	35108	34757	34843	0.67	cps
Molybdenum	98-1	88567	88879	90523	89323	1.18	cps
Neodymium	150-1	434876	439528	439369	437924	0.60	cps
Neodymium	150-2	120088	118326	119079	119165	0.74	cps
Nickel	60-2	440263	447091	441462	442939	0.82	cps
Phosphorus	31-2	21439	22087	22484	22003	2.40	cps
Potassium	39-2	5734295	5827592	5714425	5758770	1.05	cps
Rhodium	103-1	33504770	33894828	34151169	33850256	0.96	cps
Rhodium	103-2	13403386	13455929	13228042	13362452	0.89	cps
Scandium	45-1	27398901	27204463	27306553	27303306	0.36	cps
Scandium	45-2	739383	727783	730378	732515	0.83	cps
Selenium	82-1	47	-110	-170	-78	-143.83	cps
Selenium	77-2	487	547	540	524	6.27	cps
Selenium	78-2	443	490	473	469	5.04	cps
Silicon	28-1	48365806	48985134	49414963	48921968	1.08	cps
Silver	107-1	35532	36466	36105	36034	1.31	cps
Silver	109-1	25998	26606	26676	26427	1.41	cps
Sodium	23-2	219858	220139	218894	219630	0.30	cps
Strontium	86-1	1074379	1072227	1065124	1070577	0.45	cps
Strontium	88-1	9570827	9477677	9398611	9482372	0.91	cps
Sulfur	34-1	736346	744190	744741	741759	0.63	cps
Terbium	159-1	50199931	49795853	49444301	49813361	0.76	cps
Terbium	159-2	17292046	17259108	17475609	17342254	0.67	cps
Thallium	203-1	15656	15763	15603	15674	0.52	cps
Thallium	205-1	37410	37029	37564	37335	0.74	cps
Tin	118-1	81048	81729	83033	81936	1.23	cps
Titanium	47-1	4699388	4696722	4670924	4689011	0.34	cps
Uranium	238-1	138374	137666	138556	138198	0.34	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-14	Instrumnet Name :	P8
Client Sample ID :	MYD5M1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:04:49	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2365576	2336835	2369523	2357311	0.76	cps
Ytterbium	172-1	74910	75249	75872	75344	0.65	cps
Ytterbium	172-2	32039	31240	31959	31746	1.39	cps
Ytterbium	176-1	59001	58743	58613	58786	0.34	cps
Ytterbium	176-2	83793	85655	86582	85343	1.66	cps
Yttrium	89-1	58921291	59300107	57945807	58722402	1.19	cps
Yttrium	89-2	5278512	5318763	5237529	5278268	0.77	cps
Zinc	66-2	521801	524041	523459	523100	0.22	cps
Zirconium	90-1	603547	605822	605157	604842	0.19	cps
Zirconium	91-1	134858	137501	138224	136861	1.29	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-15	Instrumnet Name :	P8
Client Sample ID :	MYD5M2	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:07:52	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12227719	12450340	12401474	12359844	0.95	cps
Antimony	121-1	83419	85123	86374	84972	1.75	cps
Arsenic	75-2	147030	150252	151189	149490	1.46	cps
Barium	135-1	4934572	5011335	4968741	4971550	0.77	cps
Barium	137-1	8467124	8462132	8621534	8516930	1.06	cps
Beryllium	9-1	16476	16653	16900	16676	1.27	cps
Bismuth	209-1	27918655	29120258	13927314	23655409	35.71	cps
Bismuth	209-2	11455805	10720374	11319343	11165174	3.50	cps
Bromine	81-1	25690	25947	26044	25894	0.71	cps
Cadmium	108-1	2684	2530	2620	2611	2.95	cps
Cadmium	106-1	39022	39503	22875	33800	28.00	cps
Cadmium	111-1	36318	36982	25246	32849	20.07	cps
Calcium	43-1	800340	814723	834017	816360	2.07	cps
Calcium	44-1	13429981	13669270	13682359	13593870	1.05	cps
Carbon	12-1	7227910	7404621	7483060	7371864	1.77	cps
Carbon	12-2	70528	70963	70448	70646	0.39	cps
Chlorine	35-1	191787264	197978737	203080037	197615346	2.86	cps
Chlorine	35-2	1002336	1027316	1020440	1016697	1.27	cps
Chromium	52-2	1220692	1231731	1230908	1227777	0.50	cps
Cobalt	59-2	1277744	1316941	1304889	1299858	1.54	cps
Copper	63-2	3103294	3168870	3161520	3144561	1.14	cps
Dysprosium	156-1	357611	364699	362271	361527	1.00	cps
Dysprosium	156-2	117533	121365	119209	119369	1.61	cps
Erbium	164-1	241703	245476	248050	245076	1.30	cps
Erbium	164-2	84815	86958	87498	86424	1.64	cps
Gadolinium	160-1	269147	269912	271846	270301	0.51	cps
Gadolinium	160-2	108874	111458	110594	110308	1.19	cps
Holmium	165-1	48125296	50297348	24829479	41084041	34.37	cps
Holmium	165-2	16981615	15828636	16676575	16495608	3.62	cps
Indium	115-1	36598024	37292476	18495641	30795380	34.61	cps
Indium	115-2	4472597	4141191	4394662	4336150	4.00	cps
Iron	54-2	76440442	76638836	76914077	76664452	0.31	cps
Iron	56-2	1391519286	1427507125	1415983179	1411669863	1.30	cps
Iron	57-2	34618785	35568561	35539140	35242162	1.53	cps
Krypton	83-1	1480	1503	1763	1582	9.94	cps
Lead	206-1	2166116	2166246	2198145	2176836	0.85	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-15	Instrumnet Name :	P8
Client Sample ID :	MYD5M2	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:07:52	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1902008	1850815	1943976	1898933	2.46	cps
Lead	208-1	8666854	8646039	8800564	8704486	0.96	cps
Lithium	6-1	19097593	19605568	10395654	16366272	31.63	cps
Magnesium	24-2	17811098	18422882	18309635	18181205	1.79	cps
Manganese	55-2	35071114	35588048	34716209	35125123	1.25	cps
Molybdenum	94-1	324120	333009	334836	330655	1.73	cps
Molybdenum	95-1	44384	45788	45558	45243	1.66	cps
Molybdenum	96-1	108654	108789	110546	109330	0.97	cps
Molybdenum	97-1	27327	28078	28035	27813	1.52	cps
Molybdenum	98-1	68823	69412	70927	69721	1.56	cps
Neodymium	150-1	475499	482495	481647	479880	0.80	cps
Neodymium	150-2	127160	129656	127732	128183	1.02	cps
Nickel	60-2	474455	487650	485772	482625	1.48	cps
Phosphorus	31-2	18428	19166	18659	18751	2.01	cps
Potassium	39-2	4479369	4578329	4521371	4526357	1.10	cps
Rhodium	103-1	33223787	33802548	16941540	27989292	34.20	cps
Rhodium	103-2	12926696	11904323	12564511	12465177	4.16	cps
Scandium	45-1	27116115	27910855	15162204	23396391	30.53	cps
Scandium	45-2	708685	655594	691059	685113	3.95	cps
Selenium	82-1	-280	-287	-360	-309	-14.37	cps
Selenium	77-2	613	537	573	574	6.68	cps
Selenium	78-2	390	480	480	450	11.55	cps
Silicon	28-1	58142767	58713539	58778072	58544793	0.60	cps
Silver	107-1	21628	22160	21872	21887	1.21	cps
Silver	109-1	14988	15659	15412	15353	2.21	cps
Sodium	23-2	189606	193650	189949	191068	1.17	cps
Strontium	86-1	695571	708455	722197	708741	1.88	cps
Strontium	88-1	6235252	6219299	6301836	6252129	0.70	cps
Sulfur	34-1	713699	717218	704221	711712	0.94	cps
Terbium	159-1	49357033	50854314	25236930	41816092	34.38	cps
Terbium	159-2	16478927	15637157	16480824	16198969	3.00	cps
Thallium	203-1	13390	13567	13217	13391	1.31	cps
Thallium	205-1	32537	31639	32444	32207	1.53	cps
Tin	118-1	75212	75731	76871	75938	1.12	cps
Titanium	47-1	5636856	5715409	5694804	5682356	0.72	cps
Uranium	238-1	141090	140912	143956	141986	1.20	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-15	Instrumnet Name :	P8
Client Sample ID :	MYD5M2	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:07:52	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2333779	2350887	2381779	2355481	1.03	cps
Ytterbium	172-1	75145	76617	75286	75683	1.07	cps
Ytterbium	172-2	32153	32039	32012	32068	0.23	cps
Ytterbium	176-1	59872	59664	54473	58003	5.27	cps
Ytterbium	176-2	81109	77932	82341	80461	2.83	cps
Yttrium	89-1	58172187	60398631	31515480	50028766	32.12	cps
Yttrium	89-2	5082351	4725636	5018046	4942011	3.85	cps
Zinc	66-2	331230	339211	335717	335386	1.19	cps
Zirconium	90-1	834370	838821	852664	841952	1.13	cps
Zirconium	91-1	187488	188949	191308	189249	1.02	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-16	Instrumnet Name :	P8
Client Sample ID :	MYD5M3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:10:56	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12746320	12641809	12489709	12625946	1.02	cps
Antimony	121-1	86793	87941	89249	87994	1.40	cps
Arsenic	75-2	165998	165157	165476	165544	0.26	cps
Barium	135-1	4361109	4456660	4329540	4382436	1.51	cps
Barium	137-1	7260417	7569470	7365785	7398557	2.12	cps
Beryllium	9-1	16885	17241	17225	17117	1.17	cps
Bismuth	209-1	27430059	28678100	28643585	28250581	2.52	cps
Bismuth	209-2	11977408	11668747	11861012	11835722	1.32	cps
Bromine	81-1	26375	27240	27160	26925	1.78	cps
Cadmium	108-1	2650	2677	2644	2657	0.66	cps
Cadmium	106-1	38330	38985	39296	38870	1.27	cps
Cadmium	111-1	39270	39880	39957	39702	0.95	cps
Calcium	43-1	839873	864424	864886	856395	1.67	cps
Calcium	44-1	14212361	14261781	14378803	14284315	0.60	cps
Carbon	12-1	7946612	7948504	8035789	7976968	0.64	cps
Carbon	12-2	77235	77027	77265	77175	0.17	cps
Chlorine	35-1	187700197	199163424	198851917	195238513	3.34	cps
Chlorine	35-2	1004132	1000491	1003149	1002591	0.19	cps
Chromium	52-2	1262758	1261368	1263419	1262515	0.08	cps
Cobalt	59-2	1245706	1240165	1249142	1245005	0.36	cps
Copper	63-2	3687131	3697209	3686210	3690183	0.17	cps
Dysprosium	156-1	355877	362799	368444	362373	1.74	cps
Dysprosium	156-2	121638	120134	121490	121087	0.68	cps
Erbium	164-1	247285	250103	254644	250677	1.48	cps
Erbium	164-2	87777	88683	88294	88252	0.52	cps
Gadolinium	160-1	269180	276547	277642	274456	1.68	cps
Gadolinium	160-2	114083	112973	114436	113831	0.67	cps
Holmium	165-1	48137583	48097033	48928061	48387559	0.97	cps
Holmium	165-2	17753894	17481992	17741592	17659160	0.87	cps
Indium	115-1	35887090	37172384	36521965	36527146	1.76	cps
Indium	115-2	4684338	4568521	4577737	4610199	1.40	cps
Iron	54-2	78727260	78009221	78689854	78475445	0.52	cps
Iron	56-2	1425284939	1409865899	1409137206	1414762681	0.64	cps
Iron	57-2	36267425	35639209	36104744	36003793	0.91	cps
Krypton	83-1	1777	1740	1823	1780	2.35	cps
Lead	206-1	2757411	2866300	2853316	2825676	2.10	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-16	Instrumnet Name :	P8
Client Sample ID :	MYD5M3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:10:56	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2459952	2441815	2463396	2455055	0.47	cps
Lead	208-1	11196254	11225529	11341494	11254426	0.68	cps
Lithium	6-1	18388088	19017955	18963138	18789727	1.86	cps
Magnesium	24-2	18304817	18277531	17799768	18127372	1.57	cps
Manganese	55-2	32515490	32459086	32348527	32441034	0.26	cps
Molybdenum	94-1	296999	305185	307248	303144	1.79	cps
Molybdenum	95-1	40295	40408	41679	40794	1.88	cps
Molybdenum	96-1	97670	101501	102138	100436	2.41	cps
Molybdenum	97-1	23647	25103	25550	24767	4.02	cps
Molybdenum	98-1	63143	64214	63966	63774	0.88	cps
Neodymium	150-1	480950	493408	488964	487774	1.29	cps
Neodymium	150-2	132378	131898	132194	132157	0.18	cps
Nickel	60-2	465247	465116	467938	466100	0.34	cps
Phosphorus	31-2	19834	18732	18812	19126	3.21	cps
Potassium	39-2	4944372	4970308	4847026	4920569	1.32	cps
Rhodium	103-1	32668335	33343022	34149707	33387021	2.22	cps
Rhodium	103-2	13451868	13148772	13076048	13225563	1.51	cps
Scandium	45-1	26872094	26848627	27484932	27068551	1.33	cps
Scandium	45-2	725976	723169	717284	722143	0.61	cps
Selenium	82-1	-467	-443	-423	-445	-4.88	cps
Selenium	77-2	603	527	553	561	6.94	cps
Selenium	78-2	490	460	480	477	3.20	cps
Silicon	28-1	56681507	57692287	57602004	57325266	0.98	cps
Silver	107-1	27934	27084	27951	27656	1.79	cps
Silver	109-1	20342	20789	20949	20693	1.52	cps
Sodium	23-2	179020	180882	181484	180462	0.71	cps
Strontium	86-1	714081	731174	730304	725186	1.33	cps
Strontium	88-1	6427494	6516923	6560711	6501709	1.04	cps
Sulfur	34-1	718190	724215	724244	722216	0.48	cps
Terbium	159-1	48522879	49392511	49177209	49030866	0.92	cps
Terbium	159-2	17328999	16892311	17458947	17226753	1.72	cps
Thallium	203-1	14532	14995	14922	14816	1.68	cps
Thallium	205-1	34960	36244	36411	35872	2.21	cps
Tin	118-1	78859	79670	80438	79656	0.99	cps
Titanium	47-1	5456745	5448355	5548573	5484557	1.01	cps
Uranium	238-1	146494	151498	150600	149531	1.78	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-16	Instrumnet Name :	P8
Client Sample ID :	MYD5M3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:10:56	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2451828	2446916	2441352	2446699	0.21	cps
Ytterbium	172-1	76969	77934	79621	78174	1.72	cps
Ytterbium	172-2	33155	33459	33806	33473	0.97	cps
Ytterbium	176-1	60886	61255	61683	61275	0.65	cps
Ytterbium	176-2	83663	84944	85662	84756	1.19	cps
Yttrium	89-1	57317634	58343206	59239439	58300093	1.65	cps
Yttrium	89-2	5351490	5231186	5179183	5253953	1.68	cps
Zinc	66-2	384212	381251	382462	382642	0.39	cps
Zirconium	90-1	757725	773289	779575	770196	1.46	cps
Zirconium	91-1	171041	174150	176040	173744	1.45	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-17	Instrumnet Name :	P8
Client Sample ID :	MYD5M4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:13:59	DataFile Name :	043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14048416	14172256	14001326	14074000	0.63	cps
Antimony	121-1	67227	68122	67991	67780	0.71	cps
Arsenic	75-2	129822	130612	128305	129580	0.91	cps
Barium	135-1	5781958	5864601	5824983	5823847	0.71	cps
Barium	137-1	9889824	9977359	9925811	9930998	0.44	cps
Beryllium	9-1	18434	19026	18941	18800	1.70	cps
Bismuth	209-1	27279175	27773301	27991948	27681475	1.32	cps
Bismuth	209-2	11680653	11785439	11687867	11717986	0.50	cps
Bromine	81-1	30553	31472	31602	31209	1.83	cps
Cadmium	108-1	2440	2307	2420	2389	3.01	cps
Cadmium	106-1	38337	38156	38390	38294	0.32	cps
Cadmium	111-1	31606	31936	31877	31806	0.55	cps
Calcium	43-1	1092899	1107004	1111202	1103702	0.87	cps
Calcium	44-1	18369066	18534013	18367923	18423667	0.52	cps
Carbon	12-1	7903531	7993146	7920281	7938986	0.60	cps
Carbon	12-2	75791	77392	77506	76896	1.25	cps
Chlorine	35-1	147852304	151270144	152175368	150432606	1.52	cps
Chlorine	35-2	783884	776643	776634	779054	0.54	cps
Chromium	52-2	1428433	1405406	1387106	1406981	1.47	cps
Cobalt	59-2	1605366	1573030	1563707	1580701	1.38	cps
Copper	63-2	2638011	2618082	2615284	2623792	0.47	cps
Dysprosium	156-1	389497	398719	402473	396897	1.68	cps
Dysprosium	156-2	135886	133082	133421	134130	1.14	cps
Erbium	164-1	271414	274055	273812	273093	0.53	cps
Erbium	164-2	96013	96658	95255	95976	0.73	cps
Gadolinium	160-1	301827	300475	305678	302660	0.89	cps
Gadolinium	160-2	126089	125559	124636	125428	0.59	cps
Holmium	165-1	46583881	48475206	48085408	47714832	2.09	cps
Holmium	165-2	17605567	17665064	17547566	17606066	0.33	cps
Indium	115-1	35977197	35829618	36057147	35954654	0.32	cps
Indium	115-2	4576473	4625284	4615534	4605764	0.56	cps
Iron	54-2	89008985	88922739	88067812	88666512	0.59	cps
Iron	56-2	1618789949	1652508455	1631362962	1634220456	1.04	cps
Iron	57-2	41517973	41424018	41258449	41400146	0.32	cps
Krypton	83-1	1900	1983	1730	1871	6.90	cps
Lead	206-1	1808818	1866506	1804494	1826606	1.90	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-17	Instrumnet Name :	P8
Client Sample ID :	MYD5M4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:13:59	DataFile Name :	043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1550028	1604725	1609985	1588246	2.09	cps
Lead	208-1	7222487	7440652	7432653	7365264	1.68	cps
Lithium	6-1	17987537	18577997	18381442	18315659	1.64	cps
Magnesium	24-2	20175380	20139874	20069818	20128357	0.27	cps
Manganese	55-2	42988392	42665604	42647187	42767061	0.45	cps
Molybdenum	94-1	338634	344438	345902	342991	1.12	cps
Molybdenum	95-1	44722	44464	45474	44887	1.17	cps
Molybdenum	96-1	111393	113818	114965	113392	1.61	cps
Molybdenum	97-1	27621	27848	27768	27746	0.42	cps
Molybdenum	98-1	70776	70906	71272	70985	0.36	cps
Neodymium	150-1	527518	531155	531611	530095	0.42	cps
Neodymium	150-2	143984	144394	144641	144340	0.23	cps
Nickel	60-2	502357	497746	498788	499631	0.48	cps
Phosphorus	31-2	18121	18278	17788	18062	1.39	cps
Potassium	39-2	4138470	4194708	4146597	4159925	0.73	cps
Rhodium	103-1	32248214	32851825	32982970	32694336	1.20	cps
Rhodium	103-2	13018831	13204869	12936183	13053294	1.05	cps
Scandium	45-1	25996020	26796319	27572088	26788142	2.94	cps
Scandium	45-2	722740	718070	714913	718574	0.55	cps
Selenium	82-1	-527	-733	-367	-542	-33.90	cps
Selenium	77-2	717	617	680	671	7.54	cps
Selenium	78-2	523	520	530	524	0.97	cps
Silicon	28-1	71766222	73334892	72618157	72573091	1.08	cps
Silver	107-1	15996	15828	15985	15936	0.59	cps
Silver	109-1	6608	6999	6932	6846	3.05	cps
Sodium	23-2	206503	206264	206963	206577	0.17	cps
Strontium	86-1	1038785	1048228	1060833	1049282	1.05	cps
Strontium	88-1	9329440	9419788	9327605	9358944	0.56	cps
Sulfur	34-1	710755	707289	708920	708988	0.24	cps
Terbium	159-1	47390526	48657898	48880053	48309492	1.66	cps
Terbium	159-2	17460863	17175091	17222738	17286231	0.89	cps
Thallium	203-1	15583	16107	15740	15810	1.70	cps
Thallium	205-1	38163	38514	38183	38286	0.52	cps
Tin	118-1	78648	79469	79811	79309	0.75	cps
Titanium	47-1	6015744	6199108	6159992	6124948	1.58	cps
Uranium	238-1	180178	179738	184181	181366	1.35	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-17	Instrumnet Name :	P8
Client Sample ID :	MYD5M4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:13:59	DataFile Name :	043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2531966	2507825	2479737	2506509	1.04	cps
Ytterbium	172-1	81801	84541	86450	84264	2.77	cps
Ytterbium	172-2	35568	35808	35621	35666	0.35	cps
Ytterbium	176-1	63401	64962	65207	64523	1.52	cps
Ytterbium	176-2	87064	87045	85769	86626	0.86	cps
Yttrium	89-1	56916562	58606822	57522807	57682064	1.48	cps
Yttrium	89-2	5304131	5150352	5136252	5196912	1.79	cps
Zinc	66-2	364138	365707	366093	365313	0.28	cps
Zirconium	90-1	862934	880338	874633	872635	1.02	cps
Zirconium	91-1	193404	194886	197790	195360	1.14	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-18	Instrumnet Name :	P8
Client Sample ID :	MYD5M5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:17:04	DataFile Name :	044AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9886794	10039969	9888529	9938431	0.88	cps
Antimony	121-1	86411	89735	89718	88621	2.16	cps
Arsenic	75-2	126798	127571	124797	126389	1.13	cps
Barium	135-1	3142386	3200272	3163683	3168780	0.92	cps
Barium	137-1	5289028	5451894	5385426	5375449	1.52	cps
Beryllium	9-1	13245	13449	13476	13390	0.94	cps
Bismuth	209-1	28014659	28294087	27937575	28082107	0.67	cps
Bismuth	209-2	11789559	11741936	11762711	11764735	0.20	cps
Bromine	81-1	24174	24869	24545	24529	1.42	cps
Cadmium	108-1	2734	2824	2900	2819	2.96	cps
Cadmium	106-1	38437	37611	37863	37970	1.11	cps
Cadmium	111-1	42574	42357	42836	42589	0.56	cps
Calcium	43-1	542104	551274	563197	552192	1.92	cps
Calcium	44-1	9196634	9486430	9439746	9374270	1.66	cps
Carbon	12-1	7474388	7621521	7676926	7590945	1.38	cps
Carbon	12-2	72960	72749	72682	72797	0.20	cps
Chlorine	35-1	173355677	182101031	181137424	178864711	2.68	cps
Chlorine	35-2	921510	914311	906019	913947	0.85	cps
Chromium	52-2	1079526	1077485	1086751	1081254	0.45	cps
Cobalt	59-2	1055351	1063922	1074486	1064586	0.90	cps
Copper	63-2	3663778	3699954	3670120	3677951	0.53	cps
Dysprosium	156-1	297869	300638	299408	299305	0.46	cps
Dysprosium	156-2	100034	101135	99688	100286	0.75	cps
Erbium	164-1	201036	203585	204007	202876	0.79	cps
Erbium	164-2	72299	71628	71377	71768	0.66	cps
Gadolinium	160-1	223062	230393	228445	227300	1.67	cps
Gadolinium	160-2	94838	93105	96140	94694	1.61	cps
Holmium	165-1	47283799	47826371	47874433	47661534	0.69	cps
Holmium	165-2	17348276	17147250	17231554	17242360	0.59	cps
Indium	115-1	36224579	36921960	36127249	36424596	1.19	cps
Indium	115-2	4512049	4472226	4528799	4504358	0.65	cps
Iron	54-2	69260981	68243839	69011381	68838733	0.77	cps
Iron	56-2	1264743448	1250482488	1253441101	1256222346	0.60	cps
Iron	57-2	32166384	32112166	32258059	32178870	0.23	cps
Krypton	83-1	1710	1970	1947	1876	7.67	cps
Lead	206-1	3444049	3464509	3424809	3444456	0.58	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-18	Instrumnet Name :	P8
Client Sample ID :	MYD5M5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:17:04	DataFile Name :	044AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2950796	3016134	3029906	2998945	1.41	cps
Lead	208-1	13401367	13558071	13559941	13506460	0.67	cps
Lithium	6-1	18493309	18615934	18558069	18555771	0.33	cps
Magnesium	24-2	15817450	15864668	15628412	15770176	0.79	cps
Manganese	55-2	23943571	23894390	23527354	23788439	0.96	cps
Molybdenum	94-1	292641	299911	297649	296734	1.25	cps
Molybdenum	95-1	37056	37203	38035	37431	1.41	cps
Molybdenum	96-1	94828	98093	96079	96333	1.71	cps
Molybdenum	97-1	22892	22832	23260	22995	1.01	cps
Molybdenum	98-1	58573	59239	58245	58686	0.86	cps
Neodymium	150-1	403597	412235	409832	408555	1.09	cps
Neodymium	150-2	110477	108924	110198	109866	0.75	cps
Nickel	60-2	395561	396094	395764	395806	0.07	cps
Phosphorus	31-2	17744	17958	17684	17795	0.81	cps
Potassium	39-2	4669278	4660719	4592263	4640753	0.91	cps
Rhodium	103-1	33280129	32785781	32971965	33012625	0.76	cps
Rhodium	103-2	13022174	12911224	12939001	12957467	0.45	cps
Scandium	45-1	25897382	26013911	26480734	26130676	1.18	cps
Scandium	45-2	695831	683225	682534	687197	1.09	cps
Selenium	82-1	-657	-927	-833	-806	-17.02	cps
Selenium	77-2	550	507	477	511	7.21	cps
Selenium	78-2	387	380	393	387	1.72	cps
Silicon	28-1	76542616	76489472	75676361	76236149	0.64	cps
Silver	107-1	30526	30308	30204	30346	0.54	cps
Silver	109-1	24165	24529	24936	24543	1.57	cps
Sodium	23-2	170665	168122	168261	169016	0.85	cps
Strontium	86-1	497341	508975	505289	503868	1.18	cps
Strontium	88-1	4533414	4515124	4489425	4512654	0.49	cps
Sulfur	34-1	700973	702258	699198	700810	0.22	cps
Terbium	159-1	48243911	48780994	48766243	48597049	0.63	cps
Terbium	159-2	17054414	16958152	17011201	17007922	0.28	cps
Thallium	203-1	12436	12726	12830	12664	1.61	cps
Thallium	205-1	30031	30529	30359	30307	0.83	cps
Tin	118-1	71797	72551	71857	72068	0.58	cps
Titanium	47-1	5698797	5809639	5881546	5796661	1.59	cps
Uranium	238-1	126856	128626	130774	128752	1.52	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-18	Instrumnet Name :	P8
Client Sample ID :	MYD5M5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:17:04	DataFile Name :	044AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2026475	1999390	2005161	2010342	0.71	cps
Ytterbium	172-1	63200	62969	63076	63081	0.18	cps
Ytterbium	172-2	26547	26998	26617	26720	0.91	cps
Ytterbium	176-1	50463	52618	52507	51863	2.34	cps
Ytterbium	176-2	77794	79705	81496	79665	2.32	cps
Yttrium	89-1	57003791	58522049	57446749	57657530	1.35	cps
Yttrium	89-2	5075759	5071148	4984903	5043937	1.01	cps
Zinc	66-2	393809	397054	391637	394167	0.69	cps
Zirconium	90-1	761814	769338	769017	766723	0.55	cps
Zirconium	91-1	168127	171738	169916	169927	1.06	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-19	Instrumnet Name :	P8
Client Sample ID :	MYD5M6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:20:07	DataFile Name :	045AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8926544	8999244	9036475	8987421	0.62	cps
Antimony	121-1	87099	87444	87921	87488	0.47	cps
Arsenic	75-2	110160	109672	109790	109874	0.23	cps
Barium	135-1	5872310	5948517	5967322	5929383	0.85	cps
Barium	137-1	9874069	10075746	10188503	10046106	1.59	cps
Beryllium	9-1	13505	13447	13478	13477	0.22	cps
Bismuth	209-1	27617023	28103078	27754285	27824795	0.90	cps
Bismuth	209-2	11725516	11701527	11267621	11564888	2.23	cps
Bromine	81-1	24729	24909	24679	24772	0.49	cps
Cadmium	108-1	1933	2004	1807	1915	5.21	cps
Cadmium	106-1	36221	35877	35790	35962	0.63	cps
Cadmium	111-1	33611	33345	33428	33461	0.41	cps
Calcium	43-1	571004	576057	579843	575635	0.77	cps
Calcium	44-1	9712772	9799174	9703308	9738418	0.54	cps
Carbon	12-1	7511605	7720469	7704008	7645361	1.52	cps
Carbon	12-2	73130	73167	73117	73138	0.04	cps
Chlorine	35-1	158304698	163393154	166275794	162657882	2.48	cps
Chlorine	35-2	834971	835208	833552	834577	0.11	cps
Chromium	52-2	969271	965828	976012	970370	0.53	cps
Cobalt	59-2	1162328	1167156	1179300	1169594	0.75	cps
Copper	63-2	2570316	2563609	2584703	2572876	0.42	cps
Dysprosium	156-1	287302	289968	291554	289608	0.74	cps
Dysprosium	156-2	97099	97231	96301	96877	0.52	cps
Erbium	164-1	192082	196185	198671	195646	1.70	cps
Erbium	164-2	68411	68894	69129	68811	0.53	cps
Gadolinium	160-1	215605	218337	220527	218156	1.13	cps
Gadolinium	160-2	90045	90649	88924	89872	0.97	cps
Holmium	165-1	47710224	48307083	46939509	47652272	1.44	cps
Holmium	165-2	17571561	17108496	16751662	17143906	2.40	cps
Indium	115-1	35536587	35629411	35565690	35577229	0.13	cps
Indium	115-2	4579936	4435388	4409252	4474859	2.05	cps
Iron	54-2	72487614	72976802	72136674	72533697	0.58	cps
Iron	56-2	1332353687	1327658994	1349229153	1336413945	0.85	cps
Iron	57-2	33423479	33831184	33372884	33542515	0.75	cps
Krypton	83-1	1747	1757	2020	1841	8.42	cps
Lead	206-1	2124734	2149756	2176792	2150427	1.21	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-19	Instrumnet Name :	P8
Client Sample ID :	MYD5M6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:20:07	DataFile Name :	045AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1884761	1930575	1903329	1906222	1.21	cps
Lead	208-1	8562648	8720502	8604751	8629300	0.95	cps
Lithium	6-1	17668899	18121784	18336859	18042514	1.89	cps
Magnesium	24-2	14747606	14725469	15000838	14824638	1.03	cps
Manganese	55-2	41405219	40956736	41012472	41124809	0.59	cps
Molybdenum	94-1	237896	242056	241461	240471	0.94	cps
Molybdenum	95-1	37591	38831	38644	38355	1.74	cps
Molybdenum	96-1	87524	88607	88724	88285	0.75	cps
Molybdenum	97-1	23714	23350	23824	23629	1.05	cps
Molybdenum	98-1	57836	58938	59600	58792	1.52	cps
Neodymium	150-1	375211	382608	383128	380315	1.16	cps
Neodymium	150-2	104134	103737	105229	104367	0.74	cps
Nickel	60-2	370455	370123	373145	371241	0.45	cps
Phosphorus	31-2	16857	17100	16776	16911	1.00	cps
Potassium	39-2	4361101	4383147	4414414	4386221	0.61	cps
Rhodium	103-1	33286249	32547064	32492197	32775170	1.35	cps
Rhodium	103-2	13032746	12726289	12630741	12796592	1.64	cps
Scandium	45-1	26078795	25849130	25561318	25829748	1.00	cps
Scandium	45-2	678648	676918	664460	673342	1.15	cps
Selenium	82-1	-657	-823	-983	-821	-19.89	cps
Selenium	77-2	503	440	450	464	7.33	cps
Selenium	78-2	310	330	347	329	5.58	cps
Silicon	28-1	67321702	69013729	68706664	68347365	1.32	cps
Silver	107-1	18261	18828	18139	18409	2.00	cps
Silver	109-1	10664	10628	10874	10722	1.24	cps
Sodium	23-2	174213	173724	173559	173832	0.20	cps
Strontium	86-1	852091	866564	862703	860453	0.87	cps
Strontium	88-1	7573217	7811183	7641953	7675451	1.60	cps
Sulfur	34-1	684316	682430	683686	683477	0.14	cps
Terbium	159-1	47778888	48620033	48060774	48153232	0.89	cps
Terbium	159-2	17066239	17166277	16662964	16965160	1.57	cps
Thallium	203-1	12036	11715	11762	11838	1.46	cps
Thallium	205-1	28224	28775	28772	28590	1.11	cps
Tin	118-1	82134	83198	83234	82855	0.75	cps
Titanium	47-1	4903385	4903064	4855670	4887373	0.56	cps
Uranium	238-1	121285	124392	124504	123394	1.48	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-19	Instrumnet Name :	P8
Client Sample ID :	MYD5M6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:20:07	DataFile Name :	045AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1812736	1852320	1830825	1831960	1.08	cps
Ytterbium	172-1	58820	60276	61649	60248	2.35	cps
Ytterbium	172-2	25919	25378	25111	25469	1.62	cps
Ytterbium	176-1	48606	49372	50205	49394	1.62	cps
Ytterbium	176-2	77838	78837	79856	78844	1.28	cps
Yttrium	89-1	56808482	56887382	55731638	56475834	1.14	cps
Yttrium	89-2	5031696	4921930	4882279	4945302	1.57	cps
Zinc	66-2	352393	352766	349666	351609	0.48	cps
Zirconium	90-1	596288	615385	615868	609180	1.83	cps
Zirconium	91-1	134754	135676	135989	135473	0.47	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-20	Instrumnet Name :	P8
Client Sample ID :	MYD5M7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:23:12	DataFile Name :	046AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10075412	9870909	10033674	9993332	1.08	cps
Antimony	121-1	77338	79506	77783	78209	1.46	cps
Arsenic	75-2	89019	90505	90555	90026	0.97	cps
Barium	135-1	4803599	4769000	4684474	4752357	1.29	cps
Barium	137-1	8014904	8192158	8076452	8094504	1.11	cps
Beryllium	9-1	14712	14738	14647	14699	0.32	cps
Bismuth	209-1	27981433	28133411	28427500	28180781	0.80	cps
Bismuth	209-2	11772705	11867832	11741857	11794131	0.56	cps
Bromine	81-1	25256	25931	25854	25680	1.44	cps
Cadmium	108-1	2117	2204	2177	2166	2.05	cps
Cadmium	106-1	37307	38082	37411	37600	1.12	cps
Cadmium	111-1	33022	34158	33590	33590	1.69	cps
Calcium	43-1	589985	589782	599594	593120	0.95	cps
Calcium	44-1	10001680	9925913	9957971	9961855	0.38	cps
Carbon	12-1	7297215	7422923	7513975	7411371	1.47	cps
Carbon	12-2	71616	72169	72538	72108	0.64	cps
Chlorine	35-1	148033971	150581814	153659328	150758371	1.87	cps
Chlorine	35-2	774355	772386	776231	774324	0.25	cps
Chromium	52-2	908163	902129	904824	905039	0.33	cps
Cobalt	59-2	1116114	1123598	1117370	1119027	0.36	cps
Copper	63-2	2654866	2639123	2647220	2647070	0.30	cps
Dysprosium	156-1	306462	310890	312953	310102	1.07	cps
Dysprosium	156-2	100427	102342	101367	101379	0.94	cps
Erbium	164-1	190471	193528	194887	192962	1.17	cps
Erbium	164-2	67182	68200	68321	67901	0.92	cps
Gadolinium	160-1	225266	225516	230808	227196	1.38	cps
Gadolinium	160-2	92938	93813	94794	93848	0.99	cps
Holmium	165-1	48228693	48383669	48148326	48253563	0.25	cps
Holmium	165-2	17397891	17443645	17302005	17381180	0.42	cps
Indium	115-1	35736256	35836223	36638640	36070373	1.37	cps
Indium	115-2	4543000	4490134	4548399	4527178	0.71	cps
Iron	54-2	78129469	78561559	77590479	78093836	0.62	cps
Iron	56-2	1428812939	1429565899	1391215819	1416531552	1.55	cps
Iron	57-2	35742683	36010765	36140746	35964731	0.56	cps
Krypton	83-1	1633	1720	1960	1771	9.56	cps
Lead	206-1	2052531	2056314	2074588	2061144	0.57	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-20	Instrumnet Name :	P8
Client Sample ID :	MYD5M7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:23:12	DataFile Name :	046AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1786711	1817640	1823977	1809443	1.10	cps
Lead	208-1	8222296	8328383	8355053	8301911	0.85	cps
Lithium	6-1	17797147	17582897	18099770	17826605	1.46	cps
Magnesium	24-2	12966866	12853785	12866656	12895769	0.48	cps
Manganese	55-2	37631079	36916973	36651999	37066684	1.37	cps
Molybdenum	94-1	291922	295726	298769	295472	1.16	cps
Molybdenum	95-1	39687	40188	39987	39954	0.63	cps
Molybdenum	96-1	99560	100127	99808	99832	0.28	cps
Molybdenum	97-1	24345	24772	25193	24770	1.71	cps
Molybdenum	98-1	62138	61653	62624	62138	0.78	cps
Neodymium	150-1	416163	420000	426438	420867	1.23	cps
Neodymium	150-2	114446	114487	113942	114292	0.27	cps
Nickel	60-2	372215	372574	369055	371281	0.52	cps
Phosphorus	31-2	15171	15615	15448	15412	1.45	cps
Potassium	39-2	3980621	3969613	3894557	3948263	1.19	cps
Rhodium	103-1	32629023	33105457	32788149	32840876	0.74	cps
Rhodium	103-2	12949538	12755432	12919608	12874859	0.81	cps
Scandium	45-1	26031595	26023595	26142443	26065877	0.25	cps
Scandium	45-2	681177	676838	684347	680787	0.55	cps
Selenium	82-1	-553	-637	-773	-655	-16.97	cps
Selenium	77-2	500	510	577	529	7.88	cps
Selenium	78-2	347	407	373	376	8.01	cps
Silicon	28-1	68846372	68179144	69882801	68969439	1.24	cps
Silver	107-1	18823	18618	18476	18639	0.94	cps
Silver	109-1	12072	12769	12349	12397	2.83	cps
Sodium	23-2	159073	157735	157419	158076	0.56	cps
Strontium	86-1	649180	655284	657436	653967	0.65	cps
Strontium	88-1	5727981	5759505	5840072	5775853	1.00	cps
Sulfur	34-1	687241	688559	693318	689706	0.46	cps
Terbium	159-1	48953376	48619601	48548978	48707318	0.44	cps
Terbium	159-2	17173175	17507908	17191788	17290957	1.09	cps
Thallium	203-1	13073	14218	14178	13823	4.70	cps
Thallium	205-1	32447	32995	33099	32847	1.07	cps
Tin	118-1	68899	69069	70494	69487	1.26	cps
Titanium	47-1	5128937	5236652	5165861	5177150	1.06	cps
Uranium	238-1	143028	146554	147526	145702	1.62	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-20	Instrumnet Name :	P8
Client Sample ID :	MYD5M7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:23:12	DataFile Name :	046AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1649823	1682804	1673978	1668868	1.02	cps
Ytterbium	172-1	58488	59171	59349	59003	0.77	cps
Ytterbium	172-2	25364	24817	24676	24953	1.46	cps
Ytterbium	176-1	48776	49794	50446	49672	1.69	cps
Ytterbium	176-2	78488	80772	80101	79787	1.47	cps
Yttrium	89-1	56677634	57167339	56323197	56722724	0.75	cps
Yttrium	89-2	5036640	4967075	4980709	4994808	0.74	cps
Zinc	66-2	305701	303178	304237	304372	0.42	cps
Zirconium	90-1	738591	755462	753515	749190	1.23	cps
Zirconium	91-1	165628	169320	167547	167498	1.10	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV008	Instrumnet Name :	P8
Client Sample ID :	CCV008	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:26:15	DataFile Name :	047CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10962692	10951986	11020059	10978246	0.33	cps
Antimony	121-1	12291900	12401685	12335029	12342871	0.45	cps
Arsenic	75-2	271047	272515	270821	271461	0.34	cps
Barium	135-1	18214271	18465480	18137759	18272503	0.94	cps
Barium	137-1	31300300	31267720	31411529	31326516	0.24	cps
Beryllium	9-1	4239468	4235004	4344496	4272989	1.45	cps
Bismuth	209-1	23663384	23935736	23834398	23811173	0.58	cps
Bismuth	209-2	10134038	8878995	10022689	9678574	7.18	cps
Bromine	81-1	20268	20852	20028	20383	2.08	cps
Cadmium	108-1	299897	298360	302700	300319	0.73	cps
Cadmium	106-1	451398	455161	456612	454390	0.59	cps
Cadmium	111-1	3475625	3525980	3473577	3491727	0.85	cps
Calcium	43-1	25655991	25778352	25900224	25778189	0.47	cps
Calcium	44-1	415042660	420323020	413693847	416353176	0.84	cps
Carbon	12-1	5616299	5761607	5833993	5737299	1.93	cps
Carbon	12-2	65227	65994	64742	65321	0.97	cps
Chlorine	35-1	6727003	6331194	5937483	6331893	6.23	cps
Chlorine	35-2	26942	25609	24411	25654	4.94	cps
Chromium	52-2	3670901	3717197	3728495	3705531	0.82	cps
Cobalt	59-2	6520194	6504122	6313814	6446044	1.78	cps
Copper	63-2	48530063	48653386	47732071	48305173	1.04	cps
Dysprosium	156-1	1873	1827	1730	1810	4.04	cps
Dysprosium	156-2	577	560	483	540	9.22	cps
Erbium	164-1	1003	1010	1013	1009	0.50	cps
Erbium	164-2	363	347	347	352	2.73	cps
Gadolinium	160-1	1203	1093	1167	1155	4.85	cps
Gadolinium	160-2	1013	917	953	961	5.08	cps
Holmium	165-1	43787538	44079044	44216108	44027563	0.50	cps
Holmium	165-2	16258488	14068790	15760900	15362726	7.47	cps
Indium	115-1	32019041	31685544	31662777	31789121	0.63	cps
Indium	115-2	4154986	3665348	4113208	3977847	6.82	cps
Iron	54-2	40136214	40525189	40332594	40331332	0.48	cps
Iron	56-2	728061136	736109402	726073483	730081340	0.73	cps
Iron	57-2	18456769	18878312	18313981	18549687	1.58	cps
Krypton	83-1	600	410	330	447	31.05	cps
Lead	206-1	58534852	58431981	58550442	58505759	0.11	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV008	Instrumnet Name :	P8
Client Sample ID :	CCV008	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:26:15	DataFile Name :	047CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	49853883	50134669	50092126	50026893	0.30	cps
Lead	208-1	231458307	233016792	232605237	232360112	0.35	cps
Lithium	6-1	16181830	15798326	16152626	16044261	1.33	cps
Magnesium	24-2	138537065	143845668	139083248	140488660	2.08	cps
Manganese	55-2	18910293	18962318	19050159	18974257	0.37	cps
Molybdenum	94-1	54770818	54205646	54483271	54486578	0.52	cps
Molybdenum	95-1	79794722	77715562	79733024	79081103	1.50	cps
Molybdenum	96-1	86488587	87680549	87004012	87057716	0.69	cps
Molybdenum	97-1	48950724	49486749	49077218	49171564	0.57	cps
Molybdenum	98-1	128220991	127300861	127976895	127832916	0.37	cps
Neodymium	150-1	3174	3400	3327	3300	3.51	cps
Neodymium	150-2	280	277	270	276	1.85	cps
Nickel	60-2	1718528	1713916	1719276	1717240	0.17	cps
Phosphorus	31-2	87565	87378	87850	87598	0.27	cps
Potassium	39-2	53117376	52182168	52984318	52761287	0.96	cps
Rhodium	103-1	28199605	27592174	27797785	27863188	1.11	cps
Rhodium	103-2	10915974	9643835	10830858	10463556	6.80	cps
Scandium	45-1	22806854	22372438	22420100	22533131	1.06	cps
Scandium	45-2	620998	542183	605659	589614	7.09	cps
Selenium	82-1	208356	210452	208201	209003	0.60	cps
Selenium	77-2	5848	5685	5554	5696	2.58	cps
Selenium	78-2	18482	19106	18699	18763	1.69	cps
Silicon	28-1	33190278	33525118	33435839	33383745	0.52	cps
Silver	107-1	17962739	17823335	17661314	17815796	0.85	cps
Silver	109-1	16165345	16021768	16297286	16161466	0.85	cps
Sodium	23-2	290563396	290813136	283653462	288343331	1.41	cps
Strontium	86-1	124218188	124992925	125018825	124743313	0.36	cps
Strontium	88-1	1068598011	1057816038	1093154944	1073189664	1.69	cps
Sulfur	34-1	2073936	2105781	2093401	2091039	0.77	cps
Terbium	159-1	44779528	43857178	44838654	44491787	1.24	cps
Terbium	159-2	15860756	13994659	15505311	15120242	6.55	cps
Thallium	203-1	14593089	14460861	14488636	14514195	0.48	cps
Thallium	205-1	34384737	33987780	34478599	34283705	0.76	cps
Tin	118-1	12197169	12475799	12383763	12352244	1.15	cps
Titanium	47-1	23628598	23738951	23513858	23627136	0.48	cps
Uranium	238-1	51249584	51989789	51444451	51561275	0.74	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV008	Instrumnet Name :	P8
Client Sample ID :	CCV008	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:26:15	DataFile Name :	047CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2980273	3001936	2958520	2980243	0.73	cps
Ytterbium	172-1	1017	1043	1137	1066	5.91	cps
Ytterbium	172-2	397	343	340	360	8.83	cps
Ytterbium	176-1	79380	81573	79873	80275	1.43	cps
Ytterbium	176-2	86941	79696	85994	84210	4.68	cps
Yttrium	89-1	49301083	49453291	50175736	49643370	0.94	cps
Yttrium	89-2	4674382	4031783	4608396	4438187	7.96	cps
Zinc	66-2	4796829	4795743	4778701	4790424	0.21	cps
Zirconium	90-1	26412393	26528853	26578785	26506677	0.32	cps
Zirconium	91-1	5922960	5863033	5881807	5889267	0.52	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB008	Instrumnet Name :	P8
Client Sample ID :	CCB008	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:29:08	DataFile Name :	048CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	420	300	303	341	20.04	cps
Antimony	121-1	4157	5735	8569	6154	36.33	cps
Arsenic	75-2	20	23	27	23	14.29	cps
Barium	135-1	920	633	600	718	24.51	cps
Barium	137-1	1483	1347	1063	1298	16.51	cps
Beryllium	9-1	1014	831	782	876	13.97	cps
Bismuth	209-1	30649525	30292975	30453396	30465299	0.59	cps
Bismuth	209-2	13331304	12989627	12775384	13032105	2.15	cps
Bromine	81-1	21126	21820	21533	21493	1.62	cps
Cadmium	108-1	97	113	90	100	12.02	cps
Cadmium	106-1	30454	30544	30781	30593	0.55	cps
Cadmium	111-1	21477	21471	21680	21543	0.55	cps
Calcium	43-1	1240	1437	1037	1238	16.16	cps
Calcium	44-1	26336	20214	19682	22077	16.75	cps
Carbon	12-1	4336312	4237942	4141637	4238630	2.30	cps
Carbon	12-2	40348	40529	40867	40581	0.65	cps
Chlorine	35-1	3234405	3062236	2908198	3068280	5.32	cps
Chlorine	35-2	13586	13166	12245	12999	5.28	cps
Chromium	52-2	1143	1220	1183	1182	3.24	cps
Cobalt	59-2	303	337	233	291	18.12	cps
Copper	63-2	5808	5554	5454	5606	3.25	cps
Dysprosium	156-1	310	223	247	260	17.25	cps
Dysprosium	156-2	23	13	23	20	28.87	cps
Erbium	164-1	363	297	320	327	10.36	cps
Erbium	164-2	133	120	113	122	8.34	cps
Gadolinium	160-1	590	533	510	544	7.56	cps
Gadolinium	160-2	757	817	817	797	4.35	cps
Holmium	165-1	48376671	49491916	48259388	48709325	1.40	cps
Holmium	165-2	17869563	18189972	17747374	17935636	1.27	cps
Indium	115-1	37126633	37723858	37547443	37465978	0.82	cps
Indium	115-2	4893994	4811242	4760587	4821941	1.40	cps
Iron	54-2	2484	2237	2124	2281	8.07	cps
Iron	56-2	35681	31505	28322	31836	11.59	cps
Iron	57-2	973	920	757	883	12.78	cps
Krypton	83-1	270	283	223	259	12.17	cps
Lead	206-1	5031	4851	3657	4513	16.55	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB008	Instrumnet Name :	P8
Client Sample ID :	CCB008	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:29:08	DataFile Name :	048CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4404	4174	3274	3951	15.12	cps
Lead	208-1	19810	18673	15164	17882	13.54	cps
Lithium	6-1	17634156	17409858	17292387	17445467	1.00	cps
Magnesium	24-2	2721	2474	1920	2372	17.28	cps
Manganese	55-2	2954	2807	2677	2813	4.92	cps
Molybdenum	94-1	3981	3851	4147	3993	3.73	cps
Molybdenum	95-1	3751	3867	3831	3816	1.57	cps
Molybdenum	96-1	4398	4051	5198	4549	12.94	cps
Molybdenum	97-1	2764	2010	2264	2346	16.34	cps
Molybdenum	98-1	6713	5565	6153	6143	9.35	cps
Neodymium	150-1	53	50	47	50	6.66	cps
Neodymium	150-2	10	3	0	4	114.60	cps
Nickel	60-2	327	330	273	310	10.26	cps
Phosphorus	31-2	287	343	273	301	12.34	cps
Potassium	39-2	18265	17601	17287	17718	2.82	cps
Rhodium	103-1	34598452	33920845	34293226	34270841	0.99	cps
Rhodium	103-2	13745373	13805828	13750011	13767070	0.24	cps
Scandium	45-1	24346770	24343415	24318784	24336323	0.06	cps
Scandium	45-2	642567	643573	639514	641885	0.33	cps
Selenium	82-1	-57	-33	20	-23	-168.43	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	27	17	30	24	28.38	cps
Silicon	28-1	710974	694137	691379	698830	1.52	cps
Silver	107-1	1673	1485	1082	1413	21.38	cps
Silver	109-1	1047	1043	947	1012	5.61	cps
Sodium	23-2	50474	48841	46732	48682	3.85	cps
Strontium	86-1	4181	3471	2487	3380	25.17	cps
Strontium	88-1	32672	26890	18684	26082	26.95	cps
Sulfur	34-1	666974	666809	668684	667489	0.16	cps
Terbium	159-1	49919463	49455528	48896014	49423668	1.04	cps
Terbium	159-2	17814740	17854960	17712712	17794137	0.41	cps
Thallium	203-1	3104	2797	2317	2739	14.48	cps
Thallium	205-1	7165	6465	6021	6551	8.80	cps
Tin	118-1	3274	3390	3300	3322	1.84	cps
Titanium	47-1	983	957	680	873	19.23	cps
Uranium	238-1	1597	1180	1080	1286	21.32	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB008	Instrumnet Name :	P8
Client Sample ID :	CCB008	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:29:08	DataFile Name :	048CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	83	83	70	79	9.76	cps
Ytterbium	172-1	263	303	320	296	9.85	cps
Ytterbium	172-2	150	143	140	144	3.52	cps
Ytterbium	176-1	11111	11212	11108	11144	0.53	cps
Ytterbium	176-2	65696	66560	67428	66561	1.30	cps
Yttrium	89-1	53956951	53551778	54903196	54137308	1.28	cps
Yttrium	89-2	4944819	4965694	4888921	4933144	0.80	cps
Zinc	66-2	2054	2020	2250	2108	5.90	cps
Zirconium	90-1	6155	5895	6158	6069	2.49	cps
Zirconium	91-1	1183	1133	1133	1150	2.51	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-21	Instrumnet Name :	P8
Client Sample ID :	MYD5M8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:32:25	DataFile Name :	049AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13889551	13736619	13631435	13752535	0.94	cps
Antimony	121-1	71697	73868	73851	73139	1.71	cps
Arsenic	75-2	172885	174152	174972	174003	0.60	cps
Barium	135-1	5770790	5925857	5825144	5840597	1.35	cps
Barium	137-1	9880943	9817974	10006649	9901855	0.97	cps
Beryllium	9-1	17751	18432	18176	18120	1.90	cps
Bismuth	209-1	28262190	28241298	28287520	28263670	0.08	cps
Bismuth	209-2	11957756	11848771	11953124	11919884	0.52	cps
Bromine	81-1	27106	28248	27250	27535	2.26	cps
Cadmium	108-1	2597	2784	2610	2664	3.91	cps
Cadmium	106-1	38066	38219	38216	38167	0.23	cps
Cadmium	111-1	37491	37324	38077	37631	1.05	cps
Calcium	43-1	857234	873742	876653	869210	1.20	cps
Calcium	44-1	14455557	14864631	14617218	14645802	1.41	cps
Carbon	12-1	8775197	8934183	9059313	8922898	1.60	cps
Carbon	12-2	88236	86626	87921	87594	0.97	cps
Chlorine	35-1	180586437	187984877	194306850	187626055	3.66	cps
Chlorine	35-2	992343	998447	1004395	998395	0.60	cps
Chromium	52-2	1249642	1257469	1255036	1254049	0.32	cps
Cobalt	59-2	1528452	1513812	1516294	1519519	0.52	cps
Copper	63-2	3754844	3750587	3757224	3754218	0.09	cps
Dysprosium	156-1	365916	378769	373373	372686	1.73	cps
Dysprosium	156-2	126620	126418	127471	126836	0.44	cps
Erbium	164-1	252362	258403	257684	256150	1.29	cps
Erbium	164-2	92331	92015	91905	92084	0.24	cps
Gadolinium	160-1	281411	284629	289056	285032	1.35	cps
Gadolinium	160-2	118686	119288	119365	119113	0.31	cps
Holmium	165-1	47797423	49034874	47640024	48157440	1.59	cps
Holmium	165-2	17839251	17735331	17593930	17722837	0.69	cps
Indium	115-1	35534210	35553292	35863029	35650177	0.52	cps
Indium	115-2	4533739	4592448	4653050	4593079	1.30	cps
Iron	54-2	75788614	76655444	75664131	76036063	0.71	cps
Iron	56-2	1386753366	1391675179	1391278166	1389902237	0.20	cps
Iron	57-2	35174599	35391974	34778839	35115138	0.89	cps
Krypton	83-1	817	680	713	737	9.67	cps
Lead	206-1	2485645	2509082	2531535	2508754	0.91	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-21	Instrumnet Name :	P8
Client Sample ID :	MYD5M8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:32:25	DataFile Name :	049AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2168287	2230247	2205956	2201497	1.42	cps
Lead	208-1	9932216	10084362	10025595	10014058	0.77	cps
Lithium	6-1	17837942	17859936	18396299	18031392	1.75	cps
Magnesium	24-2	19052520	18839778	18673514	18855271	1.01	cps
Manganese	55-2	39492032	39679134	39288814	39486660	0.49	cps
Molybdenum	94-1	292604	298576	299813	296998	1.30	cps
Molybdenum	95-1	45581	46176	46621	46126	1.13	cps
Molybdenum	96-1	102693	104254	105768	104238	1.48	cps
Molybdenum	97-1	27067	28175	28793	28012	3.12	cps
Molybdenum	98-1	71440	71965	71925	71777	0.41	cps
Neodymium	150-1	485075	491061	500810	492315	1.61	cps
Neodymium	150-2	136832	137856	137597	137428	0.39	cps
Nickel	60-2	494819	492989	498702	495503	0.59	cps
Phosphorus	31-2	18295	18679	18312	18428	1.18	cps
Potassium	39-2	4774463	4773541	4758426	4768810	0.19	cps
Rhodium	103-1	32208086	33315568	32345295	32622983	1.85	cps
Rhodium	103-2	12925016	13018096	13033604	12992239	0.45	cps
Scandium	45-1	26251240	27246875	26547933	26682016	1.92	cps
Scandium	45-2	712542	714455	715821	714273	0.23	cps
Selenium	82-1	533	740	623	632	16.39	cps
Selenium	77-2	497	627	630	584	13.01	cps
Selenium	78-2	483	477	523	494	5.10	cps
Silicon	28-1	73864727	73681254	75332434	74292805	1.22	cps
Silver	107-1	24186	24308	24786	24427	1.30	cps
Silver	109-1	17248	17414	17448	17370	0.62	cps
Sodium	23-2	230577	229815	228762	229718	0.40	cps
Strontium	86-1	734867	749847	750809	745174	1.20	cps
Strontium	88-1	6574328	6735781	6644283	6651464	1.22	cps
Sulfur	34-1	706789	711611	712448	710283	0.43	cps
Terbium	159-1	47939376	49378821	48257944	48525380	1.56	cps
Terbium	159-2	17385004	17198468	17654462	17412645	1.32	cps
Thallium	203-1	17175	16751	16444	16790	2.19	cps
Thallium	205-1	41005	40065	38791	39954	2.78	cps
Tin	118-1	72521	72695	72967	72727	0.31	cps
Titanium	47-1	5614046	5714976	5595242	5641421	1.14	cps
Uranium	238-1	155914	157463	158419	157265	0.80	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-21	Instrumnet Name :	P8
Client Sample ID :	MYD5M8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:32:25	DataFile Name :	049AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2473609	2458623	2511460	2481231	1.10	cps
Ytterbium	172-1	80100	80476	79420	79999	0.67	cps
Ytterbium	172-2	34682	34254	34903	34613	0.95	cps
Ytterbium	176-1	61295	63167	63535	62666	1.92	cps
Ytterbium	176-2	86105	87179	88799	87361	1.55	cps
Yttrium	89-1	57780817	58925844	57655831	58120831	1.20	cps
Yttrium	89-2	5184910	5182845	5270988	5212914	0.96	cps
Zinc	66-2	379133	374721	378707	377520	0.64	cps
Zirconium	90-1	743383	755316	760021	752907	1.14	cps
Zirconium	91-1	165577	168434	171643	168551	1.80	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-22	Instrumnet Name :	P8
Client Sample ID :	MYD5M9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:35:29	DataFile Name :	050AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9070532	9117677	8961542	9049917	0.88	cps
Antimony	121-1	126741	126290	127333	126788	0.41	cps
Arsenic	75-2	88174	86567	87644	87461	0.94	cps
Barium	135-1	4546796	4662281	4611351	4606809	1.26	cps
Barium	137-1	7727735	7803599	7793261	7774865	0.53	cps
Beryllium	9-1	15504	15458	15350	15438	0.51	cps
Bismuth	209-1	28098349	28126962	28164702	28130004	0.12	cps
Bismuth	209-2	11988485	11837004	11963354	11929614	0.68	cps
Bromine	81-1	24465	24452	25129	24682	1.57	cps
Cadmium	108-1	3000	2990	3070	3020	1.44	cps
Cadmium	106-1	38754	38537	38912	38734	0.49	cps
Cadmium	111-1	38525	38319	38369	38404	0.28	cps
Calcium	43-1	485955	490606	489403	488655	0.49	cps
Calcium	44-1	8267008	8116687	8172200	8185298	0.93	cps
Carbon	12-1	6741315	6781976	6857996	6793762	0.87	cps
Carbon	12-2	64909	65816	65080	65268	0.74	cps
Chlorine	35-1	126456528	130916241	132293675	129888815	2.35	cps
Chlorine	35-2	668082	662968	665399	665483	0.38	cps
Chromium	52-2	890886	897697	891438	893340	0.42	cps
Cobalt	59-2	1094403	1098499	1084688	1092530	0.65	cps
Copper	63-2	3596448	3531741	3560272	3562820	0.91	cps
Dysprosium	156-1	331371	329556	331713	330880	0.35	cps
Dysprosium	156-2	108976	109232	108100	108769	0.55	cps
Erbium	164-1	188266	189936	192143	190115	1.02	cps
Erbium	164-2	68033	68800	67979	68271	0.67	cps
Gadolinium	160-1	236308	234989	238686	236661	0.79	cps
Gadolinium	160-2	97023	98001	97892	97639	0.55	cps
Holmium	165-1	48159494	48766436	49194663	48706864	1.07	cps
Holmium	165-2	17513043	17300823	17488605	17434157	0.67	cps
Indium	115-1	35977233	35656291	35864332	35832618	0.45	cps
Indium	115-2	4723339	4576724	4604879	4634981	1.68	cps
Iron	54-2	93152309	92355299	92583395	92697001	0.44	cps
Iron	56-2	1710462321	1694951068	1684557042	1696656810	0.77	cps
Iron	57-2	43735794	43073634	43196901	43335443	0.81	cps
Krypton	83-1	623	650	633	636	2.12	cps
Lead	206-1	3117068	3113980	3118721	3116590	0.08	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-22	Instrumnet Name :	P8
Client Sample ID :	MYD5M9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:35:29	DataFile Name :	050AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2793899	2769993	2701990	2755294	1.73	cps
Lead	208-1	12486116	12459141	12385568	12443608	0.42	cps
Lithium	6-1	17964844	18040121	18037920	18014295	0.24	cps
Magnesium	24-2	12099111	11961764	11978434	12013103	0.62	cps
Manganese	55-2	37962304	37794342	37408951	37721866	0.75	cps
Molybdenum	94-1	388912	396352	398015	394426	1.23	cps
Molybdenum	95-1	46387	47163	47732	47094	1.43	cps
Molybdenum	96-1	121550	126735	124273	124186	2.09	cps
Molybdenum	97-1	27918	28823	28686	28476	1.71	cps
Molybdenum	98-1	72032	73711	73520	73088	1.26	cps
Neodymium	150-1	455634	456614	460753	457667	0.59	cps
Neodymium	150-2	125651	125151	126227	125677	0.43	cps
Nickel	60-2	349796	347446	348707	348650	0.34	cps
Phosphorus	31-2	15542	15669	15428	15546	0.77	cps
Potassium	39-2	4147908	4205097	4166913	4173306	0.70	cps
Rhodium	103-1	32652400	32765347	32990354	32802700	0.52	cps
Rhodium	103-2	13211870	13099047	12942396	13084438	1.03	cps
Scandium	45-1	25620785	25511862	25649305	25593984	0.28	cps
Scandium	45-2	686049	679780	678830	681553	0.58	cps
Selenium	82-1	347	393	453	398	13.44	cps
Selenium	77-2	520	487	547	518	5.81	cps
Selenium	78-2	360	410	360	377	7.66	cps
Silicon	28-1	48435994	47374396	47164096	47658162	1.43	cps
Silver	107-1	24597	24780	24973	24783	0.76	cps
Silver	109-1	18179	18616	18272	18356	1.25	cps
Sodium	23-2	162951	162176	160340	161822	0.83	cps
Strontium	86-1	535867	545249	546757	542624	1.09	cps
Strontium	88-1	4801300	4900642	4871155	4857699	1.05	cps
Sulfur	34-1	687483	690390	687287	688387	0.25	cps
Terbium	159-1	48979454	48799001	49042903	48940453	0.26	cps
Terbium	159-2	17407888	17146039	17218651	17257526	0.78	cps
Thallium	203-1	14595	14738	14842	14725	0.84	cps
Thallium	205-1	35455	35468	36127	35683	1.08	cps
Tin	118-1	68604	69103	69204	68970	0.47	cps
Titanium	47-1	5253850	5278657	5200342	5244283	0.76	cps
Uranium	238-1	141983	142874	143163	142673	0.43	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-22	Instrumnet Name :	P8
Client Sample ID :	MYD5M9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:35:29	DataFile Name :	050AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1624075	1596935	1585239	1602083	1.24	cps
Ytterbium	172-1	56122	56922	57370	56805	1.11	cps
Ytterbium	172-2	23978	23835	24302	24039	1.00	cps
Ytterbium	176-1	48499	48445	49235	48726	0.91	cps
Ytterbium	176-2	80282	80275	79994	80184	0.21	cps
Yttrium	89-1	56376602	57449079	57237392	57021025	1.00	cps
Yttrium	89-2	5233583	5119739	5089043	5147455	1.48	cps
Zinc	66-2	381085	378304	379888	379759	0.37	cps
Zirconium	90-1	1008467	1020991	1013010	1014156	0.63	cps
Zirconium	91-1	222878	225860	225676	224805	0.74	cps

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01	Instrumnet Name :	P8
Client Sample ID :	MYD5X1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:38:32	DataFile Name :	051AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5626969	5416091	5559178	5534079	1.95	cps
Antimony	121-1	30567	30855	31242	30888	1.10	cps
Arsenic	75-2	22678	22538	22157	22458	1.20	cps
Barium	135-1	2200435	2228957	2243397	2224263	0.98	cps
Barium	137-1	3765880	3826078	3815011	3802323	0.84	cps
Beryllium	9-1	11572	11743	11503	11606	1.07	cps
Bismuth	209-1	27572404	28998670	29424801	28665292	3.38	cps
Bismuth	209-2	12092207	12217512	12130585	12146768	0.53	cps
Bromine	81-1	26041	26856	26816	26571	1.73	cps
Cadmium	108-1	1250	1150	1363	1255	8.51	cps
Cadmium	106-1	32689	35419	35379	34495	4.54	cps
Cadmium	111-1	27522	30116	29762	29133	4.83	cps
Calcium	43-1	1481943	1507453	1489341	1492912	0.88	cps
Calcium	44-1	24217510	24440170	23879407	24179029	1.17	cps
Carbon	12-1	6758858	6979054	7005748	6914553	1.96	cps
Carbon	12-2	66516	65920	66429	66288	0.49	cps
Chlorine	35-1	220126223	227203337	230818643	226049401	2.41	cps
Chlorine	35-2	1199981	1146221	1209121	1185108	2.87	cps
Chromium	52-2	327527	327599	325069	326732	0.44	cps
Cobalt	59-2	336005	337224	336852	336694	0.19	cps
Copper	63-2	792417	792029	786775	790407	0.40	cps
Dysprosium	156-1	252005	250589	253058	251884	0.49	cps
Dysprosium	156-2	86471	86725	86115	86437	0.35	cps
Erbium	164-1	183415	187624	188000	186347	1.37	cps
Erbium	164-2	65377	65541	65728	65548	0.27	cps
Gadolinium	160-1	199977	201965	199456	200466	0.66	cps
Gadolinium	160-2	83489	81661	82298	82483	1.12	cps
Holmium	165-1	46166274	49653574	49443079	48420976	4.04	cps
Holmium	165-2	17652485	17482214	17338283	17490994	0.90	cps
Indium	115-1	34664629	37552894	36883662	36367061	4.16	cps
Indium	115-2	4600839	4529749	4514302	4548297	1.01	cps
Iron	54-2	18922613	18742886	18564523	18743341	0.96	cps
Iron	56-2	339104595	339312608	334443375	337620193	0.82	cps
Iron	57-2	8642087	8690139	8435749	8589325	1.57	cps
Krypton	83-1	587	747	717	683	12.45	cps
Lead	206-1	1977550	1977290	2030314	1995051	1.53	cps

Reviewed By:mohan
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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01	Instrumnet Name :	P8
Client Sample ID :	MYD5X1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:38:32	DataFile Name :	051AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1778380	1760702	1737944	1759009	1.15	cps
Lead	208-1	7972335	7912563	7906072	7930324	0.46	cps
Lithium	6-1	16795389	18216144	18564998	17858844	5.25	cps
Magnesium	24-2	6934573	6822588	6750913	6836025	1.35	cps
Manganese	55-2	4890285	4847833	4797372	4845163	0.96	cps
Molybdenum	94-1	147296	149676	148106	148359	0.82	cps
Molybdenum	95-1	12566	12739	12733	12679	0.78	cps
Molybdenum	96-1	39977	40432	40435	40282	0.65	cps
Molybdenum	97-1	7802	7959	8473	8078	4.34	cps
Molybdenum	98-1	20308	20428	20378	20372	0.30	cps
Neodymium	150-1	348614	355511	353240	352455	1.00	cps
Neodymium	150-2	96457	96058	95192	95902	0.67	cps
Nickel	60-2	159061	158091	154970	157374	1.36	cps
Phosphorus	31-2	13403	13790	13840	13678	1.75	cps
Potassium	39-2	2245347	2312997	2250073	2269473	1.66	cps
Rhodium	103-1	31801137	33991575	33414034	33068915	3.43	cps
Rhodium	103-2	13240539	13028668	13086287	13118498	0.84	cps
Scandium	45-1	23908019	25278787	24868876	24685227	2.85	cps
Scandium	45-2	649013	647380	635081	643825	1.18	cps
Selenium	82-1	400	383	303	362	14.26	cps
Selenium	77-2	443	353	417	404	11.43	cps
Selenium	78-2	353	340	353	349	2.21	cps
Silicon	28-1	82435757	80423724	83175679	82011720	1.74	cps
Silver	107-1	20234	20320	20914	20490	1.81	cps
Silver	109-1	14348	14381	14454	14394	0.38	cps
Sodium	23-2	341175	339537	333944	338219	1.12	cps
Strontium	86-1	706991	701684	703689	704121	0.38	cps
Strontium	88-1	6319892	6310230	6331140	6320420	0.17	cps
Sulfur	34-1	707524	704081	704917	705508	0.25	cps
Terbium	159-1	46441324	50069744	49332246	48614438	3.94	cps
Terbium	159-2	17134908	17185566	17195311	17171928	0.19	cps
Thallium	203-1	8133	8163	8293	8196	1.04	cps
Thallium	205-1	20166	19822	19832	19940	0.98	cps
Tin	118-1	115192	116975	116722	116296	0.83	cps
Titanium	47-1	4659379	4705782	4594563	4653241	1.20	cps
Uranium	238-1	118405	120340	119509	119418	0.81	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01	Instrumnet Name :	P8
Client Sample ID :	MYD5X1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:38:32	DataFile Name :	051AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	552154	549549	548273	549992	0.36	cps
Ytterbium	172-1	57230	57909	58067	57735	0.77	cps
Ytterbium	172-2	25177	24920	24112	24737	2.25	cps
Ytterbium	176-1	47833	48231	49281	48448	1.54	cps
Ytterbium	176-2	79873	78930	80104	79636	0.78	cps
Yttrium	89-1	53946656	58506264	57361866	56604929	4.19	cps
Yttrium	89-2	5069733	4967425	5002449	5013202	1.04	cps
Zinc	66-2	245239	245970	242019	244409	0.86	cps
Zirconium	90-1	385121	389131	392178	388810	0.91	cps
Zirconium	91-1	85651	86873	87757	86760	1.22	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-02	Instrumnet Name :	P8
Client Sample ID :	MYD5X1D	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:41:43	DataFile Name :	052AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5865475	5849213	5939520	5884736	0.82	cps
Antimony	121-1	32428	32525	32235	32396	0.46	cps
Arsenic	75-2	23637	23306	23683	23542	0.87	cps
Barium	135-1	2347221	2296793	2304519	2316177	1.17	cps
Barium	137-1	3978197	3897856	3888939	3921664	1.25	cps
Beryllium	9-1	11979	12193	12240	12137	1.15	cps
Bismuth	209-1	28703137	29030372	29087247	28940252	0.72	cps
Bismuth	209-2	12022409	12373646	11521188	11972414	3.58	cps
Bromine	81-1	26592	27040	27140	26924	1.08	cps
Cadmium	108-1	1333	1280	1430	1348	5.64	cps
Cadmium	106-1	34252	34446	34587	34428	0.49	cps
Cadmium	111-1	29218	29404	29334	29319	0.32	cps
Calcium	43-1	1525220	1554285	1523420	1534308	1.13	cps
Calcium	44-1	25212820	25471390	25421109	25368440	0.54	cps
Carbon	12-1	6897533	6996151	7077349	6990344	1.29	cps
Carbon	12-2	68445	68649	66533	67876	1.72	cps
Chlorine	35-1	217929777	222117623	227483383	222510261	2.15	cps
Chlorine	35-2	1133286	1137953	1144885	1138708	0.51	cps
Chromium	52-2	338576	342284	342986	341282	0.69	cps
Cobalt	59-2	359979	359475	363285	360913	0.57	cps
Copper	63-2	846877	851570	855104	851184	0.48	cps
Dysprosium	156-1	264519	266274	263328	264707	0.56	cps
Dysprosium	156-2	91269	91873	92142	91762	0.49	cps
Erbium	164-1	194883	195366	195910	195386	0.26	cps
Erbium	164-2	69085	69319	69892	69432	0.60	cps
Gadolinium	160-1	209807	212130	211846	211261	0.60	cps
Gadolinium	160-2	86884	88494	88347	87908	1.01	cps
Holmium	165-1	49502858	48093728	48150659	48582415	1.64	cps
Holmium	165-2	17376464	17997240	16631578	17335094	3.94	cps
Indium	115-1	36523465	35843195	36311205	36225955	0.96	cps
Indium	115-2	4528165	4684472	4324001	4512213	4.01	cps
Iron	54-2	19287281	19453664	19661046	19467330	0.96	cps
Iron	56-2	362572621	354784141	358687795	358681519	1.09	cps
Iron	57-2	9097311	8915675	9003749	9005579	1.01	cps
Krypton	83-1	780	687	627	698	11.07	cps
Lead	206-1	2187468	2126711	2120487	2144889	1.73	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-02	Instrumnet Name :	P8
Client Sample ID :	MYD5X1D	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:41:43	DataFile Name :	052AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1950114	1908219	1873432	1910589	2.01	cps
Lead	208-1	8733765	8586966	8515334	8612021	1.29	cps
Lithium	6-1	17754662	18016510	18255489	18008887	1.39	cps
Magnesium	24-2	7080369	7031533	7071308	7061070	0.37	cps
Manganese	55-2	5007354	5048841	5089618	5048604	0.81	cps
Molybdenum	94-1	157453	159004	159868	158775	0.77	cps
Molybdenum	95-1	13603	13070	13463	13379	2.07	cps
Molybdenum	96-1	42879	42859	43127	42955	0.35	cps
Molybdenum	97-1	8326	8092	8002	8140	2.05	cps
Molybdenum	98-1	21467	21089	21250	21269	0.89	cps
Neodymium	150-1	366930	371459	370280	369556	0.64	cps
Neodymium	150-2	100942	99576	101900	100806	1.16	cps
Nickel	60-2	164731	163909	165867	164836	0.60	cps
Phosphorus	31-2	14738	14234	13857	14276	3.10	cps
Potassium	39-2	2353169	2319322	2368039	2346843	1.06	cps
Rhodium	103-1	32950730	33454740	33364262	33256577	0.81	cps
Rhodium	103-2	13216123	13651138	12500118	13122460	4.43	cps
Scandium	45-1	24832710	24721077	24939669	24831152	0.44	cps
Scandium	45-2	643138	657695	609054	636629	3.92	cps
Selenium	82-1	303	350	373	342	10.41	cps
Selenium	77-2	443	370	430	414	9.43	cps
Selenium	78-2	333	340	397	357	9.76	cps
Silicon	28-1	83944879	84804287	84951995	84567054	0.64	cps
Silver	107-1	20914	21211	21960	21362	2.52	cps
Silver	109-1	14801	14588	14591	14660	0.83	cps
Sodium	23-2	357078	359382	359104	358521	0.35	cps
Strontium	86-1	736765	740160	737552	738159	0.24	cps
Strontium	88-1	6493560	6518692	6545092	6519114	0.40	cps
Sulfur	34-1	700435	699271	697053	698919	0.25	cps
Terbium	159-1	49951229	49013438	49116139	49360269	1.04	cps
Terbium	159-2	17235694	17750596	16427685	17137992	3.89	cps
Thallium	203-1	8363	8633	8139	8378	2.95	cps
Thallium	205-1	19658	20209	20209	20026	1.59	cps
Tin	118-1	132712	133220	134836	133589	0.83	cps
Titanium	47-1	4861142	4810105	4807843	4826363	0.62	cps
Uranium	238-1	125792	128498	128552	127614	1.24	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-02	Instrumnet Name :	P8
Client Sample ID :	MYD5X1D	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:41:43	DataFile Name :	052AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	580685	584062	583997	582915	0.33	cps
Ytterbium	172-1	60745	60471	61197	60804	0.60	cps
Ytterbium	172-2	25892	26433	25939	26088	1.15	cps
Ytterbium	176-1	50433	50222	50272	50309	0.22	cps
Ytterbium	176-2	80527	81054	77861	79814	2.14	cps
Yttrium	89-1	56520746	56442787	56747912	56570482	0.28	cps
Yttrium	89-2	5034726	5123102	4728799	4962209	4.17	cps
Zinc	66-2	257812	258104	259421	258446	0.33	cps
Zirconium	90-1	410868	415052	423250	416390	1.51	cps
Zirconium	91-1	91269	93971	94015	93085	1.69	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD5X1L	Dilution Factor :	5
Date & Time Acquired :	2024-10-04 16:44:47	DataFile Name :	053AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1023628	1019084	1008088	1016933	0.79	cps
Antimony	121-1	5831	5865	5688	5795	1.62	cps
Arsenic	75-2	4124	4137	4404	4222	3.74	cps
Barium	135-1	400964	399177	398702	399614	0.30	cps
Barium	137-1	698329	695361	699780	697823	0.32	cps
Beryllium	9-1	2383	2321	2403	2369	1.82	cps
Bismuth	209-1	29699657	29396208	29191556	29429140	0.87	cps
Bismuth	209-2	12667976	12499700	12337495	12501724	1.32	cps
Bromine	81-1	22038	22044	22629	22237	1.53	cps
Cadmium	108-1	310	267	317	298	9.12	cps
Cadmium	106-1	31259	30273	30006	30513	2.16	cps
Cadmium	111-1	22901	22075	21949	22308	2.32	cps
Calcium	43-1	259824	262982	263010	261938	0.70	cps
Calcium	44-1	4425133	4405388	4365671	4398731	0.69	cps
Carbon	12-1	4677104	4665012	4585408	4642508	1.07	cps
Carbon	12-2	44360	43979	44049	44129	0.46	cps
Chlorine	35-1	46613264	47052291	47236418	46967324	0.68	cps
Chlorine	35-2	235926	231011	229373	232103	1.47	cps
Chromium	52-2	61555	61120	61474	61383	0.38	cps
Cobalt	59-2	63200	64040	62677	63305	1.09	cps
Copper	63-2	156883	153122	153688	154564	1.31	cps
Dysprosium	156-1	46537	47333	47608	47159	1.18	cps
Dysprosium	156-2	16807	16457	16210	16491	1.82	cps
Erbium	164-1	35150	35009	35638	35266	0.94	cps
Erbium	164-2	12386	12790	12316	12497	2.05	cps
Gadolinium	160-1	37820	37609	38067	37832	0.61	cps
Gadolinium	160-2	16474	16537	16801	16604	1.04	cps
Holmium	165-1	48072258	47560169	47988303	47873577	0.57	cps
Holmium	165-2	17456261	17377886	17187851	17340666	0.80	cps
Indium	115-1	35781552	35695623	36040516	35839231	0.50	cps
Indium	115-2	4574823	4613216	4503885	4563974	1.22	cps
Iron	54-2	3578153	3479613	3422657	3493474	2.25	cps
Iron	56-2	64600279	63533106	64214699	64116028	0.84	cps
Iron	57-2	1623941	1588675	1625622	1612746	1.29	cps
Krypton	83-1	437	403	477	439	8.37	cps
Lead	206-1	362810	365608	368981	365799	0.84	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD5X1L	Dilution Factor :	5
Date & Time Acquired :	2024-10-04 16:44:47	DataFile Name :	053AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	326516	325408	329049	326991	0.57	cps
Lead	208-1	1467753	1478375	1479687	1475272	0.44	cps
Lithium	6-1	16892379	17250309	17331617	17158102	1.36	cps
Magnesium	24-2	1301223	1304415	1260471	1288703	1.90	cps
Manganese	55-2	882279	870545	866670	873165	0.93	cps
Molybdenum	94-1	28045	27958	28897	28300	1.83	cps
Molybdenum	95-1	2377	2427	2697	2500	6.89	cps
Molybdenum	96-1	7756	7916	7879	7850	1.07	cps
Molybdenum	97-1	1560	1490	1523	1525	2.30	cps
Molybdenum	98-1	3977	3894	3934	3935	1.06	cps
Neodymium	150-1	65526	66091	66387	66001	0.66	cps
Neodymium	150-2	18483	17969	17628	18027	2.39	cps
Nickel	60-2	30352	29808	30179	30113	0.92	cps
Phosphorus	31-2	2910	2674	2777	2787	4.26	cps
Potassium	39-2	415150	415334	416065	415517	0.12	cps
Rhodium	103-1	33922425	33722655	33311585	33652222	0.93	cps
Rhodium	103-2	13378374	13160464	13236129	13258322	0.83	cps
Scandium	45-1	23826713	23623745	23820443	23756967	0.49	cps
Scandium	45-2	624103	614572	618418	619031	0.77	cps
Selenium	82-1	-80	-90	-93	-88	-7.90	cps
Selenium	77-2	70	90	73	78	13.78	cps
Selenium	78-2	73	80	53	69	20.15	cps
Silicon	28-1	15592825	15424213	15344121	15453720	0.82	cps
Silver	107-1	4078	4158	4177	4138	1.26	cps
Silver	109-1	2770	2744	3054	2856	6.02	cps
Sodium	23-2	84831	83567	83132	83843	1.05	cps
Strontium	86-1	130135	130647	130414	130399	0.20	cps
Strontium	88-1	1126526	1117298	1120398	1121407	0.42	cps
Sulfur	34-1	635481	633152	631990	633541	0.28	cps
Terbium	159-1	48618299	48222733	47715691	48185574	0.94	cps
Terbium	159-2	17489915	17146897	17114415	17250409	1.21	cps
Thallium	203-1	2024	1863	1777	1888	6.63	cps
Thallium	205-1	4774	4678	4417	4623	3.99	cps
Tin	118-1	28181	24171	24639	25664	8.54	cps
Titanium	47-1	825157	832608	827120	828295	0.47	cps
Uranium	238-1	22657	22824	23014	22832	0.78	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD5X1L	Dilution Factor :	5
Date & Time Acquired :	2024-10-04 16:44:47	DataFile Name :	053AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	103762	101154	99888	101601	1.94	cps
Ytterbium	172-1	11188	10731	10718	10879	2.46	cps
Ytterbium	172-2	4588	4804	4631	4674	2.45	cps
Ytterbium	176-1	17899	17368	18076	17781	2.07	cps
Ytterbium	176-2	67458	68074	68275	67936	0.63	cps
Yttrium	89-1	53643899	53442739	53794259	53626966	0.33	cps
Yttrium	89-2	4845424	4770848	4762741	4793004	0.95	cps
Zinc	66-2	48476	47847	47974	48099	0.69	cps
Zirconium	90-1	72768	74571	72876	73405	1.38	cps
Zirconium	91-1	16213	16316	16263	16264	0.32	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-03	Instrumnet Name :	P8
Client Sample ID :	MYD5X1S	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:48:02	DataFile Name :	054AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6038677	5833395	5914112	5928728	1.74	cps
Antimony	121-1	1704417	1688245	1715028	1702563	0.79	cps
Arsenic	75-2	36430	35906	35708	36015	1.04	cps
Barium	135-1	11632989	11429913	11683220	11582041	1.16	cps
Barium	137-1	19644990	19669289	20138116	19817465	1.40	cps
Beryllium	9-1	253572	252743	252318	252878	0.25	cps
Bismuth	209-1	28538375	28823258	28870263	28743965	0.62	cps
Bismuth	209-2	11808974	11821392	11968538	11866301	0.75	cps
Bromine	81-1	25797	26205	26565	26189	1.47	cps
Cadmium	108-1	15676	15772	16176	15875	1.67	cps
Cadmium	106-1	54380	53871	53861	54037	0.55	cps
Cadmium	111-1	252276	252634	251045	251985	0.33	cps
Calcium	43-1	1525073	1536097	1549264	1536812	0.79	cps
Calcium	44-1	24599207	24452245	24156425	24402626	0.92	cps
Carbon	12-1	6551125	6635536	6738919	6641860	1.42	cps
Carbon	12-2	64785	64373	63915	64358	0.68	cps
Chlorine	35-1	219344450	224008070	226201603	223184708	1.57	cps
Chlorine	35-2	1152759	1149445	1189032	1163745	1.89	cps
Chromium	52-2	1208479	1213146	1209073	1210232	0.21	cps
Cobalt	59-2	4525321	4495060	4438864	4486415	0.98	cps
Copper	63-2	2361792	2395883	2340368	2366014	1.18	cps
Dysprosium	156-1	263172	259460	263238	261957	0.83	cps
Dysprosium	156-2	89239	90225	90188	89884	0.62	cps
Erbium	164-1	194839	193081	195516	194479	0.65	cps
Erbium	164-2	69152	68703	68536	68797	0.46	cps
Gadolinium	160-1	207309	208985	209490	208594	0.55	cps
Gadolinium	160-2	85509	86485	85264	85752	0.75	cps
Holmium	165-1	48717441	47530564	47360143	47869383	1.54	cps
Holmium	165-2	17387233	17178023	17134578	17233278	0.78	cps
Indium	115-1	35213659	36002605	35158124	35458130	1.33	cps
Indium	115-2	4507495	4473293	4452000	4477596	0.63	cps
Iron	54-2	19491413	19818823	19266442	19525559	1.42	cps
Iron	56-2	352820421	350463821	351318795	351534346	0.34	cps
Iron	57-2	9022143	9076310	8794531	8964328	1.67	cps
Krypton	83-1	587	713	563	621	13.00	cps
Lead	206-1	2437296	2436470	2447199	2440322	0.24	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-03	Instrumnet Name :	P8
Client Sample ID :	MYD5X1S	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:48:02	DataFile Name :	054AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2152633	2146259	2139125	2146006	0.31	cps
Lead	208-1	9766255	9728650	9713191	9736032	0.28	cps
Lithium	6-1	17344763	17495339	17990646	17610249	1.92	cps
Magnesium	24-2	7047616	6838238	6981549	6955801	1.54	cps
Manganese	55-2	6032314	6008900	6021871	6021028	0.19	cps
Molybdenum	94-1	155144	156024	156263	155810	0.38	cps
Molybdenum	95-1	13383	13573	13567	13508	0.80	cps
Molybdenum	96-1	42211	40964	42829	42001	2.26	cps
Molybdenum	97-1	8429	8536	8563	8509	0.83	cps
Molybdenum	98-1	21276	21059	21433	21256	0.88	cps
Neodymium	150-1	373578	363226	365924	367576	1.46	cps
Neodymium	150-2	98290	99519	98250	98686	0.73	cps
Nickel	60-2	1235018	1228882	1220008	1227969	0.61	cps
Phosphorus	31-2	14387	13833	14240	14154	2.03	cps
Potassium	39-2	2327463	2286629	2334769	2316287	1.12	cps
Rhodium	103-1	33139257	31974426	32652992	32588892	1.80	cps
Rhodium	103-2	13015996	12841581	12835297	12897624	0.80	cps
Scandium	45-1	24331193	24101810	24132742	24188582	0.51	cps
Scandium	45-2	633592	630130	625768	629830	0.62	cps
Selenium	82-1	29516	29492	29663	29557	0.31	cps
Selenium	77-2	1200	1100	1127	1142	4.53	cps
Selenium	78-2	2837	2800	2797	2811	0.79	cps
Silicon	28-1	83898869	85505742	85151762	84852124	1.00	cps
Silver	107-1	1194117	1176684	1189483	1186761	0.76	cps
Silver	109-1	1133644	1122482	1136151	1130759	0.64	cps
Sodium	23-2	336981	338565	336588	337378	0.31	cps
Strontium	86-1	725954	728702	729009	727888	0.23	cps
Strontium	88-1	6586293	6598208	6376747	6520416	1.91	cps
Sulfur	34-1	677470	678197	676807	677492	0.10	cps
Terbium	159-1	50113674	48109989	48913781	49045815	2.06	cps
Terbium	159-2	17135729	16911601	16935579	16994303	0.72	cps
Thallium	203-1	983106	983653	991310	986023	0.47	cps
Thallium	205-1	2415824	2478042	2448632	2447499	1.27	cps
Tin	118-1	124486	125761	125472	125240	0.53	cps
Titanium	47-1	4722017	4675531	4656056	4684535	0.72	cps
Uranium	238-1	125718	125368	126869	125985	0.62	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-03	Instrumnet Name :	P8
Client Sample ID :	MYD5X1S	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:48:02	DataFile Name :	054AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2350946	2382699	2358558	2364067	0.70	cps
Ytterbium	172-1	61043	60819	60002	60621	0.90	cps
Ytterbium	172-2	25715	25060	26122	25633	2.09	cps
Ytterbium	176-1	50573	50887	49439	50300	1.51	cps
Ytterbium	176-2	78619	79950	80617	79729	1.28	cps
Yttrium	89-1	56064949	55540176	55489998	55698374	0.57	cps
Yttrium	89-2	4879549	4995607	4810832	4895329	1.91	cps
Zinc	66-2	546600	547147	543018	545588	0.41	cps
Zirconium	90-1	406536	408624	410755	408638	0.52	cps
Zirconium	91-1	91383	90719	91642	91248	0.52	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD5X1SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:51:02	DataFile Name :	055AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6402152	6383712	6222641	6336168	1.56	cps
Antimony	121-1	7782229	7765187	7751522	7766313	0.20	cps
Arsenic	75-2	83375	84109	82761	83415	0.81	cps
Barium	135-1	45101049	45078551	45838898	45339499	0.95	cps
Barium	137-1	77851474	77332582	77884299	77689452	0.40	cps
Beryllium	9-1	1188310	1155990	1159731	1168010	1.51	cps
Bismuth	209-1	28517795	28665025	28811726	28664848	0.51	cps
Bismuth	209-2	11954937	11819638	12172432	11982336	1.49	cps
Bromine	81-1	25083	26368	26141	25864	2.65	cps
Cadmium	108-1	71842	71604	71001	71483	0.61	cps
Cadmium	106-1	128166	127620	128717	128167	0.43	cps
Cadmium	111-1	1091179	1094321	1095896	1093799	0.22	cps
Calcium	43-1	1439905	1430206	1437151	1435754	0.35	cps
Calcium	44-1	22975280	23084997	23227166	23095815	0.55	cps
Carbon	12-1	6594603	6748723	6722087	6688471	1.23	cps
Carbon	12-2	65304	64577	64343	64742	0.77	cps
Chlorine	35-1	213642563	216266083	219216763	216375137	1.29	cps
Chlorine	35-2	1082738	1081858	1070839	1078478	0.61	cps
Chromium	52-2	4623123	4543570	4478160	4548284	1.60	cps
Cobalt	59-2	19353476	19398687	19383490	19378551	0.12	cps
Copper	63-2	7754336	7900412	7762380	7805709	1.05	cps
Dysprosium	156-1	245527	251737	248627	248630	1.25	cps
Dysprosium	156-2	84052	85857	84029	84646	1.24	cps
Erbium	164-1	183540	186055	182910	184168	0.90	cps
Erbium	164-2	63886	65099	63742	64242	1.16	cps
Gadolinium	160-1	198248	199082	197426	198252	0.42	cps
Gadolinium	160-2	80618	81936	80870	81141	0.86	cps
Holmium	165-1	47890228	47891993	48228858	48003693	0.41	cps
Holmium	165-2	17311906	17199598	17288521	17266675	0.34	cps
Indium	115-1	34954168	36042565	35726349	35574361	1.57	cps
Indium	115-2	4507033	4429139	4478543	4471571	0.88	cps
Iron	54-2	19195936	18908668	18413765	18839456	2.10	cps
Iron	56-2	347155328	339631982	343503622	343430310	1.10	cps
Iron	57-2	8687838	8791457	8625334	8701543	0.96	cps
Krypton	83-1	693	833	773	767	9.16	cps
Lead	206-1	3607333	3578020	3542531	3575961	0.91	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD5X1SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:51:02	DataFile Name :	055AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3130471	3214988	3101255	3148905	1.88	cps
Lead	208-1	14226982	14513018	14113890	14284630	1.44	cps
Lithium	6-1	17245906	17192602	17428502	17289003	0.72	cps
Magnesium	24-2	6505086	6397956	6437553	6446865	0.84	cps
Manganese	55-2	9884320	9606341	9725590	9738750	1.43	cps
Molybdenum	94-1	145970	148940	148365	147758	1.07	cps
Molybdenum	95-1	12726	12699	12719	12715	0.11	cps
Molybdenum	96-1	41442	40649	39586	40559	2.30	cps
Molybdenum	97-1	7806	7766	7859	7810	0.60	cps
Molybdenum	98-1	21330	21160	21660	21383	1.19	cps
Neodymium	150-1	354472	355702	351407	353860	0.63	cps
Neodymium	150-2	93664	93956	93251	93623	0.38	cps
Nickel	60-2	5410426	5429199	5304801	5381475	1.25	cps
Phosphorus	31-2	12882	13259	12906	13016	1.62	cps
Potassium	39-2	2198043	2150854	2159932	2169610	1.15	cps
Rhodium	103-1	32354645	32693535	32179910	32409363	0.81	cps
Rhodium	103-2	12865087	12848441	12842543	12852024	0.09	cps
Scandium	45-1	24028182	23926641	23990430	23981751	0.21	cps
Scandium	45-2	620877	625677	619147	621900	0.54	cps
Selenium	82-1	142553	143682	145628	143954	1.08	cps
Selenium	77-2	3897	3971	3847	3905	1.59	cps
Selenium	78-2	11862	12029	12179	12023	1.32	cps
Silicon	28-1	80817709	79467457	78225557	79503574	1.63	cps
Silver	107-1	5546629	5709782	5596627	5617679	1.49	cps
Silver	109-1	5928590	5246577	5451135	5542101	6.32	cps
Sodium	23-2	314728	315781	313153	314554	0.42	cps
Strontium	86-1	682885	685106	682367	683453	0.21	cps
Strontium	88-1	6144522	6058230	6063453	6088735	0.79	cps
Sulfur	34-1	661942	662608	657089	660546	0.46	cps
Terbium	159-1	48468483	48051149	49025966	48515199	1.01	cps
Terbium	159-2	17022040	17078556	16951802	17017466	0.37	cps
Thallium	203-1	4802630	4723802	4839220	4788551	1.23	cps
Thallium	205-1	11557726	11384276	11327839	11423280	1.05	cps
Tin	118-1	116013	116013	115875	115967	0.07	cps
Titanium	47-1	4472399	4470403	4509239	4484014	0.49	cps
Uranium	238-1	118910	119842	119953	119568	0.48	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD5X1SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 16:51:02	DataFile Name :	055AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	8597221	8598467	8427878	8541189	1.15	cps
Ytterbium	172-1	57253	58073	56885	57404	1.06	cps
Ytterbium	172-2	24015	24369	24232	24206	0.74	cps
Ytterbium	176-1	47421	47662	46896	47327	0.83	cps
Ytterbium	176-2	76892	78351	78589	77944	1.18	cps
Yttrium	89-1	54866158	55027648	54800226	54898010	0.21	cps
Yttrium	89-2	4869528	4816492	4800096	4828705	0.75	cps
Zinc	66-2	1645642	1655256	1681404	1660767	1.11	cps
Zirconium	90-1	384439	379328	382502	382090	0.68	cps
Zirconium	91-1	86928	86463	86701	86697	0.27	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 16:53:56	DataFile Name :	056AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1472261	1472307	1476722	1473764	0.17	cps
Antimony	121-1	9163	9774	10654	9864	7.60	cps
Arsenic	75-2	5931	6385	6031	6116	3.90	cps
Barium	135-1	574101	577432	575133	575555	0.30	cps
Barium	137-1	1009591	1015597	1004446	1009878	0.55	cps
Beryllium	9-1	3434	3472	3413	3440	0.87	cps
Bismuth	209-1	29692798	28786885	29260784	29246822	1.55	cps
Bismuth	209-2	12462269	12204838	12517796	12394967	1.35	cps
Bromine	81-1	22415	21957	22268	22213	1.05	cps
Cadmium	108-1	423	430	373	409	7.57	cps
Cadmium	106-1	30654	31012	30320	30662	1.13	cps
Cadmium	111-1	22952	23111	22559	22874	1.24	cps
Calcium	43-1	372053	371136	371789	371659	0.13	cps
Calcium	44-1	6262779	6246912	6238647	6249446	0.20	cps
Carbon	12-1	4763761	4743468	4744245	4750491	0.24	cps
Carbon	12-2	45831	45677	45169	45559	0.76	cps
Chlorine	35-1	62395044	64663292	64608386	63888907	2.03	cps
Chlorine	35-2	318299	316679	318119	317699	0.28	cps
Chromium	52-2	86901	87304	87083	87096	0.23	cps
Cobalt	59-2	90317	90545	89093	89985	0.87	cps
Copper	63-2	216109	218340	218786	217745	0.66	cps
Dysprosium	156-1	67693	66826	67657	67392	0.73	cps
Dysprosium	156-2	23888	23661	23227	23592	1.42	cps
Erbium	164-1	50686	50542	51472	50900	0.98	cps
Erbium	164-2	17869	18206	17565	17880	1.79	cps
Gadolinium	160-1	53982	53851	54431	54088	0.56	cps
Gadolinium	160-2	22406	22663	22683	22584	0.68	cps
Holmium	165-1	48044284	47753751	48282256	48026764	0.55	cps
Holmium	165-2	17579079	17442315	17423622	17481672	0.49	cps
Indium	115-1	35300548	35963859	35223947	35496118	1.15	cps
Indium	115-2	4582406	4491411	4494049	4522622	1.15	cps
Iron	54-2	4921105	4984733	4908966	4938268	0.82	cps
Iron	56-2	89843882	89052212	90159702	89685265	0.64	cps
Iron	57-2	2336099	2314471	2290139	2313569	0.99	cps
Krypton	83-1	660	597	690	649	7.34	cps
Lead	206-1	528022	527891	530351	528755	0.26	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 16:53:56	DataFile Name :	056AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	470797	476546	475933	474425	0.67	cps
Lead	208-1	2128145	2124043	2118951	2123713	0.22	cps
Lithium	6-1	16694634	16726967	16813117	16744906	0.37	cps
Magnesium	24-2	1777427	1802125	1793623	1791058	0.70	cps
Manganese	55-2	1234386	1234596	1228373	1232452	0.29	cps
Molybdenum	94-1	39292	39466	39961	39573	0.88	cps
Molybdenum	95-1	3544	3621	3500	3555	1.71	cps
Molybdenum	96-1	11288	10854	11245	11129	2.15	cps
Molybdenum	97-1	2427	2257	2167	2284	5.78	cps
Molybdenum	98-1	5568	5631	5421	5540	1.95	cps
Neodymium	150-1	96436	95342	94546	95442	0.99	cps
Neodymium	150-2	25778	25431	25698	25636	0.71	cps
Nickel	60-2	42386	41838	41654	41959	0.91	cps
Phosphorus	31-2	3704	3991	3857	3851	3.73	cps
Potassium	39-2	575906	575111	578085	576367	0.27	cps
Rhodium	103-1	33127771	33263013	33615682	33335489	0.76	cps
Rhodium	103-2	13428152	13027233	12952881	13136089	1.95	cps
Scandium	45-1	23359850	23439342	23377590	23392260	0.18	cps
Scandium	45-2	615214	607923	610694	611277	0.60	cps
Selenium	82-1	-193	-260	-223	-226	-14.80	cps
Selenium	77-2	143	110	103	119	18.03	cps
Selenium	78-2	113	110	133	119	10.62	cps
Silicon	28-1	21457855	21276120	21450526	21394833	0.48	cps
Silver	107-1	6603	6307	5976	6295	4.99	cps
Silver	109-1	4517	4307	5540	4788	13.78	cps
Sodium	23-2	104544	102671	103879	103698	0.92	cps
Strontium	86-1	185266	188360	187811	187146	0.88	cps
Strontium	88-1	1694133	1712197	1651836	1686055	1.84	cps
Sulfur	34-1	614463	613168	614408	614013	0.12	cps
Terbium	159-1	48686758	46911263	47846541	47814854	1.86	cps
Terbium	159-2	17530664	17016128	17262556	17269783	1.49	cps
Thallium	203-1	2950	2754	2827	2844	3.50	cps
Thallium	205-1	7325	6572	6388	6762	7.35	cps
Tin	118-1	33006	32562	33494	33021	1.41	cps
Titanium	47-1	1170601	1177352	1180802	1176251	0.44	cps
Uranium	238-1	33204	32983	32351	32846	1.35	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 16:53:56	DataFile Name :	056AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	145332	143420	143392	144048	0.77	cps
Ytterbium	172-1	16057	15976	15749	15927	1.00	cps
Ytterbium	172-2	7122	6788	6695	6869	3.27	cps
Ytterbium	176-1	20967	20546	20623	20712	1.08	cps
Ytterbium	176-2	67471	69425	69656	68850	1.74	cps
Yttrium	89-1	53244553	53694148	53758074	53565591	0.52	cps
Yttrium	89-2	4824566	4712319	4639192	4725359	1.98	cps
Zinc	66-2	68320	66863	67372	67519	1.10	cps
Zirconium	90-1	103843	104924	104662	104477	0.54	cps
Zirconium	91-1	22926	23259	22548	22911	1.55	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-02DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1D	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 16:57:06	DataFile Name :	057AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1577772	1584392	1570618	1577594	0.44	cps
Antimony	121-1	8943	9086	8609	8880	2.76	cps
Arsenic	75-2	6285	6335	6275	6298	0.51	cps
Barium	135-1	592078	599903	603036	598339	0.94	cps
Barium	137-1	1051250	1043777	1051320	1048782	0.41	cps
Beryllium	9-1	3381	3464	3456	3434	1.33	cps
Bismuth	209-1	29279253	29283123	29016085	29192820	0.52	cps
Bismuth	209-2	11998499	12274793	12299728	12191007	1.37	cps
Bromine	81-1	22087	22087	22281	22152	0.50	cps
Cadmium	108-1	483	387	463	444	11.48	cps
Cadmium	106-1	30768	30514	30424	30568	0.58	cps
Cadmium	111-1	22819	22809	22699	22776	0.29	cps
Calcium	43-1	397887	396625	400002	398172	0.43	cps
Calcium	44-1	6720879	6603815	6575268	6633321	1.16	cps
Carbon	12-1	4675262	4716666	4683720	4691883	0.47	cps
Carbon	12-2	45564	45226	44103	44964	1.70	cps
Chlorine	35-1	59069189	60103326	61730744	60301086	2.23	cps
Chlorine	35-2	301199	302664	305185	303016	0.67	cps
Chromium	52-2	90407	90880	91577	90955	0.65	cps
Cobalt	59-2	95192	95940	96638	95923	0.75	cps
Copper	63-2	230589	233377	235492	233153	1.05	cps
Dysprosium	156-1	70766	71121	71959	71282	0.86	cps
Dysprosium	156-2	24075	24756	25211	24681	2.32	cps
Erbium	164-1	52593	52918	52774	52762	0.31	cps
Erbium	164-2	18680	18733	18934	18782	0.71	cps
Gadolinium	160-1	57129	56860	57815	57268	0.86	cps
Gadolinium	160-2	24229	24309	23598	24045	1.62	cps
Holmium	165-1	47295128	47849193	47701811	47615377	0.60	cps
Holmium	165-2	16760824	17171281	17446767	17126291	2.02	cps
Indium	115-1	35566840	35993813	36007820	35856158	0.70	cps
Indium	115-2	4369011	4464808	4418956	4417591	1.08	cps
Iron	54-2	5194887	5142020	5169785	5168897	0.51	cps
Iron	56-2	95111875	95415769	95338759	95288801	0.17	cps
Iron	57-2	2429950	2437852	2431865	2433222	0.17	cps
Krypton	83-1	633	603	677	638	5.78	cps
Lead	206-1	564389	576988	569136	570171	1.12	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-02DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1D	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 16:57:06	DataFile Name :	057AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	506267	510690	510770	509242	0.51	cps
Lead	208-1	2289350	2314680	2300794	2301608	0.55	cps
Lithium	6-1	16805907	17018811	16715751	16846823	0.92	cps
Magnesium	24-2	1911243	1894790	1893809	1899947	0.52	cps
Manganese	55-2	1272069	1272613	1277717	1274133	0.24	cps
Molybdenum	94-1	42381	42528	43073	42661	0.85	cps
Molybdenum	95-1	3631	3664	3717	3671	1.19	cps
Molybdenum	96-1	11899	11869	11788	11852	0.48	cps
Molybdenum	97-1	2150	2120	2274	2181	3.73	cps
Molybdenum	98-1	6055	5731	5881	5889	2.75	cps
Neodymium	150-1	100402	101544	102084	101343	0.85	cps
Neodymium	150-2	27204	27515	27171	27297	0.70	cps
Nickel	60-2	44556	43814	44209	44193	0.84	cps
Phosphorus	31-2	3767	3874	4061	3901	3.81	cps
Potassium	39-2	601998	601234	602471	601901	0.10	cps
Rhodium	103-1	32902641	33189289	32992748	33028226	0.44	cps
Rhodium	103-2	12644027	13279291	13014036	12979118	2.46	cps
Scandium	45-1	23455680	23468153	23188416	23370750	0.68	cps
Scandium	45-2	587082	609656	606313	601017	2.03	cps
Selenium	82-1	-247	-207	-200	-218	-11.59	cps
Selenium	77-2	113	153	93	120	25.46	cps
Selenium	78-2	103	130	73	102	27.74	cps
Silicon	28-1	22747221	22955875	22442780	22715292	1.14	cps
Silver	107-1	6133	6151	6303	6196	1.51	cps
Silver	109-1	4194	4061	3981	4078	2.64	cps
Sodium	23-2	110313	111411	111270	110998	0.54	cps
Strontium	86-1	198444	198653	199208	198768	0.20	cps
Strontium	88-1	1790095	1771586	1765179	1775620	0.73	cps
Sulfur	34-1	614747	612315	609706	612256	0.41	cps
Terbium	159-1	48625601	48105221	47968078	48232967	0.72	cps
Terbium	159-2	16700428	17057151	17095108	16950895	1.28	cps
Thallium	203-1	2777	2734	2607	2706	3.27	cps
Thallium	205-1	6528	6445	6315	6429	1.67	cps
Tin	118-1	37722	38310	37638	37890	0.97	cps
Titanium	47-1	1270768	1290098	1275578	1278814	0.79	cps
Uranium	238-1	35329	35332	35386	35349	0.09	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-02DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1D	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 16:57:06	DataFile Name :	057AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	154195	153957	153287	153813	0.31	cps
Ytterbium	172-1	16397	16988	16684	16690	1.77	cps
Ytterbium	172-2	6959	6755	7312	7009	4.02	cps
Ytterbium	176-1	21371	21624	21364	21453	0.69	cps
Ytterbium	176-2	66449	68714	69086	68083	2.10	cps
Yttrium	89-1	53889303	53424051	53541604	53618319	0.45	cps
Yttrium	89-2	4683105	4812847	4656038	4717330	1.78	cps
Zinc	66-2	70320	70219	70869	70470	0.50	cps
Zirconium	90-1	112194	111992	114848	113011	1.41	cps
Zirconium	91-1	25009	25306	25216	25177	0.61	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01LDLX20	Instrumnet Name :	P8
Client Sample ID :	MYD5X1L	Dilution Factor :	20
Date & Time Acquired :	2024-10-04 17:00:18	DataFile Name :	058AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	285619	280350	280796	282255	1.04	cps
Antimony	121-1	1723	1980	1994	1899	8.01	cps
Arsenic	75-2	1167	1093	1067	1109	4.67	cps
Barium	135-1	112802	112207	112633	112547	0.27	cps
Barium	137-1	194549	194678	196551	195259	0.57	cps
Beryllium	9-1	936	863	879	893	4.30	cps
Bismuth	209-1	29772286	29219251	29564194	29518577	0.95	cps
Bismuth	209-2	12216349	12659343	12529307	12468333	1.83	cps
Bromine	81-1	21089	20382	20508	20660	1.83	cps
Cadmium	108-1	130	110	147	129	14.24	cps
Cadmium	106-1	30360	28393	29091	29281	3.41	cps
Cadmium	111-1	21538	20161	20644	20781	3.36	cps
Calcium	43-1	72364	72736	71959	72353	0.54	cps
Calcium	44-1	1254669	1184403	1187929	1209000	3.27	cps
Carbon	12-1	4098663	4070763	4021223	4063550	0.97	cps
Carbon	12-2	39356	38427	38691	38824	1.23	cps
Chlorine	35-1	14310589	14412817	14403231	14375546	0.39	cps
Chlorine	35-2	70778	70527	69563	70289	0.91	cps
Chromium	52-2	18082	17641	17698	17807	1.35	cps
Cobalt	59-2	17581	17621	17524	17575	0.28	cps
Copper	63-2	46780	45830	46305	46305	1.03	cps
Dysprosium	156-1	13113	13440	13347	13300	1.27	cps
Dysprosium	156-2	4537	4671	4618	4609	1.46	cps
Erbium	164-1	10411	10287	10111	10270	1.47	cps
Erbium	164-2	3657	3604	3387	3549	4.03	cps
Gadolinium	160-1	10925	10961	11178	11021	1.24	cps
Gadolinium	160-2	5254	5028	5164	5149	2.22	cps
Holmium	165-1	48796629	46422578	47916271	47711826	2.52	cps
Holmium	165-2	17624113	17300176	17338393	17420894	1.02	cps
Indium	115-1	36761139	35479307	35709564	35983336	1.90	cps
Indium	115-2	4559771	4520238	4463218	4514409	1.08	cps
Iron	54-2	937626	940440	936434	938167	0.22	cps
Iron	56-2	17575611	17716595	17691581	17661262	0.43	cps
Iron	57-2	432058	434168	432249	432825	0.27	cps
Krypton	83-1	627	627	657	637	2.72	cps
Lead	206-1	104756	103385	105014	104385	0.84	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01LDLX20	Instrumnet Name :	P8
Client Sample ID :	MYD5X1L	Dilution Factor :	20
Date & Time Acquired :	2024-10-04 17:00:18	DataFile Name :	058AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	94414	92312	94914	93880	1.47	cps
Lead	208-1	423571	417913	423838	421774	0.79	cps
Lithium	6-1	16609705	16183103	16467653	16420154	1.32	cps
Magnesium	24-2	345714	342024	344084	343941	0.54	cps
Manganese	55-2	242412	243106	244370	243296	0.41	cps
Molybdenum	94-1	7976	8339	8393	8236	2.75	cps
Molybdenum	95-1	803	830	763	799	4.20	cps
Molybdenum	96-1	2574	2514	2460	2516	2.25	cps
Molybdenum	97-1	543	480	537	520	6.69	cps
Molybdenum	98-1	1270	1230	1313	1271	3.28	cps
Neodymium	150-1	18696	18433	18470	18533	0.77	cps
Neodymium	150-2	5184	4914	4851	4983	3.55	cps
Nickel	60-2	8256	8469	8506	8410	1.61	cps
Phosphorus	31-2	880	967	923	923	4.69	cps
Potassium	39-2	124061	122914	123089	123355	0.50	cps
Rhodium	103-1	33967265	32584984	32797463	33116571	2.25	cps
Rhodium	103-2	13156649	12842105	12853553	12950769	1.38	cps
Scandium	45-1	23449251	22567801	22829365	22948806	1.97	cps
Scandium	45-2	601869	598754	603764	601462	0.42	cps
Selenium	82-1	-337	-333	-410	-360	-12.04	cps
Selenium	77-2	13	37	7	19	83.40	cps
Selenium	78-2	40	40	23	34	27.94	cps
Silicon	28-1	4580135	4631148	4713167	4641483	1.45	cps
Silver	107-1	1480	1465	1485	1477	0.72	cps
Silver	109-1	790	893	917	867	7.78	cps
Sodium	23-2	38945	38701	38631	38759	0.43	cps
Strontium	86-1	37032	36123	36140	36432	1.43	cps
Strontium	88-1	312432	314126	310615	312391	0.56	cps
Sulfur	34-1	602847	600296	598202	600448	0.39	cps
Terbium	159-1	50061366	47563203	48471694	48698754	2.60	cps
Terbium	159-2	17045964	17056877	17119780	17074207	0.23	cps
Thallium	203-1	987	980	907	958	4.63	cps
Thallium	205-1	2500	2197	2370	2356	6.46	cps
Tin	118-1	8673	8763	19753	12396	51.40	cps
Titanium	47-1	227695	228497	227201	227797	0.29	cps
Uranium	238-1	6592	6305	6532	6476	2.34	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01LDLX20	Instrumnet Name :	P8
Client Sample ID :	MYD5X1L	Dilution Factor :	20
Date & Time Acquired :	2024-10-04 17:00:18	DataFile Name :	058AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	28331	28041	27830	28068	0.90	cps
Ytterbium	172-1	3267	3364	3204	3278	2.46	cps
Ytterbium	172-2	1377	1393	1387	1386	0.61	cps
Ytterbium	176-1	13217	12516	12853	12862	2.72	cps
Ytterbium	176-2	63519	65230	66332	65027	2.18	cps
Yttrium	89-1	54256669	51426624	51595854	52426383	3.03	cps
Yttrium	89-2	4612541	4583210	4633066	4609606	0.54	cps
Zinc	66-2	14798	15048	14487	14778	1.90	cps
Zirconium	90-1	22174	22044	22415	22211	0.85	cps
Zirconium	91-1	4504	4547	4698	4583	2.21	cps

Reviewed By:mohan
On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-03DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1S	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 17:03:33	DataFile Name :	059AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1607833	1583889	1567106	1586276	1.29	cps
Antimony	121-1	421724	427929	428001	425885	0.85	cps
Arsenic	75-2	9447	9557	9537	9513	0.62	cps
Barium	135-1	3072991	2993897	3047732	3038207	1.33	cps
Barium	137-1	5237943	5125327	5182345	5181872	1.09	cps
Beryllium	9-1	64839	65488	66436	65588	1.22	cps
Bismuth	209-1	29338825	29300596	28690862	29110095	1.25	cps
Bismuth	209-2	12577541	12401577	12388233	12455784	0.85	cps
Bromine	81-1	21674	21757	22238	21889	1.39	cps
Cadmium	108-1	3997	4044	4441	4161	5.86	cps
Cadmium	106-1	35629	36020	35091	35580	1.31	cps
Cadmium	111-1	80429	81707	81603	81246	0.87	cps
Calcium	43-1	372826	376971	381213	377003	1.11	cps
Calcium	44-1	6320126	6312510	6290423	6307686	0.24	cps
Carbon	12-1	4564065	4568608	4609368	4580680	0.54	cps
Carbon	12-2	44674	45687	44343	44902	1.56	cps
Chlorine	35-1	55119923	57742072	59102122	57321372	3.53	cps
Chlorine	35-2	294587	295525	295934	295348	0.23	cps
Chromium	52-2	314118	315152	312182	313817	0.48	cps
Cobalt	59-2	1132652	1127654	1128050	1129452	0.25	cps
Copper	63-2	606937	606548	609108	607531	0.23	cps
Dysprosium	156-1	68662	69268	69741	69224	0.78	cps
Dysprosium	156-2	24295	23698	23734	23909	1.40	cps
Erbium	164-1	50131	51814	51131	51025	1.66	cps
Erbium	164-2	18450	18039	18072	18187	1.25	cps
Gadolinium	160-1	54691	55622	55957	55423	1.18	cps
Gadolinium	160-2	23297	23334	23137	23256	0.45	cps
Holmium	165-1	48000446	47661353	47193349	47618383	0.85	cps
Holmium	165-2	17486592	17294173	17393347	17391370	0.55	cps
Indium	115-1	35937117	36438518	35806817	36060817	0.92	cps
Indium	115-2	4507081	4537927	4468801	4504603	0.77	cps
Iron	54-2	5002039	5049550	5054209	5035266	0.57	cps
Iron	56-2	91801952	92352412	90665975	91606780	0.94	cps
Iron	57-2	2335568	2349407	2363875	2349617	0.60	cps
Krypton	83-1	930	773	810	838	9.78	cps
Lead	206-1	617472	621520	629148	622714	0.95	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-03DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1S	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 17:03:33	DataFile Name :	059AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	551231	554694	552200	552708	0.32	cps
Lead	208-1	2489532	2512334	2514159	2505342	0.55	cps
Lithium	6-1	16564424	16443135	16544496	16517351	0.39	cps
Magnesium	24-2	1850299	1835223	1844208	1843243	0.41	cps
Manganese	55-2	1578999	1613080	1550141	1580740	1.99	cps
Molybdenum	94-1	39152	39967	40017	39712	1.22	cps
Molybdenum	95-1	3480	3544	3597	3540	1.65	cps
Molybdenum	96-1	10704	11528	11275	11169	3.78	cps
Molybdenum	97-1	2357	2344	2297	2332	1.35	cps
Molybdenum	98-1	5585	5688	5558	5610	1.22	cps
Neodymium	150-1	95114	97269	96342	96242	1.12	cps
Neodymium	150-2	26333	25665	26429	26142	1.59	cps
Nickel	60-2	322941	322294	321113	322116	0.29	cps
Phosphorus	31-2	3704	3727	3520	3650	3.10	cps
Potassium	39-2	588411	577867	583398	583225	0.90	cps
Rhodium	103-1	33062945	32606466	32572750	32747387	0.84	cps
Rhodium	103-2	12995010	13081071	12754609	12943564	1.31	cps
Scandium	45-1	23517754	23117806	23166745	23267435	0.94	cps
Scandium	45-2	608875	599946	602662	603828	0.76	cps
Selenium	82-1	7012	7229	6999	7080	1.82	cps
Selenium	77-2	300	310	277	296	5.79	cps
Selenium	78-2	703	780	747	743	5.17	cps
Silicon	28-1	21947680	22088341	22032926	22022982	0.32	cps
Silver	107-1	312285	315730	315756	314590	0.63	cps
Silver	109-1	294141	303010	301554	299568	1.59	cps
Sodium	23-2	103641	103144	102402	103063	0.60	cps
Strontium	86-1	185858	189079	188296	187745	0.89	cps
Strontium	88-1	1697309	1657891	1663176	1672792	1.28	cps
Sulfur	34-1	612821	607144	612413	610792	0.52	cps
Terbium	159-1	49142828	47751051	48678038	48523972	1.46	cps
Terbium	159-2	17129579	17029322	17163467	17107456	0.41	cps
Thallium	203-1	258490	263356	266924	262923	1.61	cps
Thallium	205-1	625067	634235	638790	632697	1.10	cps
Tin	118-1	34737	35255	34423	34805	1.21	cps
Titanium	47-1	1229469	1189648	1186617	1201911	1.99	cps
Uranium	238-1	33157	33594	34152	33634	1.48	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-03DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1S	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 17:03:33	DataFile Name :	059AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	582529	577852	576225	578869	0.57	cps
Ytterbium	172-1	16016	15880	16277	16058	1.26	cps
Ytterbium	172-2	7109	6959	6805	6957	2.18	cps
Ytterbium	176-1	21023	21127	21534	21228	1.27	cps
Ytterbium	176-2	68272	69200	70634	69369	1.72	cps
Yttrium	89-1	53810514	52824181	52980343	53205013	1.00	cps
Yttrium	89-2	4659850	4663063	4644818	4655910	0.21	cps
Zinc	66-2	146499	146114	146737	146450	0.21	cps
Zirconium	90-1	105287	104837	106359	105494	0.74	cps
Zirconium	91-1	22722	24044	23497	23421	2.84	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01MSDLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 17:06:41	DataFile Name :	060AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1286851	1286223	1285255	1286110	0.06	cps
Antimony	121-1	1487566	1518491	1568296	1524784	2.67	cps
Arsenic	75-2	16513	16320	16847	16560	1.61	cps
Barium	135-1	8964787	9045853	9017922	9009521	0.46	cps
Barium	137-1	15481049	15486324	15567428	15511600	0.31	cps
Beryllium	9-1	219030	222856	222344	221410	0.94	cps
Bismuth	209-1	29137633	29320551	29058165	29172116	0.46	cps
Bismuth	209-2	12440901	12417386	12477289	12445192	0.24	cps
Bromine	81-1	21453	21637	21336	21475	0.71	cps
Cadmium	108-1	13991	14481	13934	14135	2.13	cps
Cadmium	106-1	49077	49565	49248	49297	0.50	cps
Cadmium	111-1	230701	234581	235725	233669	1.13	cps
Calcium	43-1	265948	268108	271190	268415	0.98	cps
Calcium	44-1	4487459	4547980	4526711	4520717	0.68	cps
Carbon	12-1	4446179	4398398	4374297	4406291	0.83	cps
Carbon	12-2	42120	42314	43183	42539	1.33	cps
Chlorine	35-1	40676073	42663988	42899311	42079790	2.90	cps
Chlorine	35-2	215707	216945	217715	216789	0.47	cps
Chromium	52-2	861961	864045	863213	863073	0.12	cps
Cobalt	59-2	3894881	3868237	3821573	3861564	0.96	cps
Copper	63-2	1567118	1607158	1566449	1580242	1.48	cps
Dysprosium	156-1	48651	50070	49324	49348	1.44	cps
Dysprosium	156-2	16861	17371	17675	17302	2.38	cps
Erbium	164-1	36112	36340	37038	36497	1.32	cps
Erbium	164-2	13250	12883	13013	13049	1.43	cps
Gadolinium	160-1	38883	39385	39281	39183	0.68	cps
Gadolinium	160-2	17054	16757	16964	16925	0.90	cps
Holmium	165-1	47472679	47321758	47897906	47564114	0.63	cps
Holmium	165-2	17092740	17070777	17114463	17092660	0.13	cps
Indium	115-1	35981364	35189036	35605026	35591809	1.11	cps
Indium	115-2	4452782	4494131	4444622	4463845	0.59	cps
Iron	54-2	3782539	3766707	3763236	3770827	0.27	cps
Iron	56-2	67975031	68370694	68291639	68212455	0.31	cps
Iron	57-2	1764581	1729168	1768383	1754044	1.23	cps
Krypton	83-1	903	767	883	851	8.67	cps
Lead	206-1	688311	696148	703963	696141	1.12	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01MSDLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 17:06:41	DataFile Name :	060AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	606313	613431	620870	613538	1.19	cps
Lead	208-1	2775418	2790972	2810316	2792236	0.63	cps
Lithium	6-1	16215791	16527041	16364478	16369103	0.95	cps
Magnesium	24-2	1302881	1304354	1280028	1295754	1.05	cps
Manganese	55-2	1976928	2004186	1979701	1986938	0.75	cps
Molybdenum	94-1	28907	28877	29117	28967	0.45	cps
Molybdenum	95-1	2557	2627	2634	2606	1.63	cps
Molybdenum	96-1	8066	8473	8263	8267	2.46	cps
Molybdenum	97-1	1660	1630	1560	1617	3.17	cps
Molybdenum	98-1	4137	4534	4557	4410	5.35	cps
Neodymium	150-1	69492	70286	69472	69750	0.67	cps
Neodymium	150-2	18319	19351	18920	18863	2.75	cps
Nickel	60-2	1026972	1022534	1025931	1025146	0.23	cps
Phosphorus	31-2	2780	2694	2867	2780	3.12	cps
Potassium	39-2	419360	422445	420657	420821	0.37	cps
Rhodium	103-1	32281565	32938041	32825129	32681578	1.07	cps
Rhodium	103-2	13024327	12918138	12819894	12920786	0.79	cps
Scandium	45-1	23131702	22972872	23003089	23035888	0.37	cps
Scandium	45-2	599991	601745	605680	602472	0.48	cps
Selenium	82-1	27943	28130	27819	27964	0.56	cps
Selenium	77-2	733	840	677	750	11.06	cps
Selenium	78-2	2387	2460	2167	2338	6.53	cps
Silicon	28-1	15797341	15964585	15961361	15907762	0.60	cps
Silver	107-1	1111921	1096953	1098885	1102586	0.74	cps
Silver	109-1	1033200	1047322	1048495	1043006	0.82	cps
Sodium	23-2	79921	80292	80996	80403	0.68	cps
Strontium	86-1	131592	135937	136263	134597	1.94	cps
Strontium	88-1	1150090	1156844	1164105	1157013	0.61	cps
Sulfur	34-1	604303	598657	600659	601206	0.48	cps
Terbium	159-1	47248148	47799758	48370309	47806072	1.17	cps
Terbium	159-2	16737655	17079377	17216351	17011128	1.45	cps
Thallium	203-1	930487	947065	949222	942258	1.09	cps
Thallium	205-1	2329385	2326767	2364530	2340227	0.90	cps
Tin	118-1	24909	25677	25480	25356	1.57	cps
Titanium	47-1	835208	848591	848428	844076	0.91	cps
Uranium	238-1	24183	24090	23422	23898	1.74	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-01MSDLX4	Instrumnet Name :	P8
Client Sample ID :	MYD5X1SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 17:06:41	DataFile Name :	060AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1718962	1689886	1695278	1701375	0.91	cps
Ytterbium	172-1	11548	11815	11635	11666	1.17	cps
Ytterbium	172-2	5051	5018	5008	5025	0.45	cps
Ytterbium	176-1	18460	18503	17845	18269	2.01	cps
Ytterbium	176-2	66885	67538	67491	67305	0.54	cps
Yttrium	89-1	52740779	52937206	52501388	52726458	0.41	cps
Yttrium	89-2	4739636	4661581	4641406	4680874	1.11	cps
Zinc	66-2	324005	325542	325211	324920	0.25	cps
Zirconium	90-1	76461	76090	77688	76746	1.09	cps
Zirconium	91-1	17047	17241	16980	17089	0.79	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-09DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5L6	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 17:09:45	DataFile Name :	061AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5458702	5429178	5514266	5467382	0.79	cps
Antimony	121-1	34757	36682	35543	35661	2.71	cps
Arsenic	75-2	76195	75980	75987	76054	0.16	cps
Barium	135-1	3215223	3316438	3261976	3264545	1.55	cps
Barium	137-1	5462782	5646537	5555308	5554876	1.65	cps
Beryllium	9-1	7632	7842	7582	7685	1.79	cps
Bismuth	209-1	28562513	28453356	28504465	28506778	0.19	cps
Bismuth	209-2	11965226	11843449	11819204	11875960	0.66	cps
Bromine	81-1	27050	26802	26278	26710	1.47	cps
Cadmium	108-1	907	827	947	893	6.84	cps
Cadmium	106-1	31065	31840	31873	31593	1.45	cps
Cadmium	111-1	25788	26674	26700	26387	1.97	cps
Calcium	43-1	508074	510563	518089	512242	1.02	cps
Calcium	44-1	8344143	8552742	8585223	8494036	1.54	cps
Carbon	12-1	8926353	9046015	9069720	9014029	0.85	cps
Carbon	12-2	88443	88444	88249	88379	0.13	cps
Chlorine	35-1	89426932	93529549	95731505	92895995	3.44	cps
Chlorine	35-2	477660	473271	477733	476221	0.54	cps
Chromium	52-2	535873	536054	536522	536150	0.06	cps
Cobalt	59-2	681771	675729	677702	678400	0.45	cps
Copper	63-2	1417640	1410732	1407117	1411830	0.38	cps
Dysprosium	156-1	165021	168944	169757	167907	1.51	cps
Dysprosium	156-2	56914	56121	56656	56563	0.72	cps
Erbium	164-1	121301	123157	125078	123178	1.53	cps
Erbium	164-2	43407	42785	43257	43150	0.75	cps
Gadolinium	160-1	126917	130353	133126	130132	2.39	cps
Gadolinium	160-2	54855	53524	54722	54367	1.35	cps
Holmium	165-1	47508343	47618118	48396211	47840890	1.01	cps
Holmium	165-2	17176712	16952467	16946500	17025226	0.77	cps
Indium	115-1	34880348	34902243	34401799	34728130	0.81	cps
Indium	115-2	4303130	4317303	4323114	4314516	0.24	cps
Iron	54-2	37883469	37349322	37988236	37740342	0.91	cps
Iron	56-2	686522736	692449083	687944896	688972239	0.45	cps
Iron	57-2	17704027	17478426	17751419	17644624	0.83	cps
Krypton	83-1	1043	993	1057	1031	3.24	cps
Lead	206-1	1026375	1043870	1047517	1039254	1.09	cps

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On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-09DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5L6	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 17:09:45	DataFile Name :	061AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	928916	944350	932117	935128	0.87	cps
Lead	208-1	4273906	4301214	4290408	4288510	0.32	cps
Lithium	6-1	16679640	16894372	16675332	16749781	0.75	cps
Magnesium	24-2	9118101	9020134	9047522	9061919	0.56	cps
Manganese	55-2	25270760	25368764	25526023	25388516	0.51	cps
Molybdenum	94-1	80042	81950	81963	81318	1.36	cps
Molybdenum	95-1	25887	25994	26245	26042	0.70	cps
Molybdenum	96-1	44033	44792	44769	44531	0.97	cps
Molybdenum	97-1	16169	15729	15989	15963	1.39	cps
Molybdenum	98-1	41184	40766	40492	40814	0.85	cps
Neodymium	150-1	209751	215163	215076	213330	1.45	cps
Neodymium	150-2	57713	57864	57577	57718	0.25	cps
Nickel	60-2	214831	212645	214025	213833	0.52	cps
Phosphorus	31-2	13336	13403	13233	13324	0.64	cps
Potassium	39-2	3330205	3226706	3320983	3292631	1.74	cps
Rhodium	103-1	32288185	32403583	31957547	32216438	0.72	cps
Rhodium	103-2	12559453	12390113	12356472	12435346	0.87	cps
Scandium	45-1	24187855	24262634	23799850	24083446	1.03	cps
Scandium	45-2	622724	620322	619571	620873	0.27	cps
Selenium	82-1	-320	-310	-313	-314	-1.62	cps
Selenium	77-2	243	320	260	274	14.69	cps
Selenium	78-2	197	227	200	208	7.91	cps
Silicon	28-1	27991098	28406602	28165874	28187858	0.74	cps
Silver	107-1	10343	10079	10015	10146	1.71	cps
Silver	109-1	6245	6188	5551	5995	6.42	cps
Sodium	23-2	117394	116920	116114	116809	0.55	cps
Strontium	86-1	478539	485325	483925	482596	0.74	cps
Strontium	88-1	4251526	4305627	4312820	4289991	0.78	cps
Sulfur	34-1	647157	654048	651234	650813	0.53	cps
Terbium	159-1	47942494	48361118	48531223	48278278	0.63	cps
Terbium	159-2	17104433	16866672	16806288	16925798	0.93	cps
Thallium	203-1	7559	7422	7282	7421	1.87	cps
Thallium	205-1	17285	17959	17145	17463	2.49	cps
Tin	118-1	40038	40463	40480	40327	0.62	cps
Titanium	47-1	2154694	2247081	2181065	2194280	2.17	cps
Uranium	238-1	65913	68262	69197	67791	2.50	cps

Reviewed By:mohan
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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-09DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5L6	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 17:09:45	DataFile Name :	061AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1063580	1056666	1058851	1059699	0.33	cps
Ytterbium	172-1	38342	39666	39532	39180	1.86	cps
Ytterbium	172-2	17111	16744	16180	16678	2.81	cps
Ytterbium	176-1	35999	35230	34990	35406	1.49	cps
Ytterbium	176-2	73580	72839	73496	73305	0.55	cps
Yttrium	89-1	53669711	53983843	53575509	53743021	0.40	cps
Yttrium	89-2	4713518	4675414	4746011	4711648	0.75	cps
Zinc	66-2	203026	199541	201093	201220	0.87	cps
Zirconium	90-1	180009	186038	185323	183790	1.79	cps
Zirconium	91-1	40559	41545	41007	41037	1.20	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-14DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5M1	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 17:12:53	DataFile Name :	062AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4984825	5030880	5019447	5011717	0.48	cps
Antimony	121-1	46566	47395	47813	47258	1.34	cps
Arsenic	75-2	68033	70458	68241	68911	1.95	cps
Barium	135-1	5423725	5358651	5397426	5393267	0.61	cps
Barium	137-1	9166475	9186831	9194025	9182444	0.16	cps
Beryllium	9-1	7381	7719	7596	7566	2.26	cps
Bismuth	209-1	28005941	27933060	27898152	27945718	0.20	cps
Bismuth	209-2	11759321	11667446	12008000	11811589	1.49	cps
Bromine	81-1	21610	22298	21797	21902	1.62	cps
Cadmium	108-1	1387	1270	1293	1317	4.69	cps
Cadmium	106-1	31830	32358	31700	31963	1.09	cps
Cadmium	111-1	31000	31512	30885	31132	1.07	cps
Calcium	43-1	303104	309029	304716	305616	1.00	cps
Calcium	44-1	5096867	5118080	5047672	5087540	0.71	cps
Carbon	12-1	5557723	5596328	5579635	5577895	0.35	cps
Carbon	12-2	53888	54353	53798	54013	0.55	cps
Chlorine	35-1	83281389	85319642	86549879	85050303	1.94	cps
Chlorine	35-2	430609	437985	439836	436143	1.12	cps
Chromium	52-2	518811	515557	517027	517132	0.32	cps
Cobalt	59-2	617580	615821	615131	616178	0.20	cps
Copper	63-2	1788785	1811106	1814868	1804920	0.78	cps
Dysprosium	156-1	158170	162451	159870	160164	1.35	cps
Dysprosium	156-2	53276	54196	54484	53985	1.17	cps
Erbium	164-1	112813	115173	114104	114030	1.04	cps
Erbium	164-2	40963	40418	40107	40496	1.07	cps
Gadolinium	160-1	123582	122399	123468	123150	0.53	cps
Gadolinium	160-2	51827	51679	52118	51875	0.43	cps
Holmium	165-1	46843764	46386928	47007594	46746095	0.69	cps
Holmium	165-2	16732913	16917759	17036272	16895648	0.90	cps
Indium	115-1	34273552	34540685	34369817	34394684	0.39	cps
Indium	115-2	4295010	4357114	4349282	4333802	0.78	cps
Iron	54-2	40589320	40654311	40684410	40642681	0.12	cps
Iron	56-2	741067642	748730176	741761162	743852993	0.57	cps
Iron	57-2	18868109	18820749	18849763	18846207	0.13	cps
Krypton	83-1	1060	1017	1073	1050	2.82	cps
Lead	206-1	2010285	2000576	1978444	1996435	0.82	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-14DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5M1	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 17:12:53	DataFile Name :	062AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1747122	1771919	1753655	1757565	0.73	cps
Lead	208-1	7924372	8013580	7999414	7979122	0.60	cps
Lithium	6-1	16408381	15969133	16363351	16246955	1.49	cps
Magnesium	24-2	8296213	8178709	8374668	8283197	1.19	cps
Manganese	55-2	31133778	31337107	31098197	31189694	0.41	cps
Molybdenum	94-1	119024	120187	120358	119856	0.61	cps
Molybdenum	95-1	25614	25113	25704	25477	1.25	cps
Molybdenum	96-1	49956	50495	50890	50447	0.93	cps
Molybdenum	97-1	15028	15779	15272	15360	2.49	cps
Molybdenum	98-1	39573	40442	39570	39862	1.26	cps
Neodymium	150-1	211033	211851	214720	212534	0.91	cps
Neodymium	150-2	57543	57884	57476	57634	0.38	cps
Nickel	60-2	199816	200283	201567	200555	0.45	cps
Phosphorus	31-2	9540	9900	9660	9700	1.89	cps
Potassium	39-2	2581117	2521825	2562241	2555061	1.19	cps
Rhodium	103-1	31931170	31612037	31455712	31666306	0.77	cps
Rhodium	103-2	12275347	12536454	12570830	12460877	1.30	cps
Scandium	45-1	23490442	23395427	23166536	23350802	0.71	cps
Scandium	45-2	607030	614664	607218	609637	0.71	cps
Selenium	82-1	-363	-333	-343	-347	-4.41	cps
Selenium	77-2	250	277	237	254	8.00	cps
Selenium	78-2	193	213	210	206	5.21	cps
Silicon	28-1	29092781	28903918	29193202	29063300	0.51	cps
Silver	107-1	17281	17129	17284	17232	0.51	cps
Silver	109-1	12626	12886	12909	12807	1.23	cps
Sodium	23-2	103675	104182	103933	103930	0.24	cps
Strontium	86-1	489814	498881	495663	494786	0.93	cps
Strontium	88-1	4418002	4465462	4417468	4433644	0.62	cps
Sulfur	34-1	608820	610047	611604	610157	0.23	cps
Terbium	159-1	47848281	46541528	47658268	47349359	1.49	cps
Terbium	159-2	16688530	16817766	16855705	16787334	0.52	cps
Thallium	203-1	7446	7786	7659	7630	2.25	cps
Thallium	205-1	18386	18410	18947	18581	1.71	cps
Tin	118-1	39834	39356	40349	39847	1.25	cps
Titanium	47-1	2242209	2214289	2234015	2230171	0.64	cps
Uranium	238-1	67699	68982	69107	68596	1.14	cps

Reviewed By:mohan
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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-14DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5M1	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 17:12:53	DataFile Name :	062AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	993747	994287	997743	995259	0.22	cps
Ytterbium	172-1	37015	36340	36587	36647	0.93	cps
Ytterbium	172-2	15629	15553	15766	15649	0.69	cps
Ytterbium	176-1	33827	33827	34392	34015	0.96	cps
Ytterbium	176-2	70882	72022	72454	71786	1.13	cps
Yttrium	89-1	53121166	51872309	52603971	52532482	1.19	cps
Yttrium	89-2	4640756	4629487	4639991	4636745	0.14	cps
Zinc	66-2	240888	242495	241808	241730	0.33	cps
Zirconium	90-1	288703	289488	289659	289283	0.18	cps
Zirconium	91-1	63825	65446	65928	65066	1.69	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-19DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5M6	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 17:15:56	DataFile Name :	063AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4254391	4247182	4125050	4208874	1.73	cps
Antimony	121-1	42232	42864	42830	42642	0.83	cps
Arsenic	75-2	52795	52805	51825	52475	1.07	cps
Barium	135-1	2959352	3020411	2985848	2988537	1.02	cps
Barium	137-1	4988626	5136766	5048184	5057859	1.47	cps
Beryllium	9-1	6558	6550	6535	6548	0.18	cps
Bismuth	209-1	28317775	27545803	28129854	27997811	1.44	cps
Bismuth	209-2	12018191	11754393	11621854	11798146	1.71	cps
Bromine	81-1	21313	21423	21463	21400	0.36	cps
Cadmium	108-1	1047	987	1003	1012	3.06	cps
Cadmium	106-1	30591	30126	31262	30660	1.86	cps
Cadmium	111-1	25408	25259	26065	25577	1.68	cps
Calcium	43-1	272815	272937	272461	272738	0.09	cps
Calcium	44-1	4515512	4625792	4640686	4593997	1.49	cps
Carbon	12-1	5107915	5083178	5122014	5104369	0.39	cps
Carbon	12-2	49811	48914	49155	49293	0.94	cps
Chlorine	35-1	73496446	75906427	77446521	75616464	2.63	cps
Chlorine	35-2	390058	389512	384797	388123	0.75	cps
Chromium	52-2	462482	462419	453025	459309	1.18	cps
Cobalt	59-2	556795	553679	548155	552876	0.79	cps
Copper	63-2	1193990	1181542	1165323	1180285	1.22	cps
Dysprosium	156-1	146184	145439	146220	145948	0.30	cps
Dysprosium	156-2	48387	48963	48002	48451	1.00	cps
Erbium	164-1	97383	98236	98578	98066	0.63	cps
Erbium	164-2	34174	34986	35076	34745	1.43	cps
Gadolinium	160-1	108685	110230	108789	109235	0.79	cps
Gadolinium	160-2	45524	44664	45909	45366	1.40	cps
Holmium	165-1	46903951	45645794	46805053	46451599	1.51	cps
Holmium	165-2	17133655	17116310	16746213	16998726	1.29	cps
Indium	115-1	33995899	34187552	34300332	34161261	0.45	cps
Indium	115-2	4383588	4326950	4357003	4355847	0.65	cps
Iron	54-2	35234202	35017376	34466419	34905999	1.13	cps
Iron	56-2	628177417	628446457	613054804	623226226	1.41	cps
Iron	57-2	16070059	16213154	15672237	15985150	1.75	cps
Krypton	83-1	900	963	943	936	3.46	cps
Lead	206-1	1048982	1065955	1066767	1060568	0.95	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-19DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5M6	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 17:15:56	DataFile Name :	063AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	944139	942604	945086	943943	0.13	cps
Lead	208-1	4367497	4357306	4341444	4355416	0.30	cps
Lithium	6-1	15716998	15600780	16130632	15816137	1.76	cps
Magnesium	24-2	6820013	6917814	6793989	6843939	0.95	cps
Manganese	55-2	19646547	19352706	19258150	19419134	1.04	cps
Molybdenum	94-1	114270	116936	116970	116059	1.33	cps
Molybdenum	95-1	18155	18185	17758	18033	1.32	cps
Molybdenum	96-1	43060	42421	43264	42915	1.02	cps
Molybdenum	97-1	11328	11021	11268	11206	1.45	cps
Molybdenum	98-1	28396	27751	28953	28367	2.12	cps
Neodymium	150-1	191590	191753	194621	192655	0.89	cps
Neodymium	150-2	52154	52563	51742	52153	0.79	cps
Nickel	60-2	180026	176801	176433	177753	1.11	cps
Phosphorus	31-2	7986	7852	7355	7731	4.30	cps
Potassium	39-2	2068925	2036649	2012889	2039488	1.38	cps
Rhodium	103-1	31201733	30711263	31334649	31082548	1.06	cps
Rhodium	103-2	12431122	12352500	12274192	12352605	0.64	cps
Scandium	45-1	22857435	22371610	22975060	22734702	1.41	cps
Scandium	45-2	599718	595679	589278	594892	0.88	cps
Selenium	82-1	-367	-427	-390	-394	-7.67	cps
Selenium	77-2	243	163	210	206	19.55	cps
Selenium	78-2	170	173	130	158	15.28	cps
Silicon	28-1	34175040	33925290	33780445	33960258	0.59	cps
Silver	107-1	9026	9294	9151	9157	1.46	cps
Silver	109-1	5548	5424	5394	5456	1.49	cps
Sodium	23-2	91843	91273	89646	90921	1.25	cps
Strontium	86-1	412854	418830	419472	417052	0.88	cps
Strontium	88-1	3688719	3781802	3674167	3714896	1.57	cps
Sulfur	34-1	597255	594779	590774	594269	0.55	cps
Terbium	159-1	47473989	46224479	46545079	46747849	1.39	cps
Terbium	159-2	16819062	16733786	16469383	16674077	1.09	cps
Thallium	203-1	6245	6448	6598	6431	2.76	cps
Thallium	205-1	15199	15222	15099	15173	0.43	cps
Tin	118-1	41744	42145	43027	42305	1.55	cps
Titanium	47-1	2333521	2339845	2369091	2347486	0.81	cps
Uranium	238-1	63035	63132	63447	63205	0.34	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2823-19DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5M6	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 17:15:56	DataFile Name :	063AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	832169	828818	817260	826082	0.95	cps
Ytterbium	172-1	30104	30692	30318	30372	0.98	cps
Ytterbium	172-2	13040	13470	13097	13202	1.77	cps
Ytterbium	176-1	30241	29697	30552	30163	1.44	cps
Ytterbium	176-2	69937	71150	70162	70416	0.92	cps
Yttrium	89-1	51275003	52085253	51523189	51627815	0.80	cps
Yttrium	89-2	4574621	4547337	4432211	4518056	1.67	cps
Zinc	66-2	173616	171311	169122	171350	1.31	cps
Zirconium	90-1	289140	295081	292485	292235	1.02	cps
Zirconium	91-1	64619	64856	66273	65250	1.37	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01	Instrumnet Name :	P8
Client Sample ID :	MYD546	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:19:04	DataFile Name :	064AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6236253	6229299	6247955	6237836	0.15	cps
Antimony	121-1	41489	41439	41998	41642	0.74	cps
Arsenic	75-2	57346	57108	55519	56658	1.75	cps
Barium	135-1	2349946	2313805	2319398	2327716	0.84	cps
Barium	137-1	3886027	3922209	3920060	3909432	0.52	cps
Beryllium	9-1	11461	11534	11731	11575	1.20	cps
Bismuth	209-1	27887247	28336382	28642979	28288869	1.34	cps
Bismuth	209-2	11883699	11689405	11739254	11770786	0.86	cps
Bromine	81-1	25400	25580	25797	25592	0.78	cps
Cadmium	108-1	1803	1990	1827	1873	5.43	cps
Cadmium	106-1	34356	34146	34136	34212	0.36	cps
Cadmium	111-1	39661	39656	39006	39441	0.95	cps
Calcium	43-1	1143439	1165064	1174351	1160951	1.37	cps
Calcium	44-1	19225182	19622944	19726694	19524940	1.36	cps
Carbon	12-1	7591977	7786470	7890440	7756296	1.95	cps
Carbon	12-2	75144	76350	74621	75372	1.18	cps
Chlorine	35-1	246226350	254301063	258611809	253046407	2.48	cps
Chlorine	35-2	1346388	1340940	1329825	1339051	0.63	cps
Chromium	52-2	257780	256991	254682	256485	0.63	cps
Cobalt	59-2	443629	445859	437205	442231	1.02	cps
Copper	63-2	2336830	2319726	2354625	2337060	0.75	cps
Dysprosium	156-1	322143	325484	329054	325560	1.06	cps
Dysprosium	156-2	110788	110328	110647	110588	0.21	cps
Erbium	164-1	241179	244294	246961	244145	1.19	cps
Erbium	164-2	84281	85227	83973	84494	0.77	cps
Gadolinium	160-1	260919	264301	270325	265182	1.80	cps
Gadolinium	160-2	110460	108944	108796	109400	0.84	cps
Holmium	165-1	48346389	48515389	47919303	48260360	0.64	cps
Holmium	165-2	16763077	16999477	17022363	16928306	0.85	cps
Indium	115-1	33955760	34827987	34609758	34464502	1.32	cps
Indium	115-2	4233547	4340263	4270268	4281359	1.27	cps
Iron	54-2	23166712	23284712	23094399	23181941	0.41	cps
Iron	56-2	423245300	424574420	429223060	425680927	0.74	cps
Iron	57-2	10811387	10721157	10655612	10729385	0.73	cps
Krypton	83-1	1147	1150	1047	1115	5.27	cps
Lead	206-1	2729594	2754480	2752434	2745503	0.50	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01	Instrumnet Name :	P8
Client Sample ID :	MYD546	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:19:04	DataFile Name :	064AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2428383	2459085	2455362	2447610	0.68	cps
Lead	208-1	10897921	11011713	11124642	11011425	1.03	cps
Lithium	6-1	16481311	16880286	16683762	16681786	1.20	cps
Magnesium	24-2	7960792	7905596	8036915	7967768	0.83	cps
Manganese	55-2	7097845	7227790	7111574	7145736	1.00	cps
Molybdenum	94-1	128777	131071	131437	130428	1.11	cps
Molybdenum	95-1	19230	19637	19878	19582	1.67	cps
Molybdenum	96-1	45093	45655	45879	45542	0.89	cps
Molybdenum	97-1	11845	12519	12376	12247	2.90	cps
Molybdenum	98-1	30787	31486	31499	31257	1.30	cps
Neodymium	150-1	436265	441736	451625	443209	1.76	cps
Neodymium	150-2	119433	117557	117967	118319	0.83	cps
Nickel	60-2	132647	133939	135256	133947	0.97	cps
Phosphorus	31-2	21299	20845	21099	21081	1.08	cps
Potassium	39-2	3370636	3399901	3388359	3386299	0.44	cps
Rhodium	103-1	31913874	31733898	31696065	31781279	0.37	cps
Rhodium	103-2	12353305	12591518	12541495	12495439	1.01	cps
Scandium	45-1	23120769	23377310	23372917	23290332	0.63	cps
Scandium	45-2	601895	604139	601428	602487	0.24	cps
Selenium	82-1	123	110	200	144	33.63	cps
Selenium	77-2	420	557	507	494	13.99	cps
Selenium	78-2	417	343	393	384	9.75	cps
Silicon	28-1	98988415	100255102	99784512	99676010	0.64	cps
Silver	107-1	28467	28229	28787	28494	0.98	cps
Silver	109-1	22605	22472	23250	22776	1.83	cps
Sodium	23-2	232493	213566	218007	221355	4.47	cps
Strontium	86-1	565483	574851	575821	572052	1.00	cps
Strontium	88-1	5135954	5067568	5181278	5128267	1.12	cps
Sulfur	34-1	633486	638288	640916	637563	0.59	cps
Terbium	159-1	48085561	48495358	48396879	48325933	0.44	cps
Terbium	159-2	16752327	16612050	16717472	16693949	0.44	cps
Thallium	203-1	11709	11572	11772	11684	0.88	cps
Thallium	205-1	28117	28348	28221	28228	0.41	cps
Tin	118-1	77095	79586	80159	78947	2.06	cps
Titanium	47-1	5176289	5255162	5288862	5240104	1.10	cps
Uranium	238-1	105443	106771	108684	106966	1.52	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01	Instrumnet Name :	P8
Client Sample ID :	MYD546	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:19:04	DataFile Name :	064AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	633202	629678	625552	629477	0.61	cps
Ytterbium	172-1	72487	74767	74887	74047	1.83	cps
Ytterbium	172-2	30358	31080	31351	30929	1.66	cps
Ytterbium	176-1	56373	58382	57638	57464	1.77	cps
Ytterbium	176-2	81030	82657	82076	81921	1.01	cps
Yttrium	89-1	54198969	55799021	54984783	54994258	1.45	cps
Yttrium	89-2	4721758	4710888	4749241	4727295	0.42	cps
Zinc	66-2	389900	388977	385940	388272	0.53	cps
Zirconium	90-1	326477	331802	333233	330504	1.08	cps
Zirconium	91-1	73512	74383	74441	74112	0.70	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-02	Instrumnet Name :	P8
Client Sample ID :	MYD546D	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:22:09	DataFile Name :	065AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6167063	6190965	6058342	6138790	1.15	cps
Antimony	121-1	39861	40012	40423	40099	0.73	cps
Arsenic	75-2	56309	56172	54552	55677	1.76	cps
Barium	135-1	2263628	2309749	2356919	2310099	2.02	cps
Barium	137-1	3875458	3938515	3934039	3916004	0.90	cps
Beryllium	9-1	11388	11536	11506	11477	0.68	cps
Bismuth	209-1	29637174	29161887	29057149	29285403	1.06	cps
Bismuth	209-2	11886026	11934496	11891210	11903911	0.22	cps
Bromine	81-1	25740	26261	26188	26063	1.08	cps
Cadmium	108-1	1827	1737	1870	1811	3.76	cps
Cadmium	106-1	34433	34744	34149	34442	0.86	cps
Cadmium	111-1	38897	39768	39332	39332	1.11	cps
Calcium	43-1	1150104	1169034	1173028	1164055	1.05	cps
Calcium	44-1	19441383	19622479	19637148	19567003	0.56	cps
Carbon	12-1	7534095	7717653	7769456	7673735	1.61	cps
Carbon	12-2	74202	74852	73945	74333	0.63	cps
Chlorine	35-1	249667750	259387409	262291509	257115556	2.57	cps
Chlorine	35-2	1358094	1359356	1325473	1347641	1.43	cps
Chromium	52-2	253518	253508	250422	252483	0.71	cps
Cobalt	59-2	437541	441517	431486	436848	1.16	cps
Copper	63-2	2310273	2322506	2297068	2309949	0.55	cps
Dysprosium	156-1	320399	324503	329257	324719	1.37	cps
Dysprosium	156-2	112479	110223	108802	110501	1.68	cps
Erbium	164-1	238084	245057	244936	242693	1.64	cps
Erbium	164-2	85465	85234	84218	84972	0.78	cps
Gadolinium	160-1	261096	263178	269802	264692	1.72	cps
Gadolinium	160-2	108715	108974	106921	108203	1.03	cps
Holmium	165-1	49648854	47513594	49436379	48866276	2.41	cps
Holmium	165-2	17019204	16998443	16885378	16967675	0.42	cps
Indium	115-1	35893684	35187063	35373499	35484749	1.03	cps
Indium	115-2	4350596	4430473	4338712	4373260	1.14	cps
Iron	54-2	23096317	22745849	22492874	22778347	1.33	cps
Iron	56-2	424777020	425095140	418687354	422853171	0.85	cps
Iron	57-2	10590485	10608332	10403346	10534054	1.08	cps
Krypton	83-1	917	913	957	929	2.60	cps
Lead	206-1	2683993	2715921	2774979	2724964	1.69	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-02	Instrumnet Name :	P8
Client Sample ID :	MYD546D	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:22:09	DataFile Name :	065AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2423989	2409414	2466147	2433183	1.21	cps
Lead	208-1	10828499	10929088	11074873	10944153	1.13	cps
Lithium	6-1	17155938	16443103	16931797	16843613	2.16	cps
Magnesium	24-2	7948061	7875749	7855982	7893264	0.61	cps
Manganese	55-2	7086739	7066674	6893946	7015786	1.51	cps
Molybdenum	94-1	128803	129439	131239	129827	0.97	cps
Molybdenum	95-1	19003	18886	19230	19040	0.92	cps
Molybdenum	96-1	43893	45203	44775	44624	1.50	cps
Molybdenum	97-1	11585	12212	12312	12036	3.28	cps
Molybdenum	98-1	29922	30794	31265	30661	2.22	cps
Neodymium	150-1	436164	443422	442722	440769	0.91	cps
Neodymium	150-2	119829	118555	115808	118064	1.74	cps
Nickel	60-2	133566	132514	131878	132653	0.64	cps
Phosphorus	31-2	20601	21029	20475	20702	1.40	cps
Potassium	39-2	3327049	3315839	3328678	3323855	0.21	cps
Rhodium	103-1	33398987	32278611	32045367	32574322	2.22	cps
Rhodium	103-2	12573770	12475387	12689183	12579447	0.85	cps
Scandium	45-1	24452144	23748359	23711506	23970670	1.74	cps
Scandium	45-2	610176	608609	603773	607519	0.55	cps
Selenium	82-1	193	330	213	246	30.06	cps
Selenium	77-2	573	500	510	528	7.54	cps
Selenium	78-2	463	407	377	416	10.59	cps
Silicon	28-1	102257802	101513582	102852008	102207797	0.66	cps
Silver	107-1	28056	29064	28246	28455	1.88	cps
Silver	109-1	22909	22435	22906	22750	1.20	cps
Sodium	23-2	216067	216884	215141	216031	0.40	cps
Strontium	86-1	567107	576737	577795	573880	1.03	cps
Strontium	88-1	5064498	5138674	5172567	5125246	1.08	cps
Sulfur	34-1	630731	635119	636005	633951	0.45	cps
Terbium	159-1	49884559	48168539	50253041	49435380	2.25	cps
Terbium	159-2	16955014	17036767	16766816	16919532	0.82	cps
Thallium	203-1	11152	11559	11298	11336	1.82	cps
Thallium	205-1	26430	26230	27492	26718	2.54	cps
Tin	118-1	77199	79539	79995	78911	1.90	cps
Titanium	47-1	5221324	5207671	5247778	5225591	0.39	cps
Uranium	238-1	105792	107106	107052	106650	0.70	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-02	Instrumnet Name :	P8
Client Sample ID :	MYD546D	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:22:09	DataFile Name :	065AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	626935	620405	611953	619764	1.21	cps
Ytterbium	172-1	72125	74072	74957	73718	1.97	cps
Ytterbium	172-2	30772	30826	29870	30490	1.76	cps
Ytterbium	176-1	57438	57320	57986	57581	0.62	cps
Ytterbium	176-2	82030	82495	82338	82288	0.29	cps
Yttrium	89-1	56893207	55212978	56583109	56229765	1.59	cps
Yttrium	89-2	4817391	4803824	4893881	4838366	1.00	cps
Zinc	66-2	386430	385043	378166	383213	1.15	cps
Zirconium	90-1	327748	330713	329828	329430	0.46	cps
Zirconium	91-1	73114	74293	74990	74132	1.28	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD546L	Dilution Factor :	5
Date & Time Acquired :	2024-10-04 17:25:16	DataFile Name :	066AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1168158	1164991	1147905	1160351	0.94	cps
Antimony	121-1	7382	7579	7662	7541	1.91	cps
Arsenic	75-2	10888	10878	10684	10816	1.06	cps
Barium	135-1	410302	414241	417481	414008	0.87	cps
Barium	137-1	713284	730354	727466	723702	1.26	cps
Beryllium	9-1	2243	2338	2304	2295	2.11	cps
Bismuth	209-1	27617042	28536030	28324069	28159047	1.71	cps
Bismuth	209-2	12367732	12065695	12210456	12214628	1.24	cps
Bromine	81-1	21800	21767	21834	21800	0.15	cps
Cadmium	108-1	363	440	437	413	10.48	cps
Cadmium	106-1	27798	28292	29107	28399	2.33	cps
Cadmium	111-1	22395	22587	23270	22751	2.02	cps
Calcium	43-1	216074	217726	216129	216643	0.43	cps
Calcium	44-1	3664939	3658352	3682541	3668611	0.34	cps
Carbon	12-1	4465192	4508793	4427017	4467000	0.92	cps
Carbon	12-2	43775	43494	43474	43581	0.39	cps
Chlorine	35-1	51786201	53069548	53456573	52770774	1.66	cps
Chlorine	35-2	262147	259339	255385	258957	1.31	cps
Chromium	52-2	49271	49244	48696	49070	0.66	cps
Cobalt	59-2	83738	82473	83040	83084	0.76	cps
Copper	63-2	434306	431322	428650	431426	0.66	cps
Dysprosium	156-1	60148	61537	60972	60886	1.15	cps
Dysprosium	156-2	21417	21204	20886	21169	1.26	cps
Erbium	164-1	44584	44885	46070	45180	1.74	cps
Erbium	164-2	16867	16908	15679	16485	4.23	cps
Gadolinium	160-1	49759	49960	48926	49548	1.11	cps
Gadolinium	160-2	21160	20856	21007	21008	0.72	cps
Holmium	165-1	45769791	46058634	46445833	46091419	0.74	cps
Holmium	165-2	16802681	16880575	16872928	16852061	0.25	cps
Indium	115-1	34102978	34822200	34887028	34604069	1.26	cps
Indium	115-2	4377842	4346773	4295259	4339958	0.96	cps
Iron	54-2	4348993	4411337	4402479	4387603	0.77	cps
Iron	56-2	81104110	79906597	78451691	79820799	1.66	cps
Iron	57-2	2047045	2086939	2031066	2055017	1.40	cps
Krypton	83-1	737	597	663	666	10.52	cps
Lead	206-1	489680	500930	504261	498290	1.53	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD546L	Dilution Factor :	5
Date & Time Acquired :	2024-10-04 17:25:16	DataFile Name :	066AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	442110	450359	457320	449930	1.69	cps
Lead	208-1	1988195	2027829	2044850	2020291	1.44	cps
Lithium	6-1	15065158	15284782	15335008	15228316	0.94	cps
Magnesium	24-2	1521142	1538762	1475083	1511662	2.18	cps
Manganese	55-2	1305052	1298692	1284479	1296074	0.81	cps
Molybdenum	94-1	23874	24245	24642	24253	1.58	cps
Molybdenum	95-1	3824	3981	3764	3856	2.90	cps
Molybdenum	96-1	8446	8790	8913	8716	2.78	cps
Molybdenum	97-1	2460	2574	2574	2536	2.58	cps
Molybdenum	98-1	5761	5948	6091	5934	2.79	cps
Neodymium	150-1	81821	83172	83672	82888	1.16	cps
Neodymium	150-2	22609	22482	22436	22509	0.40	cps
Nickel	60-2	25867	25740	25793	25800	0.25	cps
Phosphorus	31-2	4361	3894	4284	4180	5.99	cps
Potassium	39-2	621645	618395	611863	617301	0.81	cps
Rhodium	103-1	31160893	31253541	31431623	31282019	0.44	cps
Rhodium	103-2	12697707	12621885	12482126	12600573	0.87	cps
Scandium	45-1	21669861	21830656	22012939	21837818	0.79	cps
Scandium	45-2	573159	573753	570620	572511	0.29	cps
Selenium	82-1	-327	-203	-207	-246	-28.61	cps
Selenium	77-2	93	110	107	103	8.54	cps
Selenium	78-2	70	93	103	89	19.24	cps
Silicon	28-1	19172959	19005837	18893612	19024136	0.74	cps
Silver	107-1	5477	5482	5509	5489	0.31	cps
Silver	109-1	4164	4344	4221	4243	2.17	cps
Sodium	23-2	59256	59648	59424	59443	0.33	cps
Strontium	86-1	106686	107509	108993	107730	1.09	cps
Strontium	88-1	907859	918213	926347	917473	1.01	cps
Sulfur	34-1	568560	568798	572908	570089	0.43	cps
Terbium	159-1	45429459	46949023	46829324	46402602	1.82	cps
Terbium	159-2	16533526	16542359	16709844	16595243	0.60	cps
Thallium	203-1	2270	2507	2394	2390	4.95	cps
Thallium	205-1	5661	5861	5728	5750	1.77	cps
Tin	118-1	16780	17054	17271	17035	1.44	cps
Titanium	47-1	933070	943955	953621	943549	1.09	cps
Uranium	238-1	19265	19455	19906	19542	1.68	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD546L	Dilution Factor :	5
Date & Time Acquired :	2024-10-04 17:25:16	DataFile Name :	066AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	118656	117467	115572	117232	1.33	cps
Ytterbium	172-1	13721	14141	14084	13982	1.63	cps
Ytterbium	172-2	6091	5961	5978	6010	1.18	cps
Ytterbium	176-1	19204	18894	19014	19037	0.82	cps
Ytterbium	176-2	63884	65997	65742	65208	1.77	cps
Yttrium	89-1	50009789	51195219	51260574	50821861	1.39	cps
Yttrium	89-2	4561270	4517890	4402780	4493980	1.82	cps
Zinc	66-2	75422	75989	74776	75396	0.81	cps
Zirconium	90-1	62553	63795	64133	63494	1.31	cps
Zirconium	91-1	13860	13904	13794	13853	0.40	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-03	Instrumnet Name :	P8
Client Sample ID :	MYD546S	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:28:28	DataFile Name :	067AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6262051	6209796	6277035	6249627	0.56	cps
Antimony	121-1	1696158	1697527	1697858	1697181	0.05	cps
Arsenic	75-2	67571	67038	67889	67499	0.64	cps
Barium	135-1	11361701	11541419	11586826	11496649	1.04	cps
Barium	137-1	19531663	19817483	19597137	19648761	0.76	cps
Beryllium	9-1	238789	242597	240507	240631	0.79	cps
Bismuth	209-1	28228770	28234046	28532806	28331874	0.61	cps
Bismuth	209-2	11774539	11731824	11859080	11788481	0.55	cps
Bromine	81-1	25393	25857	26475	25909	2.09	cps
Cadmium	108-1	16216	16483	16453	16384	0.89	cps
Cadmium	106-1	53159	54142	54454	53918	1.25	cps
Cadmium	111-1	260627	261955	264703	262428	0.79	cps
Calcium	43-1	1121287	1142057	1136241	1133195	0.95	cps
Calcium	44-1	18920887	19122632	19103309	19048942	0.58	cps
Carbon	12-1	7081074	7309199	7355799	7248691	2.03	cps
Carbon	12-2	70876	70257	70890	70674	0.51	cps
Chlorine	35-1	237993730	247900683	252397976	246097463	2.99	cps
Chlorine	35-2	1325448	1314767	1314163	1318126	0.48	cps
Chromium	52-2	1104562	1102793	1093459	1100271	0.54	cps
Cobalt	59-2	4520911	4514254	4422808	4485991	1.22	cps
Copper	63-2	3768501	3704159	3677557	3716739	1.26	cps
Dysprosium	156-1	312014	317208	318442	315888	1.08	cps
Dysprosium	156-2	108536	109504	108509	108850	0.52	cps
Erbium	164-1	234546	238317	241498	238120	1.46	cps
Erbium	164-2	84460	82548	83114	83374	1.18	cps
Gadolinium	160-1	256334	262130	265101	261188	1.71	cps
Gadolinium	160-2	106917	105846	106793	106519	0.55	cps
Holmium	165-1	47215278	47003131	47898971	47372460	0.99	cps
Holmium	165-2	16797527	16721331	16481385	16666748	0.99	cps
Indium	115-1	34644456	35016426	35172396	34944426	0.78	cps
Indium	115-2	4248602	4293761	4250767	4264376	0.60	cps
Iron	54-2	22740285	22627674	22322022	22563327	0.96	cps
Iron	56-2	417745460	415645820	411133447	414841576	0.81	cps
Iron	57-2	10483583	10589778	10320067	10464476	1.30	cps
Krypton	83-1	987	1037	1033	1019	2.74	cps
Lead	206-1	2948532	3011131	3033912	2997858	1.47	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-03	Instrumnet Name :	P8
Client Sample ID :	MYD546S	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:28:28	DataFile Name :	067AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2612765	2661958	2712513	2662412	1.87	cps
Lead	208-1	11866193	11965380	12079883	11970485	0.89	cps
Lithium	6-1	15960880	16388662	16343683	16231075	1.45	cps
Magnesium	24-2	7759660	7696919	7719209	7725262	0.41	cps
Manganese	55-2	8090134	7979479	7945464	8005026	0.94	cps
Molybdenum	94-1	124363	128851	130452	127889	2.47	cps
Molybdenum	95-1	19380	19357	19217	19318	0.46	cps
Molybdenum	96-1	42699	44765	44494	43986	2.55	cps
Molybdenum	97-1	11562	11898	11859	11773	1.56	cps
Molybdenum	98-1	30046	30891	30667	30535	1.43	cps
Neodymium	150-1	426482	439179	438574	434745	1.65	cps
Neodymium	150-2	116968	116185	116248	116467	0.37	cps
Nickel	60-2	1177416	1178288	1177633	1177779	0.04	cps
Phosphorus	31-2	20428	20788	20505	20574	0.92	cps
Potassium	39-2	3260336	3236490	3240193	3245673	0.40	cps
Rhodium	103-1	31190855	31440314	31703590	31444920	0.82	cps
Rhodium	103-2	12355860	12385457	12270464	12337260	0.48	cps
Scandium	45-1	22992574	23209314	23146817	23116235	0.48	cps
Scandium	45-2	595109	595564	593287	594653	0.20	cps
Selenium	82-1	29032	29460	28865	29119	1.05	cps
Selenium	77-2	1120	1167	1143	1143	2.04	cps
Selenium	78-2	2950	2957	2810	2906	2.85	cps
Silicon	28-1	97154789	98361709	98241185	97919227	0.68	cps
Silver	107-1	1181586	1202759	1205195	1196513	1.09	cps
Silver	109-1	1127684	1152443	1164563	1148230	1.64	cps
Sodium	23-2	210513	209698	210025	210079	0.20	cps
Strontium	86-1	552698	564925	567377	561667	1.40	cps
Strontium	88-1	4974852	5089312	5048044	5037403	1.15	cps
Sulfur	34-1	619775	620986	622833	621198	0.25	cps
Terbium	159-1	47356103	47594148	47572938	47507729	0.28	cps
Terbium	159-2	16607506	16249524	16481171	16446067	1.10	cps
Thallium	203-1	997940	1010098	1021332	1009790	1.16	cps
Thallium	205-1	2433820	2473619	2486819	2464753	1.12	cps
Tin	118-1	79368	80545	79951	79955	0.74	cps
Titanium	47-1	5009718	5079211	5179234	5089388	1.67	cps
Uranium	238-1	103151	103427	104559	103712	0.72	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-03	Instrumnet Name :	P8
Client Sample ID :	MYD546S	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:28:28	DataFile Name :	067AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2353186	2332517	2306477	2330727	1.00	cps
Ytterbium	172-1	71046	72467	73757	72423	1.87	cps
Ytterbium	172-2	30719	30158	30265	30380	0.98	cps
Ytterbium	176-1	56490	57307	56018	56605	1.15	cps
Ytterbium	176-2	79407	80413	81433	80417	1.26	cps
Yttrium	89-1	53658864	54948691	55201466	54603007	1.52	cps
Yttrium	89-2	4652226	4792172	4697687	4714028	1.51	cps
Zinc	66-2	669103	666321	662694	666039	0.48	cps
Zirconium	90-1	319404	323119	326574	323032	1.11	cps
Zirconium	91-1	72219	74223	74159	73533	1.55	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD546SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:31:31	DataFile Name :	068AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6951353	6950694	6874402	6925483	0.64	cps
Antimony	121-1	7471036	7569856	7485038	7508643	0.71	cps
Arsenic	75-2	111480	110832	110513	110941	0.44	cps
Barium	135-1	45061541	45978314	45830638	45623498	1.08	cps
Barium	137-1	77202696	78121594	78114771	77813020	0.68	cps
Beryllium	9-1	1104188	1069989	1086233	1086803	1.57	cps
Bismuth	209-1	28356240	28250112	28480934	28362428	0.41	cps
Bismuth	209-2	11579099	11534000	11605809	11572969	0.31	cps
Bromine	81-1	25133	25647	25894	25558	1.52	cps
Cadmium	108-1	67554	68291	68338	68061	0.65	cps
Cadmium	106-1	123543	125100	124472	124372	0.63	cps
Cadmium	111-1	1039816	1048652	1053151	1047206	0.65	cps
Calcium	43-1	1118535	1130925	1135433	1128298	0.78	cps
Calcium	44-1	18683078	18895429	19105848	18894785	1.12	cps
Carbon	12-1	7292045	7471505	7487016	7416855	1.46	cps
Carbon	12-2	71429	71844	71453	71575	0.33	cps
Chlorine	35-1	241668096	248348310	253105723	247707376	2.32	cps
Chlorine	35-2	1282268	1274027	1282076	1279457	0.37	cps
Chromium	52-2	4296754	4326545	4245952	4289750	0.95	cps
Cobalt	59-2	18584464	18555904	18688051	18609473	0.37	cps
Copper	63-2	8868283	8823750	8917890	8869974	0.53	cps
Dysprosium	156-1	313327	318507	317107	316314	0.85	cps
Dysprosium	156-2	107226	108795	109061	108361	0.92	cps
Erbium	164-1	235508	240861	242882	239750	1.59	cps
Erbium	164-2	83634	82225	81900	82587	1.12	cps
Gadolinium	160-1	257768	263639	263236	261548	1.25	cps
Gadolinium	160-2	106088	105446	105523	105686	0.33	cps
Holmium	165-1	47513244	48099088	47115181	47575838	1.04	cps
Holmium	165-2	16619313	16566447	16666785	16617515	0.30	cps
Indium	115-1	34976667	34560796	34974938	34837467	0.69	cps
Indium	115-2	4256797	4197364	4198730	4217630	0.80	cps
Iron	54-2	23429670	23216775	23014226	23220224	0.89	cps
Iron	56-2	422982980	417810260	420202500	420331914	0.62	cps
Iron	57-2	10739003	10737088	10648740	10708277	0.48	cps
Krypton	83-1	1213	1303	1297	1271	3.95	cps
Lead	206-1	4150891	4273924	4286495	4237104	1.77	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD546SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:31:31	DataFile Name :	068AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3658447	3749539	3691379	3699788	1.25	cps
Lead	208-1	16555763	16935812	16820787	16770788	1.16	cps
Lithium	6-1	15926272	16108440	16104110	16046274	0.65	cps
Magnesium	24-2	7528132	7630214	7481971	7546772	1.01	cps
Manganese	55-2	11536238	11606116	11663924	11602092	0.55	cps
Molybdenum	94-1	133328	135731	135550	134870	0.99	cps
Molybdenum	95-1	18853	18923	19123	18966	0.74	cps
Molybdenum	96-1	45327	45966	46732	46008	1.53	cps
Molybdenum	97-1	11718	12009	11965	11897	1.32	cps
Molybdenum	98-1	31185	31389	31085	31220	0.50	cps
Neodymium	150-1	434084	439886	438694	437555	0.70	cps
Neodymium	150-2	113592	115095	114272	114320	0.66	cps
Nickel	60-2	5232066	5173864	5135767	5180566	0.94	cps
Phosphorus	31-2	20388	20184	19533	20035	2.23	cps
Potassium	39-2	3163912	3118179	3152529	3144873	0.76	cps
Rhodium	103-1	31660299	31323579	31108514	31364130	0.89	cps
Rhodium	103-2	12237436	12021031	11997140	12085203	1.10	cps
Scandium	45-1	22759445	22987985	23035101	22927511	0.64	cps
Scandium	45-2	590717	583763	578480	584320	1.05	cps
Selenium	82-1	134768	137347	135459	135858	0.98	cps
Selenium	77-2	3761	3734	3397	3631	5.58	cps
Selenium	78-2	11211	11645	11101	11319	2.54	cps
Silicon	28-1	101102148	101559538	101450998	101370895	0.24	cps
Silver	107-1	5627006	5556619	5631427	5605017	0.75	cps
Silver	109-1	5270485	5389353	5320742	5326860	1.12	cps
Sodium	23-2	209150	206263	207355	207589	0.70	cps
Strontium	86-1	549187	566153	565418	560253	1.71	cps
Strontium	88-1	5013884	5060593	5079099	5051192	0.67	cps
Sulfur	34-1	606786	605453	608209	606816	0.23	cps
Terbium	159-1	48826834	48049154	48057909	48311299	0.92	cps
Terbium	159-2	16477540	16411042	16453123	16447235	0.20	cps
Thallium	203-1	4684338	4713403	4694815	4697519	0.31	cps
Thallium	205-1	10976055	11123029	10993369	11030818	0.73	cps
Tin	118-1	75480	77132	75899	76170	1.13	cps
Titanium	47-1	5046545	5200160	5144697	5130467	1.52	cps
Uranium	238-1	104068	104045	104593	104235	0.30	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD546SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:31:31	DataFile Name :	068AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	8414361	8231619	8213532	8286504	1.34	cps
Ytterbium	172-1	72521	73717	73348	73195	0.84	cps
Ytterbium	172-2	30308	30772	30338	30473	0.85	cps
Ytterbium	176-1	56450	55493	56825	56256	1.22	cps
Ytterbium	176-2	78887	80071	80212	79723	0.91	cps
Yttrium	89-1	54061704	54221276	53937724	54073568	0.26	cps
Yttrium	89-2	4665293	4675947	4626274	4655838	0.56	cps
Zinc	66-2	1729318	1716424	1742415	1729385	0.75	cps
Zirconium	90-1	335729	338584	342260	338858	0.97	cps
Zirconium	91-1	75610	76994	77333	76646	1.19	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-04	Instrumnet Name :	P8
Client Sample ID :	MYD5R3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:34:25	DataFile Name :	069AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10615237	10656369	10602930	10624845	0.26	cps
Antimony	121-1	18049	18446	18947	18480	2.43	cps
Arsenic	75-2	47453	47038	47102	47198	0.47	cps
Barium	135-1	4945203	4892193	4993982	4943793	1.03	cps
Barium	137-1	8391739	8446164	8560378	8466093	1.02	cps
Beryllium	9-1	18811	18750	18855	18805	0.28	cps
Bismuth	209-1	27911932	27843447	28021538	27925639	0.32	cps
Bismuth	209-2	10053379	10528404	11300913	10627565	5.92	cps
Bromine	81-1	39977	41314	42320	41204	2.85	cps
Cadmium	108-1	1840	1817	1977	1878	4.60	cps
Cadmium	106-1	34256	34366	34125	34249	0.35	cps
Cadmium	111-1	27522	27585	27278	27462	0.59	cps
Calcium	43-1	7134107	7204368	7307371	7215282	1.21	cps
Calcium	44-1	117299475	119407268	118581222	118429322	0.90	cps
Carbon	12-1	8291385	8471061	8480600	8414349	1.27	cps
Carbon	12-2	82892	82613	82141	82549	0.46	cps
Chlorine	35-1	235694683	243529710	245456630	241560341	2.14	cps
Chlorine	35-2	1280396	1281210	1287602	1283069	0.31	cps
Chromium	52-2	732234	734949	734380	733854	0.20	cps
Cobalt	59-2	698223	693923	696386	696178	0.31	cps
Copper	63-2	1498642	1525456	1487321	1503807	1.30	cps
Dysprosium	156-1	316108	325790	322842	321580	1.54	cps
Dysprosium	156-2	108731	111003	107320	109018	1.70	cps
Erbium	164-1	236320	244838	243918	241692	1.93	cps
Erbium	164-2	84929	85073	85325	85109	0.24	cps
Gadolinium	160-1	248947	253197	253722	251955	1.04	cps
Gadolinium	160-2	102668	102228	102138	102344	0.28	cps
Holmium	165-1	47464719	47347934	47266699	47359784	0.21	cps
Holmium	165-2	14704287	15667729	16721719	15697912	6.43	cps
Indium	115-1	34429283	34537044	34590318	34518881	0.24	cps
Indium	115-2	3756145	3950238	4195138	3967174	5.55	cps
Iron	54-2	31348970	31320465	31467018	31378818	0.25	cps
Iron	56-2	573424845	566493245	567891538	569269876	0.64	cps
Iron	57-2	14578317	14604049	14469693	14550687	0.49	cps
Krypton	83-1	1020	1093	1057	1057	3.47	cps
Lead	206-1	1038357	1048184	1056379	1047640	0.86	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-04	Instrumnet Name :	P8
Client Sample ID :	MYD5R3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:34:25	DataFile Name :	069AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	881861	894367	895469	890566	0.85	cps
Lead	208-1	4179914	4229977	4245568	4218487	0.81	cps
Lithium	6-1	15843336	16141859	16003250	15996148	0.93	cps
Magnesium	24-2	16404432	16564719	16410575	16459909	0.55	cps
Manganese	55-2	14181472	14153776	14018981	14118077	0.62	cps
Molybdenum	94-1	280567	283357	285914	283279	0.94	cps
Molybdenum	95-1	12225	12349	12102	12225	1.01	cps
Molybdenum	96-1	64171	65403	65875	65150	1.35	cps
Molybdenum	97-1	7275	7686	7389	7450	2.84	cps
Molybdenum	98-1	19143	19250	19000	19131	0.66	cps
Neodymium	150-1	433748	441439	442180	439122	1.06	cps
Neodymium	150-2	117735	116840	116921	117165	0.42	cps
Nickel	60-2	325303	319517	320551	321790	0.96	cps
Phosphorus	31-2	12452	12419	12495	12455	0.31	cps
Potassium	39-2	3825005	3759733	3802254	3795664	0.87	cps
Rhodium	103-1	30747395	30711735	30828762	30762630	0.19	cps
Rhodium	103-2	10778507	11223236	12011177	11337640	5.51	cps
Scandium	45-1	23213006	23823458	23522751	23519739	1.30	cps
Scandium	45-2	550214	558852	604150	571072	5.07	cps
Selenium	82-1	57	-63	87	27	297.67	cps
Selenium	77-2	407	470	493	457	9.82	cps
Selenium	78-2	380	387	370	379	2.21	cps
Silicon	28-1	98657559	100058069	99265452	99327026	0.71	cps
Silver	107-1	15027	14708	14797	14844	1.11	cps
Silver	109-1	7029	6912	6622	6854	3.06	cps
Sodium	23-2	165479	165833	165520	165611	0.12	cps
Strontium	86-1	934890	956183	957284	949452	1.33	cps
Strontium	88-1	8464487	8352980	8522326	8446598	1.02	cps
Sulfur	34-1	613986	618504	615513	616001	0.37	cps
Terbium	159-1	48192763	48110311	47915713	48072929	0.30	cps
Terbium	159-2	14604142	15189684	16106255	15300027	4.95	cps
Thallium	203-1	18854	18440	18780	18691	1.18	cps
Thallium	205-1	44590	45412	45851	45284	1.41	cps
Tin	118-1	78034	80176	80096	79435	1.53	cps
Titanium	47-1	3206760	3226778	3215596	3216378	0.31	cps
Uranium	238-1	101410	104099	103534	103015	1.38	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-04	Instrumnet Name :	P8
Client Sample ID :	MYD5R3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:34:25	DataFile Name :	069AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1111576	1117469	1110370	1113139	0.34	cps
Ytterbium	172-1	87372	87742	89610	88241	1.36	cps
Ytterbium	172-2	36888	37687	37316	37297	1.07	cps
Ytterbium	176-1	67568	67173	66402	67048	0.88	cps
Ytterbium	176-2	77756	81094	83820	80890	3.75	cps
Yttrium	89-1	54966204	54516284	54272146	54584878	0.65	cps
Yttrium	89-2	4192070	4447576	4643603	4427750	5.11	cps
Zinc	66-2	181530	181283	180260	181025	0.37	cps
Zirconium	90-1	759249	773162	771517	767976	0.99	cps
Zirconium	91-1	165800	169885	170620	168768	1.54	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-05	Instrumnet Name :	P8
Client Sample ID :	MYD5R4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:37:33	DataFile Name :	070AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11946979	11708688	11666709	11774125	1.28	cps
Antimony	121-1	40015	41279	40463	40586	1.58	cps
Arsenic	75-2	76482	76537	75916	76312	0.45	cps
Barium	135-1	11619239	11693098	11670617	11660985	0.32	cps
Barium	137-1	20307643	19995962	20174672	20159426	0.78	cps
Beryllium	9-1	17053	16918	16997	16989	0.40	cps
Bismuth	209-1	27919828	27426600	27421577	27589335	1.04	cps
Bismuth	209-2	11315519	11197172	11280768	11264486	0.54	cps
Bromine	81-1	30751	31425	31125	31100	1.09	cps
Cadmium	108-1	2150	2190	1980	2107	5.29	cps
Cadmium	106-1	35014	33982	33821	34273	1.89	cps
Cadmium	111-1	34924	34543	34444	34637	0.73	cps
Calcium	43-1	1671871	1687320	1672333	1677175	0.52	cps
Calcium	44-1	27263365	27023639	27203818	27163607	0.46	cps
Carbon	12-1	12163484	12639797	12582749	12462010	2.09	cps
Carbon	12-2	120341	120878	118667	119962	0.96	cps
Chlorine	35-1	247084830	251515330	257902169	252167443	2.16	cps
Chlorine	35-2	1335188	1328668	1294768	1319541	1.64	cps
Chromium	52-2	882714	871528	866699	873647	0.94	cps
Cobalt	59-2	964617	967255	964279	965384	0.17	cps
Copper	63-2	2810012	2824903	2813140	2816018	0.28	cps
Dysprosium	156-1	337652	337894	342312	339286	0.77	cps
Dysprosium	156-2	114570	114579	113779	114309	0.40	cps
Erbium	164-1	249917	251794	253700	251804	0.75	cps
Erbium	164-2	88606	86878	87885	87789	0.99	cps
Gadolinium	160-1	266043	267551	270308	267967	0.81	cps
Gadolinium	160-2	110856	110382	108682	109973	1.04	cps
Holmium	165-1	46710244	46723561	46444064	46625957	0.34	cps
Holmium	165-2	16680768	16632981	16570788	16628179	0.33	cps
Indium	115-1	34502025	34139467	33904223	34181905	0.88	cps
Indium	115-2	4262937	4112036	4160862	4178612	1.84	cps
Iron	54-2	49540826	49351033	48739268	49210375	0.85	cps
Iron	56-2	893539480	888707293	892434600	891560458	0.28	cps
Iron	57-2	22514460	22976056	22579666	22690060	1.10	cps
Krypton	83-1	910	967	970	949	3.55	cps
Lead	206-1	2413111	2370553	2352684	2378782	1.30	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-05	Instrumnet Name :	P8
Client Sample ID :	MYD5R4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:37:33	DataFile Name :	070AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2041648	2054698	2066737	2054361	0.61	cps
Lead	208-1	9361341	9412228	9358820	9377463	0.32	cps
Lithium	6-1	16501949	16450043	16295731	16415907	0.65	cps
Magnesium	24-2	20385255	20102584	20412706	20300182	0.85	cps
Manganese	55-2	46288136	45646929	45692398	45875821	0.78	cps
Molybdenum	94-1	203516	205180	205000	204565	0.45	cps
Molybdenum	95-1	24966	25537	25193	25232	1.14	cps
Molybdenum	96-1	67128	67171	66555	66951	0.51	cps
Molybdenum	97-1	14998	14791	15372	15054	1.95	cps
Molybdenum	98-1	37661	38360	38670	38230	1.35	cps
Neodymium	150-1	451939	455901	457622	455154	0.64	cps
Neodymium	150-2	120401	120661	120105	120389	0.23	cps
Nickel	60-2	387958	386668	389048	387891	0.31	cps
Phosphorus	31-2	14834	14521	14367	14574	1.63	cps
Potassium	39-2	3769848	3735699	3786995	3764181	0.69	cps
Rhodium	103-1	30896993	30718615	30329570	30648392	0.95	cps
Rhodium	103-2	11944036	11960717	11825158	11909970	0.62	cps
Scandium	45-1	24108238	24143310	23818405	24023318	0.74	cps
Scandium	45-2	617666	608025	614610	613434	0.80	cps
Selenium	82-1	197	217	230	214	7.82	cps
Selenium	77-2	513	520	537	523	2.30	cps
Selenium	78-2	377	463	443	428	10.61	cps
Silicon	28-1	88266855	87559862	87068715	87631811	0.69	cps
Silver	107-1	23013	23642	22944	23200	1.66	cps
Silver	109-1	14081	14484	14217	14261	1.44	cps
Sodium	23-2	176902	175515	176608	176341	0.41	cps
Strontium	86-1	1101265	1103821	1111060	1105382	0.46	cps
Strontium	88-1	9797095	9891530	9920049	9869558	0.65	cps
Sulfur	34-1	662126	660448	657768	660114	0.33	cps
Terbium	159-1	46813261	46794364	46981603	46863076	0.22	cps
Terbium	159-2	16520333	16334672	16093097	16316034	1.31	cps
Thallium	203-1	16584	16517	17101	16734	1.91	cps
Thallium	205-1	40092	39326	39848	39755	0.98	cps
Tin	118-1	83066	83130	83941	83379	0.59	cps
Titanium	47-1	3990752	3990305	4018742	3999933	0.41	cps
Uranium	238-1	129220	127407	129367	128665	0.85	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-05	Instrumnet Name :	P8
Client Sample ID :	MYD5R4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:37:33	DataFile Name :	070AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1774504	1750884	1742948	1756112	0.93	cps
Ytterbium	172-1	83682	84222	85249	84384	0.94	cps
Ytterbium	172-2	35879	35848	34986	35571	1.42	cps
Ytterbium	176-1	63739	65220	64798	64586	1.18	cps
Ytterbium	176-2	81825	83529	82895	82749	1.04	cps
Yttrium	89-1	54540028	53906536	54489543	54312035	0.65	cps
Yttrium	89-2	4628804	4680974	4639591	4649790	0.59	cps
Zinc	66-2	361714	364642	361658	362671	0.47	cps
Zirconium	90-1	521627	525238	526404	524423	0.47	cps
Zirconium	91-1	117224	118296	116146	117222	0.92	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-06	Instrumnet Name :	P8
Client Sample ID :	MYD5R5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:40:35	DataFile Name :	071AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11740566	11724546	11661477	11708863	0.36	cps
Antimony	121-1	46000	45937	45231	45723	0.93	cps
Arsenic	75-2	97350	97078	96336	96921	0.54	cps
Barium	135-1	4903666	4879770	4841209	4874882	0.65	cps
Barium	137-1	8424813	8351436	8141765	8306004	1.77	cps
Beryllium	9-1	17101	16906	16933	16980	0.62	cps
Bismuth	209-1	27146955	28002385	27622417	27590586	1.55	cps
Bismuth	209-2	11351000	11242705	11365192	11319632	0.59	cps
Bromine	81-1	30487	30847	31168	30834	1.11	cps
Cadmium	108-1	2014	1770	1790	1858	7.27	cps
Cadmium	106-1	33547	33310	33511	33456	0.38	cps
Cadmium	111-1	33572	33229	33402	33401	0.51	cps
Calcium	43-1	1052369	1066347	1063020	1060579	0.69	cps
Calcium	44-1	18014673	17663553	17756273	17811499	1.02	cps
Carbon	12-1	10004587	10288637	10281286	10191503	1.59	cps
Carbon	12-2	97987	97796	97846	97876	0.10	cps
Chlorine	35-1	250592543	255783270	257240170	254538661	1.37	cps
Chlorine	35-2	1328863	1310274	1330981	1323373	0.86	cps
Chromium	52-2	913395	910616	914163	912724	0.20	cps
Cobalt	59-2	999417	995631	988019	994356	0.58	cps
Copper	63-2	2677888	2645292	2695942	2673041	0.96	cps
Dysprosium	156-1	310234	311808	312646	311563	0.39	cps
Dysprosium	156-2	107942	108251	106215	107469	1.02	cps
Erbium	164-1	251145	255103	255730	253993	0.98	cps
Erbium	164-2	87589	88804	86928	87774	1.08	cps
Gadolinium	160-1	261150	262958	262738	262282	0.38	cps
Gadolinium	160-2	107922	108790	106659	107790	0.99	cps
Holmium	165-1	47061186	47326811	47490678	47292892	0.46	cps
Holmium	165-2	16763705	16498915	16675189	16645936	0.81	cps
Indium	115-1	33579832	34256413	33731524	33855923	1.05	cps
Indium	115-2	4127867	4170426	4191377	4163223	0.78	cps
Iron	54-2	45884228	45538159	45766224	45729537	0.38	cps
Iron	56-2	845998121	837250681	839147028	840798610	0.55	cps
Iron	57-2	21604155	21320751	21218997	21381301	0.93	cps
Krypton	83-1	963	1063	1057	1028	5.44	cps
Lead	206-1	1590978	1602841	1596601	1596807	0.37	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-06	Instrumnet Name :	P8
Client Sample ID :	MYD5R5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:40:35	DataFile Name :	071AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1370675	1365708	1385758	1374047	0.76	cps
Lead	208-1	6412878	6377352	6460832	6417021	0.65	cps
Lithium	6-1	16302743	16069190	16074135	16148689	0.83	cps
Magnesium	24-2	19505304	19317183	19210984	19344491	0.77	cps
Manganese	55-2	13634250	13763958	13782031	13726746	0.59	cps
Molybdenum	94-1	173750	176224	176393	175456	0.84	cps
Molybdenum	95-1	26011	26308	25807	26042	0.97	cps
Molybdenum	96-1	62038	62633	62526	62399	0.51	cps
Molybdenum	97-1	15849	15455	16360	15888	2.85	cps
Molybdenum	98-1	39814	40335	40532	40227	0.92	cps
Neodymium	150-1	415898	415084	415369	415450	0.10	cps
Neodymium	150-2	110198	110850	110965	110671	0.37	cps
Nickel	60-2	437491	435617	436169	436426	0.22	cps
Phosphorus	31-2	17788	17080	17481	17450	2.03	cps
Potassium	39-2	5358483	5280732	5318023	5319079	0.73	cps
Rhodium	103-1	30688201	30987537	30443590	30706443	0.89	cps
Rhodium	103-2	12022414	11921878	12136129	12026807	0.89	cps
Scandium	45-1	23822589	23933111	24149485	23968395	0.69	cps
Scandium	45-2	615901	612711	613445	614019	0.27	cps
Selenium	82-1	537	413	153	368	53.21	cps
Selenium	77-2	497	510	557	521	6.05	cps
Selenium	78-2	423	393	377	398	5.95	cps
Silicon	28-1	79497574	80117905	78946800	79520760	0.74	cps
Silver	107-1	26610	26915	26546	26690	0.74	cps
Silver	109-1	16600	16340	16360	16433	0.88	cps
Sodium	23-2	234999	233339	233251	233863	0.42	cps
Strontium	86-1	1291136	1305874	1305946	1300985	0.66	cps
Strontium	88-1	11586777	11612610	11519076	11572821	0.42	cps
Sulfur	34-1	623022	619076	615677	619258	0.59	cps
Terbium	159-1	46994841	47784594	47554754	47444730	0.86	cps
Terbium	159-2	16306806	16338997	16445641	16363815	0.44	cps
Thallium	203-1	14575	14565	14642	14594	0.29	cps
Thallium	205-1	35211	35261	34416	34963	1.36	cps
Tin	118-1	78319	79640	79412	79123	0.89	cps
Titanium	47-1	4187462	4179114	4180035	4182204	0.11	cps
Uranium	238-1	131711	133160	131162	132011	0.78	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-06	Instrumnet Name :	P8
Client Sample ID :	MYD5R5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:40:35	DataFile Name :	071AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1922904	1913159	1919569	1918544	0.26	cps
Ytterbium	172-1	86443	86819	87849	87037	0.84	cps
Ytterbium	172-2	36731	36286	36340	36452	0.67	cps
Ytterbium	176-1	65076	64912	65418	65135	0.40	cps
Ytterbium	176-2	82224	83773	82630	82876	0.97	cps
Yttrium	89-1	54053611	54041569	54189693	54094958	0.15	cps
Yttrium	89-2	4724987	4692094	4669488	4695523	0.59	cps
Zinc	66-2	262179	261246	263120	262182	0.36	cps
Zirconium	90-1	438514	441225	446198	441979	0.88	cps
Zirconium	91-1	97481	99707	99535	98908	1.25	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-07	Instrumnet Name :	P8
Client Sample ID :	MYD5R6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:43:41	DataFile Name :	072AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8214026	8189318	8261655	8221666	0.45	cps
Antimony	121-1	44335	44680	45646	44887	1.51	cps
Arsenic	75-2	77146	75873	77565	76862	1.15	cps
Barium	135-1	3455586	3458975	3431905	3448822	0.43	cps
Barium	137-1	5970724	5860631	5807147	5879500	1.42	cps
Beryllium	9-1	14030	14268	14039	14113	0.95	cps
Bismuth	209-1	28002287	27905795	27982899	27963660	0.18	cps
Bismuth	209-2	11323226	11355829	11387308	11355454	0.28	cps
Bromine	81-1	38660	39479	39960	39366	1.67	cps
Cadmium	108-1	1167	1163	1250	1193	4.12	cps
Cadmium	106-1	31346	31279	30734	31120	1.08	cps
Cadmium	111-1	28821	28583	28498	28634	0.58	cps
Calcium	43-1	1468176	1503391	1474329	1481965	1.27	cps
Calcium	44-1	23799451	24275603	23907008	23994021	1.04	cps
Carbon	12-1	17635938	18253378	18392319	18093878	2.23	cps
Carbon	12-2	175095	175757	174286	175046	0.42	cps
Chlorine	35-1	240765696	246490490	249546396	245600861	1.81	cps
Chlorine	35-2	1279511	1263828	1281723	1275020	0.77	cps
Chromium	52-2	682011	680392	681204	681202	0.12	cps
Cobalt	59-2	725060	722574	720697	722777	0.30	cps
Copper	63-2	2047595	2058273	2056581	2054149	0.28	cps
Dysprosium	156-1	241976	240803	242658	241812	0.39	cps
Dysprosium	156-2	81563	80554	81540	81219	0.71	cps
Erbium	164-1	186714	184811	187648	186391	0.78	cps
Erbium	164-2	63973	65474	65594	65014	1.39	cps
Gadolinium	160-1	191142	193825	196669	193879	1.43	cps
Gadolinium	160-2	78305	78583	79042	78643	0.47	cps
Holmium	165-1	46929219	46449151	46468161	46615510	0.58	cps
Holmium	165-2	16538999	16404414	16342922	16428778	0.61	cps
Indium	115-1	34389391	34048261	34362748	34266800	0.55	cps
Indium	115-2	4236535	4118712	4196730	4183992	1.43	cps
Iron	54-2	35112399	35371283	35594022	35359235	0.68	cps
Iron	56-2	642137470	641641057	645937044	643238524	0.37	cps
Iron	57-2	16301582	16347961	16234380	16294641	0.35	cps
Krypton	83-1	1063	913	940	972	8.23	cps
Lead	206-1	1126341	1141273	1142118	1136577	0.78	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-07	Instrumnet Name :	P8
Client Sample ID :	MYD5R6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:43:41	DataFile Name :	072AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	974028	983386	986361	981258	0.66	cps
Lead	208-1	4537840	4577223	4549256	4554773	0.44	cps
Lithium	6-1	15808208	15812234	16127951	15916131	1.15	cps
Magnesium	24-2	14667036	14685388	14638718	14663714	0.16	cps
Manganese	55-2	9280112	9238909	9203741	9240921	0.41	cps
Molybdenum	94-1	120143	121350	122312	121268	0.90	cps
Molybdenum	95-1	36010	36715	36618	36448	1.05	cps
Molybdenum	96-1	61746	62821	63153	62573	1.17	cps
Molybdenum	97-1	23006	22989	23046	23014	0.13	cps
Molybdenum	98-1	58958	58138	59721	58939	1.34	cps
Neodymium	150-1	316897	312165	317458	315507	0.92	cps
Neodymium	150-2	85067	83846	85138	84684	0.86	cps
Nickel	60-2	317698	320672	320924	319764	0.56	cps
Phosphorus	31-2	25866	26110	26968	26315	2.20	cps
Potassium	39-2	6843964	6782482	6789571	6805339	0.49	cps
Rhodium	103-1	30635700	30342700	31124225	30700875	1.29	cps
Rhodium	103-2	12165780	11894941	12100844	12053855	1.17	cps
Scandium	45-1	23097161	23233399	23419497	23250019	0.70	cps
Scandium	45-2	594452	589663	595372	593162	0.52	cps
Selenium	82-1	-13	217	253	152	94.95	cps
Selenium	77-2	387	390	383	387	0.86	cps
Selenium	78-2	257	323	340	307	14.38	cps
Silicon	28-1	80930825	80090257	80920524	80647202	0.60	cps
Silver	107-1	17841	18077	17838	17919	0.77	cps
Silver	109-1	7692	7752	7732	7726	0.40	cps
Sodium	23-2	1995518	2059225	2081108	2045284	2.17	cps
Strontium	86-1	1318885	1325331	1330211	1324809	0.43	cps
Strontium	88-1	11815081	11893246	11856583	11854970	0.33	cps
Sulfur	34-1	858051	858920	856297	857756	0.16	cps
Terbium	159-1	47501698	47242708	47583254	47442553	0.37	cps
Terbium	159-2	16344179	16189942	16396206	16310109	0.66	cps
Thallium	203-1	10681	11078	11108	10956	2.18	cps
Thallium	205-1	26220	26504	26614	26446	0.77	cps
Tin	118-1	56131	56751	58578	57153	2.23	cps
Titanium	47-1	2995741	3032204	2982842	3003595	0.85	cps
Uranium	238-1	113908	114585	114355	114283	0.30	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-07	Instrumnet Name :	P8
Client Sample ID :	MYD5R6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:43:41	DataFile Name :	072AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1518704	1558768	1595746	1557739	2.47	cps
Ytterbium	172-1	62795	62202	63220	62739	0.82	cps
Ytterbium	172-2	26233	26012	26153	26133	0.43	cps
Ytterbium	176-1	49111	49680	50151	49647	1.05	cps
Ytterbium	176-2	75625	76768	76392	76262	0.76	cps
Yttrium	89-1	52959938	52595814	53178371	52911374	0.56	cps
Yttrium	89-2	4618617	4613556	4620248	4617474	0.08	cps
Zinc	66-2	285795	286496	281805	284699	0.89	cps
Zirconium	90-1	271128	278298	279534	276320	1.64	cps
Zirconium	91-1	62329	63360	63484	63057	1.01	cps

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-08	Instrumnet Name :	P8
Client Sample ID :	MYD5R7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:46:44	DataFile Name :	073AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9769317	9371516	9530058	9556963	2.10	cps
Antimony	121-1	49706	49339	50673	49906	1.38	cps
Arsenic	75-2	91900	89904	90049	90618	1.23	cps
Barium	135-1	4322100	4393198	4400333	4371877	0.99	cps
Barium	137-1	7326761	7424544	7451597	7400967	0.89	cps
Beryllium	9-1	14422	14277	14389	14363	0.53	cps
Bismuth	209-1	27580416	27026463	27619622	27408834	1.21	cps
Bismuth	209-2	11141763	11919397	11337793	11466318	3.53	cps
Bromine	81-1	26412	27093	26452	26652	1.43	cps
Cadmium	108-1	2380	2384	2414	2392	0.77	cps
Cadmium	106-1	33487	32495	33073	33018	1.51	cps
Cadmium	111-1	39787	39574	39807	39723	0.33	cps
Calcium	43-1	1011271	1024461	1029027	1021586	0.90	cps
Calcium	44-1	16976586	17263406	17157979	17132657	0.85	cps
Carbon	12-1	8417324	8497780	8513671	8476258	0.61	cps
Carbon	12-2	81085	81152	79915	80717	0.86	cps
Chlorine	35-1	240925803	249184550	250935250	247015201	2.16	cps
Chlorine	35-2	1291130	1273223	1249985	1271446	1.62	cps
Chromium	52-2	764332	755292	753300	757641	0.78	cps
Cobalt	59-2	908611	889539	901928	900026	1.08	cps
Copper	63-2	3829559	3814077	3742177	3795271	1.23	cps
Dysprosium	156-1	286570	294184	293545	291433	1.45	cps
Dysprosium	156-2	98392	97448	99228	98356	0.91	cps
Erbium	164-1	235849	237294	237677	236940	0.41	cps
Erbium	164-2	81830	80854	81662	81448	0.64	cps
Gadolinium	160-1	238147	238102	238576	238275	0.11	cps
Gadolinium	160-2	98389	96919	96989	97432	0.85	cps
Holmium	165-1	46700763	46943584	46446416	46696921	0.53	cps
Holmium	165-2	16129852	17324780	16517497	16657376	3.66	cps
Indium	115-1	33332093	33487584	33719288	33512988	0.58	cps
Indium	115-2	4060430	4301620	4121433	4161161	3.01	cps
Iron	54-2	40899267	40045529	40832237	40592344	1.17	cps
Iron	56-2	759184949	750891562	744897429	751657980	0.95	cps
Iron	57-2	18809838	18658279	18966048	18811389	0.82	cps
Krypton	83-1	1083	1127	1133	1115	2.44	cps
Lead	206-1	3044909	2997478	2919023	2987136	2.13	cps

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-08	Instrumnet Name :	P8
Client Sample ID :	MYD5R7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:46:44	DataFile Name :	073AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2553419	2577966	2561680	2564355	0.49	cps
Lead	208-1	11718795	11740156	11712772	11723908	0.12	cps
Lithium	6-1	15784346	15588813	15535925	15636361	0.84	cps
Magnesium	24-2	16184171	15894274	16143095	16073846	0.98	cps
Manganese	55-2	12474842	12196057	12385484	12352128	1.15	cps
Molybdenum	94-1	191505	192702	191640	191949	0.34	cps
Molybdenum	95-1	21397	20933	21734	21354	1.88	cps
Molybdenum	96-1	60451	61000	60722	60724	0.45	cps
Molybdenum	97-1	12516	13076	12996	12863	2.36	cps
Molybdenum	98-1	33784	32729	33444	33319	1.62	cps
Neodymium	150-1	394558	396328	397915	396267	0.42	cps
Neodymium	150-2	104143	105343	103955	104480	0.72	cps
Nickel	60-2	388324	381972	380570	383622	1.08	cps
Phosphorus	31-2	16583	15869	16082	16178	2.27	cps
Potassium	39-2	3674548	3622546	3596077	3631057	1.10	cps
Rhodium	103-1	30513475	30352921	30467211	30444536	0.27	cps
Rhodium	103-2	11542697	12527877	11946434	12005670	4.13	cps
Scandium	45-1	23453291	23267755	23503816	23408287	0.53	cps
Scandium	45-2	579926	615473	593258	596219	3.01	cps
Selenium	82-1	113	117	210	147	37.41	cps
Selenium	77-2	410	460	487	452	8.61	cps
Selenium	78-2	360	340	400	367	8.33	cps
Silicon	28-1	94181835	93284202	93876669	93780902	0.49	cps
Silver	107-1	30822	31486	31527	31278	1.27	cps
Silver	109-1	22258	22218	22275	22250	0.13	cps
Sodium	23-2	154063	154255	151574	153298	0.98	cps
Strontium	86-1	1060820	1079492	1069107	1069806	0.87	cps
Strontium	88-1	9394422	9340254	9365519	9366732	0.29	cps
Sulfur	34-1	602298	597525	594350	598058	0.67	cps
Terbium	159-1	46592674	47420134	46830979	46947929	0.91	cps
Terbium	159-2	15694822	17077206	16522358	16431462	4.23	cps
Thallium	203-1	15383	15436	16240	15686	3.06	cps
Thallium	205-1	37394	38026	37972	37797	0.93	cps
Tin	118-1	68507	70309	69830	69549	1.34	cps
Titanium	47-1	4119044	4184153	4184893	4162697	0.91	cps
Uranium	238-1	135656	136049	139104	136936	1.38	cps

Reviewed By:mohan
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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-08	Instrumnet Name :	P8
Client Sample ID :	MYD5R7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:46:44	DataFile Name :	073AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1758327	1699689	1720175	1726064	1.72	cps
Ytterbium	172-1	80449	81868	83779	82032	2.04	cps
Ytterbium	172-2	34271	34264	33439	33991	1.41	cps
Ytterbium	176-1	62296	61573	62621	62163	0.86	cps
Ytterbium	176-2	78446	82744	81684	80958	2.77	cps
Yttrium	89-1	52553778	53624253	52980576	53052869	1.02	cps
Yttrium	89-2	4481567	4771680	4595195	4616148	3.17	cps
Zinc	66-2	313471	306347	311400	310406	1.18	cps
Zirconium	90-1	490796	497251	496096	494714	0.70	cps
Zirconium	91-1	111347	111347	110500	111065	0.44	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-09	Instrumnet Name :	P8
Client Sample ID :	MYD5R8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:49:48	DataFile Name :	074AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8442081	8486764	8395125	8441323	0.54	cps
Antimony	121-1	16720	17328	17191	17080	1.87	cps
Arsenic	75-2	50483	50323	50637	50481	0.31	cps
Barium	135-1	7872914	7840772	7750348	7821345	0.81	cps
Barium	137-1	13735440	13494809	13487651	13572634	1.04	cps
Beryllium	9-1	14091	13982	13733	13935	1.32	cps
Bismuth	209-1	27627753	27499873	26823590	27317072	1.58	cps
Bismuth	209-2	11162894	11189031	11057241	11136388	0.63	cps
Bromine	81-1	41020	43360	42484	42288	2.80	cps
Cadmium	108-1	1130	1260	1297	1229	7.13	cps
Cadmium	106-1	32208	31703	31195	31702	1.60	cps
Cadmium	111-1	26989	26581	26367	26646	1.19	cps
Calcium	43-1	10167682	10150487	10208400	10175523	0.29	cps
Calcium	44-1	168372347	167496688	164537174	166802070	1.20	cps
Carbon	12-1	9345122	9621424	9624538	9530362	1.68	cps
Carbon	12-2	91546	92166	91459	91724	0.42	cps
Chlorine	35-1	243412416	246275170	249556330	246414639	1.25	cps
Chlorine	35-2	1263575	1259321	1261066	1261320	0.17	cps
Chromium	52-2	618217	622097	618693	619669	0.34	cps
Cobalt	59-2	674702	680208	675772	676894	0.43	cps
Copper	63-2	1346519	1348915	1348383	1347939	0.09	cps
Dysprosium	156-1	274769	273635	276892	275099	0.60	cps
Dysprosium	156-2	88558	87024	89614	88399	1.47	cps
Erbium	164-1	189523	192840	192422	191595	0.94	cps
Erbium	164-2	67132	65778	65567	66159	1.28	cps
Gadolinium	160-1	202575	203044	203384	203001	0.20	cps
Gadolinium	160-2	83670	82120	81584	82458	1.31	cps
Holmium	165-1	47144748	46897559	46241229	46761179	1.00	cps
Holmium	165-2	16306866	16493854	16178617	16326445	0.97	cps
Indium	115-1	34048447	33389623	33589327	33675799	1.00	cps
Indium	115-2	4117665	4104671	4133448	4118595	0.35	cps
Iron	54-2	28408129	28002096	27881450	28097225	0.98	cps
Iron	56-2	519902899	520238712	517488712	519210108	0.29	cps
Iron	57-2	12950095	13274761	13144991	13123282	1.25	cps
Krypton	83-1	743	750	783	759	2.82	cps
Lead	206-1	1268303	1283941	1289258	1280501	0.85	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-09	Instrumnet Name :	P8
Client Sample ID :	MYD5R8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:49:48	DataFile Name :	074AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1094674	1114727	1114776	1108059	1.05	cps
Lead	208-1	5151526	5213446	5170666	5178546	0.61	cps
Lithium	6-1	15204267	15197620	15165871	15189253	0.14	cps
Magnesium	24-2	14814706	14762211	14705460	14760792	0.37	cps
Manganese	55-2	25631039	25505675	25523225	25553313	0.27	cps
Molybdenum	94-1	136629	137047	136862	136846	0.15	cps
Molybdenum	95-1	12719	12819	12736	12758	0.42	cps
Molybdenum	96-1	39242	40562	40275	40026	1.73	cps
Molybdenum	97-1	7479	7522	7726	7575	1.74	cps
Molybdenum	98-1	18729	18920	19280	18976	1.47	cps
Neodymium	150-1	353792	357525	355738	355685	0.52	cps
Neodymium	150-2	94862	93530	93406	93932	0.86	cps
Nickel	60-2	287939	289512	286216	287889	0.57	cps
Phosphorus	31-2	9530	10037	9807	9791	2.59	cps
Potassium	39-2	2578768	2592082	2562717	2577856	0.57	cps
Rhodium	103-1	30252057	29855083	29904840	30003993	0.72	cps
Rhodium	103-2	11821377	11583216	11602785	11669126	1.13	cps
Scandium	45-1	22855513	22931243	22475916	22754224	1.07	cps
Scandium	45-2	583319	577950	574658	578642	0.76	cps
Selenium	82-1	63	143	97	101	39.74	cps
Selenium	77-2	377	367	343	362	4.72	cps
Selenium	78-2	347	353	290	330	10.55	cps
Silicon	28-1	104607922	104485478	102822385	103971928	0.96	cps
Silver	107-1	14341	14130	13900	14124	1.56	cps
Silver	109-1	6602	6538	6758	6633	1.71	cps
Sodium	23-2	148924	147517	146611	147684	0.79	cps
Strontium	86-1	985852	994638	989375	989955	0.45	cps
Strontium	88-1	8940202	8889521	8730805	8853509	1.23	cps
Sulfur	34-1	607789	603377	599261	603475	0.71	cps
Terbium	159-1	47925483	46734896	47310563	47323647	1.26	cps
Terbium	159-2	16230527	16182315	16114667	16175836	0.36	cps
Thallium	203-1	13971	14228	14171	14123	0.96	cps
Thallium	205-1	34406	34289	33921	34205	0.74	cps
Tin	118-1	67251	67680	67653	67528	0.36	cps
Titanium	47-1	2635210	2688091	2608770	2644024	1.53	cps
Uranium	238-1	93413	94277	93511	93734	0.50	cps

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-09	Instrumnet Name :	P8
Client Sample ID :	MYD5R8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:49:48	DataFile Name :	074AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1063049	1050421	1052671	1055381	0.64	cps
Ytterbium	172-1	64563	65524	65437	65175	0.82	cps
Ytterbium	172-2	26333	27535	26697	26855	2.30	cps
Ytterbium	176-1	51205	52504	51530	51746	1.31	cps
Ytterbium	176-2	76714	77257	76781	76918	0.39	cps
Yttrium	89-1	53328656	53089701	51086354	52501570	2.35	cps
Yttrium	89-2	4618700	4484897	4470797	4524798	1.80	cps
Zinc	66-2	191529	189722	188188	189813	0.88	cps
Zirconium	90-1	355230	358821	359928	357993	0.69	cps
Zirconium	91-1	80222	81801	80233	80752	1.13	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV009	Instrumnet Name :	P8
Client Sample ID :	CCV009	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:52:56	DataFile Name :	075CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9180908	9200976	9419306	9267063	1.43	cps
Antimony	121-1	11617126	11661926	11576842	11618631	0.37	cps
Arsenic	75-2	249965	250666	249889	250173	0.17	cps
Barium	135-1	17633081	17601476	17387878	17540812	0.76	cps
Barium	137-1	29739653	29891716	29910920	29847430	0.31	cps
Beryllium	9-1	3866990	3891559	3826138	3861563	0.86	cps
Bismuth	209-1	23643721	23278648	23192964	23371778	1.02	cps
Bismuth	209-2	9777794	9752722	9834603	9788373	0.43	cps
Bromine	81-1	21019	20936	21079	21011	0.34	cps
Cadmium	108-1	287475	287445	288342	287754	0.18	cps
Cadmium	106-1	432030	430927	430725	431227	0.16	cps
Cadmium	111-1	3341388	3338517	3312638	3330848	0.48	cps
Calcium	43-1	23330721	23515689	23191149	23345853	0.70	cps
Calcium	44-1	378482541	376714274	380886714	378694510	0.55	cps
Carbon	12-1	4738405	4856911	4896086	4830467	1.70	cps
Carbon	12-2	54263	54276	53667	54069	0.64	cps
Chlorine	35-1	9802954	8994613	8477575	9091714	7.35	cps
Chlorine	35-2	37542	35844	34862	36083	3.76	cps
Chromium	52-2	3304608	3263379	3301687	3289891	0.70	cps
Cobalt	59-2	5957959	5913376	5886418	5919251	0.61	cps
Copper	63-2	44967459	44563218	44401203	44643960	0.65	cps
Dysprosium	156-1	1517	1573	1603	1565	2.81	cps
Dysprosium	156-2	437	457	517	470	8.86	cps
Erbium	164-1	883	793	867	848	5.65	cps
Erbium	164-2	357	310	243	303	18.78	cps
Gadolinium	160-1	997	1110	1020	1042	5.74	cps
Gadolinium	160-2	920	950	887	919	3.45	cps
Holmium	165-1	42768312	43266769	42812337	42949139	0.64	cps
Holmium	165-2	15281543	15684631	15946152	15637442	2.14	cps
Indium	115-1	30300309	30148307	30075148	30174588	0.38	cps
Indium	115-2	3979631	3871867	3923619	3925039	1.37	cps
Iron	54-2	35727997	35815919	36094569	35879495	0.53	cps
Iron	56-2	662751177	655604964	649946457	656100866	0.98	cps
Iron	57-2	16686193	16854231	16384458	16641627	1.43	cps
Krypton	83-1	353	373	310	346	9.37	cps
Lead	206-1	57635642	58384546	57702022	57907404	0.72	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV009	Instrumnet Name :	P8
Client Sample ID :	CCV009	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:52:56	DataFile Name :	075CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	49594396	50074168	48967119	49545228	1.12	cps
Lead	208-1	228302417	229503862	227995607	228600628	0.35	cps
Lithium	6-1	14455155	14548764	14389143	14464354	0.55	cps
Magnesium	24-2	122002155	121719785	121576675	121766205	0.18	cps
Manganese	55-2	17311459	17310511	17503524	17375165	0.64	cps
Molybdenum	94-1	50810339	50461519	50968553	50746804	0.51	cps
Molybdenum	95-1	73889347	73089122	73956317	73644929	0.66	cps
Molybdenum	96-1	81519232	82189035	80944589	81550952	0.76	cps
Molybdenum	97-1	46284963	46204218	45362304	45950495	1.11	cps
Molybdenum	98-1	119286228	118378302	119168532	118944354	0.42	cps
Neodymium	150-1	2960	3034	3000	2998	1.22	cps
Neodymium	150-2	187	193	190	190	1.76	cps
Nickel	60-2	1590410	1597645	1564662	1584239	1.09	cps
Phosphorus	31-2	75706	75823	75803	75777	0.08	cps
Potassium	39-2	46051773	46133801	45960649	46048741	0.19	cps
Rhodium	103-1	26277135	26489525	26085931	26284197	0.77	cps
Rhodium	103-2	10540417	10394531	10583386	10506111	0.94	cps
Scandium	45-1	20884056	20694841	20558170	20712356	0.79	cps
Scandium	45-2	556236	558599	552717	555851	0.53	cps
Selenium	82-1	196367	196627	195483	196159	0.31	cps
Selenium	77-2	5038	4884	5261	5061	3.74	cps
Selenium	78-2	17044	17217	17104	17122	0.51	cps
Silicon	28-1	36251407	36116914	36032818	36133713	0.31	cps
Silver	107-1	16852801	16750551	16848736	16817363	0.34	cps
Silver	109-1	15042039	15314225	15341739	15232668	1.09	cps
Sodium	23-2	256209116	256743263	253992156	255648178	0.57	cps
Strontium	86-1	118205225	118055555	117348398	117869726	0.39	cps
Strontium	88-1	1012701905	1002096812	999510172	1004769629	0.70	cps
Sulfur	34-1	1870011	1833367	1854549	1852643	0.99	cps
Terbium	159-1	43161509	43869634	43087381	43372842	1.00	cps
Terbium	159-2	15356786	15424434	15270963	15350728	0.50	cps
Thallium	203-1	13967580	14148301	14108193	14074692	0.67	cps
Thallium	205-1	33434455	33744608	33784272	33654445	0.57	cps
Tin	118-1	11649245	11694234	11612029	11651836	0.35	cps
Titanium	47-1	21333618	21272503	21668756	21424959	1.00	cps
Uranium	238-1	50962488	50214798	49974681	50383989	1.02	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV009	Instrumnet Name :	P8
Client Sample ID :	CCV009	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:52:56	DataFile Name :	075CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2633768	2679705	2626542	2646671	1.09	cps
Ytterbium	172-1	1100	1057	1157	1105	4.54	cps
Ytterbium	172-2	450	423	463	446	4.57	cps
Ytterbium	176-1	77951	79296	78853	78700	0.87	cps
Ytterbium	176-2	82100	81878	82784	82254	0.57	cps
Yttrium	89-1	47420994	47460119	46292418	47057844	1.41	cps
Yttrium	89-2	4238198	4327805	4276584	4280862	1.05	cps
Zinc	66-2	4425828	4377825	4405785	4403146	0.55	cps
Zirconium	90-1	25196740	24957467	24572807	24909005	1.26	cps
Zirconium	91-1	5569923	5456224	5518995	5515047	1.03	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB009	Instrumnet Name :	P8
Client Sample ID :	CCB009	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:55:50	DataFile Name :	076CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	327	283	340	317	9.36	cps
Antimony	121-1	4321	5581	7722	5875	29.27	cps
Arsenic	75-2	10	10	27	16	61.87	cps
Barium	135-1	947	733	770	817	13.97	cps
Barium	137-1	1687	1423	1173	1428	17.98	cps
Beryllium	9-1	861	696	736	764	11.30	cps
Bismuth	209-1	29630490	29792183	29450445	29624372	0.58	cps
Bismuth	209-2	12660210	12538335	12715185	12637910	0.72	cps
Bromine	81-1	21533	21547	21503	21528	0.10	cps
Cadmium	108-1	80	83	77	80	4.16	cps
Cadmium	106-1	28550	28456	28596	28534	0.25	cps
Cadmium	111-1	20212	20041	20124	20126	0.43	cps
Calcium	43-1	1327	907	843	1026	25.62	cps
Calcium	44-1	23311	19093	15653	19352	19.82	cps
Carbon	12-1	3727345	3670553	3672667	3690188	0.87	cps
Carbon	12-2	35068	34410	34100	34526	1.43	cps
Chlorine	35-1	4516479	4212713	3989320	4239504	6.24	cps
Chlorine	35-2	18459	17681	16703	17614	4.99	cps
Chromium	52-2	1077	1130	1187	1131	4.86	cps
Cobalt	59-2	417	393	443	418	5.99	cps
Copper	63-2	6645	6742	6698	6695	0.72	cps
Dysprosium	156-1	423	363	377	388	8.12	cps
Dysprosium	156-2	30	40	40	37	15.75	cps
Erbium	164-1	297	307	293	299	2.32	cps
Erbium	164-2	103	140	127	123	15.05	cps
Gadolinium	160-1	510	473	443	476	7.02	cps
Gadolinium	160-2	747	737	680	721	4.99	cps
Holmium	165-1	47679716	47870648	47089136	47546500	0.86	cps
Holmium	165-2	17517421	17628860	17499448	17548576	0.40	cps
Indium	115-1	35450996	35528761	35481102	35486953	0.11	cps
Indium	115-2	4603583	4482640	4699897	4595374	2.37	cps
Iron	54-2	1830	1687	1860	1792	5.17	cps
Iron	56-2	29135	24300	22132	25189	14.23	cps
Iron	57-2	693	740	717	717	3.26	cps
Krypton	83-1	233	233	307	258	16.42	cps
Lead	206-1	5151	4064	3697	4304	17.57	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB009	Instrumnet Name :	P8
Client Sample ID :	CCB009	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:55:50	DataFile Name :	076CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4147	3841	3050	3680	15.38	cps
Lead	208-1	19720	16925	16146	17597	10.68	cps
Lithium	6-1	15340799	15328665	15220898	15296787	0.43	cps
Magnesium	24-2	1897	2054	1700	1884	9.40	cps
Manganese	55-2	2087	2180	1970	2079	5.06	cps
Molybdenum	94-1	4404	3440	4131	3992	12.44	cps
Molybdenum	95-1	3918	3401	4061	3793	9.16	cps
Molybdenum	96-1	4388	3751	3871	4003	8.46	cps
Molybdenum	97-1	2250	1954	2134	2112	7.08	cps
Molybdenum	98-1	5501	6272	5211	5662	9.69	cps
Neodymium	150-1	100	93	130	108	18.12	cps
Neodymium	150-2	13	7	0	7	99.98	cps
Nickel	60-2	277	383	327	329	16.23	cps
Phosphorus	31-2	227	173	177	192	15.54	cps
Potassium	39-2	15155	14788	15138	15027	1.38	cps
Rhodium	103-1	32350542	32448859	31963163	32254188	0.80	cps
Rhodium	103-2	12968511	12928762	13268369	13055214	1.42	cps
Scandium	45-1	22520462	22265159	22324073	22369898	0.60	cps
Scandium	45-2	578405	581884	578105	579465	0.36	cps
Selenium	82-1	13	-20	-107	-38	-163.96	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	17	0	10	9	94.38	cps
Silicon	28-1	593480	585851	576966	585432	1.41	cps
Silver	107-1	7738	1279	1098	3371	112.19	cps
Silver	109-1	1093	1083	737	971	20.92	cps
Sodium	23-2	38498	37569	35998	37355	3.38	cps
Strontium	86-1	4038	2667	1864	2856	38.49	cps
Strontium	88-1	31465	23746	17822	24344	28.10	cps
Sulfur	34-1	568263	568468	569505	568746	0.12	cps
Terbium	159-1	48435859	47914213	47399178	47916417	1.08	cps
Terbium	159-2	17690066	17215968	17295842	17400625	1.46	cps
Thallium	203-1	2880	2547	2250	2559	12.32	cps
Thallium	205-1	7092	5848	5535	6158	13.38	cps
Tin	118-1	3521	3300	3137	3319	5.80	cps
Titanium	47-1	1017	770	597	794	26.57	cps
Uranium	238-1	1657	1374	1130	1387	19.01	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB009	Instrumnet Name :	P8
Client Sample ID :	CCB009	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:55:50	DataFile Name :	076CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	57	47	27	43	35.25	cps
Ytterbium	172-1	307	300	273	293	6.01	cps
Ytterbium	172-2	157	147	143	149	4.66	cps
Ytterbium	176-1	10681	10508	10711	10633	1.03	cps
Ytterbium	176-2	62092	64242	63773	63369	1.78	cps
Yttrium	89-1	50481633	50809871	50385306	50558936	0.44	cps
Yttrium	89-2	4590768	4564932	4605183	4586961	0.44	cps
Zinc	66-2	1930	1977	2014	1973	2.12	cps
Zirconium	90-1	6235	5721	5775	5910	4.78	cps
Zirconium	91-1	1267	1163	1237	1222	4.35	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-10	Instrumnet Name :	P8
Client Sample ID :	MYD5R9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:59:07	DataFile Name :	077AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13648369	13380339	13675203	13567970	1.20	cps
Antimony	121-1	21096	21787	22275	21720	2.73	cps
Arsenic	75-2	95658	97179	97078	96639	0.88	cps
Barium	135-1	5755606	5700642	5812362	5756203	0.97	cps
Barium	137-1	9846359	9795575	9992670	9878201	1.04	cps
Beryllium	9-1	19675	19773	19640	19696	0.35	cps
Bismuth	209-1	27511345	27677630	27967263	27718746	0.83	cps
Bismuth	209-2	11410035	11331959	11393694	11378563	0.36	cps
Bromine	81-1	37336	37630	38967	37978	2.29	cps
Cadmium	108-1	1890	1733	1923	1849	5.49	cps
Cadmium	106-1	34964	34881	34480	34775	0.74	cps
Cadmium	111-1	29187	29104	29144	29145	0.14	cps
Calcium	43-1	1358271	1349324	1331463	1346353	1.01	cps
Calcium	44-1	21703068	21809300	21480858	21664409	0.77	cps
Carbon	12-1	9505594	9948101	10048998	9834231	2.94	cps
Carbon	12-2	96027	96883	96701	96537	0.47	cps
Chlorine	35-1	245274856	253915323	260294596	253161592	2.98	cps
Chlorine	35-2	1321146	1337337	1336837	1331773	0.69	cps
Chromium	52-2	924008	922273	924881	923721	0.14	cps
Cobalt	59-2	843642	847844	851165	847550	0.44	cps
Copper	63-2	1924677	1893397	1892178	1903417	0.97	cps
Dysprosium	156-1	365992	370819	378070	371627	1.64	cps
Dysprosium	156-2	129752	130096	129551	129799	0.21	cps
Erbium	164-1	289931	290484	299210	293208	1.78	cps
Erbium	164-2	101910	103371	102521	102601	0.72	cps
Gadolinium	160-1	309694	314200	316379	313424	1.09	cps
Gadolinium	160-2	128291	128007	128391	128230	0.16	cps
Holmium	165-1	48062118	47640729	48751374	48151407	1.16	cps
Holmium	165-2	16867368	16964122	16954277	16928589	0.31	cps
Indium	115-1	34333211	34433840	34773479	34513510	0.67	cps
Indium	115-2	4269679	4289079	4257238	4271999	0.38	cps
Iron	54-2	43522478	43300109	43357461	43393349	0.27	cps
Iron	56-2	794119855	783953055	801663615	793245508	1.12	cps
Iron	57-2	20130163	20169058	20202241	20167154	0.18	cps
Krypton	83-1	800	730	707	746	6.52	cps
Lead	206-1	858537	874150	886033	872906	1.58	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-10	Instrumnet Name :	P8
Client Sample ID :	MYD5R9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:59:07	DataFile Name :	077AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	726869	732733	747454	735685	1.44	cps
Lead	208-1	3444894	3453220	3503886	3467333	0.92	cps
Lithium	6-1	15913000	16056002	16279268	16082757	1.15	cps
Magnesium	24-2	20218864	20257493	20190164	20222174	0.17	cps
Manganese	55-2	11282352	11213217	11244277	11246615	0.31	cps
Molybdenum	94-1	224225	226433	228046	226235	0.85	cps
Molybdenum	95-1	19424	19050	19828	19434	2.00	cps
Molybdenum	96-1	64418	65370	64589	64792	0.78	cps
Molybdenum	97-1	12129	11982	12212	12108	0.96	cps
Molybdenum	98-1	29789	31315	29876	30327	2.83	cps
Neodymium	150-1	522097	536807	537539	532147	1.64	cps
Neodymium	150-2	140843	142161	143502	142169	0.93	cps
Nickel	60-2	411217	412840	409952	411336	0.35	cps
Phosphorus	31-2	12459	12342	12415	12405	0.48	cps
Potassium	39-2	4082751	4044568	4097304	4074874	0.67	cps
Rhodium	103-1	31337951	31266940	31080795	31228562	0.43	cps
Rhodium	103-2	12244857	12175301	12308585	12242915	0.54	cps
Scandium	45-1	24221203	24681371	24361004	24421193	0.97	cps
Scandium	45-2	631074	633481	628974	631176	0.36	cps
Selenium	82-1	530	613	617	587	8.37	cps
Selenium	77-2	593	647	543	594	8.69	cps
Selenium	78-2	477	417	493	462	8.72	cps
Silicon	28-1	116037412	117628712	117826158	117164094	0.84	cps
Silver	107-1	19859	20137	19707	19901	1.10	cps
Silver	109-1	8299	7986	8216	8167	1.99	cps
Sodium	23-2	993861	992754	989294	991970	0.24	cps
Strontium	86-1	1614156	1627010	1664518	1635228	1.60	cps
Strontium	88-1	13570604	14134429	13909446	13871493	2.05	cps
Sulfur	34-1	683194	683042	685089	683775	0.17	cps
Terbium	159-1	48397746	47722386	48098891	48073008	0.70	cps
Terbium	159-2	16709936	16773441	16456810	16646729	1.01	cps
Thallium	203-1	16007	14715	14525	15082	5.35	cps
Thallium	205-1	37665	36986	35993	36881	2.28	cps
Tin	118-1	72920	74484	75151	74185	1.54	cps
Titanium	47-1	4096820	4158551	4149519	4134963	0.81	cps
Uranium	238-1	154180	153607	157827	155204	1.47	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-10	Instrumnet Name :	P8
Client Sample ID :	MYD5R9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 17:59:07	DataFile Name :	077AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1939615	1927205	1932938	1933253	0.32	cps
Ytterbium	172-1	97321	98160	99923	98468	1.35	cps
Ytterbium	172-2	41916	40117	41792	41275	2.43	cps
Ytterbium	176-1	73168	73583	74200	73650	0.71	cps
Ytterbium	176-2	86893	86169	88336	87133	1.27	cps
Yttrium	89-1	54920914	55474289	56331754	55575653	1.28	cps
Yttrium	89-2	4873872	4905084	4901638	4893532	0.35	cps
Zinc	66-2	215787	215919	215103	215603	0.20	cps
Zirconium	90-1	578518	596365	599546	591476	1.92	cps
Zirconium	91-1	131093	133539	133340	132657	1.02	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-11	Instrumnet Name :	P8
Client Sample ID :	MYD5S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:02:13	DataFile Name :	078AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9238732	9149218	9136628	9174859	0.61	cps
Antimony	121-1	38120	38344	38862	38442	0.99	cps
Arsenic	75-2	62009	61336	62076	61807	0.66	cps
Barium	135-1	11344707	11467649	11369607	11393987	0.57	cps
Barium	137-1	19508235	19897574	19621968	19675926	1.02	cps
Beryllium	9-1	14848	14692	14818	14786	0.56	cps
Bismuth	209-1	27190970	28155575	27955458	27767334	1.83	cps
Bismuth	209-2	11601117	11507252	11391861	11500077	0.91	cps
Bromine	81-1	30714	31161	31295	31057	0.98	cps
Cadmium	108-1	1520	1653	1727	1633	6.42	cps
Cadmium	106-1	34172	33584	32127	33295	3.16	cps
Cadmium	111-1	32183	31905	30867	31652	2.19	cps
Calcium	43-1	1086216	1089566	1089151	1088311	0.17	cps
Calcium	44-1	18256191	18200226	18107873	18188097	0.41	cps
Carbon	12-1	9137414	9271382	9385139	9264645	1.34	cps
Carbon	12-2	90064	89269	90587	89973	0.74	cps
Chlorine	35-1	248032750	256689863	256036103	253586238	1.90	cps
Chlorine	35-2	1367072	1319282	1314257	1333537	2.19	cps
Chromium	52-2	685585	675852	682481	681306	0.73	cps
Cobalt	59-2	850312	845858	850057	848742	0.29	cps
Copper	63-2	2086520	2107301	2085350	2093057	0.59	cps
Dysprosium	156-1	293113	298802	298778	296897	1.10	cps
Dysprosium	156-2	98587	98308	99749	98881	0.77	cps
Erbium	164-1	208850	215507	215305	213221	1.78	cps
Erbium	164-2	75261	73243	74581	74362	1.38	cps
Gadolinium	160-1	227394	229080	232900	229791	1.23	cps
Gadolinium	160-2	94159	93395	93421	93658	0.46	cps
Holmium	165-1	47266243	47209983	47552624	47342950	0.39	cps
Holmium	165-2	16914526	16698316	16814539	16809127	0.64	cps
Indium	115-1	34363402	35275559	34828613	34822525	1.31	cps
Indium	115-2	4246642	4173817	4299204	4239888	1.49	cps
Iron	54-2	39589677	38817125	39404562	39270455	1.03	cps
Iron	56-2	720755856	722682309	722023403	721820523	0.14	cps
Iron	57-2	18344427	18038268	18487892	18290196	1.26	cps
Krypton	83-1	680	653	653	662	2.33	cps
Lead	206-1	2247251	2323502	2305987	2292247	1.74	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-11	Instrumnet Name :	P8
Client Sample ID :	MYD5S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:02:13	DataFile Name :	078AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1981200	2032079	1987295	2000191	1.39	cps
Lead	208-1	9002789	9094712	9115217	9070906	0.66	cps
Lithium	6-1	15816377	16058881	16101439	15992232	0.96	cps
Magnesium	24-2	15354521	14933802	14985711	15091345	1.52	cps
Manganese	55-2	35071745	35033051	35205609	35103469	0.26	cps
Molybdenum	94-1	178300	180234	181405	179980	0.87	cps
Molybdenum	95-1	21987	22168	22512	22222	1.20	cps
Molybdenum	96-1	57853	58650	58047	58183	0.71	cps
Molybdenum	97-1	13560	13170	13690	13473	2.01	cps
Molybdenum	98-1	33190	34406	33634	33743	1.82	cps
Neodymium	150-1	389829	390840	396241	392303	0.88	cps
Neodymium	150-2	105531	105316	104103	104983	0.73	cps
Nickel	60-2	311867	310209	312022	311366	0.32	cps
Phosphorus	31-2	10687	10771	10407	10622	1.79	cps
Potassium	39-2	3093150	3050759	3053367	3065759	0.77	cps
Rhodium	103-1	31117463	30728138	31196504	31014035	0.81	cps
Rhodium	103-2	11974526	12055494	12097641	12042554	0.52	cps
Scandium	45-1	23195110	23606988	23797787	23533295	1.31	cps
Scandium	45-2	600466	597397	598905	598923	0.26	cps
Selenium	82-1	233	377	413	341	27.89	cps
Selenium	77-2	427	423	433	428	1.19	cps
Selenium	78-2	370	363	377	370	1.80	cps
Silicon	28-1	108748242	110553768	110140958	109814323	0.86	cps
Silver	107-1	18490	18493	18561	18515	0.22	cps
Silver	109-1	10758	11044	11225	11009	2.14	cps
Sodium	23-2	181823	179371	177290	179495	1.26	cps
Strontium	86-1	919994	922469	918163	920208	0.23	cps
Strontium	88-1	8214439	8226121	8136859	8192473	0.59	cps
Sulfur	34-1	617915	616881	616556	617117	0.12	cps
Terbium	159-1	47681426	48173109	48291036	48048524	0.67	cps
Terbium	159-2	16636430	16568235	16494055	16566240	0.43	cps
Thallium	203-1	14839	14769	14949	14852	0.61	cps
Thallium	205-1	35993	36063	37250	36435	1.94	cps
Tin	118-1	79066	79660	80129	79618	0.67	cps
Titanium	47-1	3563130	3656941	3651203	3623758	1.45	cps
Uranium	238-1	110676	111692	111642	111337	0.51	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-11	Instrumnet Name :	P8
Client Sample ID :	MYD5S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:02:13	DataFile Name :	078AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1450722	1425703	1403252	1426559	1.66	cps
Ytterbium	172-1	69394	70918	71542	70618	1.56	cps
Ytterbium	172-2	29312	29576	29777	29555	0.79	cps
Ytterbium	176-1	55613	55566	56289	55823	0.72	cps
Ytterbium	176-2	79243	78217	80333	79264	1.34	cps
Yttrium	89-1	54676448	53946658	53867614	54163573	0.82	cps
Yttrium	89-2	4732728	4658352	4750656	4713912	1.04	cps
Zinc	66-2	278715	276467	277733	277639	0.41	cps
Zirconium	90-1	458601	463924	462262	461596	0.59	cps
Zirconium	91-1	102231	102584	103991	102935	0.90	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-12	Instrumnet Name :	P8
Client Sample ID :	MYD5S1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:05:17	DataFile Name :	079AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11229148	11070445	11162312	11153969	0.71	cps
Antimony	121-1	24926	25370	26168	25488	2.47	cps
Arsenic	75-2	77780	77495	77826	77700	0.23	cps
Barium	135-1	4597188	4739725	4674525	4670479	1.53	cps
Barium	137-1	7769886	7983269	7994495	7915883	1.60	cps
Beryllium	9-1	15852	16162	16403	16139	1.71	cps
Bismuth	209-1	27634633	27805101	27688420	27709385	0.31	cps
Bismuth	209-2	11266674	11412933	11408853	11362820	0.73	cps
Bromine	81-1	32768	33791	34372	33644	2.41	cps
Cadmium	108-1	1220	1087	1157	1155	5.78	cps
Cadmium	106-1	32097	30677	31549	31441	2.28	cps
Cadmium	111-1	29763	28953	29161	29292	1.44	cps
Calcium	43-1	1520922	1529356	1494842	1515040	1.19	cps
Calcium	44-1	24903107	24771954	24558376	24744479	0.70	cps
Carbon	12-1	12301953	12695755	12892824	12630177	2.38	cps
Carbon	12-2	123496	123517	123015	123343	0.23	cps
Chlorine	35-1	251022310	254825103	256893403	254246938	1.17	cps
Chlorine	35-2	1337226	1307778	1314969	1319991	1.16	cps
Chromium	52-2	839063	839385	835923	838124	0.23	cps
Cobalt	59-2	785783	786789	785519	786030	0.09	cps
Copper	63-2	2253855	2265114	2254393	2257787	0.28	cps
Dysprosium	156-1	324785	331903	327033	327907	1.11	cps
Dysprosium	156-2	113150	112327	112895	112791	0.37	cps
Erbium	164-1	247426	255620	252320	251789	1.64	cps
Erbium	164-2	88492	87187	88005	87895	0.75	cps
Gadolinium	160-1	269932	274669	267161	270588	1.40	cps
Gadolinium	160-2	111481	110325	111316	111041	0.56	cps
Holmium	165-1	46841838	47345473	47665064	47284125	0.88	cps
Holmium	165-2	16825289	16688545	16462563	16658799	1.10	cps
Indium	115-1	33957268	34083546	34130455	34057090	0.26	cps
Indium	115-2	4182579	4095813	4137510	4138634	1.05	cps
Iron	54-2	38438442	37659382	37695121	37930982	1.16	cps
Iron	56-2	685612736	693639296	680489457	686580496	0.97	cps
Iron	57-2	17669782	17588370	17510740	17589631	0.45	cps
Krypton	83-1	660	790	777	742	9.64	cps
Lead	206-1	1456519	1482304	1487762	1475528	1.13	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-12	Instrumnet Name :	P8
Client Sample ID :	MYD5S1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:05:17	DataFile Name :	079AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1239250	1270246	1250244	1253247	1.25	cps
Lead	208-1	5797366	5956535	5907745	5887215	1.39	cps
Lithium	6-1	15734380	15721109	15756896	15737461	0.11	cps
Magnesium	24-2	18399113	18465512	18498431	18454352	0.27	cps
Manganese	55-2	10384461	10557552	10406437	10449484	0.90	cps
Molybdenum	94-1	99029	101547	102435	101004	1.75	cps
Molybdenum	95-1	21330	22178	22008	21838	2.05	cps
Molybdenum	96-1	44581	45089	45711	45127	1.25	cps
Molybdenum	97-1	13143	13790	13590	13508	2.45	cps
Molybdenum	98-1	34510	34366	35061	34645	1.06	cps
Neodymium	150-1	452478	465472	458337	458763	1.42	cps
Neodymium	150-2	123620	123455	122173	123083	0.64	cps
Nickel	60-2	386039	384791	383820	384883	0.29	cps
Phosphorus	31-2	20091	19767	19967	19942	0.82	cps
Potassium	39-2	4136510	4146553	4072593	4118552	0.97	cps
Rhodium	103-1	30491210	30555997	30259423	30435543	0.51	cps
Rhodium	103-2	11957461	11703986	11934428	11865292	1.18	cps
Scandium	45-1	23913464	23471610	23483104	23622726	1.07	cps
Scandium	45-2	594402	596312	590467	593727	0.50	cps
Selenium	82-1	540	433	520	498	11.39	cps
Selenium	77-2	510	483	530	508	4.61	cps
Selenium	78-2	463	473	423	453	5.84	cps
Silicon	28-1	106270415	107591862	105221068	106361115	1.12	cps
Silver	107-1	18994	19272	18861	19042	1.10	cps
Silver	109-1	11208	10771	11205	11061	2.27	cps
Sodium	23-2	388303	385654	385055	386338	0.45	cps
Strontium	86-1	1046216	1058048	1053710	1052658	0.57	cps
Strontium	88-1	9315774	9412545	9348798	9359039	0.53	cps
Sulfur	34-1	653500	650409	648490	650799	0.39	cps
Terbium	159-1	47556496	47877491	47105159	47513049	0.82	cps
Terbium	159-2	16439930	16525826	16508088	16491281	0.27	cps
Thallium	203-1	14932	14869	14999	14933	0.44	cps
Thallium	205-1	36227	36792	36107	36375	1.01	cps
Tin	118-1	79898	81675	81742	81105	1.29	cps
Titanium	47-1	3824126	3848262	3804735	3825708	0.57	cps
Uranium	238-1	137319	142098	141933	140450	1.93	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-12	Instrumnet Name :	P8
Client Sample ID :	MYD5S1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:05:17	DataFile Name :	079AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1586035	1603655	1603979	1597890	0.64	cps
Ytterbium	172-1	83760	84933	84977	84557	0.82	cps
Ytterbium	172-2	35374	35732	35214	35440	0.75	cps
Ytterbium	176-1	62517	64396	63147	63353	1.51	cps
Ytterbium	176-2	82093	82948	83062	82701	0.64	cps
Yttrium	89-1	54230814	53745033	53778026	53917958	0.50	cps
Yttrium	89-2	4696988	4623827	4638126	4652981	0.83	cps
Zinc	66-2	284047	281983	285703	283911	0.66	cps
Zirconium	90-1	237670	245048	245168	242629	1.77	cps
Zirconium	91-1	54175	56464	55430	55356	2.07	cps

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On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-13	Instrumnet Name :	P8
Client Sample ID :	MYD5S2	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:08:23	DataFile Name :	080AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13582744	13332576	13327506	13414275	1.09	cps
Antimony	121-1	15432	16363	16086	15961	3.00	cps
Arsenic	75-2	88985	87131	88687	88268	1.13	cps
Barium	135-1	5266453	5184437	5266184	5239025	0.90	cps
Barium	137-1	8973342	8927514	8996025	8965627	0.39	cps
Beryllium	9-1	19510	19550	19526	19529	0.10	cps
Bismuth	209-1	26866119	27179595	27159542	27068419	0.65	cps
Bismuth	209-2	11059803	11017345	11173262	11083470	0.73	cps
Bromine	81-1	36387	36277	37096	36587	1.21	cps
Cadmium	108-1	1653	1593	1570	1606	2.68	cps
Cadmium	106-1	32839	32886	32104	32610	1.34	cps
Cadmium	111-1	26808	26786	26455	26683	0.74	cps
Calcium	43-1	1822712	1733150	1771113	1775658	2.53	cps
Calcium	44-1	29176977	28734757	29072085	28994607	0.80	cps
Carbon	12-1	6972256	7210194	7216149	7132866	1.95	cps
Carbon	12-2	69336	69550	69949	69611	0.45	cps
Chlorine	35-1	264037636	268349356	273154689	268513894	1.70	cps
Chlorine	35-2	1405278	1359014	1354326	1372872	2.05	cps
Chromium	52-2	955771	951094	948825	951897	0.37	cps
Cobalt	59-2	849444	844059	849100	847534	0.36	cps
Copper	63-2	1738179	1726644	1765609	1743477	1.15	cps
Dysprosium	156-1	389207	394207	393629	392348	0.70	cps
Dysprosium	156-2	134976	135967	134014	134985	0.72	cps
Erbium	164-1	308271	303651	306950	306291	0.78	cps
Erbium	164-2	105907	106939	106172	106339	0.50	cps
Gadolinium	160-1	325296	322998	325679	324658	0.45	cps
Gadolinium	160-2	132446	132941	132645	132678	0.19	cps
Holmium	165-1	46234796	46236751	46749619	46407055	0.64	cps
Holmium	165-2	16388381	16365568	16293159	16349036	0.30	cps
Indium	115-1	33731008	33318310	33047653	33365657	1.03	cps
Indium	115-2	4139776	4051036	4091409	4094074	1.09	cps
Iron	54-2	38930233	38844130	38237772	38670712	0.98	cps
Iron	56-2	715503323	716502549	717212203	716406025	0.12	cps
Iron	57-2	18093578	18030753	18033392	18052574	0.20	cps
Krypton	83-1	800	770	783	784	1.92	cps
Lead	206-1	722003	732664	731413	728693	0.80	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-13	Instrumnet Name :	P8
Client Sample ID :	MYD5S2	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:08:23	DataFile Name :	080AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	600915	606610	604313	603946	0.47	cps
Lead	208-1	2807598	2817498	2838907	2821334	0.57	cps
Lithium	6-1	15136282	15448712	15429692	15338229	1.14	cps
Magnesium	24-2	20995981	20709882	20790618	20832160	0.71	cps
Manganese	55-2	11643907	11361677	11614600	11540061	1.34	cps
Molybdenum	94-1	213807	215997	219915	216573	1.43	cps
Molybdenum	95-1	15462	15602	15746	15603	0.91	cps
Molybdenum	96-1	57856	58817	58600	58424	0.86	cps
Molybdenum	97-1	9710	9710	9854	9758	0.85	cps
Molybdenum	98-1	24605	24592	24882	24693	0.66	cps
Neodymium	150-1	554456	556536	567418	559470	1.24	cps
Neodymium	150-2	150955	148090	148354	149133	1.06	cps
Nickel	60-2	416206	414111	416331	415550	0.30	cps
Phosphorus	31-2	12018	11918	11968	11968	0.42	cps
Potassium	39-2	2565310	2513828	2593624	2557587	1.58	cps
Rhodium	103-1	29949382	29782160	30057931	29929824	0.46	cps
Rhodium	103-2	11801791	11850134	11716991	11789639	0.57	cps
Scandium	45-1	23643168	23831148	23682900	23719072	0.42	cps
Scandium	45-2	597919	591936	594379	594745	0.51	cps
Selenium	82-1	387	410	483	427	11.82	cps
Selenium	77-2	633	660	560	618	8.38	cps
Selenium	78-2	540	577	517	544	5.56	cps
Silicon	28-1	126126598	126853921	128191025	127057181	0.82	cps
Silver	107-1	17581	17558	17350	17496	0.73	cps
Silver	109-1	5038	5328	5034	5133	3.28	cps
Sodium	23-2	338707	333004	334187	335299	0.90	cps
Strontium	86-1	1675687	1708489	1709314	1697830	1.13	cps
Strontium	88-1	14641866	14453697	14481214	14525593	0.70	cps
Sulfur	34-1	576552	573930	569950	573477	0.58	cps
Terbium	159-1	46884916	46889653	46847493	46874020	0.05	cps
Terbium	159-2	15911907	16049739	16079101	16013582	0.56	cps
Thallium	203-1	13524	13601	13838	13654	1.20	cps
Thallium	205-1	32808	32952	33179	32980	0.57	cps
Tin	118-1	81299	82708	82436	82148	0.91	cps
Titanium	47-1	4108811	4078225	4107862	4098299	0.42	cps
Uranium	238-1	175314	176836	176560	176237	0.46	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-13	Instrumnet Name :	P8
Client Sample ID :	MYD5S2	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:08:23	DataFile Name :	080AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1718338	1691832	1690002	1700058	0.93	cps
Ytterbium	172-1	105315	105695	103826	104945	0.94	cps
Ytterbium	172-2	44167	43595	43632	43798	0.73	cps
Ytterbium	176-1	76161	76708	76014	76294	0.48	cps
Ytterbium	176-2	84944	85796	86394	85711	0.85	cps
Yttrium	89-1	53760843	53942676	54046544	53916688	0.27	cps
Yttrium	89-2	4685635	4712036	4641605	4679759	0.76	cps
Zinc	66-2	194647	194202	195941	194930	0.46	cps
Zirconium	90-1	560367	561108	570692	564055	1.02	cps
Zirconium	91-1	125048	126676	127951	126558	1.15	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-14	Instrumnet Name :	P8
Client Sample ID :	MYD5S3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:11:28	DataFile Name :	081AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10437595	10196480	10141413	10258496	1.54	cps
Antimony	121-1	24970	26215	26302	25829	2.89	cps
Arsenic	75-2	67407	67628	66764	67266	0.67	cps
Barium	135-1	6899054	6861139	6896759	6885651	0.31	cps
Barium	137-1	11793466	11851248	11917165	11853960	0.52	cps
Beryllium	9-1	16493	16411	16540	16482	0.40	cps
Bismuth	209-1	27279645	27675012	27314473	27423043	0.80	cps
Bismuth	209-2	11219328	11256326	11449399	11308351	1.09	cps
Bromine	81-1	34138	34830	34964	34644	1.28	cps
Cadmium	108-1	1807	2180	2040	2009	9.39	cps
Cadmium	106-1	33902	32692	33517	33370	1.85	cps
Cadmium	111-1	32664	31749	32602	32338	1.58	cps
Calcium	43-1	5779960	5774136	5898272	5817456	1.20	cps
Calcium	44-1	94866289	95898945	93908819	94891351	1.05	cps
Carbon	12-1	14724630	15079381	15281242	15028418	1.88	cps
Carbon	12-2	148501	143646	144148	145432	1.84	cps
Chlorine	35-1	251586550	256918436	259589963	256031650	1.59	cps
Chlorine	35-2	1322891	1315610	1321922	1320141	0.30	cps
Chromium	52-2	803982	802071	794143	800065	0.65	cps
Cobalt	59-2	768912	768511	766865	768096	0.14	cps
Copper	63-2	2310600	2319517	2315920	2315346	0.19	cps
Dysprosium	156-1	326597	330240	331572	329470	0.78	cps
Dysprosium	156-2	112092	110344	110731	111056	0.83	cps
Erbium	164-1	245670	253055	249380	249368	1.48	cps
Erbium	164-2	87636	86680	87009	87108	0.56	cps
Gadolinium	160-1	259827	262671	265209	262569	1.03	cps
Gadolinium	160-2	107509	108557	107136	107734	0.68	cps
Holmium	165-1	47086933	47469923	47307676	47288177	0.41	cps
Holmium	165-2	16714996	16498915	16921213	16711708	1.26	cps
Indium	115-1	33385512	33722098	33879241	33662284	0.75	cps
Indium	115-2	4179501	4179464	4169726	4176230	0.13	cps
Iron	54-2	35537426	35278557	34939785	35251923	0.85	cps
Iron	56-2	648216804	638285257	649789697	645430586	0.97	cps
Iron	57-2	16240350	16375736	16468574	16361553	0.70	cps
Krypton	83-1	790	730	623	714	11.82	cps
Lead	206-1	1838320	1850257	1884494	1857690	1.29	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-14	Instrumnet Name :	P8
Client Sample ID :	MYD5S3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:11:28	DataFile Name :	081AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1540200	1554918	1564821	1553313	0.80	cps
Lead	208-1	7260392	7336703	7343615	7313570	0.63	cps
Lithium	6-1	15202420	15376565	15505241	15361408	0.99	cps
Magnesium	24-2	18014537	17672464	17678862	17788621	1.10	cps
Manganese	55-2	19883639	19567363	19483646	19644883	1.07	cps
Molybdenum	94-1	227745	229939	231058	229581	0.73	cps
Molybdenum	95-1	16730	17301	16984	17005	1.68	cps
Molybdenum	96-1	60347	61371	61529	61082	1.05	cps
Molybdenum	97-1	9987	10234	10291	10170	1.59	cps
Molybdenum	98-1	25657	26322	26565	26181	1.80	cps
Neodymium	150-1	438938	448649	450330	445972	1.38	cps
Neodymium	150-2	117919	119133	118387	118480	0.52	cps
Nickel	60-2	352052	345702	346663	348139	0.98	cps
Phosphorus	31-2	16182	16376	16483	16347	0.93	cps
Potassium	39-2	4329589	4347053	4375424	4350689	0.53	cps
Rhodium	103-1	30119715	30425430	30452404	30332516	0.61	cps
Rhodium	103-2	11796855	11716133	11958827	11823938	1.05	cps
Scandium	45-1	23299640	23165986	22668541	23044723	1.44	cps
Scandium	45-2	585907	587053	584340	585767	0.23	cps
Selenium	82-1	280	423	597	433	36.59	cps
Selenium	77-2	537	573	453	521	11.80	cps
Selenium	78-2	403	387	403	398	2.42	cps
Silicon	28-1	99436822	98716182	97296939	98483314	1.11	cps
Silver	107-1	30418	30847	31568	30944	1.88	cps
Silver	109-1	21250	21767	21821	21613	1.46	cps
Sodium	23-2	171825	170119	171421	171121	0.52	cps
Strontium	86-1	1077248	1092501	1095312	1088354	0.89	cps
Strontium	88-1	9557611	9688108	9775818	9673846	1.14	cps
Sulfur	34-1	642909	642741	641277	642309	0.14	cps
Terbium	159-1	47525776	47696979	47599176	47607310	0.18	cps
Terbium	159-2	16265747	16321259	16663967	16416991	1.31	cps
Thallium	203-1	17118	17222	17292	17210	0.51	cps
Thallium	205-1	41148	41075	42038	41420	1.29	cps
Tin	118-1	82638	83076	84552	83422	1.20	cps
Titanium	47-1	3442921	3417485	3358379	3406262	1.27	cps
Uranium	238-1	117214	117753	119821	118263	1.16	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-14	Instrumnet Name :	P8
Client Sample ID :	MYD5S3	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:11:28	DataFile Name :	081AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1260364	1252270	1247754	1253463	0.51	cps
Ytterbium	172-1	85249	86839	86782	86290	1.05	cps
Ytterbium	172-2	35875	36099	36280	36085	0.56	cps
Ytterbium	176-1	64305	65867	64768	64980	1.23	cps
Ytterbium	176-2	81899	83009	82700	82536	0.69	cps
Yttrium	89-1	53410798	53183993	54429721	53674837	1.24	cps
Yttrium	89-2	4647249	4569227	4635580	4617352	0.91	cps
Zinc	66-2	273115	270546	269800	271154	0.64	cps
Zirconium	90-1	602269	605709	611052	606343	0.73	cps
Zirconium	91-1	133495	137059	135921	135492	1.34	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-15	Instrumnet Name :	P8
Client Sample ID :	MYD5S4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:14:34	DataFile Name :	082AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9512976	9592334	9516782	9540697	0.47	cps
Antimony	121-1	29492	29886	30147	29841	1.10	cps
Arsenic	75-2	61058	60760	60907	60909	0.24	cps
Barium	135-1	8565107	8603238	8780517	8649620	1.33	cps
Barium	137-1	14963391	14779796	14942697	14895295	0.68	cps
Beryllium	9-1	13519	13663	13389	13524	1.01	cps
Bismuth	209-1	27811590	27798182	27455448	27688407	0.73	cps
Bismuth	209-2	11465858	11286346	11098182	11283462	1.63	cps
Bromine	81-1	29064	29281	29915	29420	1.50	cps
Cadmium	108-1	1607	1573	1697	1626	3.92	cps
Cadmium	106-1	32041	31493	31703	31745	0.87	cps
Cadmium	111-1	31147	30960	31258	31122	0.48	cps
Calcium	43-1	1271782	1277988	1271716	1273828	0.28	cps
Calcium	44-1	20706461	20888346	20586012	20726940	0.73	cps
Carbon	12-1	10429080	10793544	10846834	10689819	2.13	cps
Carbon	12-2	103353	104145	103608	103702	0.39	cps
Chlorine	35-1	252830363	258846976	260809696	257495678	1.61	cps
Chlorine	35-2	1339747	1303507	1295535	1312930	1.79	cps
Chromium	52-2	695566	689463	691274	692101	0.45	cps
Cobalt	59-2	836123	826884	834276	832427	0.59	cps
Copper	63-2	2283081	2264245	2273680	2273669	0.41	cps
Dysprosium	156-1	288701	289730	290565	289665	0.32	cps
Dysprosium	156-2	96904	96871	97254	97010	0.22	cps
Erbium	164-1	212710	212805	215396	213637	0.71	cps
Erbium	164-2	74061	74376	74198	74212	0.21	cps
Gadolinium	160-1	223048	227041	232883	227657	2.17	cps
Gadolinium	160-2	91850	92646	93394	92630	0.83	cps
Holmium	165-1	46279596	45958686	46368598	46202293	0.47	cps
Holmium	165-2	16566945	16480535	16259227	16435569	0.97	cps
Indium	115-1	33988571	33601523	33545364	33711819	0.72	cps
Indium	115-2	4114217	4091236	4108000	4104484	0.29	cps
Iron	54-2	38182337	37665092	37629176	37825535	0.82	cps
Iron	56-2	691392496	693619163	684135296	689715652	0.72	cps
Iron	57-2	17596947	17366229	17346371	17436516	0.80	cps
Krypton	83-1	640	650	667	652	2.07	cps
Lead	206-1	2006973	2002033	1996915	2001974	0.25	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-15	Instrumnet Name :	P8
Client Sample ID :	MYD5S4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:14:34	DataFile Name :	082AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1692304	1744659	1724583	1720515	1.54	cps
Lead	208-1	7893491	7982288	7911810	7929196	0.59	cps
Lithium	6-1	14978445	15486325	15448389	15304386	1.85	cps
Magnesium	24-2	16859154	16910297	16770389	16846613	0.42	cps
Manganese	55-2	24042267	23826740	23787322	23885443	0.57	cps
Molybdenum	94-1	168202	165596	167431	167076	0.80	cps
Molybdenum	95-1	18142	18379	18706	18409	1.54	cps
Molybdenum	96-1	51702	51826	53864	52464	2.31	cps
Molybdenum	97-1	10944	11098	11218	11087	1.24	cps
Molybdenum	98-1	27591	27140	27774	27502	1.19	cps
Neodymium	150-1	382937	382562	385135	383545	0.36	cps
Neodymium	150-2	102343	101345	100146	101278	1.09	cps
Nickel	60-2	332943	327500	328282	329575	0.89	cps
Phosphorus	31-2	11982	11281	12022	11762	3.54	cps
Potassium	39-2	3153696	3213479	3116637	3161271	1.55	cps
Rhodium	103-1	29958195	30426125	30274162	30219494	0.79	cps
Rhodium	103-2	11828466	11716273	11687813	11744184	0.63	cps
Scandium	45-1	22930808	22774658	23012392	22905953	0.53	cps
Scandium	45-2	577017	572277	572451	573915	0.47	cps
Selenium	82-1	443	510	277	410	29.31	cps
Selenium	77-2	363	463	373	400	13.77	cps
Selenium	78-2	333	353	337	341	3.14	cps
Silicon	28-1	107856998	107562882	108673505	108031128	0.53	cps
Silver	107-1	17967	18206	17778	17984	1.19	cps
Silver	109-1	11195	11411	11455	11354	1.23	cps
Sodium	23-2	149032	146870	145598	147167	1.18	cps
Strontium	86-1	761849	768081	768770	766233	0.50	cps
Strontium	88-1	6726086	6825110	6777951	6776382	0.73	cps
Sulfur	34-1	610177	605186	607457	607607	0.41	cps
Terbium	159-1	46617523	46981206	47387456	46995395	0.82	cps
Terbium	159-2	16293740	16210965	16270711	16258472	0.26	cps
Thallium	203-1	13327	13157	13430	13305	1.04	cps
Thallium	205-1	31281	31702	32136	31707	1.35	cps
Tin	118-1	81930	83117	83382	82809	0.93	cps
Titanium	47-1	3735982	3789547	3759533	3761687	0.71	cps
Uranium	238-1	101861	102543	103890	102765	1.01	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-15	Instrumnet Name :	P8
Client Sample ID :	MYD5S4	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:14:34	DataFile Name :	082AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1441523	1431296	1443681	1438833	0.46	cps
Ytterbium	172-1	70868	71847	71126	71280	0.71	cps
Ytterbium	172-2	29573	29984	29747	29768	0.69	cps
Ytterbium	176-1	55965	55961	57016	56314	1.08	cps
Ytterbium	176-2	77036	78639	78320	77998	1.09	cps
Yttrium	89-1	52622059	52947218	52610338	52726538	0.36	cps
Yttrium	89-2	4540845	4502642	4532489	4525325	0.44	cps
Zinc	66-2	305426	303614	303763	304268	0.33	cps
Zirconium	90-1	426492	435654	431586	431244	1.06	cps
Zirconium	91-1	95913	96725	96451	96363	0.43	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-16	Instrumnet Name :	P8
Client Sample ID :	MYD5S5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:17:37	DataFile Name :	083AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10691865	10629804	10585807	10635826	0.50	cps
Antimony	121-1	18189	18566	18963	18573	2.09	cps
Arsenic	75-2	71678	70756	72931	71788	1.52	cps
Barium	135-1	4980465	5091325	4961911	5011234	1.40	cps
Barium	137-1	8607555	8651376	8563593	8607508	0.51	cps
Beryllium	9-1	15874	15856	16152	15961	1.04	cps
Bismuth	209-1	26828320	27979420	27906342	27571360	2.34	cps
Bismuth	209-2	11468697	11326282	11171370	11322116	1.31	cps
Bromine	81-1	30166	30236	30968	30457	1.46	cps
Cadmium	108-1	2180	1930	2054	2055	6.08	cps
Cadmium	106-1	33614	33013	33841	33489	1.28	cps
Cadmium	111-1	30276	30201	30647	30375	0.79	cps
Calcium	43-1	1097841	1105952	1112231	1105341	0.65	cps
Calcium	44-1	18273948	18420009	18442759	18378906	0.50	cps
Carbon	12-1	8852811	8900583	9077128	8943508	1.32	cps
Carbon	12-2	87059	87173	86975	87069	0.11	cps
Chlorine	35-1	239107056	246030103	248368110	244501756	1.97	cps
Chlorine	35-2	1251319	1255808	1268300	1258476	0.70	cps
Chromium	52-2	822119	825982	817675	821925	0.51	cps
Cobalt	59-2	717297	717131	721774	718734	0.37	cps
Copper	63-2	1950735	1987626	1985875	1974746	1.05	cps
Dysprosium	156-1	340203	343469	344270	342647	0.63	cps
Dysprosium	156-2	116997	116240	116970	116736	0.37	cps
Erbium	164-1	256284	260518	263536	260113	1.40	cps
Erbium	164-2	89834	89854	89455	89714	0.25	cps
Gadolinium	160-1	276566	278173	283156	279298	1.23	cps
Gadolinium	160-2	113034	114486	114590	114037	0.76	cps
Holmium	165-1	46136269	47270611	46380389	46595757	1.28	cps
Holmium	165-2	16799097	16660264	16543357	16667573	0.77	cps
Indium	115-1	34085472	33670428	33116032	33623978	1.45	cps
Indium	115-2	4176026	4106473	4097985	4126828	1.04	cps
Iron	54-2	35033049	35047949	34798901	34959966	0.40	cps
Iron	56-2	639594964	642494377	639522244	640537195	0.26	cps
Iron	57-2	16348637	16308131	16223469	16293412	0.39	cps
Krypton	83-1	673	810	797	760	9.91	cps
Lead	206-1	1338360	1356642	1363143	1352715	0.95	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-16	Instrumnet Name :	P8
Client Sample ID :	MYD5S5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:17:37	DataFile Name :	083AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1142796	1166042	1173165	1160668	1.37	cps
Lead	208-1	5271078	5490781	5416974	5392944	2.07	cps
Lithium	6-1	15275506	15174959	15394886	15281784	0.72	cps
Magnesium	24-2	16952507	17003089	16800211	16918602	0.62	cps
Manganese	55-2	10710911	10761720	10764642	10745758	0.28	cps
Molybdenum	94-1	262242	263950	268466	264886	1.21	cps
Molybdenum	95-1	11949	12202	12719	12290	3.20	cps
Molybdenum	96-1	62044	63595	63236	62958	1.29	cps
Molybdenum	97-1	7882	7362	7689	7644	3.44	cps
Molybdenum	98-1	18773	19434	19484	19230	2.06	cps
Neodymium	150-1	500790	506351	508304	505148	0.77	cps
Neodymium	150-2	132678	132608	133563	132950	0.40	cps
Nickel	60-2	385312	383769	383088	384056	0.30	cps
Phosphorus	31-2	12886	12662	12872	12807	0.98	cps
Potassium	39-2	3285278	3291229	3279659	3285389	0.18	cps
Rhodium	103-1	30052735	29946550	29933446	29977577	0.22	cps
Rhodium	103-2	11763110	11687515	11824755	11758460	0.58	cps
Scandium	45-1	23201215	23116615	23101261	23139697	0.23	cps
Scandium	45-2	581371	579006	575227	578535	0.54	cps
Selenium	82-1	437	407	217	353	33.77	cps
Selenium	77-2	520	523	523	522	0.37	cps
Selenium	78-2	430	393	463	429	8.16	cps
Silicon	28-1	119507082	119631362	122176658	120438367	1.25	cps
Silver	107-1	20303	20451	21270	20675	2.52	cps
Silver	109-1	9927	10100	9964	9997	0.91	cps
Sodium	23-2	145945	144628	144487	145020	0.55	cps
Strontium	86-1	1375767	1399337	1446236	1407113	2.55	cps
Strontium	88-1	12119831	12404772	12606743	12377115	1.98	cps
Sulfur	34-1	575852	574314	572348	574172	0.31	cps
Terbium	159-1	46324261	47506848	46876396	46902502	1.26	cps
Terbium	159-2	16470423	16509913	16215071	16398469	0.98	cps
Thallium	203-1	14051	14388	14158	14199	1.21	cps
Thallium	205-1	33356	34235	33386	33659	1.48	cps
Tin	118-1	76411	76941	76851	76734	0.37	cps
Titanium	47-1	4232343	4271962	4246261	4250189	0.47	cps
Uranium	238-1	129662	132071	131765	131166	1.00	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-16	Instrumnet Name :	P8
Client Sample ID :	MYD5S5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:17:37	DataFile Name :	083AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1445915	1433831	1456256	1445334	0.78	cps
Ytterbium	172-1	90372	91604	90849	90942	0.68	cps
Ytterbium	172-2	38128	38011	37359	37833	1.10	cps
Ytterbium	176-1	67304	68627	70293	68741	2.18	cps
Ytterbium	176-2	82409	83344	82271	82674	0.71	cps
Yttrium	89-1	53285318	53856316	53403936	53515190	0.56	cps
Yttrium	89-2	4574421	4582861	4605849	4587710	0.35	cps
Zinc	66-2	214511	217492	215929	215978	0.69	cps
Zirconium	90-1	702480	708580	718516	709859	1.14	cps
Zirconium	91-1	157118	157141	158965	157741	0.67	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-17	Instrumnet Name :	P8
Client Sample ID :	MYD5S6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:20:44	DataFile Name :	084AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4155005	4187232	4063043	4135093	1.56	cps
Antimony	121-1	30537	30671	30708	30639	0.29	cps
Arsenic	75-2	33754	33413	32898	33355	1.29	cps
Barium	135-1	9576614	9483107	9451556	9503759	0.68	cps
Barium	137-1	16314117	16261326	16272375	16282606	0.17	cps
Beryllium	9-1	11474	11520	11641	11545	0.75	cps
Bismuth	209-1	26113456	28076770	27728213	27306147	3.84	cps
Bismuth	209-2	11457678	11474294	11313351	11415108	0.78	cps
Bromine	81-1	24512	24428	23947	24296	1.25	cps
Cadmium	108-1	1543	1540	1627	1570	3.13	cps
Cadmium	106-1	30537	31419	32211	31389	2.67	cps
Cadmium	111-1	24026	24733	25136	24632	2.28	cps
Calcium	43-1	5341969	5362991	5176514	5293825	1.93	cps
Calcium	44-1	87007419	86007439	85937932	86317596	0.69	cps
Carbon	12-1	4324947	4455627	4444428	4408334	1.64	cps
Carbon	12-2	42815	42779	43049	42881	0.34	cps
Chlorine	35-1	252887710	257716283	255356070	255320021	0.95	cps
Chlorine	35-2	1269768	1325359	1298715	1297947	2.14	cps
Chromium	52-2	433353	430530	432763	432215	0.34	cps
Cobalt	59-2	492237	491558	486060	489952	0.69	cps
Copper	63-2	1163329	1158049	1158999	1160126	0.24	cps
Dysprosium	156-1	210281	211351	213731	211787	0.83	cps
Dysprosium	156-2	70310	70508	70746	70521	0.31	cps
Erbium	164-1	158455	155311	155342	156369	1.16	cps
Erbium	164-2	53072	53088	52674	52945	0.44	cps
Gadolinium	160-1	165820	169429	167116	167455	1.09	cps
Gadolinium	160-2	67690	67550	68538	67926	0.79	cps
Holmium	165-1	44802748	47224016	47209898	46412220	3.00	cps
Holmium	165-2	16718339	16534657	16591753	16614916	0.57	cps
Indium	115-1	31732177	33478284	33754540	32988334	3.32	cps
Indium	115-2	4127008	4093989	4055395	4092131	0.88	cps
Iron	54-2	21559375	21327256	21490930	21459187	0.56	cps
Iron	56-2	395613234	396547954	394846127	395669105	0.22	cps
Iron	57-2	10042230	10053656	10005137	10033674	0.25	cps
Krypton	83-1	473	600	493	522	13.04	cps
Lead	206-1	909845	921883	919352	917027	0.69	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-17	Instrumnet Name :	P8
Client Sample ID :	MYD5S6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:20:44	DataFile Name :	084AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	828915	827305	824750	826990	0.25	cps
Lead	208-1	3785644	3778258	3789187	3784363	0.15	cps
Lithium	6-1	13836065	14864960	15071626	14590884	4.54	cps
Magnesium	24-2	13933645	14024589	13686340	13881525	1.26	cps
Manganese	55-2	39137239	38368471	39341499	38949069	1.32	cps
Molybdenum	94-1	245899	243697	241918	243838	0.82	cps
Molybdenum	95-1	19484	19060	19551	19365	1.37	cps
Molybdenum	96-1	61529	63180	63133	62614	1.50	cps
Molybdenum	97-1	11628	11445	11238	11437	1.71	cps
Molybdenum	98-1	29648	29191	29792	29544	1.06	cps
Neodymium	150-1	295132	292948	295768	294616	0.50	cps
Neodymium	150-2	75799	77562	76114	76492	1.23	cps
Nickel	60-2	296930	297488	292890	295769	0.85	cps
Phosphorus	31-2	13753	13203	12973	13310	3.01	cps
Potassium	39-2	789409	786567	781165	785714	0.53	cps
Rhodium	103-1	28713697	30197294	30290152	29733714	2.98	cps
Rhodium	103-2	11815636	11712387	11691121	11739714	0.57	cps
Scandium	45-1	20835806	21697032	21689691	21407510	2.31	cps
Scandium	45-2	545534	543791	541792	543705	0.34	cps
Selenium	82-1	187	177	187	183	3.15	cps
Selenium	77-2	273	230	283	262	10.81	cps
Selenium	78-2	233	267	310	270	14.24	cps
Silicon	28-1	106751112	105662075	104012008	105475065	1.31	cps
Silver	107-1	18084	18176	18172	18144	0.29	cps
Silver	109-1	4051	3891	4077	4006	2.52	cps
Sodium	23-2	1131008	1150566	1127585	1136386	1.09	cps
Strontium	86-1	1942338	1945703	1910005	1932682	1.02	cps
Strontium	88-1	16003745	16301869	16209086	16171567	0.94	cps
Sulfur	34-1	557024	555905	548857	553929	0.80	cps
Terbium	159-1	45043439	46847476	47112616	46334510	2.43	cps
Terbium	159-2	16395093	16489785	16240217	16375032	0.77	cps
Thallium	203-1	9574	9023	9123	9240	3.17	cps
Thallium	205-1	22289	22466	23044	22600	1.75	cps
Tin	118-1	72628	73512	73415	73185	0.66	cps
Titanium	47-1	4631403	4583213	4591115	4601910	0.56	cps
Uranium	238-1	81325	83938	82646	82636	1.58	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-17	Instrumnet Name :	P8
Client Sample ID :	MYD5S6	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:20:44	DataFile Name :	084AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	707498	708269	702016	705927	0.48	cps
Ytterbium	172-1	52048	51607	52269	51975	0.65	cps
Ytterbium	172-2	21604	21334	21735	21558	0.95	cps
Ytterbium	176-1	43893	43675	44485	44018	0.95	cps
Ytterbium	176-2	71197	72752	72849	72266	1.28	cps
Yttrium	89-1	48518089	51507101	51800468	50608553	3.59	cps
Yttrium	89-2	4440284	4386400	4433326	4420004	0.66	cps
Zinc	66-2	129751	127567	128627	128648	0.85	cps
Zirconium	90-1	641661	647112	640952	643241	0.52	cps
Zirconium	91-1	142304	143472	142884	142887	0.41	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-18	Instrumnet Name :	P8
Client Sample ID :	MYD5S7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:23:49	DataFile Name :	085AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9384442	9249129	9261988	9298520	0.80	cps
Antimony	121-1	47402	47378	47271	47350	0.15	cps
Arsenic	75-2	73996	73594	73625	73738	0.30	cps
Barium	135-1	4789508	4802810	4796338	4796219	0.14	cps
Barium	137-1	8119810	8224628	8117892	8154110	0.75	cps
Beryllium	9-1	16532	16865	16578	16658	1.08	cps
Bismuth	209-1	27223903	27595192	27905189	27574761	1.24	cps
Bismuth	209-2	11131750	11290900	11073503	11165384	1.01	cps
Bromine	81-1	41217	42628	42574	42140	1.90	cps
Cadmium	108-1	1760	1720	1793	1758	2.09	cps
Cadmium	106-1	32328	31770	31903	32000	0.91	cps
Cadmium	111-1	30744	30762	30617	30708	0.26	cps
Calcium	43-1	1784302	1805436	1800966	1796901	0.62	cps
Calcium	44-1	29346350	29644183	29339665	29443399	0.59	cps
Carbon	12-1	17563527	18018720	18109333	17897193	1.63	cps
Carbon	12-2	175241	174053	174101	174465	0.39	cps
Chlorine	35-1	229967497	233709817	237192543	233623285	1.55	cps
Chlorine	35-2	1158572	1154220	1148904	1153899	0.42	cps
Chromium	52-2	701745	701991	704022	702586	0.18	cps
Cobalt	59-2	826032	823013	822752	823932	0.22	cps
Copper	63-2	2404188	2418019	2369159	2397122	1.05	cps
Dysprosium	156-1	292149	293531	292465	292715	0.25	cps
Dysprosium	156-2	99194	100346	97516	99019	1.44	cps
Erbium	164-1	226879	228731	227821	227810	0.41	cps
Erbium	164-2	79335	78923	77745	78668	1.05	cps
Gadolinium	160-1	240104	240910	239602	240205	0.27	cps
Gadolinium	160-2	97207	98597	98356	98054	0.76	cps
Holmium	165-1	47269676	46994253	47534516	47266148	0.57	cps
Holmium	165-2	16218497	16371811	16161771	16250693	0.67	cps
Indium	115-1	33474946	33399431	33303343	33392573	0.26	cps
Indium	115-2	4002561	4047187	4036028	4028592	0.58	cps
Iron	54-2	35510853	35829470	35570628	35636984	0.48	cps
Iron	56-2	657008950	655051550	640857044	650972515	1.35	cps
Iron	57-2	16612022	16559529	16313780	16495110	0.97	cps
Krypton	83-1	727	663	727	706	5.18	cps
Lead	206-1	1490807	1496329	1495323	1494153	0.20	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-18	Instrumnet Name :	P8
Client Sample ID :	MYD5S7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:23:49	DataFile Name :	085AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1286339	1287052	1281133	1284841	0.25	cps
Lead	208-1	5948354	5994168	5976442	5972988	0.39	cps
Lithium	6-1	14977704	15087548	14840588	14968613	0.83	cps
Magnesium	24-2	16070936	15961513	15759348	15930599	0.99	cps
Manganese	55-2	10977942	10779572	10611505	10789673	1.70	cps
Molybdenum	94-1	204402	206321	203526	204750	0.70	cps
Molybdenum	95-1	39198	39259	39112	39190	0.19	cps
Molybdenum	96-1	78115	78751	79331	78732	0.77	cps
Molybdenum	97-1	24455	24174	24014	24214	0.92	cps
Molybdenum	98-1	62212	63323	62784	62773	0.89	cps
Neodymium	150-1	405431	405883	405081	405465	0.10	cps
Neodymium	150-2	106774	106409	107873	107018	0.71	cps
Nickel	60-2	357246	359833	357923	358334	0.37	cps
Phosphorus	31-2	25279	24825	25078	25061	0.91	cps
Potassium	39-2	6872206	6913487	6761387	6849027	1.15	cps
Rhodium	103-1	30222755	29611185	30489333	30107758	1.50	cps
Rhodium	103-2	11419950	11712492	11449967	11527470	1.40	cps
Scandium	45-1	22692372	22304201	22543141	22513238	0.87	cps
Scandium	45-2	564871	573847	565774	568164	0.87	cps
Selenium	82-1	423	430	423	426	0.90	cps
Selenium	77-2	517	447	443	469	8.83	cps
Selenium	78-2	283	317	403	334	18.52	cps
Silicon	28-1	94148159	94736295	94352225	94412226	0.32	cps
Silver	107-1	22761	23199	22529	22830	1.49	cps
Silver	109-1	11388	11065	11088	11180	1.61	cps
Sodium	23-2	992466	991845	987797	990703	0.26	cps
Strontium	86-1	1611581	1627878	1605359	1614940	0.72	cps
Strontium	88-1	13636086	13874936	13609486	13706836	1.07	cps
Sulfur	34-1	821751	821765	818760	820759	0.21	cps
Terbium	159-1	46792679	47082291	47185521	47020164	0.43	cps
Terbium	159-2	15829533	16189012	16008442	16008996	1.12	cps
Thallium	203-1	13627	13691	13507	13608	0.69	cps
Thallium	205-1	33259	32688	32955	32967	0.87	cps
Tin	118-1	65753	65911	66641	66102	0.72	cps
Titanium	47-1	3384987	3348146	3345159	3359431	0.66	cps
Uranium	238-1	152159	152338	152937	152478	0.27	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-18	Instrumnet Name :	P8
Client Sample ID :	MYD5S7	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:23:49	DataFile Name :	085AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1475219	1464738	1478377	1472778	0.48	cps
Ytterbium	172-1	77267	77082	77243	77198	0.13	cps
Ytterbium	172-2	31999	32293	31554	31949	1.16	cps
Ytterbium	176-1	59205	59982	58927	59372	0.92	cps
Ytterbium	176-2	77297	78870	78927	78365	1.18	cps
Yttrium	89-1	52287134	52088403	52585651	52320396	0.48	cps
Yttrium	89-2	4408973	4521402	4466236	4465537	1.26	cps
Zinc	66-2	443585	438473	438078	440045	0.70	cps
Zirconium	90-1	497044	501739	501545	500110	0.53	cps
Zirconium	91-1	111024	112042	112899	111988	0.84	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-19	Instrumnet Name :	P8
Client Sample ID :	MYD5S8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:26:55	DataFile Name :	086AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10343845	10368957	10417137	10376646	0.36	cps
Antimony	121-1	34306	35222	35436	34988	1.71	cps
Arsenic	75-2	69048	69249	69798	69365	0.56	cps
Barium	135-1	4633598	4656150	4682538	4657429	0.53	cps
Barium	137-1	7838521	7983766	7965790	7929359	1.00	cps
Beryllium	9-1	9621	9718	9881	9740	1.35	cps
Bismuth	209-1	27358351	27801134	28029415	27729633	1.23	cps
Bismuth	209-2	11542220	11190785	11326242	11353082	1.56	cps
Bromine	81-1	26839	27347	27373	27186	1.11	cps
Cadmium	108-1	1877	1930	1873	1893	1.68	cps
Cadmium	106-1	31372	31242	31008	31207	0.59	cps
Cadmium	111-1	38742	39088	38907	38912	0.44	cps
Calcium	43-1	812755	820919	815044	816239	0.52	cps
Calcium	44-1	13436469	13842679	13647070	13642073	1.49	cps
Carbon	12-1	13648453	13861754	13930191	13813466	1.06	cps
Carbon	12-2	133004	132634	132534	132724	0.19	cps
Chlorine	35-1	219751683	225172123	229061450	224661752	2.08	cps
Chlorine	35-2	1105801	1105096	1106036	1105644	0.04	cps
Chromium	52-2	1162868	1161398	1160333	1161533	0.11	cps
Cobalt	59-2	893320	894513	902173	896668	0.54	cps
Copper	63-2	2718686	2685638	2678774	2694366	0.79	cps
Dysprosium	156-1	271663	272704	273442	272603	0.33	cps
Dysprosium	156-2	92920	94058	93840	93606	0.65	cps
Erbium	164-1	191992	193155	195948	193698	1.05	cps
Erbium	164-2	66167	66599	66907	66558	0.56	cps
Gadolinium	160-1	225655	227088	229870	227538	0.94	cps
Gadolinium	160-2	92199	94260	94508	93656	1.35	cps
Holmium	165-1	46294693	46876141	47072624	46747819	0.87	cps
Holmium	165-2	16767547	16502018	16401329	16556965	1.14	cps
Indium	115-1	33264681	33851485	33187560	33434575	1.09	cps
Indium	115-2	4145725	4077853	4064467	4096015	1.06	cps
Iron	54-2	39415589	39792415	39334075	39514026	0.62	cps
Iron	56-2	724692789	729539909	713788789	722673829	1.12	cps
Iron	57-2	18311341	18306336	18461195	18359624	0.48	cps
Krypton	83-1	540	557	657	584	10.80	cps
Lead	206-1	2790875	2788219	2703213	2760769	1.81	cps

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On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-19	Instrumnet Name :	P8
Client Sample ID :	MYD5S8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:26:55	DataFile Name :	086AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2400168	2425660	2373563	2399797	1.09	cps
Lead	208-1	10996325	10912264	10930949	10946513	0.40	cps
Lithium	6-1	14786083	15032710	14818406	14879066	0.90	cps
Magnesium	24-2	18814276	18551600	18567225	18644367	0.79	cps
Manganese	55-2	14606932	14696748	14592555	14632079	0.39	cps
Molybdenum	94-1	122070	122880	124625	123192	1.06	cps
Molybdenum	95-1	18749	17908	18602	18420	2.44	cps
Molybdenum	96-1	46110	47013	45685	46269	1.47	cps
Molybdenum	97-1	11838	11882	11638	11786	1.10	cps
Molybdenum	98-1	28212	29331	28439	28661	2.06	cps
Neodymium	150-1	387383	390094	393810	390429	0.83	cps
Neodymium	150-2	102853	102763	101799	102472	0.57	cps
Nickel	60-2	408634	410057	405486	408059	0.57	cps
Phosphorus	31-2	15975	16646	16232	16285	2.08	cps
Potassium	39-2	2955013	2916541	2942318	2937957	0.67	cps
Rhodium	103-1	29968412	29950409	29542800	29820540	0.81	cps
Rhodium	103-2	11689704	11746972	11655660	11697445	0.39	cps
Scandium	45-1	22413826	22842613	22474948	22577129	1.03	cps
Scandium	45-2	579851	573536	571886	575091	0.73	cps
Selenium	82-1	613	420	400	478	24.66	cps
Selenium	77-2	437	447	460	448	2.61	cps
Selenium	78-2	350	377	340	356	5.33	cps
Silicon	28-1	94914315	96712532	95801972	95809606	0.94	cps
Silver	107-1	30742	30476	31241	30820	1.26	cps
Silver	109-1	25150	26051	25443	25548	1.80	cps
Sodium	23-2	118808	118415	118022	118415	0.33	cps
Strontium	86-1	600010	605290	607448	604250	0.63	cps
Strontium	88-1	5320903	5405026	5439870	5388599	1.13	cps
Sulfur	34-1	584465	581109	586187	583920	0.44	cps
Terbium	159-1	46638899	47325394	46403451	46789248	1.02	cps
Terbium	159-2	16323139	16054064	16229487	16202230	0.84	cps
Thallium	203-1	9027	9507	9170	9234	2.67	cps
Thallium	205-1	21965	21835	22814	22205	2.39	cps
Tin	118-1	83821	84666	84180	84222	0.50	cps
Titanium	47-1	2327393	2342777	2320567	2330245	0.49	cps
Uranium	238-1	88626	90855	92181	90554	1.98	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-19	Instrumnet Name :	P8
Client Sample ID :	MYD5S8	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:26:55	DataFile Name :	086AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1478490	1477894	1464587	1473657	0.53	cps
Ytterbium	172-1	58428	59874	59242	59181	1.23	cps
Ytterbium	172-2	24403	24803	25227	24811	1.66	cps
Ytterbium	176-1	47438	48201	47254	47631	1.05	cps
Ytterbium	176-2	72980	72957	74975	73637	1.57	cps
Yttrium	89-1	51059563	51657088	51672903	51463184	0.68	cps
Yttrium	89-2	4443081	4467551	4374048	4428227	1.09	cps
Zinc	66-2	346249	346858	346831	346646	0.10	cps
Zirconium	90-1	304559	310064	311522	308715	1.19	cps
Zirconium	91-1	69056	69831	69348	69412	0.56	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-20	Instrumnet Name :	P8
Client Sample ID :	MYD5S9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:29:59	DataFile Name :	087AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9555520	9289911	9411572	9419001	1.41	cps
Antimony	121-1	23520	24389	23570	23826	2.05	cps
Arsenic	75-2	69721	69775	69785	69760	0.05	cps
Barium	135-1	7258255	7435068	7380965	7358096	1.23	cps
Barium	137-1	12451804	12396846	12595841	12481497	0.82	cps
Beryllium	9-1	19216	18958	19353	19176	1.05	cps
Bismuth	209-1	27385145	28376956	26769608	27510570	2.95	cps
Bismuth	209-2	11291669	11040880	11229144	11187231	1.17	cps
Bromine	81-1	23627	23667	23780	23691	0.34	cps
Cadmium	108-1	2417	2610	2254	2427	7.36	cps
Cadmium	106-1	34433	33327	33410	33723	1.83	cps
Cadmium	111-1	25785	24996	25424	25401	1.56	cps
Calcium	43-1	1145360	1166268	1161522	1157716	0.95	cps
Calcium	44-1	19120446	19265759	19359016	19248407	0.62	cps
Carbon	12-1	5476128	5485090	5513676	5491631	0.36	cps
Carbon	12-2	53801	53370	53644	53605	0.41	cps
Chlorine	35-1	217828463	221912630	224851270	221530788	1.59	cps
Chlorine	35-2	1092260	1081166	1086589	1086672	0.51	cps
Chromium	52-2	693796	694497	695737	694677	0.14	cps
Cobalt	59-2	747739	739939	747362	745013	0.59	cps
Copper	63-2	1282093	1276440	1275533	1278022	0.28	cps
Dysprosium	156-1	257388	262715	260879	260327	1.04	cps
Dysprosium	156-2	83877	82747	83375	83333	0.68	cps
Erbium	164-1	169396	174683	172432	172170	1.54	cps
Erbium	164-2	59529	59335	59650	59505	0.27	cps
Gadolinium	160-1	187302	189216	188833	188450	0.54	cps
Gadolinium	160-2	76836	75807	76772	76472	0.75	cps
Holmium	165-1	46138768	47797608	46995029	46977135	1.77	cps
Holmium	165-2	16544891	16204570	16151058	16300173	1.31	cps
Indium	115-1	33815921	33691494	33458214	33655209	0.54	cps
Indium	115-2	4082181	4035301	4027855	4048446	0.73	cps
Iron	54-2	38983204	39011987	39386227	39127139	0.57	cps
Iron	56-2	717077056	701065536	712157163	710099918	1.15	cps
Iron	57-2	18236254	18102621	18190261	18176379	0.37	cps
Krypton	83-1	573	613	603	597	3.49	cps
Lead	206-1	1001972	1016744	1027610	1015442	1.27	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-20	Instrumnet Name :	P8
Client Sample ID :	MYD5S9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:29:59	DataFile Name :	087AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	884502	901070	900381	895318	1.05	cps
Lead	208-1	4090458	4158010	4158686	4135718	0.95	cps
Lithium	6-1	14719153	14746468	14705881	14723834	0.14	cps
Magnesium	24-2	17181268	16820704	16854502	16952158	1.17	cps
Manganese	55-2	23592413	23214048	23586820	23464427	0.92	cps
Molybdenum	94-1	407845	414491	411885	411407	0.81	cps
Molybdenum	95-1	16960	17835	17431	17409	2.51	cps
Molybdenum	96-1	93220	92683	93794	93232	0.60	cps
Molybdenum	97-1	10434	10624	10571	10543	0.93	cps
Molybdenum	98-1	26362	26803	27511	26892	2.16	cps
Neodymium	150-1	335273	337583	338767	337208	0.53	cps
Neodymium	150-2	90164	89744	88774	89561	0.80	cps
Nickel	60-2	299115	294327	297559	297000	0.82	cps
Phosphorus	31-2	7575	7652	7565	7598	0.62	cps
Potassium	39-2	2789484	2769109	2760017	2772870	0.54	cps
Rhodium	103-1	30028374	30408675	29974980	30137343	0.78	cps
Rhodium	103-2	11831896	11699172	11568444	11699838	1.13	cps
Scandium	45-1	22526596	22321057	22134719	22327457	0.88	cps
Scandium	45-2	563109	558188	556836	559378	0.59	cps
Selenium	82-1	170	157	80	136	35.83	cps
Selenium	77-2	367	347	363	359	2.99	cps
Selenium	78-2	213	293	290	266	17.04	cps
Silicon	28-1	81381139	81527719	80847384	81252080	0.44	cps
Silver	107-1	21004	21074	21200	21093	0.47	cps
Silver	109-1	2070	2160	2000	2077	3.86	cps
Sodium	23-2	192276	189712	190689	190892	0.68	cps
Strontium	86-1	2581701	2553419	2570176	2568432	0.55	cps
Strontium	88-1	21633786	21645501	21908047	21729111	0.71	cps
Sulfur	34-1	522496	524003	523304	523267	0.14	cps
Terbium	159-1	46883088	47727406	46986461	47198985	0.98	cps
Terbium	159-2	16245455	16057002	16081784	16128080	0.63	cps
Thallium	203-1	12283	12266	12616	12388	1.60	cps
Thallium	205-1	29554	29971	30082	29869	0.93	cps
Tin	118-1	76009	75346	75510	75622	0.46	cps
Titanium	47-1	3889933	3888537	3941697	3906722	0.78	cps
Uranium	238-1	121662	126115	123603	123793	1.80	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-20	Instrumnet Name :	P8
Client Sample ID :	MYD5S9	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:29:59	DataFile Name :	087AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1120498	1113005	1114959	1116154	0.35	cps
Ytterbium	172-1	61057	62510	62547	62038	1.37	cps
Ytterbium	172-2	25468	25565	26022	25685	1.15	cps
Ytterbium	176-1	51791	52966	52521	52426	1.13	cps
Ytterbium	176-2	74562	75082	73221	74288	1.29	cps
Yttrium	89-1	51937549	52101451	51264243	51767748	0.86	cps
Yttrium	89-2	4493087	4435240	4408590	4445639	0.97	cps
Zinc	66-2	218262	217906	217567	217912	0.16	cps
Zirconium	90-1	1087854	1109966	1115065	1104295	1.31	cps
Zirconium	91-1	243710	247450	247789	246316	0.92	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-21	Instrumnet Name :	P8
Client Sample ID :	MYD5T0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:33:07	DataFile Name :	088AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9169421	9178567	9021303	9123097	0.97	cps
Antimony	121-1	22903	23333	23383	23206	1.14	cps
Arsenic	75-2	76396	75222	75172	75597	0.92	cps
Barium	135-1	4354172	4415822	4517163	4429052	1.86	cps
Barium	137-1	7489556	7700061	7559896	7583171	1.41	cps
Beryllium	9-1	16686	16802	16889	16792	0.60	cps
Bismuth	209-1	26589563	27338669	28216613	27381615	2.97	cps
Bismuth	209-2	11435936	11393418	11080106	11303153	1.72	cps
Bromine	81-1	40014	41207	41662	40961	2.08	cps
Cadmium	108-1	1383	1413	1353	1383	2.17	cps
Cadmium	106-1	29662	31038	30875	30525	2.46	cps
Cadmium	111-1	27517	28486	28010	28005	1.73	cps
Calcium	43-1	2160316	2186465	2173949	2173577	0.60	cps
Calcium	44-1	34825508	34825016	35495562	35048695	1.10	cps
Carbon	12-1	24704621	25846403	26042335	25531120	2.83	cps
Carbon	12-2	248909	250447	248332	249229	0.44	cps
Chlorine	35-1	233381523	241637716	244770856	239930032	2.45	cps
Chlorine	35-2	1221492	1217283	1162805	1200527	2.73	cps
Chromium	52-2	728696	719938	720072	722902	0.69	cps
Cobalt	59-2	702384	695204	697238	698275	0.53	cps
Copper	63-2	2090393	2020544	2023608	2044848	1.93	cps
Dysprosium	156-1	290360	290139	292417	290972	0.43	cps
Dysprosium	156-2	98956	100088	98899	99314	0.68	cps
Erbium	164-1	224880	228513	229346	227579	1.04	cps
Erbium	164-2	78064	79737	77950	78584	1.27	cps
Gadolinium	160-1	233437	239693	240725	237952	1.66	cps
Gadolinium	160-2	98188	98950	97073	98070	0.96	cps
Holmium	165-1	44429729	46771033	47042523	46081095	3.12	cps
Holmium	165-2	16860127	16943582	16197754	16667154	2.45	cps
Indium	115-1	31712413	33978364	33402880	33031219	3.57	cps
Indium	115-2	4193040	4182303	4065674	4147006	1.70	cps
Iron	54-2	31786760	32002793	31756477	31848676	0.42	cps
Iron	56-2	590488618	580479151	575976071	582314614	1.28	cps
Iron	57-2	14777382	14712143	14950328	14813284	0.83	cps
Krypton	83-1	687	673	723	694	3.73	cps
Lead	206-1	1256769	1259349	1286872	1267663	1.32	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-21	Instrumnet Name :	P8
Client Sample ID :	MYD5T0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:33:07	DataFile Name :	088AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1068002	1087390	1100880	1085424	1.52	cps
Lead	208-1	5045120	5050720	5159383	5085074	1.27	cps
Lithium	6-1	14221853	14852398	15017299	14697183	2.86	cps
Magnesium	24-2	15604784	15313153	15159328	15359088	1.47	cps
Manganese	55-2	10632423	10330556	10193944	10385641	2.16	cps
Molybdenum	94-1	154574	157995	158343	156971	1.33	cps
Molybdenum	95-1	28623	28613	29004	28746	0.78	cps
Molybdenum	96-1	60169	60893	60022	60362	0.77	cps
Molybdenum	97-1	17524	17798	17718	17680	0.80	cps
Molybdenum	98-1	44494	44993	45083	44857	0.71	cps
Neodymium	150-1	400994	410051	408263	406436	1.18	cps
Neodymium	150-2	109388	106818	106277	107494	1.55	cps
Nickel	60-2	340509	339984	339095	339863	0.21	cps
Phosphorus	31-2	28702	28735	28421	28619	0.60	cps
Potassium	39-2	7287901	7255568	7163409	7235626	0.89	cps
Rhodium	103-1	28847464	29656911	30158505	29554293	2.24	cps
Rhodium	103-2	11904463	11923506	11676419	11834796	1.16	cps
Scandium	45-1	21634451	22608221	22551254	22264642	2.45	cps
Scandium	45-2	574735	575212	567977	572642	0.71	cps
Selenium	82-1	420	503	610	511	18.63	cps
Selenium	77-2	443	437	380	420	8.29	cps
Selenium	78-2	350	350	380	360	4.81	cps
Silicon	28-1	136048335	136250078	134796398	135698270	0.58	cps
Silver	107-1	22393	22890	22627	22637	1.10	cps
Silver	109-1	9103	9203	9026	9111	0.97	cps
Sodium	23-2	1344851	1341581	1317444	1334625	1.12	cps
Strontium	86-1	1922390	1981898	1974391	1959560	1.65	cps
Strontium	88-1	16478658	16808089	16584324	16623690	1.01	cps
Sulfur	34-1	764296	764990	766576	765287	0.15	cps
Terbium	159-1	44584634	46297046	47507501	46129727	3.18	cps
Terbium	159-2	16504475	16345950	15931853	16260759	1.82	cps
Thallium	203-1	11525	11625	11795	11649	1.17	cps
Thallium	205-1	27623	28371	28404	28133	1.57	cps
Tin	118-1	66112	68249	67900	67420	1.70	cps
Titanium	47-1	3355727	3333628	3349961	3346438	0.34	cps
Uranium	238-1	135358	137498	136278	136378	0.79	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-21	Instrumnet Name :	P8
Client Sample ID :	MYD5T0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:33:07	DataFile Name :	088AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1364461	1374381	1366351	1368398	0.38	cps
Ytterbium	172-1	75742	78061	79114	77639	2.22	cps
Ytterbium	172-2	32941	32303	31441	32228	2.34	cps
Ytterbium	176-1	56979	59342	59038	58453	2.20	cps
Ytterbium	176-2	77522	78857	79172	78517	1.12	cps
Yttrium	89-1	50323429	52949983	53136101	52136504	3.02	cps
Yttrium	89-2	4586523	4551865	4554895	4564427	0.42	cps
Zinc	66-2	352157	348517	349388	350021	0.54	cps
Zirconium	90-1	380740	388619	394202	387854	1.74	cps
Zirconium	91-1	86191	86872	88042	87035	1.08	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-22	Instrumnet Name :	P8
Client Sample ID :	MYD5T1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:36:10	DataFile Name :	089AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8970540	8894397	8911156	8925365	0.45	cps
Antimony	121-1	39641	38273	38922	38945	1.76	cps
Arsenic	75-2	72234	71316	72006	71852	0.67	cps
Barium	135-1	6759099	6764423	6817738	6780420	0.48	cps
Barium	137-1	11706127	11764069	11546974	11672390	0.96	cps
Beryllium	9-1	10949	11062	11132	11047	0.84	cps
Bismuth	209-1	25959386	27499560	27894791	27117913	3.77	cps
Bismuth	209-2	11225221	11088582	11042142	11118648	0.86	cps
Bromine	81-1	28993	29635	30109	29579	1.89	cps
Cadmium	108-1	1994	2110	1964	2022	3.83	cps
Cadmium	106-1	30220	30751	32435	31135	3.71	cps
Cadmium	111-1	35845	36282	37536	36554	2.40	cps
Calcium	43-1	1356677	1360213	1371817	1362902	0.58	cps
Calcium	44-1	22376775	22494164	22438720	22436553	0.26	cps
Carbon	12-1	7467714	7576887	7699325	7581309	1.53	cps
Carbon	12-2	72950	73154	73077	73060	0.14	cps
Chlorine	35-1	476319353	483226419	490054126	483199966	1.42	cps
Chlorine	35-2	2444409	2441966	2411442	2432606	0.76	cps
Chromium	52-2	738877	740857	738134	739289	0.19	cps
Cobalt	59-2	807061	799332	805048	803814	0.50	cps
Copper	63-2	2994975	2938244	2985731	2972983	1.02	cps
Dysprosium	156-1	261336	266108	267906	265117	1.28	cps
Dysprosium	156-2	89269	88400	89037	88902	0.51	cps
Erbium	164-1	211252	214462	216887	214200	1.32	cps
Erbium	164-2	73743	72868	72854	73155	0.70	cps
Gadolinium	160-1	218170	222158	221910	220746	1.01	cps
Gadolinium	160-2	89494	88998	88555	89016	0.53	cps
Holmium	165-1	44255139	46562579	47626783	46148167	3.73	cps
Holmium	165-2	16208911	16326482	16210998	16248797	0.41	cps
Indium	115-1	31766094	33382857	33541243	32896731	2.99	cps
Indium	115-2	4005205	3985554	4033338	4008032	0.60	cps
Iron	54-2	37698880	38185142	37967509	37950511	0.64	cps
Iron	56-2	703774763	689885376	689249670	694303270	1.18	cps
Iron	57-2	17710319	17854749	17667239	17744102	0.55	cps
Krypton	83-1	703	703	687	698	1.38	cps
Lead	206-1	2761070	2829295	2831695	2807354	1.43	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-22	Instrumnet Name :	P8
Client Sample ID :	MYD5T1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:36:10	DataFile Name :	089AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2442799	2467509	2460413	2456907	0.52	cps
Lead	208-1	11032205	11162740	11166375	11120440	0.69	cps
Lithium	6-1	14472360	15071021	15189868	14911083	2.58	cps
Magnesium	24-2	17351942	17366318	17257149	17325136	0.34	cps
Manganese	55-2	19199489	19040096	19134699	19124761	0.42	cps
Molybdenum	94-1	162254	165630	162415	163433	1.17	cps
Molybdenum	95-1	16650	16487	16490	16542	0.57	cps
Molybdenum	96-1	51181	50421	52285	51295	1.83	cps
Molybdenum	97-1	9957	9910	10190	10019	1.50	cps
Molybdenum	98-1	25617	25079	25300	25332	1.07	cps
Neodymium	150-1	344296	343435	347524	345085	0.62	cps
Neodymium	150-2	89838	89607	90667	90037	0.62	cps
Nickel	60-2	333267	330404	330504	331391	0.49	cps
Phosphorus	31-2	12229	12746	12355	12443	2.17	cps
Potassium	39-2	2514145	2418167	2447878	2460063	2.00	cps
Rhodium	103-1	28487751	30091385	30133374	29570837	3.17	cps
Rhodium	103-2	11711809	11550451	11466490	11576250	1.08	cps
Scandium	45-1	21845294	22507016	22621623	22324644	1.88	cps
Scandium	45-2	564543	562578	560288	562470	0.38	cps
Selenium	82-1	243	367	397	336	24.22	cps
Selenium	77-2	360	343	373	359	4.19	cps
Selenium	78-2	313	317	273	301	8.01	cps
Silicon	28-1	121918972	122763355	122340418	122340915	0.35	cps
Silver	107-1	20882	20882	20793	20852	0.25	cps
Silver	109-1	15429	15389	15165	15328	0.93	cps
Sodium	23-2	130517	129996	129179	129897	0.52	cps
Strontium	86-1	595487	603088	601755	600110	0.68	cps
Strontium	88-1	5264366	5310857	5303381	5292868	0.47	cps
Sulfur	34-1	563382	560041	557566	560330	0.52	cps
Terbium	159-1	43906754	47036486	47096064	46013102	3.96	cps
Terbium	159-2	15978059	15997256	15843914	15939743	0.52	cps
Thallium	203-1	13247	13130	13617	13331	1.91	cps
Thallium	205-1	32086	31281	31896	31754	1.33	cps
Tin	118-1	99971	103464	103276	102237	1.92	cps
Titanium	47-1	3561580	3579449	3558300	3566443	0.32	cps
Uranium	238-1	85814	87811	90150	87925	2.47	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-22	Instrumnet Name :	P8
Client Sample ID :	MYD5T1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 18:36:10	DataFile Name :	089AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1609046	1638995	1613959	1620667	0.99	cps
Ytterbium	172-1	74059	73556	74484	74033	0.63	cps
Ytterbium	172-2	30094	30378	30104	30192	0.53	cps
Ytterbium	176-1	56333	56051	57130	56505	0.99	cps
Ytterbium	176-2	74354	75273	76627	75418	1.52	cps
Yttrium	89-1	48921106	51786311	52340198	51015871	3.60	cps
Yttrium	89-2	4406576	4368389	4427483	4400816	0.68	cps
Zinc	66-2	309523	309123	310447	309697	0.22	cps
Zirconium	90-1	420130	430133	430025	426763	1.35	cps
Zirconium	91-1	94212	97552	96954	96239	1.85	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:39:15	DataFile Name :	090AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1448150	1447748	1426106	1440668	0.88	cps
Antimony	121-1	9947	10201	10034	10060	1.28	cps
Arsenic	75-2	14024	13580	13463	13689	2.16	cps
Barium	135-1	551787	553122	551401	552103	0.16	cps
Barium	137-1	956066	972484	962355	963635	0.86	cps
Beryllium	9-1	2759	2805	2828	2797	1.24	cps
Bismuth	209-1	28467273	29357334	29027284	28950630	1.55	cps
Bismuth	209-2	11785459	11909738	11823383	11839526	0.54	cps
Bromine	81-1	22822	22732	22929	22828	0.43	cps
Cadmium	108-1	440	467	590	499	16.04	cps
Cadmium	106-1	27080	27441	27113	27211	0.73	cps
Cadmium	111-1	23015	23166	22837	23006	0.72	cps
Calcium	43-1	277548	275908	274122	275859	0.62	cps
Calcium	44-1	4655833	4662801	4597259	4638631	0.78	cps
Carbon	12-1	4342506	4302836	4291975	4312439	0.62	cps
Carbon	12-2	41458	40502	41127	41029	1.18	cps
Chlorine	35-1	70650951	70989619	69618991	70419853	1.01	cps
Chlorine	35-2	335228	333647	331486	333453	0.56	cps
Chromium	52-2	61562	61354	60775	61230	0.67	cps
Cobalt	59-2	106514	105564	105732	105937	0.48	cps
Copper	63-2	547827	547721	548350	547966	0.06	cps
Dysprosium	156-1	80768	80588	81111	80822	0.33	cps
Dysprosium	156-2	27508	27782	27542	27611	0.54	cps
Erbium	164-1	60865	61809	60982	61219	0.84	cps
Erbium	164-2	21254	21027	21280	21187	0.66	cps
Gadolinium	160-1	66793	67138	66468	66799	0.50	cps
Gadolinium	160-2	28096	28390	28043	28176	0.66	cps
Holmium	165-1	46240091	47090501	46817591	46716061	0.93	cps
Holmium	165-2	16606346	16704429	16686660	16665812	0.31	cps
Indium	115-1	34269527	34322764	34307261	34299851	0.08	cps
Indium	115-2	4237745	4245435	4174833	4219338	0.92	cps
Iron	54-2	5479668	5461300	5400034	5447001	0.77	cps
Iron	56-2	100886545	101065992	100392869	100781802	0.35	cps
Iron	57-2	2603105	2607273	2579627	2596668	0.57	cps
Krypton	83-1	380	427	457	421	9.17	cps
Lead	206-1	675661	679604	677725	677663	0.29	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:39:15	DataFile Name :	090AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	602398	611577	612790	608922	0.93	cps
Lead	208-1	2719599	2764746	2751129	2745158	0.84	cps
Lithium	6-1	14080928	14221425	13976969	14093107	0.87	cps
Magnesium	24-2	1850452	1831310	1804381	1828715	1.27	cps
Manganese	55-2	1648982	1689277	1679281	1672513	1.25	cps
Molybdenum	94-1	32321	32291	31833	32148	0.85	cps
Molybdenum	95-1	4701	4914	4784	4800	2.24	cps
Molybdenum	96-1	11315	11315	11622	11417	1.55	cps
Molybdenum	97-1	3080	3020	3024	3041	1.11	cps
Molybdenum	98-1	7535	7922	7786	7748	2.53	cps
Neodymium	150-1	109690	113397	113102	112063	1.84	cps
Neodymium	150-2	29983	30217	30187	30129	0.42	cps
Nickel	60-2	32724	32794	32460	32660	0.54	cps
Phosphorus	31-2	4978	4848	4974	4933	1.50	cps
Potassium	39-2	753390	750178	749188	750919	0.29	cps
Rhodium	103-1	30483770	31252290	30810025	30848695	1.25	cps
Rhodium	103-2	12156363	12272494	12085197	12171351	0.78	cps
Scandium	45-1	20913810	21275948	20589665	20926474	1.64	cps
Scandium	45-2	535074	537601	536917	536530	0.24	cps
Selenium	82-1	57	40	-57	13	458.96	cps
Selenium	77-2	80	130	147	119	29.18	cps
Selenium	78-2	80	103	90	91	12.85	cps
Silicon	28-1	23626561	23494970	23488023	23536518	0.33	cps
Silver	107-1	7024	7214	7172	7137	1.40	cps
Silver	109-1	5401	6145	5751	5766	6.45	cps
Sodium	23-2	64241	62597	62788	63208	1.42	cps
Strontium	86-1	139651	141056	140154	140287	0.51	cps
Strontium	88-1	1195426	1207644	1200458	1201176	0.51	cps
Sulfur	34-1	511925	511255	507746	510309	0.44	cps
Terbium	159-1	46149738	46788164	47339486	46759129	1.27	cps
Terbium	159-2	16348833	16633109	16366589	16449510	0.97	cps
Thallium	203-1	3187	3084	3140	3137	1.65	cps
Thallium	205-1	7062	7459	7329	7283	2.78	cps
Tin	118-1	24186	22402	22034	22874	5.03	cps
Titanium	47-1	1196618	1258016	1228521	1227718	2.50	cps
Uranium	238-1	26758	26885	27022	26888	0.49	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:39:15	DataFile Name :	090AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	147316	147029	146911	147085	0.14	cps
Ytterbium	172-1	18540	19111	18573	18741	1.71	cps
Ytterbium	172-2	8023	8073	8056	8050	0.32	cps
Ytterbium	176-1	21494	21922	21778	21731	1.00	cps
Ytterbium	176-2	63639	63066	64175	63627	0.87	cps
Yttrium	89-1	49514731	50755246	50313594	50194524	1.25	cps
Yttrium	89-2	4356986	4368971	4382205	4369388	0.29	cps
Zinc	66-2	96804	96190	95455	96150	0.70	cps
Zirconium	90-1	79508	81516	80484	80503	1.25	cps
Zirconium	91-1	17648	18068	18065	17927	1.35	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-02DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546D	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:42:24	DataFile Name :	091AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1450831	1380293	1409266	1413463	2.51	cps
Antimony	121-1	9143	9620	9557	9440	2.74	cps
Arsenic	75-2	13366	13080	13276	13241	1.11	cps
Barium	135-1	537265	547967	546520	543917	1.07	cps
Barium	137-1	938199	948551	943404	943385	0.55	cps
Beryllium	9-1	2758	2639	2831	2743	3.53	cps
Bismuth	209-1	28760070	28446732	31319458	29508753	5.34	cps
Bismuth	209-2	12030411	11860914	11764269	11885198	1.13	cps
Bromine	81-1	22875	23009	22502	22795	1.15	cps
Cadmium	108-1	463	437	500	467	6.81	cps
Cadmium	106-1	27006	26856	29278	27714	4.90	cps
Cadmium	111-1	22838	22941	24369	23382	3.66	cps
Calcium	43-1	265951	276407	270706	271021	1.93	cps
Calcium	44-1	4557782	4610545	4564806	4577711	0.63	cps
Carbon	12-1	4129471	4136847	4133089	4133135	0.09	cps
Carbon	12-2	39543	39339	39279	39387	0.35	cps
Chlorine	35-1	61392797	63842557	63720689	62985348	2.19	cps
Chlorine	35-2	312790	308323	309679	310264	0.74	cps
Chromium	52-2	59818	59828	59691	59779	0.13	cps
Cobalt	59-2	102737	103143	103435	103105	0.34	cps
Copper	63-2	531718	532020	533202	532313	0.15	cps
Dysprosium	156-1	78737	78686	78968	78797	0.19	cps
Dysprosium	156-2	27148	27061	27238	27149	0.33	cps
Erbium	164-1	59224	60456	60711	60131	1.32	cps
Erbium	164-2	21397	20803	21471	21224	1.73	cps
Gadolinium	160-1	64843	66377	65708	65643	1.17	cps
Gadolinium	160-2	27188	27502	27295	27328	0.58	cps
Holmium	165-1	45682794	45170246	50778056	47210365	6.57	cps
Holmium	165-2	16419579	16392223	16541972	16451258	0.48	cps
Indium	115-1	34053713	33500450	37399703	34984622	6.03	cps
Indium	115-2	4174074	4090145	4139157	4134459	1.02	cps
Iron	54-2	5348434	5333743	5282588	5321588	0.65	cps
Iron	56-2	97876342	96919405	97648785	97481511	0.51	cps
Iron	57-2	2517059	2546267	2506309	2523212	0.82	cps
Krypton	83-1	350	467	497	438	17.70	cps
Lead	206-1	662578	664549	666503	664543	0.30	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-02DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546D	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:42:24	DataFile Name :	091AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	594595	599025	598670	597430	0.41	cps
Lead	208-1	2677623	2700698	2697463	2691928	0.46	cps
Lithium	6-1	13761998	14001602	15073619	14279073	4.89	cps
Magnesium	24-2	1834904	1812920	1819534	1822453	0.62	cps
Manganese	55-2	1649225	1640741	1655204	1648390	0.44	cps
Molybdenum	94-1	30838	31552	30711	31034	1.46	cps
Molybdenum	95-1	4601	4557	5011	4723	5.30	cps
Molybdenum	96-1	10731	11138	10994	10954	1.88	cps
Molybdenum	97-1	2790	2917	3000	2903	3.64	cps
Molybdenum	98-1	7435	7489	7572	7499	0.92	cps
Neodymium	150-1	108615	110050	108840	109168	0.71	cps
Neodymium	150-2	29589	28494	29436	29173	2.03	cps
Nickel	60-2	31749	31575	31719	31681	0.29	cps
Phosphorus	31-2	5034	4704	5131	4956	4.52	cps
Potassium	39-2	743535	739609	742825	741990	0.28	cps
Rhodium	103-1	30267366	30844612	33964794	31692257	6.28	cps
Rhodium	103-2	12008201	11869667	12005751	11961207	0.66	cps
Scandium	45-1	20617046	20882794	22910091	21469977	5.84	cps
Scandium	45-2	529712	523816	528339	527289	0.59	cps
Selenium	82-1	117	-7	-117	-2	-5250.38	cps
Selenium	77-2	113	93	133	113	17.65	cps
Selenium	78-2	107	123	120	117	7.56	cps
Silicon	28-1	23523208	23824568	23650359	23666045	0.64	cps
Silver	107-1	7194	7141	7231	7189	0.63	cps
Silver	109-1	5668	5681	5665	5671	0.16	cps
Sodium	23-2	60267	59467	59678	59804	0.69	cps
Strontium	86-1	137427	137992	138497	137972	0.39	cps
Strontium	88-1	1182940	1182474	1190436	1185284	0.38	cps
Sulfur	34-1	504621	504401	507058	505360	0.29	cps
Terbium	159-1	46518044	46291878	51930284	48246735	6.62	cps
Terbium	159-2	16288156	15936434	16236805	16153799	1.18	cps
Thallium	203-1	2987	2884	2910	2927	1.83	cps
Thallium	205-1	7122	7192	7295	7203	1.21	cps
Tin	118-1	24166	21547	22093	22602	6.11	cps
Titanium	47-1	1169118	1178932	1181636	1176562	0.56	cps
Uranium	238-1	25856	27072	26444	26458	2.30	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-02DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546D	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:42:24	DataFile Name :	091AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	145447	143928	142807	144060	0.92	cps
Ytterbium	172-1	17932	18343	18523	18266	1.66	cps
Ytterbium	172-2	7806	7636	7806	7749	1.27	cps
Ytterbium	176-1	21968	21778	22302	22016	1.21	cps
Ytterbium	176-2	62189	63515	64590	63431	1.90	cps
Yttrium	89-1	49367628	49544778	54877049	51263151	6.11	cps
Yttrium	89-2	4304766	4257241	4265348	4275785	0.59	cps
Zinc	66-2	93751	92428	94012	93397	0.91	cps
Zirconium	90-1	78512	79116	77011	78213	1.39	cps
Zirconium	91-1	16450	17107	17558	17038	3.27	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01LDLX20	Instrumnet Name :	P8
Client Sample ID :	MYD546L	Dilution Factor :	20
Date & Time Acquired :	2024-10-04 18:45:36	DataFile Name :	092AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	276222	277042	279283	277516	0.57	cps
Antimony	121-1	1973	1897	1984	1951	2.43	cps
Arsenic	75-2	2697	2750	2670	2706	1.51	cps
Barium	135-1	106468	106800	107469	106912	0.48	cps
Barium	137-1	188264	187163	185717	187048	0.68	cps
Beryllium	9-1	724	697	662	694	4.50	cps
Bismuth	209-1	28056757	28800547	28497645	28451650	1.31	cps
Bismuth	209-2	12140164	12101767	12172689	12138207	0.29	cps
Bromine	81-1	21320	20836	21166	21107	1.17	cps
Cadmium	108-1	123	120	150	131	12.54	cps
Cadmium	106-1	26632	25831	25146	25870	2.88	cps
Cadmium	111-1	19446	18958	18267	18891	3.14	cps
Calcium	43-1	53181	53358	54272	53604	1.09	cps
Calcium	44-1	875806	880793	877793	878131	0.29	cps
Carbon	12-1	3421845	3343323	3362807	3375992	1.21	cps
Carbon	12-2	32426	32175	31764	32122	1.04	cps
Chlorine	35-1	15829836	15847992	15864350	15847392	0.11	cps
Chlorine	35-2	77362	76477	74839	76226	1.68	cps
Chromium	52-2	12759	12679	12813	12750	0.53	cps
Cobalt	59-2	20668	20578	20491	20579	0.43	cps
Copper	63-2	111030	110928	109122	110360	0.97	cps
Dysprosium	156-1	15399	16026	15319	15581	2.49	cps
Dysprosium	156-2	5478	5394	5665	5512	2.51	cps
Erbium	164-1	12232	12272	12419	12308	0.80	cps
Erbium	164-2	4214	4314	4294	4274	1.24	cps
Gadolinium	160-1	12956	13223	13163	13114	1.07	cps
Gadolinium	160-2	6322	6185	6198	6235	1.21	cps
Holmium	165-1	45277801	45326524	46155496	45586607	1.08	cps
Holmium	165-2	16788180	16760029	16665972	16738060	0.38	cps
Indium	115-1	33553252	33856381	34141078	33850237	0.87	cps
Indium	115-2	4293081	4291359	4245701	4276714	0.63	cps
Iron	54-2	1053469	1047969	1045935	1049124	0.37	cps
Iron	56-2	19740768	19789378	19548754	19692967	0.65	cps
Iron	57-2	485955	486152	488231	486780	0.26	cps
Krypton	83-1	343	310	363	339	7.95	cps
Lead	206-1	132681	132640	131203	132175	0.64	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01LDLX20	Instrumnet Name :	P8
Client Sample ID :	MYD546L	Dilution Factor :	20
Date & Time Acquired :	2024-10-04 18:45:36	DataFile Name :	092AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	117880	119949	119152	118994	0.88	cps
Lead	208-1	530947	536308	532895	533383	0.51	cps
Lithium	6-1	13891404	13924374	14093917	13969898	0.78	cps
Magnesium	24-2	353810	351972	352630	352804	0.26	cps
Manganese	55-2	322535	320778	319654	320989	0.45	cps
Molybdenum	94-1	6508	6972	6765	6748	3.44	cps
Molybdenum	95-1	1003	1130	990	1041	7.42	cps
Molybdenum	96-1	2560	2374	2350	2428	4.74	cps
Molybdenum	97-1	620	607	610	612	1.13	cps
Molybdenum	98-1	1667	1713	1780	1720	3.31	cps
Neodymium	150-1	21160	21254	21995	21469	2.13	cps
Neodymium	150-2	5885	5771	5805	5820	1.00	cps
Nickel	60-2	6628	6678	6512	6606	1.30	cps
Phosphorus	31-2	1077	1180	1127	1128	4.58	cps
Potassium	39-2	158136	155564	157444	157048	0.85	cps
Rhodium	103-1	31249370	30794403	30769778	30937850	0.87	cps
Rhodium	103-2	12148347	12133942	12213247	12165179	0.35	cps
Scandium	45-1	20714026	20543603	20901712	20719780	0.86	cps
Scandium	45-2	531027	528768	528896	529564	0.24	cps
Selenium	82-1	-47	-77	-133	-86	-51.44	cps
Selenium	77-2	17	23	27	22	22.91	cps
Selenium	78-2	27	37	40	34	20.14	cps
Silicon	28-1	5050624	4991875	4922642	4988380	1.28	cps
Silver	107-1	1713	1697	1647	1686	2.05	cps
Silver	109-1	1327	1283	1123	1245	8.61	cps
Sodium	23-2	25048	24414	24694	24719	1.29	cps
Strontium	86-1	27367	27110	27914	27464	1.50	cps
Strontium	88-1	233049	233057	233412	233172	0.09	cps
Sulfur	34-1	490868	489647	494235	491583	0.48	cps
Terbium	159-1	46295234	45966456	46312063	46191251	0.42	cps
Terbium	159-2	16572797	16343030	16279854	16398560	0.94	cps
Thallium	203-1	937	870	783	863	8.91	cps
Thallium	205-1	2104	2140	1937	2060	5.26	cps
Tin	118-1	6622	5955	6618	6398	6.00	cps
Titanium	47-1	231013	229238	233112	231121	0.84	cps
Uranium	238-1	5101	5228	5231	5187	1.43	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01LDLX20	Instrumnet Name :	P8
Client Sample ID :	MYD546L	Dilution Factor :	20
Date & Time Acquired :	2024-10-04 18:45:36	DataFile Name :	092AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	28999	28705	28478	28728	0.91	cps
Ytterbium	172-1	3604	3804	3891	3766	3.90	cps
Ytterbium	172-2	1610	1643	1753	1669	4.49	cps
Ytterbium	176-1	12296	11782	12349	12142	2.58	cps
Ytterbium	176-2	60267	60856	60715	60613	0.51	cps
Yttrium	89-1	48952389	47884499	48698874	48511921	1.15	cps
Yttrium	89-2	4255793	4258539	4330701	4281678	0.99	cps
Zinc	66-2	19517	20001	19937	19818	1.33	cps
Zirconium	90-1	16743	16950	17368	17020	1.87	cps
Zirconium	91-1	3607	3634	3791	3677	2.69	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-03DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546S	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:48:51	DataFile Name :	093AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1476161	1453871	1492557	1474196	1.32	cps
Antimony	121-1	407517	411928	410003	409816	0.54	cps
Arsenic	75-2	16226	16466	15899	16197	1.76	cps
Barium	135-1	2916865	2951411	2945154	2937810	0.63	cps
Barium	137-1	4916545	5010225	4963421	4963397	0.94	cps
Beryllium	9-1	56176	57133	55577	56295	1.39	cps
Bismuth	209-1	28491097	28288733	28085430	28288420	0.72	cps
Bismuth	209-2	11959056	11884370	12105098	11982841	0.94	cps
Bromine	81-1	22515	21944	21487	21982	2.34	cps
Cadmium	108-1	4047	4117	4351	4172	3.81	cps
Cadmium	106-1	32675	32338	31974	32329	1.09	cps
Cadmium	111-1	79029	79005	78362	78798	0.48	cps
Calcium	43-1	267595	270885	271387	269956	0.76	cps
Calcium	44-1	4460069	4579798	4570264	4536711	1.47	cps
Carbon	12-1	3980042	3968354	3943502	3963966	0.47	cps
Carbon	12-2	38253	38273	37909	38145	0.54	cps
Chlorine	35-1	56974472	59987142	60134699	59032105	3.02	cps
Chlorine	35-2	302704	298033	298981	299906	0.82	cps
Chromium	52-2	264693	264416	260847	263319	0.81	cps
Cobalt	59-2	1040972	1038965	1049112	1043016	0.52	cps
Copper	63-2	885815	889295	884313	886474	0.29	cps
Dysprosium	156-1	78213	79394	79769	79126	1.03	cps
Dysprosium	156-2	27321	27852	27605	27593	0.96	cps
Erbium	164-1	59492	60041	60715	60083	1.02	cps
Erbium	164-2	21007	21301	21254	21187	0.75	cps
Gadolinium	160-1	64485	65754	65134	65125	0.97	cps
Gadolinium	160-2	27211	27782	27856	27616	1.28	cps
Holmium	165-1	45548568	46543628	46230519	46107572	1.10	cps
Holmium	165-2	16606401	16570585	16896128	16691038	1.07	cps
Indium	115-1	34410447	34214728	33505633	34043603	1.40	cps
Indium	115-2	4254910	4265082	4214111	4244701	0.64	cps
Iron	54-2	5388703	5402252	5345819	5378925	0.55	cps
Iron	56-2	101159322	99016052	98772659	99649344	1.32	cps
Iron	57-2	2539170	2490024	2528613	2519269	1.03	cps
Krypton	83-1	363	427	507	432	16.62	cps
Lead	206-1	745291	740696	746308	744099	0.40	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-03DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546S	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:48:51	DataFile Name :	093AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	659679	674754	666412	666948	1.13	cps
Lead	208-1	2997435	3026332	3000854	3008207	0.52	cps
Lithium	6-1	14260509	14282419	14084246	14209058	0.76	cps
Magnesium	24-2	1777478	1785838	1770290	1777868	0.44	cps
Manganese	55-2	1941895	1904690	1929927	1925504	0.99	cps
Molybdenum	94-1	30270	31392	31716	31126	2.44	cps
Molybdenum	95-1	4768	5054	4854	4892	3.01	cps
Molybdenum	96-1	10824	11178	11345	11116	2.39	cps
Molybdenum	97-1	2887	2877	3064	2943	3.57	cps
Molybdenum	98-1	8213	7595	7369	7726	5.65	cps
Neodymium	150-1	108816	109586	107180	108527	1.13	cps
Neodymium	150-2	29392	29439	28928	29253	0.97	cps
Nickel	60-2	287304	290273	283632	287070	1.16	cps
Phosphorus	31-2	4831	5001	4667	4833	3.45	cps
Potassium	39-2	742289	745736	737524	741850	0.56	cps
Rhodium	103-1	31146661	30672002	31002330	30940331	0.79	cps
Rhodium	103-2	12116947	12306030	12081469	12168148	0.99	cps
Scandium	45-1	20801981	20929683	20782684	20838116	0.38	cps
Scandium	45-2	534127	534517	531697	533447	0.29	cps
Selenium	82-1	7212	7172	7052	7145	1.17	cps
Selenium	77-2	307	270	223	267	15.66	cps
Selenium	78-2	700	720	653	691	4.95	cps
Silicon	28-1	23202936	23537493	23658288	23466239	1.01	cps
Silver	107-1	298924	304513	302868	302102	0.95	cps
Silver	109-1	286344	289163	292514	289340	1.07	cps
Sodium	23-2	57590	57720	58286	57865	0.64	cps
Strontium	86-1	137676	136131	135782	136530	0.74	cps
Strontium	88-1	1172178	1169504	1186725	1176136	0.79	cps
Sulfur	34-1	505958	504014	503169	504380	0.28	cps
Terbium	159-1	46121869	47074623	46551896	46582796	1.02	cps
Terbium	159-2	16441316	16468361	16537066	16482248	0.30	cps
Thallium	203-1	254921	259932	257250	257367	0.97	cps
Thallium	205-1	617972	623867	620943	620928	0.47	cps
Tin	118-1	22038	21500	21707	21748	1.25	cps
Titanium	47-1	1175182	1186976	1178462	1180207	0.52	cps
Uranium	238-1	26578	26120	25683	26127	1.71	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-03DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546S	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:48:51	DataFile Name :	093AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	539305	535116	533932	536118	0.53	cps
Ytterbium	172-1	18166	18730	18480	18459	1.53	cps
Ytterbium	172-2	8133	7702	8123	7986	3.08	cps
Ytterbium	176-1	21401	22185	21484	21690	1.99	cps
Ytterbium	176-2	63579	63622	64138	63780	0.49	cps
Yttrium	89-1	50205933	49907053	49572488	49895158	0.64	cps
Yttrium	89-2	4333581	4390229	4307546	4343785	0.97	cps
Zinc	66-2	161407	164792	162431	162877	1.07	cps
Zirconium	90-1	78633	78828	78811	78757	0.14	cps
Zirconium	91-1	18189	17464	17902	17852	2.04	cps

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01MSDLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:52:00	DataFile Name :	094AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1610809	1641145	1637345	1629767	1.01	cps
Antimony	121-1	1842959	1879096	1871263	1864439	1.02	cps
Arsenic	75-2	27186	27300	27640	27376	0.86	cps
Barium	135-1	11058468	11090360	11177467	11108765	0.55	cps
Barium	137-1	19020241	19155717	19301140	19159033	0.73	cps
Beryllium	9-1	242274	246133	245363	244590	0.83	cps
Bismuth	209-1	28550708	28031643	28409460	28330603	0.95	cps
Bismuth	209-2	11974392	12131709	12277750	12127950	1.25	cps
Bromine	81-1	22041	22612	22679	22444	1.56	cps
Cadmium	108-1	16750	17147	16884	16927	1.19	cps
Cadmium	106-1	49084	48619	49110	48938	0.57	cps
Cadmium	111-1	270586	273878	273333	272599	0.65	cps
Calcium	43-1	261363	268518	270227	266703	1.76	cps
Calcium	44-1	4448617	4482297	4474653	4468522	0.40	cps
Carbon	12-1	3964316	4007438	3945005	3972253	0.80	cps
Carbon	12-2	38143	37411	37578	37711	1.02	cps
Chlorine	35-1	56011001	58766044	59818686	58198577	3.38	cps
Chlorine	35-2	297496	298207	299626	298443	0.36	cps
Chromium	52-2	989156	983148	981923	984742	0.39	cps
Cobalt	59-2	4550627	4524644	4550578	4541950	0.33	cps
Copper	63-2	2152514	2203296	2245497	2200436	2.12	cps
Dysprosium	156-1	76480	77392	78405	77426	1.24	cps
Dysprosium	156-2	27388	27151	27933	27491	1.46	cps
Erbium	164-1	58504	58705	58930	58713	0.36	cps
Erbium	164-2	20907	21127	20917	20983	0.59	cps
Gadolinium	160-1	63587	64133	64240	63987	0.55	cps
Gadolinium	160-2	27792	27883	27164	27613	1.42	cps
Holmium	165-1	46228743	46343184	46628589	46400172	0.44	cps
Holmium	165-2	16676538	16735702	16703691	16705311	0.18	cps
Indium	115-1	33623748	33031208	33891736	33515564	1.31	cps
Indium	115-2	4274362	4219418	4216849	4236876	0.77	cps
Iron	54-2	5512852	5480428	5529365	5507549	0.45	cps
Iron	56-2	102326288	100897045	101175508	101466281	0.75	cps
Iron	57-2	2551175	2603202	2594496	2582958	1.08	cps
Krypton	83-1	420	510	457	462	9.79	cps
Lead	206-1	1019681	1031087	1037200	1029323	0.86	cps

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01MSDLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:52:00	DataFile Name :	094AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	901928	908178	914399	908168	0.69	cps
Lead	208-1	4188806	4184033	4208051	4193630	0.30	cps
Lithium	6-1	13899156	13758722	13801937	13819939	0.52	cps
Magnesium	24-2	1771577	1762465	1790056	1774699	0.79	cps
Manganese	55-2	2875501	2789144	2810884	2825176	1.59	cps
Molybdenum	94-1	32040	33417	32859	32772	2.11	cps
Molybdenum	95-1	4711	4824	4771	4769	1.19	cps
Molybdenum	96-1	10988	11575	11695	11419	3.31	cps
Molybdenum	97-1	2837	2987	3080	2968	4.14	cps
Molybdenum	98-1	7285	7786	7879	7650	4.17	cps
Neodymium	150-1	107499	107187	109620	108102	1.22	cps
Neodymium	150-2	29312	29499	29693	29501	0.65	cps
Nickel	60-2	1190138	1196296	1194286	1193573	0.26	cps
Phosphorus	31-2	4561	4787	4657	4669	2.44	cps
Potassium	39-2	737650	730106	736510	734755	0.55	cps
Rhodium	103-1	30619135	30217977	30493070	30443394	0.67	cps
Rhodium	103-2	12155506	12170278	12278498	12201427	0.55	cps
Scandium	45-1	20763597	20807848	21049947	20873797	0.74	cps
Scandium	45-2	529300	531130	532740	531057	0.32	cps
Selenium	82-1	33160	33421	32930	33170	0.74	cps
Selenium	77-2	933	917	873	908	3.41	cps
Selenium	78-2	2737	2830	2834	2800	1.96	cps
Silicon	28-1	23784078	23781324	23921837	23829080	0.34	cps
Silver	107-1	1317885	1343622	1352686	1338064	1.35	cps
Silver	109-1	1274626	1295347	1289263	1286412	0.83	cps
Sodium	23-2	59286	59551	59176	59338	0.32	cps
Strontium	86-1	136027	136404	136007	136146	0.16	cps
Strontium	88-1	1144646	1172425	1178681	1165251	1.55	cps
Sulfur	34-1	495685	494200	498803	496229	0.47	cps
Terbium	159-1	46291679	45726003	46588921	46202201	0.95	cps
Terbium	159-2	16374782	16407538	16554768	16445696	0.58	cps
Thallium	203-1	1137690	1145458	1152613	1145254	0.65	cps
Thallium	205-1	2798597	2787625	2829100	2805107	0.77	cps
Tin	118-1	20479	21343	20779	20867	2.10	cps
Titanium	47-1	1166727	1178343	1188992	1178021	0.95	cps
Uranium	238-1	25716	26327	25963	26002	1.18	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-01MSDLX4	Instrumnet Name :	P8
Client Sample ID :	MYD546SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-04 18:52:00	DataFile Name :	094AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1990968	1960667	2004663	1985433	1.13	cps
Ytterbium	172-1	18026	18363	18179	18189	0.93	cps
Ytterbium	172-2	7659	7726	7972	7786	2.12	cps
Ytterbium	176-1	21184	21264	21521	21323	0.83	cps
Ytterbium	176-2	62413	62959	64493	63289	1.70	cps
Yttrium	89-1	48962176	49168191	49797846	49309404	0.88	cps
Yttrium	89-2	4380807	4348430	4371219	4366818	0.38	cps
Zinc	66-2	411266	413005	411971	412081	0.21	cps
Zirconium	90-1	80024	82784	81684	81497	1.70	cps
Zirconium	91-1	18439	18833	18439	18570	1.22	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-05DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5R4	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 18:55:03	DataFile Name :	095AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5609120	5569723	5633761	5604202	0.58	cps
Antimony	121-1	19584	19768	20492	19948	2.41	cps
Arsenic	75-2	37373	37647	37831	37617	0.61	cps
Barium	135-1	5833319	6054232	6018718	5968756	1.99	cps
Barium	137-1	10054111	10249092	10042121	10115108	1.15	cps
Beryllium	9-1	8021	8154	8281	8152	1.60	cps
Bismuth	209-1	28084570	28158135	28166266	28136324	0.16	cps
Bismuth	209-2	11751791	11771976	11561241	11695003	0.99	cps
Bromine	81-1	25881	26455	26746	26360	1.67	cps
Cadmium	108-1	1030	953	1073	1019	5.96	cps
Cadmium	106-1	29892	28797	28533	29074	2.48	cps
Cadmium	111-1	26355	26035	25213	25868	2.28	cps
Calcium	43-1	777142	782408	786128	781893	0.58	cps
Calcium	44-1	13150551	13228956	13073430	13150979	0.59	cps
Carbon	12-1	6948477	6976766	7114996	7013413	1.27	cps
Carbon	12-2	68917	68448	69392	68919	0.69	cps
Chlorine	35-1	115695405	118701758	120833585	118410249	2.18	cps
Chlorine	35-2	595648	600683	598928	598420	0.43	cps
Chromium	52-2	425053	421176	422607	422945	0.46	cps
Cobalt	59-2	470495	472249	469139	470628	0.33	cps
Copper	63-2	1346264	1338621	1346924	1343936	0.34	cps
Dysprosium	156-1	169773	171187	173061	171341	0.96	cps
Dysprosium	156-2	58655	57650	58517	58274	0.93	cps
Erbium	164-1	125855	128224	130011	128030	1.63	cps
Erbium	164-2	44675	45397	45431	45168	0.95	cps
Gadolinium	160-1	135627	136376	137598	136534	0.73	cps
Gadolinium	160-2	56509	56636	56690	56612	0.16	cps
Holmium	165-1	46851753	46632301	47055909	46846654	0.45	cps
Holmium	165-2	16977126	16732396	16470709	16726744	1.51	cps
Indium	115-1	33915717	33632372	33738911	33762333	0.42	cps
Indium	115-2	4233837	4190716	4118376	4180976	1.40	cps
Iron	54-2	23756779	23642582	23397309	23598890	0.78	cps
Iron	56-2	436095380	435092927	435455567	435547958	0.12	cps
Iron	57-2	11191379	10914556	10856172	10987369	1.63	cps
Krypton	83-1	593	600	520	571	7.77	cps
Lead	206-1	1172052	1177250	1190585	1179963	0.81	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-05DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5R4	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 18:55:03	DataFile Name :	095AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1025374	1026361	1036274	1029336	0.59	cps
Lead	208-1	4782433	4768211	4801868	4784171	0.35	cps
Lithium	6-1	14253518	14197125	14181674	14210772	0.27	cps
Magnesium	24-2	9677696	9562601	9552252	9597516	0.73	cps
Manganese	55-2	22302018	22265159	22393746	22320307	0.30	cps
Molybdenum	94-1	104374	104905	104442	104573	0.28	cps
Molybdenum	95-1	12155	12786	12356	12432	2.59	cps
Molybdenum	96-1	34553	33858	34676	34362	1.28	cps
Molybdenum	97-1	7112	7505	7379	7332	2.74	cps
Molybdenum	98-1	18032	18376	18232	18213	0.95	cps
Neodymium	150-1	232127	229544	233948	231873	0.95	cps
Neodymium	150-2	61795	61550	61928	61758	0.31	cps
Nickel	60-2	193801	190642	192354	192266	0.82	cps
Phosphorus	31-2	7102	7068	6978	7050	0.91	cps
Potassium	39-2	1841885	1800113	1790714	1810904	1.50	cps
Rhodium	103-1	30922136	30434170	30839974	30732093	0.85	cps
Rhodium	103-2	11935828	12000955	11954871	11963885	0.28	cps
Scandium	45-1	21983170	21945894	21749997	21893020	0.57	cps
Scandium	45-2	557186	556812	559432	557810	0.25	cps
Selenium	82-1	10	217	97	108	96.29	cps
Selenium	77-2	253	253	253	253	0.00	cps
Selenium	78-2	210	160	167	179	15.18	cps
Silicon	28-1	43911393	44100618	43153859	43721957	1.15	cps
Silver	107-1	12077	12100	12040	12072	0.25	cps
Silver	109-1	7859	7452	7212	7508	4.36	cps
Sodium	23-2	87185	86977	87118	87093	0.12	cps
Strontium	86-1	547208	548740	550149	548699	0.27	cps
Strontium	88-1	4838330	4871538	4901326	4870398	0.65	cps
Sulfur	34-1	536399	539359	535954	537237	0.34	cps
Terbium	159-1	46571521	47142326	47088696	46934181	0.67	cps
Terbium	159-2	16636211	16346169	16365986	16449455	0.99	cps
Thallium	203-1	8693	8620	8680	8664	0.45	cps
Thallium	205-1	21104	20600	20827	20844	1.21	cps
Tin	118-1	43592	42981	43298	43290	0.71	cps
Titanium	47-1	1954885	1973145	1980362	1969464	0.67	cps
Uranium	238-1	65018	64905	66013	65312	0.93	cps

Reviewed By:mohan
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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-05DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5R4	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 18:55:03	DataFile Name :	095AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	820004	821795	814231	818677	0.48	cps
Ytterbium	172-1	43548	43210	43638	43466	0.52	cps
Ytterbium	172-2	17912	18920	18139	18324	2.89	cps
Ytterbium	176-1	37232	37313	38412	37652	1.75	cps
Ytterbium	176-2	69344	70038	70651	70011	0.93	cps
Yttrium	89-1	51593978	52633869	51437928	51888591	1.25	cps
Yttrium	89-2	4441000	4480452	4501693	4474382	0.69	cps
Zinc	66-2	181530	180972	180442	180981	0.30	cps
Zirconium	90-1	275103	271595	275501	274067	0.78	cps
Zirconium	91-1	60450	60574	62335	61120	1.73	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-17DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5S6	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 18:58:10	DataFile Name :	096AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2173345	2172941	2123147	2156478	1.34	cps
Antimony	121-1	15018	15209	15362	15196	1.13	cps
Arsenic	75-2	17294	17388	16717	17133	2.12	cps
Barium	135-1	4732554	4857254	4756254	4782020	1.38	cps
Barium	137-1	8123860	8287294	8231644	8214266	1.01	cps
Beryllium	9-1	5937	5941	5903	5927	0.35	cps
Bismuth	209-1	28462856	28772227	27981882	28405655	1.40	cps
Bismuth	209-2	11916973	11927124	11849224	11897774	0.36	cps
Bromine	81-1	23530	23296	23249	23359	0.64	cps
Cadmium	108-1	797	767	857	807	5.68	cps
Cadmium	106-1	28727	28817	28195	28580	1.17	cps
Cadmium	111-1	21341	21699	20984	21341	1.67	cps
Calcium	43-1	2654069	2596100	2680176	2643448	1.63	cps
Calcium	44-1	43728499	43258354	43244969	43410608	0.63	cps
Carbon	12-1	3718367	3700600	3667274	3695414	0.70	cps
Carbon	12-2	36305	35349	35697	35783	1.35	cps
Chlorine	35-1	122472242	125418585	128778628	125556485	2.51	cps
Chlorine	35-2	635157	622931	629078	629055	0.97	cps
Chromium	52-2	223486	222117	224670	223424	0.57	cps
Cobalt	59-2	253468	251006	253936	252803	0.62	cps
Copper	63-2	606476	604052	601736	604088	0.39	cps
Dysprosium	156-1	105707	106530	106785	106341	0.53	cps
Dysprosium	156-2	35912	36530	36684	36375	1.12	cps
Erbium	164-1	77755	78832	78205	78264	0.69	cps
Erbium	164-2	27906	27836	27812	27851	0.17	cps
Gadolinium	160-1	84347	84462	85850	84886	0.99	cps
Gadolinium	160-2	34755	35226	35621	35201	1.23	cps
Holmium	165-1	46655696	47310303	45530224	46498741	1.94	cps
Holmium	165-2	17019481	16784855	17256158	17020165	1.38	cps
Indium	115-1	33822586	34145906	33582406	33850299	0.84	cps
Indium	115-2	4256728	4142610	4218223	4205854	1.38	cps
Iron	54-2	11124546	11131059	11173023	11142876	0.24	cps
Iron	56-2	203051890	203400124	203264137	203238717	0.09	cps
Iron	57-2	5252815	5184470	5187125	5208137	0.74	cps
Krypton	83-1	467	440	407	438	6.87	cps
Lead	206-1	462463	464064	466038	464188	0.39	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-17DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5S6	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 18:58:10	DataFile Name :	096AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	416607	417878	423683	419389	0.90	cps
Lead	208-1	1872063	1877750	1895330	1881714	0.64	cps
Lithium	6-1	14076327	14123424	14155026	14118259	0.28	cps
Magnesium	24-2	7195260	7035598	6952887	7061248	1.74	cps
Manganese	55-2	19945665	20058973	20236504	20080381	0.73	cps
Molybdenum	94-1	124871	125863	126472	125735	0.64	cps
Molybdenum	95-1	9403	10147	9570	9707	4.02	cps
Molybdenum	96-1	32054	32471	32287	32271	0.65	cps
Molybdenum	97-1	5551	5524	5588	5554	0.57	cps
Molybdenum	98-1	14458	14441	14471	14457	0.10	cps
Neodymium	150-1	147524	150429	149219	149057	0.98	cps
Neodymium	150-2	39722	40715	40310	40249	1.24	cps
Nickel	60-2	153126	152207	153823	153052	0.53	cps
Phosphorus	31-2	6772	6978	6945	6898	1.61	cps
Potassium	39-2	405851	406822	408858	407177	0.38	cps
Rhodium	103-1	30873460	30827650	30445800	30715637	0.76	cps
Rhodium	103-2	12072052	12001639	12083744	12052478	0.37	cps
Scandium	45-1	21500602	21233956	20921993	21218850	1.36	cps
Scandium	45-2	542627	539141	540433	540734	0.33	cps
Selenium	82-1	-3	7	53	19	160.10	cps
Selenium	77-2	193	113	133	147	28.39	cps
Selenium	78-2	123	133	130	129	3.95	cps
Silicon	28-1	53665468	53663846	54158469	53829261	0.53	cps
Silver	107-1	9432	9525	9370	9442	0.82	cps
Silver	109-1	2204	2280	2160	2215	2.74	cps
Sodium	23-2	559455	557627	556878	557987	0.24	cps
Strontium	86-1	924958	929130	932694	928927	0.42	cps
Strontium	88-1	8260998	8197218	8195516	8217910	0.45	cps
Sulfur	34-1	518950	514606	513540	515699	0.56	cps
Terbium	159-1	46666643	47432866	47054749	47051419	0.81	cps
Terbium	159-2	16606247	16571465	16625280	16600998	0.16	cps
Thallium	203-1	4918	4941	5094	4984	1.93	cps
Thallium	205-1	11275	11525	11896	11565	2.70	cps
Tin	118-1	39480	38511	38019	38670	1.92	cps
Titanium	47-1	2375136	2367067	2346351	2362851	0.63	cps
Uranium	238-1	41257	41521	41431	41403	0.32	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2826-17DLX2	Instrumnet Name :	P8
Client Sample ID :	MYD5S6	Dilution Factor :	2
Date & Time Acquired :	2024-10-04 18:58:10	DataFile Name :	096AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	364359	359695	363439	362498	0.68	cps
Ytterbium	172-1	26356	26664	26974	26665	1.16	cps
Ytterbium	172-2	11035	11168	11418	11207	1.74	cps
Ytterbium	176-1	26964	27468	26533	26989	1.73	cps
Ytterbium	176-2	65093	66630	66801	66175	1.42	cps
Yttrium	89-1	51399673	51089661	49323004	50604113	2.21	cps
Yttrium	89-2	4460410	4442232	4405277	4435973	0.63	cps
Zinc	66-2	68789	68035	67372	68066	1.04	cps
Zirconium	90-1	332234	334223	329348	331935	0.74	cps
Zirconium	91-1	73090	73737	74726	73851	1.12	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-01	Instrumnet Name :	P8
Client Sample ID :	MYD5K5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:01:17	DataFile Name :	097AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8102279	7999879	8004829	8035663	0.72	cps
Antimony	121-1	47004	47021	47920	47315	1.11	cps
Arsenic	75-2	89133	88818	89653	89201	0.47	cps
Barium	135-1	3512343	3686198	3567486	3588676	2.48	cps
Barium	137-1	6029784	6130765	6233185	6131245	1.66	cps
Beryllium	9-1	10009	10034	10260	10101	1.37	cps
Bismuth	209-1	27436392	27701436	27713300	27617043	0.57	cps
Bismuth	209-2	11260268	11194294	11317747	11257436	0.55	cps
Bromine	81-1	31980	32117	32882	32326	1.50	cps
Cadmium	108-1	1130	1173	1227	1177	4.11	cps
Cadmium	106-1	30193	29648	29051	29631	1.93	cps
Cadmium	111-1	26095	25854	25541	25830	1.08	cps
Calcium	43-1	827537	849077	848532	841715	1.46	cps
Calcium	44-1	13806319	14059374	14241514	14035736	1.56	cps
Carbon	12-1	12643613	12945675	13131646	12906978	1.91	cps
Carbon	12-2	124047	125100	124115	124421	0.47	cps
Chlorine	35-1	200420810	209022930	210178937	206540892	2.58	cps
Chlorine	35-2	1029590	1029278	1023179	1027349	0.35	cps
Chromium	52-2	908906	900149	902157	903737	0.51	cps
Cobalt	59-2	956668	951612	947183	951821	0.50	cps
Copper	63-2	1924545	1906529	1903448	1911507	0.60	cps
Dysprosium	156-1	260156	265307	266878	264114	1.33	cps
Dysprosium	156-2	87611	86377	85887	86625	1.03	cps
Erbium	164-1	179352	180936	181653	180647	0.65	cps
Erbium	164-2	63283	62630	62392	62768	0.73	cps
Gadolinium	160-1	202883	203437	206281	204200	0.89	cps
Gadolinium	160-2	83684	83935	82610	83410	0.84	cps
Holmium	165-1	46068313	46768978	46729128	46522139	0.85	cps
Holmium	165-2	16762375	16418877	16352195	16511149	1.33	cps
Indium	115-1	32786922	33866534	33685039	33446165	1.73	cps
Indium	115-2	4142442	4100360	4103717	4115507	0.57	cps
Iron	54-2	52276838	51212388	51581939	51690388	1.05	cps
Iron	56-2	949324439	950535639	943364279	947741453	0.41	cps
Iron	57-2	23902420	24058147	23609553	23856707	0.95	cps
Krypton	83-1	677	683	643	668	3.21	cps
Lead	206-1	1464971	1501896	1513236	1493367	1.69	cps

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-01	Instrumnet Name :	P8
Client Sample ID :	MYD5K5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:01:17	DataFile Name :	097AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1312190	1344023	1354928	1337047	1.66	cps
Lead	208-1	5994692	6165447	6199885	6120008	1.80	cps
Lithium	6-1	14325467	14378803	14281730	14328667	0.34	cps
Magnesium	24-2	13830224	13905850	13786396	13840823	0.44	cps
Manganese	55-2	29684952	29413496	29688048	29595499	0.53	cps
Molybdenum	94-1	138326	141612	141437	140459	1.32	cps
Molybdenum	95-1	36184	36996	37019	36733	1.30	cps
Molybdenum	96-1	69345	69462	70424	69744	0.85	cps
Molybdenum	97-1	22405	22505	22585	22498	0.40	cps
Molybdenum	98-1	56856	57060	57833	57250	0.90	cps
Neodymium	150-1	337220	344922	349349	343830	1.79	cps
Neodymium	150-2	92318	92650	90962	91977	0.97	cps
Nickel	60-2	327251	325073	325827	326050	0.34	cps
Phosphorus	31-2	14207	13893	13857	13986	1.38	cps
Potassium	39-2	3449136	3418488	3384728	3417451	0.94	cps
Rhodium	103-1	30118201	29983221	29961549	30020990	0.28	cps
Rhodium	103-2	11787719	11823984	11850571	11820758	0.27	cps
Scandium	45-1	22038061	22356592	22704738	22366464	1.49	cps
Scandium	45-2	571453	569484	565840	568925	0.50	cps
Selenium	82-1	230	243	160	211	21.21	cps
Selenium	77-2	370	353	350	358	3.00	cps
Selenium	78-2	350	293	293	312	10.48	cps
Silicon	28-1	65246612	65625144	65322139	65397965	0.31	cps
Silver	107-1	13353	13537	13630	13507	1.04	cps
Silver	109-1	7425	7175	7149	7250	2.11	cps
Sodium	23-2	130890	130908	130080	130626	0.36	cps
Strontium	86-1	767396	767440	776489	770441	0.68	cps
Strontium	88-1	6788347	6768072	6821706	6792708	0.40	cps
Sulfur	34-1	558704	563078	561572	561118	0.40	cps
Terbium	159-1	46288091	46866499	46985754	46713448	0.80	cps
Terbium	159-2	16493781	16233265	16042166	16256404	1.39	cps
Thallium	203-1	9747	9784	10217	9916	2.64	cps
Thallium	205-1	23815	24176	24129	24040	0.82	cps
Tin	118-1	66330	67110	68021	67154	1.26	cps
Titanium	47-1	3637606	3640021	3674377	3650668	0.56	cps
Uranium	238-1	106861	108232	109436	108177	1.19	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-01	Instrumnet Name :	P8
Client Sample ID :	MYD5K5	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:01:17	DataFile Name :	097AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1521823	1503242	1488995	1504686	1.09	cps
Ytterbium	172-1	56423	56577	57474	56825	1.00	cps
Ytterbium	172-2	23564	24045	23210	23607	1.77	cps
Ytterbium	176-1	45732	46428	46993	46384	1.36	cps
Ytterbium	176-2	72055	71764	71295	71704	0.54	cps
Yttrium	89-1	51789564	51024666	51070746	51294992	0.84	cps
Yttrium	89-2	4496233	4482999	4446510	4475247	0.58	cps
Zinc	66-2	275707	275374	275228	275436	0.09	cps
Zirconium	90-1	326029	329997	328647	328224	0.61	cps
Zirconium	91-1	72685	75350	75982	74672	2.34	cps

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-02	Instrumnet Name :	P8
Client Sample ID :	MYD5K5D	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:04:24	DataFile Name :	098AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7975628	8010963	8073764	8020118	0.62	cps
Antimony	121-1	46074	46539	46244	46286	0.51	cps
Arsenic	75-2	89566	90314	88740	89540	0.88	cps
Barium	135-1	3647171	3650057	3669275	3655501	0.33	cps
Barium	137-1	6282583	6284323	6315408	6294105	0.29	cps
Beryllium	9-1	10081	9853	9866	9933	1.29	cps
Bismuth	209-1	27102883	27788135	27365601	27418873	1.26	cps
Bismuth	209-2	11459570	11436744	11300204	11398839	0.76	cps
Bromine	81-1	32705	32919	32491	32705	0.65	cps
Cadmium	108-1	1147	1010	1163	1107	7.60	cps
Cadmium	106-1	29725	29775	29154	29552	1.17	cps
Cadmium	111-1	25886	26057	25281	25742	1.58	cps
Calcium	43-1	825333	825484	830993	827270	0.39	cps
Calcium	44-1	13567791	13831678	13897319	13765596	1.27	cps
Carbon	12-1	12640896	12967514	12998065	12868825	1.54	cps
Carbon	12-2	123842	124693	123792	124109	0.41	cps
Chlorine	35-1	201424110	205747070	207507137	204892773	1.53	cps
Chlorine	35-2	1050944	1034817	1043003	1042921	0.77	cps
Chromium	52-2	908942	909107	911658	909902	0.17	cps
Cobalt	59-2	964352	960515	961496	962121	0.21	cps
Copper	63-2	1918647	1916572	1915685	1916968	0.08	cps
Dysprosium	156-1	257205	262073	261009	260096	0.98	cps
Dysprosium	156-2	89259	87198	87497	87985	1.27	cps
Erbium	164-1	179811	180777	179827	180139	0.31	cps
Erbium	164-2	63765	62898	64459	63707	1.23	cps
Gadolinium	160-1	202240	202971	204210	203140	0.49	cps
Gadolinium	160-2	84764	84214	85605	84861	0.83	cps
Holmium	165-1	46622676	47069558	46560981	46751072	0.59	cps
Holmium	165-2	16779425	16893634	16739267	16804109	0.48	cps
Indium	115-1	33523505	33067504	33011530	33200846	0.85	cps
Indium	115-2	4146197	4159398	4126873	4144156	0.39	cps
Iron	54-2	52082009	51422878	51103488	51536125	0.97	cps
Iron	56-2	959240066	958489746	936506066	951411959	1.36	cps
Iron	57-2	24096963	23880630	23932803	23970132	0.47	cps
Krypton	83-1	720	580	730	677	12.39	cps
Lead	206-1	1479791	1509489	1498615	1495965	1.00	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-02	Instrumnet Name :	P8
Client Sample ID :	MYD5K5D	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:04:24	DataFile Name :	098AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1340989	1354343	1361984	1352439	0.79	cps
Lead	208-1	6122547	6193025	6104163	6139912	0.76	cps
Lithium	6-1	14121806	14138990	14105008	14121935	0.12	cps
Magnesium	24-2	13901631	14015120	13916440	13944397	0.44	cps
Manganese	55-2	30739473	30758509	30167605	30555195	1.10	cps
Molybdenum	94-1	137185	138231	140855	138757	1.36	cps
Molybdenum	95-1	35736	36404	37116	36419	1.90	cps
Molybdenum	96-1	68715	69168	69342	69075	0.47	cps
Molybdenum	97-1	22208	21720	22281	22070	1.38	cps
Molybdenum	98-1	56387	57100	57719	57069	1.17	cps
Neodymium	150-1	338952	342222	340724	340633	0.48	cps
Neodymium	150-2	92875	93057	91392	92441	0.99	cps
Nickel	60-2	329397	327822	326744	327987	0.41	cps
Phosphorus	31-2	14180	13890	13743	13938	1.60	cps
Potassium	39-2	3469769	3422897	3426917	3439861	0.76	cps
Rhodium	103-1	29741895	30146097	30046498	29978163	0.70	cps
Rhodium	103-2	11863821	12070214	11759102	11897713	1.33	cps
Scandium	45-1	22279276	22385701	22220176	22295051	0.38	cps
Scandium	45-2	571847	571362	568914	570708	0.28	cps
Selenium	82-1	63	323	180	189	68.95	cps
Selenium	77-2	387	410	393	397	3.03	cps
Selenium	78-2	310	237	327	291	16.45	cps
Silicon	28-1	65710441	65043934	65707841	65487405	0.59	cps
Silver	107-1	13079	13450	13516	13348	1.76	cps
Silver	109-1	7359	7019	7255	7211	2.42	cps
Sodium	23-2	131253	130201	130409	130621	0.43	cps
Strontium	86-1	758544	767696	768361	764867	0.72	cps
Strontium	88-1	6787413	6776282	6762164	6775286	0.19	cps
Sulfur	34-1	556572	554023	552291	554295	0.39	cps
Terbium	159-1	46353893	46971174	46364086	46563051	0.76	cps
Terbium	159-2	16546282	16449181	16284580	16426681	0.81	cps
Thallium	203-1	9734	9931	9840	9835	1.00	cps
Thallium	205-1	23405	23238	23695	23446	0.99	cps
Tin	118-1	67543	67308	68501	67784	0.93	cps
Titanium	47-1	3577132	3634717	3636210	3616020	0.93	cps
Uranium	238-1	106787	107745	107009	107180	0.47	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-02	Instrumnet Name :	P8
Client Sample ID :	MYD5K5D	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:04:24	DataFile Name :	098AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1512514	1501607	1521295	1511806	0.65	cps
Ytterbium	172-1	56436	57323	56266	56675	1.00	cps
Ytterbium	172-2	24329	24409	24059	24266	0.76	cps
Ytterbium	176-1	46003	46559	45786	46116	0.86	cps
Ytterbium	176-2	72759	72450	72384	72531	0.28	cps
Yttrium	89-1	50762219	51262193	51004679	51009697	0.49	cps
Yttrium	89-2	4523583	4498547	4424920	4482350	1.14	cps
Zinc	66-2	280645	278881	280077	279868	0.32	cps
Zirconium	90-1	326241	325678	326157	326025	0.09	cps
Zirconium	91-1	73117	74424	73717	73752	0.89	cps

Reviewed By:mohan
On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD5K5L	Dilution Factor :	5
Date & Time Acquired :	2024-10-04 19:07:28	DataFile Name :	099AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1581021	1602498	1568459	1583993	1.09	cps
Antimony	121-1	9160	9043	9050	9084	0.72	cps
Arsenic	75-2	17351	17531	17568	17483	0.66	cps
Barium	135-1	685022	686722	682625	684790	0.30	cps
Barium	137-1	1190403	1192181	1192147	1191577	0.09	cps
Beryllium	9-1	2067	2043	2080	2064	0.91	cps
Bismuth	209-1	28936440	28794958	28863989	28865129	0.25	cps
Bismuth	209-2	11953616	11855138	11814059	11874271	0.60	cps
Bromine	81-1	24445	24161	24385	24330	0.61	cps
Cadmium	108-1	277	263	237	259	7.87	cps
Cadmium	106-1	27324	26612	26519	26818	1.64	cps
Cadmium	111-1	20173	19688	19561	19807	1.63	cps
Calcium	43-1	160510	163039	163678	162409	1.03	cps
Calcium	44-1	2727076	2718994	2739050	2728373	0.37	cps
Carbon	12-1	4854491	4872232	4767974	4831566	1.15	cps
Carbon	12-2	46286	45714	46189	46063	0.66	cps
Chlorine	35-1	44167459	45272848	44768819	44736375	1.24	cps
Chlorine	35-2	215967	213589	213200	214252	0.70	cps
Chromium	52-2	175468	176143	175346	175652	0.24	cps
Cobalt	59-2	186153	187575	186467	186732	0.40	cps
Copper	63-2	370876	371726	369222	370608	0.34	cps
Dysprosium	156-1	52369	52245	52623	52412	0.37	cps
Dysprosium	156-2	17321	17051	17168	17180	0.79	cps
Erbium	164-1	34942	35350	35360	35218	0.68	cps
Erbium	164-2	12403	12689	12096	12396	2.40	cps
Gadolinium	160-1	40692	40234	40675	40534	0.64	cps
Gadolinium	160-2	16697	17211	16757	16889	1.66	cps
Holmium	165-1	47417229	46687781	46784718	46963243	0.84	cps
Holmium	165-2	16559539	16524331	16409401	16497757	0.48	cps
Indium	115-1	34323048	34146401	33804667	34091372	0.77	cps
Indium	115-2	4117334	4107158	4152893	4125795	0.58	cps
Iron	54-2	10091999	10080938	9938579	10037172	0.85	cps
Iron	56-2	185345077	186201764	184324084	185290308	0.51	cps
Iron	57-2	4763104	4681676	4624676	4689819	1.48	cps
Krypton	83-1	497	393	440	443	11.67	cps
Lead	206-1	302892	302174	300201	301756	0.46	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD5K5L	Dilution Factor :	5
Date & Time Acquired :	2024-10-04 19:07:28	DataFile Name :	099AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	277074	271420	272152	273549	1.12	cps
Lead	208-1	1234289	1226226	1221044	1227186	0.54	cps
Lithium	6-1	13619571	13731971	13382084	13577875	1.32	cps
Magnesium	24-2	2734750	2665994	2687226	2695990	1.31	cps
Manganese	55-2	5767163	5783625	5761255	5770681	0.20	cps
Molybdenum	94-1	27511	27437	27531	27493	0.18	cps
Molybdenum	95-1	7255	7429	7666	7450	2.76	cps
Molybdenum	96-1	13690	13980	13940	13870	1.13	cps
Molybdenum	97-1	4311	4517	4381	4403	2.39	cps
Molybdenum	98-1	11108	11175	11321	11201	0.97	cps
Neodymium	150-1	67804	68617	67304	67908	0.98	cps
Neodymium	150-2	18082	17688	18216	17995	1.52	cps
Nickel	60-2	65379	65245	64535	65053	0.70	cps
Phosphorus	31-2	2907	2837	2587	2777	6.06	cps
Potassium	39-2	649374	647804	641429	646203	0.65	cps
Rhodium	103-1	30873183	30381185	30230055	30494808	1.10	cps
Rhodium	103-2	11865256	11899212	11872346	11878938	0.15	cps
Scandium	45-1	20907325	20805223	20520740	20744430	0.97	cps
Scandium	45-2	522498	523233	516873	520868	0.67	cps
Selenium	82-1	-197	-137	-70	-134	-47.13	cps
Selenium	77-2	63	60	57	60	5.55	cps
Selenium	78-2	100	73	77	83	17.44	cps
Silicon	28-1	12934638	12994787	12857952	12929126	0.53	cps
Silver	107-1	3075	2915	2923	2971	3.03	cps
Silver	109-1	1460	1637	1663	1587	6.96	cps
Sodium	23-2	37070	37404	37111	37195	0.49	cps
Strontium	86-1	149778	152066	148509	150118	1.20	cps
Strontium	88-1	1293552	1289674	1291305	1291510	0.15	cps
Sulfur	34-1	495653	497297	496706	496552	0.17	cps
Terbium	159-1	47346211	46401909	46916669	46888263	1.01	cps
Terbium	159-2	15996818	16077495	16425239	16166517	1.41	cps
Thallium	203-1	2047	2154	2080	2094	2.61	cps
Thallium	205-1	5221	5271	5214	5236	0.59	cps
Tin	118-1	15175	15456	15352	15328	0.92	cps
Titanium	47-1	691125	689828	688253	689735	0.21	cps
Uranium	238-1	21014	21081	21331	21142	0.79	cps

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On:10/12/2024
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD5K5L	Dilution Factor :	5
Date & Time Acquired :	2024-10-04 19:07:28	DataFile Name :	099AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	282035	279532	277342	279636	0.84	cps
Ytterbium	172-1	11515	11605	11635	11585	0.54	cps
Ytterbium	172-2	4721	4858	4844	4808	1.57	cps
Ytterbium	176-1	17188	17592	17392	17390	1.16	cps
Ytterbium	176-2	59587	59925	60913	60142	1.15	cps
Yttrium	89-1	49688493	48538401	49101198	49109364	1.17	cps
Yttrium	89-2	4255793	4232971	4207701	4232155	0.57	cps
Zinc	66-2	56930	55819	56291	56347	0.99	cps
Zirconium	90-1	63828	64933	64712	64491	0.91	cps
Zirconium	91-1	14301	14047	14571	14306	1.83	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-03	Instrumnet Name :	P8
Client Sample ID :	MYD5K5S	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:10:42	DataFile Name :	100AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7720027	7797838	7708284	7742050	0.63	cps
Antimony	121-1	1444672	1474381	1477446	1465500	1.24	cps
Arsenic	75-2	96827	95434	95652	95971	0.78	cps
Barium	135-1	11765235	11697149	11870161	11777515	0.74	cps
Barium	137-1	20157567	20363720	20310254	20277180	0.53	cps
Beryllium	9-1	191653	194284	193478	193138	0.70	cps
Bismuth	209-1	26175139	27389270	27241376	26935262	2.46	cps
Bismuth	209-2	11177776	11190825	11022292	11130298	0.84	cps
Bromine	81-1	30674	31151	31833	31219	1.87	cps
Cadmium	108-1	13757	14114	14167	14013	1.59	cps
Cadmium	106-1	45207	45959	47093	46087	2.06	cps
Cadmium	111-1	218470	217946	221675	219364	0.92	cps
Calcium	43-1	786597	799047	802559	796068	1.05	cps
Calcium	44-1	13120100	13282100	13267403	13223201	0.68	cps
Carbon	12-1	10781146	11065171	11120096	10988804	1.66	cps
Carbon	12-2	108184	107126	106552	107287	0.77	cps
Chlorine	35-1	187426071	194106444	197153844	192895453	2.58	cps
Chlorine	35-2	969281	966388	964335	966668	0.26	cps
Chromium	52-2	1660701	1664546	1595593	1640280	2.36	cps
Cobalt	59-2	4252603	4295419	4305396	4284473	0.65	cps
Copper	63-2	3038327	3056276	3053652	3049419	0.32	cps
Dysprosium	156-1	248788	252055	255800	252214	1.39	cps
Dysprosium	156-2	83982	83988	83015	83662	0.67	cps
Erbium	164-1	172747	173695	174654	173698	0.55	cps
Erbium	164-2	60329	60222	59338	59963	0.91	cps
Gadolinium	160-1	193814	198792	198562	197056	1.43	cps
Gadolinium	160-2	80340	80736	79629	80235	0.70	cps
Holmium	165-1	43282911	45126479	46217296	44875562	3.31	cps
Holmium	165-2	16019170	16115130	15748062	15960788	1.19	cps
Indium	115-1	31410774	32583937	32677573	32224094	2.19	cps
Indium	115-2	4003961	3961183	4002816	3989320	0.61	cps
Iron	54-2	49368816	49374539	48671203	49138186	0.82	cps
Iron	56-2	884160947	896777800	887521213	889486653	0.73	cps
Iron	57-2	22941763	22882430	22789125	22871106	0.34	cps
Krypton	83-1	670	640	690	667	3.78	cps
Lead	206-1	1735995	1730324	1775487	1747269	1.41	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-03	Instrumnet Name :	P8
Client Sample ID :	MYD5K5S	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:10:42	DataFile Name :	100AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1534450	1564859	1565368	1554892	1.14	cps
Lead	208-1	7054418	7215164	7213376	7160986	1.29	cps
Lithium	6-1	13234535	13583502	13643662	13487233	1.64	cps
Magnesium	24-2	13080189	13173504	12962813	13072169	0.81	cps
Manganese	55-2	29200549	29518431	28992130	29237037	0.91	cps
Molybdenum	94-1	131542	134159	135896	133865	1.64	cps
Molybdenum	95-1	35061	34941	35726	35242	1.20	cps
Molybdenum	96-1	66411	67302	67918	67210	1.13	cps
Molybdenum	97-1	21106	21457	21587	21383	1.16	cps
Molybdenum	98-1	53502	54958	55239	54567	1.71	cps
Neodymium	150-1	323934	332954	335755	330881	1.87	cps
Neodymium	150-2	87241	88291	87949	87827	0.61	cps
Nickel	60-2	1186420	1191504	1178956	1185626	0.53	cps
Phosphorus	31-2	13133	13103	13143	13126	0.16	cps
Potassium	39-2	3208897	3269933	3214646	3231158	1.04	cps
Rhodium	103-1	28321276	29057053	29506598	28961642	2.07	cps
Rhodium	103-2	11398894	11372150	11328358	11366467	0.31	cps
Scandium	45-1	20871931	21511703	21834642	21406092	2.29	cps
Scandium	45-2	546113	548194	544670	546325	0.32	cps
Selenium	82-1	25708	26256	26072	26012	1.07	cps
Selenium	77-2	893	893	953	913	3.79	cps
Selenium	78-2	2144	2397	2287	2276	5.58	cps
Silicon	28-1	62073977	63197874	62620416	62630756	0.90	cps
Silver	107-1	1019923	1027105	1035101	1027376	0.74	cps
Silver	109-1	969351	980342	992435	980709	1.18	cps
Sodium	23-2	122210	122834	122149	122398	0.31	cps
Strontium	86-1	722331	745273	741988	736531	1.68	cps
Strontium	88-1	6532826	6706177	6551516	6596840	1.44	cps
Sulfur	34-1	543398	542849	539350	541866	0.41	cps
Terbium	159-1	44969839	45113774	46236429	45440014	1.53	cps
Terbium	159-2	15953824	15940192	15725973	15873330	0.81	cps
Thallium	203-1	900232	924182	926631	917015	1.59	cps
Thallium	205-1	2245801	2252663	2235270	2244578	0.39	cps
Tin	118-1	64457	65462	65402	65107	0.87	cps
Titanium	47-1	3429240	3480962	3489812	3466671	0.94	cps
Uranium	238-1	101307	105201	106253	104253	2.50	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-03	Instrumnet Name :	P8
Client Sample ID :	MYD5K5S	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:10:42	DataFile Name :	100AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2855131	2875207	2868500	2866279	0.36	cps
Ytterbium	172-1	53946	54953	55763	54888	1.66	cps
Ytterbium	172-2	22730	22676	22836	22747	0.36	cps
Ytterbium	176-1	43980	44772	45913	44888	2.16	cps
Ytterbium	176-2	69321	69900	69669	69630	0.42	cps
Yttrium	89-1	49210441	49326409	50160204	49565685	1.05	cps
Yttrium	89-2	4292082	4279963	4318283	4296776	0.46	cps
Zinc	66-2	510549	508477	498659	505895	1.26	cps
Zirconium	90-1	309557	316807	317534	314633	1.40	cps
Zirconium	91-1	70031	71385	71415	70944	1.11	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD5K5SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:13:43	DataFile Name :	101AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8213287	8143411	8050252	8135650	1.01	cps
Antimony	121-1	6507300	6627516	6580975	6571930	0.92	cps
Arsenic	75-2	133301	132324	131369	132331	0.73	cps
Barium	135-1	41674665	42442495	42997308	42371489	1.57	cps
Barium	137-1	71784654	72715749	73869552	72789985	1.43	cps
Beryllium	9-1	849739	861008	864418	858388	0.89	cps
Bismuth	209-1	25663500	26507671	26481911	26217694	1.83	cps
Bismuth	209-2	10901008	11132499	11042654	11025387	1.06	cps
Bromine	81-1	30781	30614	32174	31189	2.75	cps
Cadmium	108-1	57666	59076	59595	58779	1.70	cps
Cadmium	106-1	105344	107562	108062	106989	1.35	cps
Cadmium	111-1	896878	907581	926731	910397	1.66	cps
Calcium	43-1	758631	771249	776307	768729	1.18	cps
Calcium	44-1	12647093	12815326	12816116	12759511	0.76	cps
Carbon	12-1	10813036	11119972	11222678	11051895	1.93	cps
Carbon	12-2	108526	108150	108016	108231	0.24	cps
Chlorine	35-1	182156351	187494364	189892211	186514308	2.12	cps
Chlorine	35-2	945355	937518	932150	938341	0.71	cps
Chromium	52-2	4406999	4362646	4300328	4356658	1.23	cps
Cobalt	59-2	16838787	16651997	16778611	16756465	0.57	cps
Copper	63-2	7606782	7465206	7517524	7529837	0.95	cps
Dysprosium	156-1	240652	246397	247906	244985	1.56	cps
Dysprosium	156-2	81433	82348	81003	81595	0.84	cps
Erbium	164-1	167587	170605	169987	169393	0.94	cps
Erbium	164-2	58481	58160	58789	58477	0.54	cps
Gadolinium	160-1	187046	190474	193165	190228	1.61	cps
Gadolinium	160-2	78305	77607	77339	77750	0.64	cps
Holmium	165-1	44271871	44147769	45035476	44485039	1.08	cps
Holmium	165-2	15951306	16146476	16278623	16125468	1.02	cps
Indium	115-1	31216918	32035230	32445569	31899239	1.96	cps
Indium	115-2	3998746	4013624	3925397	3979256	1.19	cps
Iron	54-2	48490906	48092579	48190168	48257884	0.43	cps
Iron	56-2	884742173	884113587	877358894	882071551	0.46	cps
Iron	57-2	22704817	22256963	22486169	22482650	1.00	cps
Krypton	83-1	807	733	700	747	7.31	cps
Lead	206-1	2836181	2835158	2839466	2836935	0.08	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD5K5SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:13:43	DataFile Name :	101AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2488586	2548161	2508465	2515071	1.21	cps
Lead	208-1	11205601	11472302	11404354	11360752	1.22	cps
Lithium	6-1	13030707	13129480	13539682	13233290	2.04	cps
Magnesium	24-2	12576122	12698915	12404786	12559941	1.18	cps
Manganese	55-2	31554562	32042947	31201411	31599640	1.34	cps
Molybdenum	94-1	130041	133470	131753	131755	1.30	cps
Molybdenum	95-1	32902	34266	34910	34026	3.01	cps
Molybdenum	96-1	63849	65895	65359	65034	1.63	cps
Molybdenum	97-1	19878	20612	21059	20516	2.91	cps
Molybdenum	98-1	52422	54112	54590	53708	2.12	cps
Neodymium	150-1	318823	329198	330409	326143	1.95	cps
Neodymium	150-2	86218	85604	85594	85805	0.42	cps
Nickel	60-2	4641206	4619856	4670549	4643870	0.55	cps
Phosphorus	31-2	12866	12756	12365	12662	2.08	cps
Potassium	39-2	3140714	3170540	3056336	3122530	1.90	cps
Rhodium	103-1	27813025	28524699	28731946	28356557	1.70	cps
Rhodium	103-2	11382984	11439588	11328568	11383713	0.49	cps
Scandium	45-1	20711289	21063140	21105721	20960050	1.03	cps
Scandium	45-2	543922	539405	537290	540205	0.63	cps
Selenium	82-1	11409	11922	12096	11809	3.03	cps
Selenium	77-2	587	640	553	593	7.37	cps
Selenium	78-2	1090	1133	1263	1162	7.76	cps
Silicon	28-1	61229714	62061107	62222214	61837679	0.86	cps
Silver	107-1	4848061	4914056	4939213	4900443	0.96	cps
Silver	109-1	4646795	4642607	4765626	4685009	1.49	cps
Sodium	23-2	130500	130507	128960	129989	0.69	cps
Strontium	86-1	699992	715555	717748	711099	1.36	cps
Strontium	88-1	6324114	6270229	6393268	6329204	0.97	cps
Sulfur	34-1	529156	531471	531722	530783	0.27	cps
Terbium	159-1	43442726	44581439	45417853	44480673	2.23	cps
Terbium	159-2	15860447	15949791	15680315	15830184	0.87	cps
Thallium	203-1	4211053	4211327	4227472	4216617	0.22	cps
Thallium	205-1	9913017	9874129	10067928	9951691	1.03	cps
Tin	118-1	61578	61896	63537	62337	1.69	cps
Titanium	47-1	3349375	3372995	3410910	3377760	0.92	cps
Uranium	238-1	98649	99344	100991	99661	1.21	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD5K5SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:13:43	DataFile Name :	101AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	8046133	7972523	7953368	7990675	0.61	cps
Ytterbium	172-1	53052	53524	54301	53626	1.18	cps
Ytterbium	172-2	22683	22215	22289	22396	1.12	cps
Ytterbium	176-1	42675	43237	44909	43607	2.66	cps
Ytterbium	176-2	68640	69006	69156	68934	0.39	cps
Yttrium	89-1	47884581	48368829	49318029	48523813	1.50	cps
Yttrium	89-2	4335945	4277416	4270075	4294479	0.84	cps
Zinc	66-2	1385861	1384390	1382004	1384085	0.14	cps
Zirconium	90-1	305017	309882	313201	309367	1.33	cps
Zirconium	91-1	68500	71663	72139	70767	2.79	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-04	Instrumnet Name :	P8
Client Sample ID :	MYD5N0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:16:41	DataFile Name :	102AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8755788	8870616	8919132	8848512	0.95	cps
Antimony	121-1	32712	33003	34387	33367	2.68	cps
Arsenic	75-2	97400	96564	97477	97147	0.52	cps
Barium	135-1	2786591	2794228	2793923	2791580	0.15	cps
Barium	137-1	4740215	4750180	4816648	4769014	0.87	cps
Beryllium	9-1	8879	8580	8712	8723	1.72	cps
Bismuth	209-1	26435825	26002795	26263755	26234125	0.83	cps
Bismuth	209-2	10845560	10722955	10696661	10755059	0.74	cps
Bromine	81-1	31409	31896	32488	31931	1.69	cps
Cadmium	108-1	753	820	737	770	5.73	cps
Cadmium	106-1	27190	26746	27360	27099	1.17	cps
Cadmium	111-1	22040	21525	22087	21884	1.42	cps
Calcium	43-1	777374	786233	794827	786145	1.11	cps
Calcium	44-1	12938510	13200917	13249279	13129569	1.27	cps
Carbon	12-1	6565034	6702933	6780894	6682954	1.64	cps
Carbon	12-2	65384	65351	65090	65275	0.25	cps
Chlorine	35-1	192061290	201706644	202217084	198661673	2.88	cps
Chlorine	35-2	992309	991287	986848	990148	0.29	cps
Chromium	52-2	1055489	1054802	1042515	1050935	0.69	cps
Cobalt	59-2	894910	893934	895316	894720	0.08	cps
Copper	63-2	1698610	1681390	1704817	1694939	0.72	cps
Dysprosium	156-1	220360	223877	226018	223418	1.28	cps
Dysprosium	156-2	76571	77288	77359	77073	0.57	cps
Erbium	164-1	191059	190101	194226	191795	1.13	cps
Erbium	164-2	66479	66676	66736	66630	0.20	cps
Gadolinium	160-1	191076	193431	194639	193049	0.94	cps
Gadolinium	160-2	78915	79833	79294	79347	0.58	cps
Holmium	165-1	44394284	44069753	44717464	44393834	0.73	cps
Holmium	165-2	15856306	15862069	15859076	15859150	0.02	cps
Indium	115-1	30860015	31881597	31984623	31575412	1.97	cps
Indium	115-2	3898673	3905429	3868969	3891023	0.50	cps
Iron	54-2	42903299	43185151	42511805	42866752	0.79	cps
Iron	56-2	782535135	780271988	781939028	781582051	0.15	cps
Iron	57-2	19917083	19769868	19798239	19828397	0.39	cps
Krypton	83-1	853	780	990	874	12.19	cps
Lead	206-1	714983	723727	724667	721126	0.74	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-04	Instrumnet Name :	P8
Client Sample ID :	MYD5N0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:16:41	DataFile Name :	102AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	631711	643812	648175	641233	1.33	cps
Lead	208-1	2878816	2905588	2922083	2902162	0.75	cps
Lithium	6-1	12622154	13242976	13064261	12976463	2.46	cps
Magnesium	24-2	17249948	17351432	17535819	17379066	0.83	cps
Manganese	55-2	19453501	19576496	19198778	19409592	0.99	cps
Molybdenum	94-1	86926	87006	88700	87544	1.14	cps
Molybdenum	95-1	26408	26338	25861	26203	1.14	cps
Molybdenum	96-1	48438	51251	49802	49830	2.82	cps
Molybdenum	97-1	15846	16236	16353	16145	1.65	cps
Molybdenum	98-1	40385	41030	40285	40567	1.00	cps
Neodymium	150-1	278741	279916	281878	280178	0.57	cps
Neodymium	150-2	74545	74348	73825	74239	0.50	cps
Nickel	60-2	366762	363226	366161	365383	0.52	cps
Phosphorus	31-2	11495	11605	11825	11641	1.44	cps
Potassium	39-2	2794109	2792899	2819411	2802139	0.53	cps
Rhodium	103-1	27767216	27860021	28060625	27895954	0.54	cps
Rhodium	103-2	11095833	10920578	11062736	11026382	0.84	cps
Scandium	45-1	21155628	21375623	21415060	21315437	0.66	cps
Scandium	45-2	545096	542451	543832	543793	0.24	cps
Selenium	82-1	3	33	-220	-61	-226.48	cps
Selenium	77-2	320	340	387	349	9.81	cps
Selenium	78-2	233	307	223	254	17.88	cps
Silicon	28-1	63757996	63940512	63962646	63887051	0.18	cps
Silver	107-1	9245	8978	9003	9075	1.63	cps
Silver	109-1	4617	4121	3867	4202	9.08	cps
Sodium	23-2	119253	119356	119890	119500	0.29	cps
Strontium	86-1	609109	619563	621742	616805	1.09	cps
Strontium	88-1	5454805	5487863	5431258	5457975	0.52	cps
Sulfur	34-1	490528	493200	491490	491739	0.28	cps
Terbium	159-1	44581498	44772028	45302356	44885294	0.83	cps
Terbium	159-2	15712524	15481351	15520694	15571523	0.79	cps
Thallium	203-1	7599	7719	7579	7632	0.99	cps
Thallium	205-1	18273	18410	17729	18137	1.99	cps
Tin	118-1	61770	62194	61981	61982	0.34	cps
Titanium	47-1	3015578	3058505	3101948	3058677	1.41	cps
Uranium	238-1	84015	83156	83874	83682	0.55	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-04	Instrumnet Name :	P8
Client Sample ID :	MYD5N0	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:16:41	DataFile Name :	102AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1808776	1861242	1838919	1836312	1.43	cps
Ytterbium	172-1	65869	66110	66479	66153	0.46	cps
Ytterbium	172-2	27198	27372	27492	27354	0.54	cps
Ytterbium	176-1	50988	50857	51915	51253	1.13	cps
Ytterbium	176-2	70979	71569	71921	71490	0.67	cps
Yttrium	89-1	47436418	48684451	47995488	48038785	1.30	cps
Yttrium	89-2	4217706	4165969	4194734	4192803	0.62	cps
Zinc	66-2	201582	200721	200247	200850	0.34	cps
Zirconium	90-1	197383	200527	202019	199976	1.18	cps
Zirconium	91-1	45437	45297	47456	46063	2.62	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-05	Instrumnet Name :	P8
Client Sample ID :	MYD5N1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:19:46	DataFile Name :	103AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8820849	8866581	8733003	8806811	0.77	cps
Antimony	121-1	25310	25457	26035	25601	1.50	cps
Arsenic	75-2	93642	93689	93148	93493	0.32	cps
Barium	135-1	3245627	3279903	3347846	3291125	1.58	cps
Barium	137-1	5563408	5611669	5621048	5598708	0.55	cps
Beryllium	9-1	8775	8638	8966	8793	1.87	cps
Bismuth	209-1	25713025	25894126	26563001	26056718	1.72	cps
Bismuth	209-2	10761609	10766833	10688480	10738974	0.41	cps
Bromine	81-1	29374	29494	29695	29521	0.55	cps
Cadmium	108-1	880	853	807	847	4.38	cps
Cadmium	106-1	26292	27354	28072	27239	3.29	cps
Cadmium	111-1	22516	23104	23797	23139	2.77	cps
Calcium	43-1	710118	720472	717631	716074	0.75	cps
Calcium	44-1	11844826	12076908	11956304	11959346	0.97	cps
Carbon	12-1	7402299	7557527	7616021	7525282	1.47	cps
Carbon	12-2	74353	74062	74289	74235	0.21	cps
Chlorine	35-1	212551857	218609950	220630757	217264188	1.94	cps
Chlorine	35-2	1086721	1071532	1082279	1080177	0.72	cps
Chromium	52-2	1137549	1135788	1134080	1135806	0.15	cps
Cobalt	59-2	956743	955549	959217	957170	0.20	cps
Copper	63-2	1652833	1674426	1635402	1654221	1.18	cps
Dysprosium	156-1	241130	246255	247813	245066	1.43	cps
Dysprosium	156-2	82442	84327	83582	83450	1.14	cps
Erbium	164-1	204409	203695	206212	204772	0.63	cps
Erbium	164-2	71326	70988	71776	71363	0.55	cps
Gadolinium	160-1	206544	211574	213373	210497	1.68	cps
Gadolinium	160-2	85770	85623	86562	85985	0.59	cps
Holmium	165-1	42759933	44285554	44517134	43854207	2.18	cps
Holmium	165-2	15933536	15913734	15790621	15879297	0.49	cps
Indium	115-1	30916867	30832471	31076994	30942111	0.40	cps
Indium	115-2	3924445	3903535	3815470	3881150	1.49	cps
Iron	54-2	42949847	42292140	43208906	42816964	1.10	cps
Iron	56-2	781469295	793098415	786946842	787171517	0.74	cps
Iron	57-2	20214681	19717262	20153095	20028346	1.35	cps
Krypton	83-1	843	837	910	863	4.70	cps
Lead	206-1	918763	942970	942110	934615	1.47	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-05	Instrumnet Name :	P8
Client Sample ID :	MYD5N1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:19:46	DataFile Name :	103AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	826374	837464	850141	837993	1.42	cps
Lead	208-1	3791892	3837244	3821937	3817024	0.60	cps
Lithium	6-1	12629843	12723056	12938308	12763735	1.24	cps
Magnesium	24-2	17564596	17602217	17371518	17512777	0.71	cps
Manganese	55-2	22917837	23204412	23080312	23067520	0.62	cps
Molybdenum	94-1	95233	96216	97532	96327	1.20	cps
Molybdenum	95-1	26175	26345	26679	26400	0.97	cps
Molybdenum	96-1	51040	51248	51776	51355	0.74	cps
Molybdenum	97-1	15696	15812	16210	15906	1.69	cps
Molybdenum	98-1	40860	41278	41726	41288	1.05	cps
Neodymium	150-1	302683	305835	309184	305901	1.06	cps
Neodymium	150-2	81743	80697	80660	81034	0.76	cps
Nickel	60-2	384164	383393	382919	383492	0.16	cps
Phosphorus	31-2	13943	14307	14300	14184	1.47	cps
Potassium	39-2	3398474	3368172	3406903	3391183	0.60	cps
Rhodium	103-1	27117220	27637604	28399153	27717992	2.33	cps
Rhodium	103-2	11214502	11092805	11084841	11130716	0.65	cps
Scandium	45-1	20805743	21218827	21525456	21183342	1.70	cps
Scandium	45-2	542963	542494	538957	541471	0.40	cps
Selenium	82-1	57	20	40	39	47.21	cps
Selenium	77-2	340	343	347	343	0.97	cps
Selenium	78-2	257	287	263	269	5.86	cps
Silicon	28-1	78973984	78935755	79642655	79184132	0.50	cps
Silver	107-1	9166	9209	9297	9224	0.73	cps
Silver	109-1	4244	4407	4477	4376	2.74	cps
Sodium	23-2	122253	122572	122160	122328	0.18	cps
Strontium	86-1	601773	613133	612078	608994	1.03	cps
Strontium	88-1	5339093	5305300	5390875	5345089	0.81	cps
Sulfur	34-1	491621	491371	489954	490982	0.18	cps
Terbium	159-1	43142869	44705358	44786108	44211445	2.10	cps
Terbium	159-2	15495512	15307716	15434069	15412432	0.62	cps
Thallium	203-1	7986	7819	7849	7885	1.13	cps
Thallium	205-1	18854	18620	18654	18709	0.68	cps
Tin	118-1	57564	58936	59739	58746	1.87	cps
Titanium	47-1	2954349	2997542	2947286	2966392	0.92	cps
Uranium	238-1	84243	84807	87521	85524	2.05	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	P2824-05	Instrumnet Name :	P8
Client Sample ID :	MYD5N1	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:19:46	DataFile Name :	103AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1747425	1727309	1739930	1738221	0.58	cps
Ytterbium	172-1	68161	68838	68295	68431	0.52	cps
Ytterbium	172-2	27876	28347	28481	28235	1.12	cps
Ytterbium	176-1	52052	52748	53069	52623	0.99	cps
Ytterbium	176-2	70346	71700	71529	71192	1.04	cps
Yttrium	89-1	47070081	48331576	49031766	48144474	2.06	cps
Yttrium	89-2	4203174	4216457	4203107	4207579	0.18	cps
Zinc	66-2	234352	233817	233377	233849	0.21	cps
Zirconium	90-1	221140	225422	225931	224164	1.17	cps
Zirconium	91-1	50755	51725	51746	51409	1.10	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV010	Instrumnet Name :	P8
Client Sample ID :	CCV010	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:26:39	DataFile Name :	105CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8744530	8951481	8987367	8894460	1.47	cps
Antimony	121-1	10893148	11225452	11145095	11087898	1.56	cps
Arsenic	75-2	244082	244859	245558	244833	0.30	cps
Barium	135-1	16768772	16928286	16993647	16896902	0.68	cps
Barium	137-1	28744766	29177588	28973924	28965426	0.75	cps
Beryllium	9-1	3509230	3575705	3621405	3568780	1.58	cps
Bismuth	209-1	23136030	22894537	21936969	22655845	2.80	cps
Bismuth	209-2	9034320	9503983	9432332	9323545	2.71	cps
Bromine	81-1	20869	20772	20455	20699	1.05	cps
Cadmium	108-1	268952	272521	274173	271882	0.98	cps
Cadmium	106-1	404428	406225	411171	407275	0.86	cps
Cadmium	111-1	3199408	3224839	3230702	3218316	0.52	cps
Calcium	43-1	21969801	22344166	22375888	22229951	1.02	cps
Calcium	44-1	360265008	365190261	365011061	363488777	0.77	cps
Carbon	12-1	4237496	4313276	4422020	4324264	2.14	cps
Carbon	12-2	50319	50105	51620	50681	1.62	cps
Chlorine	35-1	3813700	3763843	3696559	3758034	1.56	cps
Chlorine	35-2	18175	17818	17881	17958	1.06	cps
Chromium	52-2	3161246	3192032	3205568	3186282	0.71	cps
Cobalt	59-2	5725034	5746706	5629277	5700339	1.10	cps
Copper	63-2	42816603	43153381	42115867	42695284	1.24	cps
Dysprosium	156-1	1613	1580	1580	1591	1.21	cps
Dysprosium	156-2	463	487	467	472	2.67	cps
Erbium	164-1	827	823	853	834	1.97	cps
Erbium	164-2	273	277	257	269	3.99	cps
Gadolinium	160-1	947	980	997	974	2.61	cps
Gadolinium	160-2	850	853	783	829	4.76	cps
Holmium	165-1	42232759	41706789	40593177	41510909	2.02	cps
Holmium	165-2	14526757	15219128	15173743	14973209	2.59	cps
Indium	115-1	29197874	29059225	28387322	28881474	1.50	cps
Indium	115-2	3731542	3858975	3812752	3801090	1.70	cps
Iron	54-2	34182399	34057664	34852099	34364054	1.24	cps
Iron	56-2	627607364	629854431	621409297	626290364	0.70	cps
Iron	57-2	15832534	16078411	16050346	15987097	0.84	cps
Krypton	83-1	407	450	447	434	5.55	cps
Lead	206-1	55183459	55901356	54726578	55270464	1.07	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV010	Instrumnet Name :	P8
Client Sample ID :	CCV010	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:26:39	DataFile Name :	105CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	45792574	48137368	47176948	47035630	2.51	cps
Lead	208-1	215130848	221343655	216879940	217784815	1.47	cps
Lithium	6-1	13259878	13244530	13122824	13209077	0.57	cps
Magnesium	24-2	115199265	116855788	117329265	116461439	0.96	cps
Manganese	55-2	16764711	16609725	16907469	16760635	0.89	cps
Molybdenum	94-1	47661374	48820331	48803266	48428324	1.37	cps
Molybdenum	95-1	70806631	71609549	71061846	71159342	0.58	cps
Molybdenum	96-1	77804276	78195481	78238644	78079467	0.31	cps
Molybdenum	97-1	43265208	43851733	43891479	43669473	0.80	cps
Molybdenum	98-1	113335735	114749998	113972625	114019453	0.62	cps
Neodymium	150-1	3137	2970	3087	3065	2.79	cps
Neodymium	150-2	173	210	210	198	10.70	cps
Nickel	60-2	1418914	1426948	1416265	1420709	0.39	cps
Phosphorus	31-2	71578	72597	72741	72305	0.88	cps
Potassium	39-2	44728481	44274063	44570181	44524242	0.52	cps
Rhodium	103-1	25424623	25192544	24652454	25089874	1.58	cps
Rhodium	103-2	9671105	10065338	9930322	9888922	2.03	cps
Scandium	45-1	19821335	19708931	19299454	19609906	1.40	cps
Scandium	45-2	515199	530368	529235	524934	1.61	cps
Selenium	82-1	185065	186340	190129	187178	1.41	cps
Selenium	77-2	4904	4864	4761	4843	1.53	cps
Selenium	78-2	16613	17104	16563	16760	1.78	cps
Silicon	28-1	34112244	34293096	34359732	34255024	0.37	cps
Silver	107-1	17570301	17791508	17982099	17781303	1.16	cps
Silver	109-1	16322087	16357467	16211632	16297062	0.47	cps
Sodium	23-2	245149096	242248143	244598676	243998639	0.63	cps
Strontium	86-1	111156938	112987388	114515605	112886644	1.49	cps
Strontium	88-1	960906092	979237372	980731239	973624901	1.13	cps
Sulfur	34-1	1705947	1710353	1726011	1714104	0.62	cps
Terbium	159-1	43068344	41958692	40609039	41878692	2.94	cps
Terbium	159-2	14453701	14758671	14816118	14676163	1.33	cps
Thallium	203-1	13787289	13732403	13421955	13647216	1.44	cps
Thallium	205-1	32581927	32745766	32334471	32554055	0.64	cps
Tin	118-1	10798040	11005806	11142938	10982261	1.58	cps
Titanium	47-1	20270051	20453945	20544127	20422707	0.68	cps
Uranium	238-1	48340018	49149908	48369614	48619846	0.94	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCV010	Instrumnet Name :	P8
Client Sample ID :	CCV010	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:26:39	DataFile Name :	105CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2513389	2497869	2550098	2520452	1.06	cps
Ytterbium	172-1	887	960	1080	976	10.00	cps
Ytterbium	172-2	410	440	340	397	12.94	cps
Ytterbium	176-1	75377	76171	75863	75804	0.53	cps
Ytterbium	176-2	73986	78508	78052	76849	3.24	cps
Yttrium	89-1	45682804	44919021	44307669	44969832	1.53	cps
Yttrium	89-2	3992381	4177072	4176040	4115164	2.58	cps
Zinc	66-2	4210393	4275851	4182985	4223076	1.13	cps
Zirconium	90-1	23139109	23687492	23844765	23557122	1.57	cps
Zirconium	91-1	5264598	5300338	5305170	5290035	0.42	cps

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Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB010	Instrumnet Name :	P8
Client Sample ID :	CCB010	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:29:35	DataFile Name :	106CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	300	293	337	310	7.53	cps
Antimony	121-1	4864	5434	8149	6149	28.54	cps
Arsenic	75-2	23	40	23	29	33.32	cps
Barium	135-1	1353	1510	1127	1330	14.49	cps
Barium	137-1	2454	1970	1750	2058	17.49	cps
Beryllium	9-1	1062	955	911	976	7.92	cps
Bismuth	209-1	29408482	25571933	28346975	27775797	7.13	cps
Bismuth	209-2	12710553	11855848	12527139	12364513	3.64	cps
Bromine	81-1	22478	21841	21423	21914	2.42	cps
Cadmium	108-1	127	80	100	102	22.91	cps
Cadmium	106-1	27183	24302	26319	25935	5.70	cps
Cadmium	111-1	19186	17245	18560	18330	5.40	cps
Calcium	43-1	1100	1070	1020	1063	3.80	cps
Calcium	44-1	18660	18125	17168	17984	4.20	cps
Carbon	12-1	3469023	3361089	3315505	3381872	2.33	cps
Carbon	12-2	32011	31751	31637	31800	0.60	cps
Chlorine	35-1	2800200	2685899	2615763	2700621	3.45	cps
Chlorine	35-2	12782	12125	11575	12161	4.97	cps
Chromium	52-2	943	943	1030	972	5.15	cps
Cobalt	59-2	583	597	673	618	7.86	cps
Copper	63-2	10414	10184	10060	10219	1.76	cps
Dysprosium	156-1	600	740	637	659	11.02	cps
Dysprosium	156-2	40	40	33	38	10.19	cps
Erbium	164-1	403	303	267	324	21.80	cps
Erbium	164-2	153	93	120	122	24.60	cps
Gadolinium	160-1	457	440	450	449	1.87	cps
Gadolinium	160-2	663	707	693	688	3.23	cps
Holmium	165-1	46950784	41699205	44357986	44335992	5.92	cps
Holmium	165-2	17746302	16281800	16972028	17000043	4.31	cps
Indium	115-1	35436830	31080751	33466526	33328036	6.55	cps
Indium	115-2	4600629	4307137	4375612	4427793	3.47	cps
Iron	54-2	2097	2190	1990	2092	4.78	cps
Iron	56-2	31305	27374	31906	30195	8.15	cps
Iron	57-2	767	857	747	790	7.42	cps
Krypton	83-1	300	317	413	343	17.82	cps
Lead	206-1	5411	4681	4641	4911	8.83	cps

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LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB010	Instrumnet Name :	P8
Client Sample ID :	CCB010	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:29:35	DataFile Name :	106CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	5031	4568	3727	4442	14.88	cps
Lead	208-1	21491	19560	17565	19539	10.05	cps
Lithium	6-1	14924692	13153300	14037911	14038634	6.31	cps
Magnesium	24-2	2164	2077	1830	2024	8.55	cps
Manganese	55-2	2734	2747	2747	2743	0.28	cps
Molybdenum	94-1	4381	4304	4144	4276	2.82	cps
Molybdenum	95-1	3594	3100	3584	3426	8.23	cps
Molybdenum	96-1	4661	4298	4214	4391	5.41	cps
Molybdenum	97-1	2164	2070	2364	2199	6.82	cps
Molybdenum	98-1	5909	5698	5188	5598	6.62	cps
Neodymium	150-1	127	173	173	158	17.08	cps
Neodymium	150-2	10	10	7	9	21.63	cps
Nickel	60-2	440	340	323	368	17.16	cps
Phosphorus	31-2	140	157	113	137	15.99	cps
Potassium	39-2	15492	14527	15025	15015	3.21	cps
Rhodium	103-1	32440184	28202283	30840406	30494291	7.02	cps
Rhodium	103-2	12996865	12039899	12504617	12513794	3.82	cps
Scandium	45-1	22137286	19236185	20595573	20656348	7.03	cps
Scandium	45-2	570768	524094	554685	549849	4.31	cps
Selenium	82-1	-77	-67	-160	-101	-50.68	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	7	27	17	17	59.99	cps
Silicon	28-1	559323	551668	544291	551760	1.36	cps
Silver	107-1	1786	1516	1406	1569	12.46	cps
Silver	109-1	1443	1193	1043	1227	16.47	cps
Sodium	23-2	37301	35981	35550	36277	2.51	cps
Strontium	86-1	3377	2600	2240	2739	21.21	cps
Strontium	88-1	32373	28451	15743	25523	34.06	cps
Sulfur	34-1	522288	522338	516092	520239	0.69	cps
Terbium	159-1	47843079	42396355	44484926	44908120	6.12	cps
Terbium	159-2	17340879	16077586	16508252	16642239	3.86	cps
Thallium	203-1	3324	2930	2510	2921	13.93	cps
Thallium	205-1	7586	6648	6265	6833	9.94	cps
Tin	118-1	3487	3347	3347	3394	2.38	cps
Titanium	47-1	1143	687	710	847	30.38	cps
Uranium	238-1	1580	1293	927	1267	25.86	cps

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On:10/12/2024
12:41:01 AM
Inst Id :P8

LB Number :	LB132794	Operator :	Jaswal
Lab Sample ID :	CCB010	Instrumnet Name :	P8
Client Sample ID :	CCB010	Dilution Factor :	1
Date & Time Acquired :	2024-10-04 19:29:35	DataFile Name :	106CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	57	40	43	47	18.90	cps
Ytterbium	172-1	300	270	277	282	5.58	cps
Ytterbium	172-2	160	130	90	127	27.73	cps
Ytterbium	176-1	10194	9247	9710	9717	4.87	cps
Ytterbium	176-2	59982	57066	58613	58554	2.49	cps
Yttrium	89-1	50634473	44740794	47885436	47753568	6.18	cps
Yttrium	89-2	4567080	4227760	4470032	4421624	3.95	cps
Zinc	66-2	1937	1760	1873	1857	4.82	cps
Zirconium	90-1	7045	6645	6575	6755	3.76	cps
Zirconium	91-1	1577	1270	1260	1369	13.15	cps

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Prep Standard - Chemical Standard Summary

Order ID : P2826

Test : Metals CLP MS FULL

Prepbatch ID : PB163799,

Sequence ID/Qc Batch ID: LB132794,

Standard ID :
MP81119,MP82127,MP82568,MP82569,MP82570,MP82571,MP82572,MP82573,MP82574,MP82575,MP82576,MP82577,MP82578,MP82579,MP82580,MP82581,MP82583,MP82585,MP82586,MP82587,

Chemical ID :
M5192,M5288,M5289,M5295,M5304,M5390,M5473,M5476,M5498,M5513,M5515,M5519,M5565,M5634,M5657,M5658,M5697,M5698,M5739,M5768,M5769,M5798,M5799,M5800,M5801,M5802,M5806,M5815,M5816,M5817,M5818,M5819,M5820,M5873,M5874,M5935,M5961,M5962,M5976,M5978,M5981,M5982,M5983,M6021,M6023,M6025,M6028,M6030,M6033,M6037,M6040,M6055,W2606,W3112,

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
169	1:1HNO3	MP81119	06/21/2024	10/24/2024	Al-Terek Isaac	METALS_SCALE_2 (M SC-2)	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 06/21/2024

FROM 1250.00000ml of M5935 + 1250.00000ml of W2606 = Final Quantity: 2500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
170	1:1HCL	MP82127	09/03/2024	02/08/2025	Janvi Patel	None	None	Sarabjit Jaswal 09/03/2024

FROM 1250.00000ml of M6040 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1122	ICPMS CALIB BLANK(S0/ICB/CCB)	MP82568	09/28/2024	10/22/2024	Sarabjit Jaswal	None	None	Mohan Bera 09/30/2024

FROM 25.00000ml of M6040 + 4925.00000ml of W3112 + 50.00000ml of M6037 = Final Quantity: 5000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2902	S8 ICPMS	MP82569	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 1.00000ml of M6033 + 2.50000ml of M5288 + 2.50000ml of M5515 + 5.00000ml of M5498 + 5.00000ml of M5768 + 5.00000ml of M5806 + 79.00000ml of MP82568 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3947	S7(SFAM,6020,200.8)	MP82570	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 1.00000ml of M5818 + 1.00000ml of M5981 + 1.00000ml of M5983 + 1.90000ml of M6033 + 10.00000ml of M5976 + 10.00000ml of M5978 + 10.00000ml of M6037 + 2.00000ml of M5815 + 2.00000ml of M5817 + 2.50000ml of M5476 + 4.00000ml of M5390 + 4.00000ml of M6025 + 4.90000ml of M5515 + 4.90000ml of M5519 + 5.00000ml of M6040 + 50.00000ml of M5304 + 829.10000ml of W3112 + 9.00000ml of M5697 + 9.00000ml of M5698 + 9.00000ml of M5819 + 9.90000ml of M5498 + 9.90000ml of M5768 + 9.90000ml of M5806 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3948	S6(SFAM,6020,200.8)	MP82571	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.50000ml of M6040 + 1.00000ml of M6037 + 48.50000ml of W3112 + 50.00000ml of MP82570 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3949	S5(SFAM,6020,200.8)	MP82572	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.50000ml of M6040 + 1.00000ml of M6037 + 73.50000ml of W3112 + 25.00000ml of MP82570 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3954	S4(SFAM,6020,200.8)	MP82573	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.50000ml of M6040 + 1.00000ml of M6037 + 86.00000ml of W3112 + 12.50000ml of MP82570 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3951	S3(SFAM, 6020,200.8)	MP82574	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.50000ml of M6040 + 1.00000ml of M6037 + 88.50000ml of W3112 + 10.00000ml of MP82571 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3955	S2CONC(SFAM,6020,200.8)	MP82575	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.05000ml of M5698 + 0.05000ml of M5798 + 0.05000ml of M5800 + 0.05000ml of M5801 + 0.05000ml of M5961 + 0.05000ml of M5981 + 0.05000ml of M5982 + 0.05000ml of M5983 + 0.05000ml of M6023 + 0.05000ml of M6025 + 0.05000ml of M6028 + 0.05000ml of M6030 + 0.10000ml of M5658 + 0.10000ml of M5697 + 0.10000ml of M5802 + 0.10000ml of M6033 + 0.25000ml of M5515 + 0.25000ml of M5799 + 0.25000ml of M5819 + 0.25000ml of M5962 + 0.25000ml of M5976 + 0.25000ml of M5978 + 0.25000ml of M6021 + 0.50000ml of M5390 + 0.50000ml of M5818 + 1.25000ml of M5815 + 1.25000ml of M5817 + 2.50000ml of M5498 + 2.50000ml of M5519 + 2.50000ml of M5769 + 2.50000ml of M5806 + 2.50000ml of M6040 + 226.25000ml of W3112 + 5.00000ml of M6037 = Final Quantity: 250.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3956	S2(SFAM,6020,200.8)	MP82576	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_2 (ICP B)	Mohan Bera 09/30/2024

FROM 0.50000ml of M6040 + 1.00000ml of M6037 + 98.00000ml of W3112 + 0.50000ml of MP82575 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3957	S1(SFAM,6020,200.8)	MP82577	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.50000ml of M6040 + 1.00000ml of M6037 + 88.50000ml of W3112 + 10.00000ml of MP82576 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3958	ICV(SFAM)	MP82578	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 2.00000ml of M5295 + 98.00000ml of MP82568 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3961	CCV	MP82579	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.20000ml of M5513 + 0.50000ml of M5799 + 0.50000ml of M5818 + 0.50000ml of M5981 + 0.50000ml of M5983 + 1.00000ml of M5815 + 1.00000ml of M5817 + 1.25000ml of M5473 + 10.00000ml of M6037 + 12.45000ml of M5515 + 12.45000ml of M5519 + 2.00000ml of M5390 + 24.95000ml of M5498 + 24.95000ml of M5769 + 24.95000ml of M5806 + 25.00000ml of M5304 + 4.50000ml of M5697 + 4.50000ml of M5698 + 4.50000ml of M5819 + 4.95000ml of M6033 + 5.00000ml of M5976 + 5.00000ml of M5978 + 5.00000ml of M6040 + 824.35000ml of W3112 = Final Quantity: 1000.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1142	ICSA ICPMS	MP82580	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 10.00000ml of M5873 + 90.00000ml of MP82568 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1143	ICSAB ICPMS	MP82581	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 10.00000ml of M5873 + 10.00000ml of M5874 + 80.00000ml of MP82568 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3964	CONC.LCSS SPIKE	MP82583	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.25000ml of M5698 + 0.25000ml of M5798 + 0.25000ml of M5800 + 0.25000ml of M5801 + 0.25000ml of M5961 + 0.25000ml of M5981 + 0.25000ml of M5982 + 0.25000ml of M5983 + 0.25000ml of M6023 + 0.25000ml of M6025 + 0.25000ml of M6028 + 0.25000ml of M6030 + 0.50000ml of M5289 + 0.50000ml of M5658 + 0.50000ml of M5697 + 0.50000ml of M5802 + 1.25000ml of M5192 + 1.25000ml of M5799 + 1.25000ml of M5819 + 1.25000ml of M5962 + 1.25000ml of M6021 + 12.50000ml of M5498 + 12.50000ml of M5519 + 12.50000ml of M5769 + 12.50000ml of M5806 + 158.75000ml of W3112 + 2.50000ml of M5390 + 2.50000ml of M5818 + 2.50000ml of M6040 + 5.00000ml of M5515 + 5.00000ml of M6037 + 6.25000ml of M5816 + 6.25000ml of M5820 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3962	MG 10PPM FOR TUNE	MP82585	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.01000ml of M5768 + 9.99000ml of MP82568 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3894	TUNE 200PPB	MP82586	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 2.00000ml of M6055 + 2.00000ml of MP82585 + 96.00000ml of MP82568 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3903	ISS 3PPM	MP82587	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 5.00000ml of M6037 + 75.00000ml of M5739 + 170.00000ml of MP82568 = Final Quantity: 250.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57042 / Mo, 1000 PPM, 125 ml	051722	05/17/2025	07/01/2022 / bin	06/17/2022 / jaswal	M5192

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58119 / K, 10000 PPM, 500 ml	071122	07/11/2025	09/01/2022 / jaswal	07/21/2022 / jaswal	M5288

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Aluminum (Al) 10,000PPM	070622	07/06/2025	09/02/2022 / jaswal	07/12/2022 / jaswal	M5289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	ICV-1 / ICV (ICP/ICPMS) STOCK SOLN	ICV-1014	02/05/2025	08/07/2024 / jaswal	02/20/2020 / bin	M5295

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	6020CAL-1 / Calibration Standard Method 6020	S2-MEB711244	10/20/2026	08/07/2024 / jaswal	04/01/2022 / jaswal	M5304

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57056 / Ba, 1000 PPM, 125 ml	072122	07/21/2025	08/07/2024 / jaswal	09/18/2022 / bin	M5390

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57138 / Sr, 10000 PPM, 125 ml	082922	08/29/2025	03/16/2023 / jaswal	03/16/2023 / jaswal	M5473

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57138 / Sr, 10000 PPM, 125 ml	082922	08/09/2025	07/29/2024 / jaswal	03/16/2023 / jaswal	M5476

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58120 / Ca, 10000 PPM, 500 ml	031523	03/15/2026	08/15/2023 / jaswal	03/17/2023 / bin	M5498

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57182 / Pb, 10000 PPM, 125 ml	061522	06/15/2025	03/19/2023 / bin	03/17/2023 / bin	M5513

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58126 / Fe, 10000 PPM, 500 ml	092122	09/21/2025	08/01/2024 / Jaswal	03/17/2023 / bin	M5515

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57119 / Potassium (K) 10,000PPM	120822	12/08/2025	01/08/2024 / bin	03/17/2023 / bin	M5519

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-SPK-1 / SOIL/WATER SPIKE SOLN 1, 125mL	T2-MEB721963	07/27/2027	05/30/2023 / jaswal	05/26/2023 / jaswal	M5565

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	1403 / Hydrogen Peroxide, 30% 1 gal	820803	02/03/2025	04/18/2024 / jaswal	08/03/2022 / Al-Terek	M5634

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-SPK-4 / SOIL/WATER SPIKE SOLN 4, 125mL	T2-MEB721144	07/07/2027	08/23/2023 / jaswal	08/29/2023 / jaswal	M5657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58024 / Chromium, Cr, 500 ml, 1000 PPM	060523	06/05/2026	08/28/2023 / jaswal	08/25/2023 / jaswal	M5658

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58029 / Cu, 1000 PPM, 500 ml	102523	10/25/2026	04/03/2024 / jaswal	10/27/2023 / jaswal	M5697

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58025 / Mn, 1000 PPM, 500 ml	102623	10/26/2026	04/18/2024 / jaswal	10/27/2023 / jaswal	M5698

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	6020ISS / 6020ISS, 10 ug/ml, Bi, Ho, In, 6Li, Rh, Sc, TB, Y	T2-MEB709511	09/03/2026	08/07/2024 / jaswal	04/11/2022 / jaswal	M5739

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58112 / Mg, 10000 PPM, 500 ml	091823	09/18/2026	01/08/2024 / bin	01/03/2024 / bin	M5768

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58112 / Mg, 10000 PPM, 500 ml	091823	09/18/2026	05/24/2024 / Jaswal	01/03/2024 / bin	M5769

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57004 / Be, 1000 PPM, 125 ml	102523	10/25/2026	02/09/2024 / bin	02/09/2024 / bin	M5798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57050 / Sn, 1000 PPM, 125 ml	071123	07/11/2026	02/09/2024 / bin	02/09/2024 / bin	M5799

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57027 / CO, 1000 PPM, 125 ml	091923	09/19/2026	05/31/2024 / bin	02/09/2024 / bin	M5800

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57033 / As, 1000 PPM, 125 ml	111323	11/13/2026	02/09/2024 / bin	02/09/2024 / bin	M5801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57051 / Sb, 1000 PPM, 125 ml	120523	12/05/2026	08/07/2024 / jaswal	01/03/2024 / jaswal	M5802

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58111 / Na, 10000 PPM, 500 ml	122223	12/22/2026	08/01/2024 / Jaswal	01/03/2024 / jaswal	M5806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57115 / P, 10000 PPM, 125 ml	041723	04/17/2026	05/21/2024 / Jaswal	02/09/2024 / jaswal	M5815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57016 / S, 1000 PPM, 125 ml	122923	12/29/2026	05/20/2024 / Jaswal	02/09/2024 / jaswal	M5816

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57116 / S, 10000 PPM, 125 ml	071123	07/11/2026	03/01/2024 / jaswal	02/09/2024 / jaswal	M5817

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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.	57014 / Si, 1000 PPM, 125 ml	122023	12/20/2026	03/06/2024 / jaswal	02/09/2024 / jaswal	M5818

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58030 / Zinc, Zn, 500 ml, 1000 PPM	111623	11/16/2026	03/20/2024 / jaswal	02/09/2024 / jaswal	M5819

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57015 / P, 1000 PPM, 125 ml	091123	09/11/2026	05/01/2024 / jaswal	02/09/2024 / jaswal	M5820

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART A / ICSA (ICPMS) STOCK SOLN	CP-MS ICSA-0803	04/30/2025	04/17/2024 / jaswal	07/14/2022 / jaswal	M5873

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART B / ICSB (ICPMS) STOCK SOLUTION	CP-MS ICSB-0803	04/30/2025	04/17/2024 / jaswal	07/14/2022 / jaswal	M5874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	12/08/2024	06/21/2024 / Al-Terek	06/07/2024 / Al-Terek	M5935

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57028 / Ni, 1000 PPM, 125 ml	041124	04/11/2027	07/02/2024 / Jaswal	06/11/2024 / Jaswal	M5961

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57034 / Se, 1000 PPM, 125 ml	060624	06/06/2027	07/02/2024 / Jaswal	06/14/2024 / Jaswal	M5962

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMO1-1 / MOLYBDENUM 125mL 1000ug/mL	T2-MO720876	07/17/2027	08/07/2024 / jaswal	02/22/2024 / Jaswal	M5976

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGTI1-1 / TITANIUM 125mL 1000ug/mL	T2-TI719972	06/17/2027	08/07/2024 / jaswal	02/22/2024 / Jaswal	M5978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57092 / U, 1000 PPM, 125 ml	060724	06/07/2027	07/29/2024 / Jaswal	06/11/2024 / Jaswal	M5981

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57038 / Sr, 1000 PPM, 125 ml	031524	03/15/2027	07/01/2024 / Jaswal	06/11/2024 / Jaswal	M5982

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57040 / Zr, 1000 PPM, 125 ml	071423	07/14/2026	07/29/2024 / Jaswal	06/11/2024 / Jaswal	M5983

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57023 / V, 1000 PPM, 125 ml	062424	06/24/2027	09/28/2024 / jaswal	08/05/2024 / Jaswal	M6021

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57081 / Tl, 1000 PPM, 125 ml	0624724	06/27/2027	08/05/2024 / kareem	08/05/2024 / Jaswal	M6023

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57082 / Pb, 1000 PPM, 125 ml	061224	06/12/2027	08/05/2024 / Jaswal	08/05/2024 / Jaswal	M6025

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57048 / Cd, 1000 PPM, 125 ml	070124	07/01/2027	08/05/2024 / kareem	01/25/2019 / Jaswal	M6028

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57047 / Ag, 1000 PPM, 125 ml	122823	12/28/2026	08/05/2024 / kareem	08/05/2024 / Jaswal	M6030

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Al, 10000 PPM, 500 ml	011623	01/16/2026	08/07/2024 / Jaswal	01/03/2024 / Jaswal	M6033

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	02/02/2025	08/24/2024 / Janvi	08/01/2024 / Janvi	M6037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	24D1562005	02/08/2025	08/09/2024 / Janvi	08/01/2024 / Janvi	M6040

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	IV-STOCK-12 / ICP-MS TUNING SOLUTION, 125mL	U2-MEB734294	06/21/2028	08/21/2024 / Jaswal	08/19/2024 / Jaswal	M6055

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	10/24/2024	10/24/2019 / apatel	10/24/2019 / apatel	W2606

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

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M6028

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719

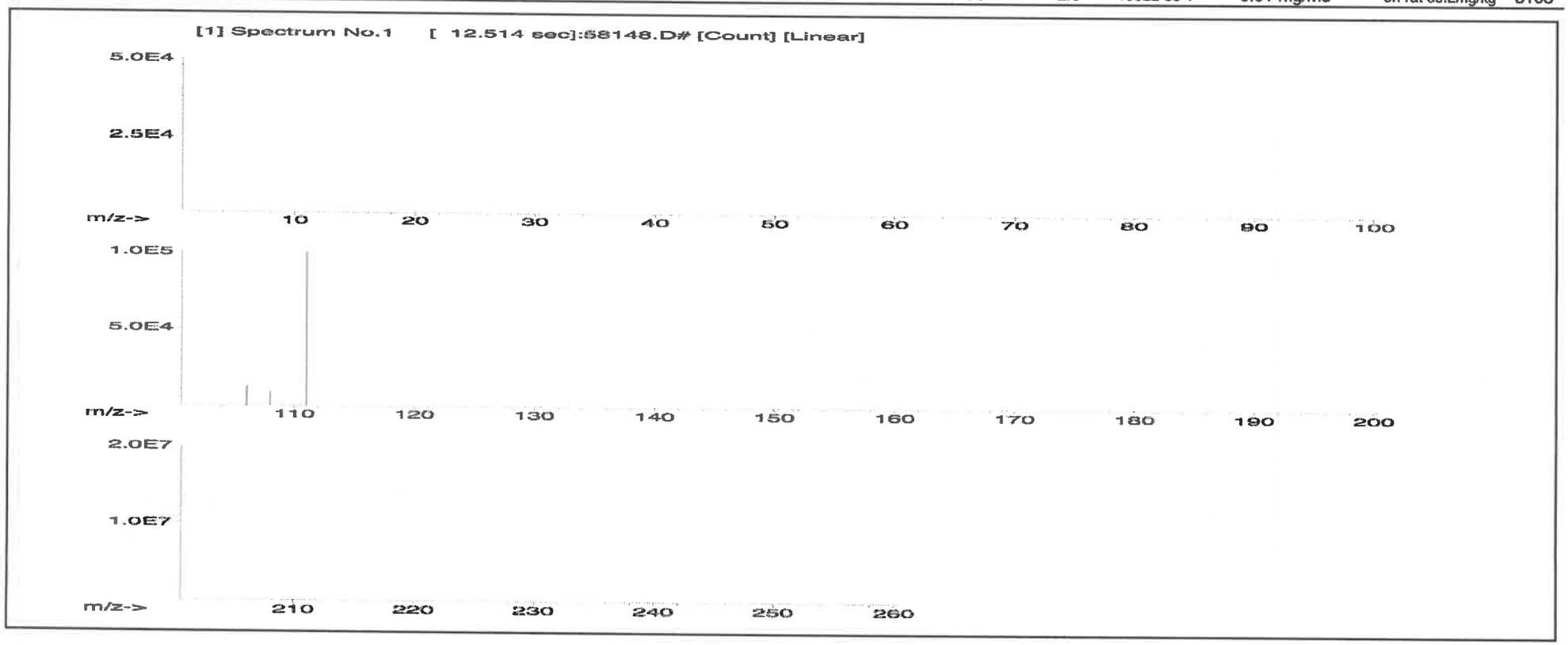
CERTIFIED WEIGHT REPORT:

Part Number:	**57048**		**Lot #**		
Lot Number:	**070124**	**Solvent:**	24002546	Nitric Acid	
Description:	**Cadmium (Cd)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	070127				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

Aleah O'Brady

Formulated By:	Aleah O'Brady	070124
Reviewed By:	Pedro L. Rentas	070124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cadmium nitrate tetrahydrate (Cd)	IN024	CDM092021A1	1000	99.999	0.10	36.5	5.4797	5.4804	**1000.1**	**2.0**	10022-68-1	0.01 mg/m3	orl-rat 60.2mg/kg	3108



720

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	T	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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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

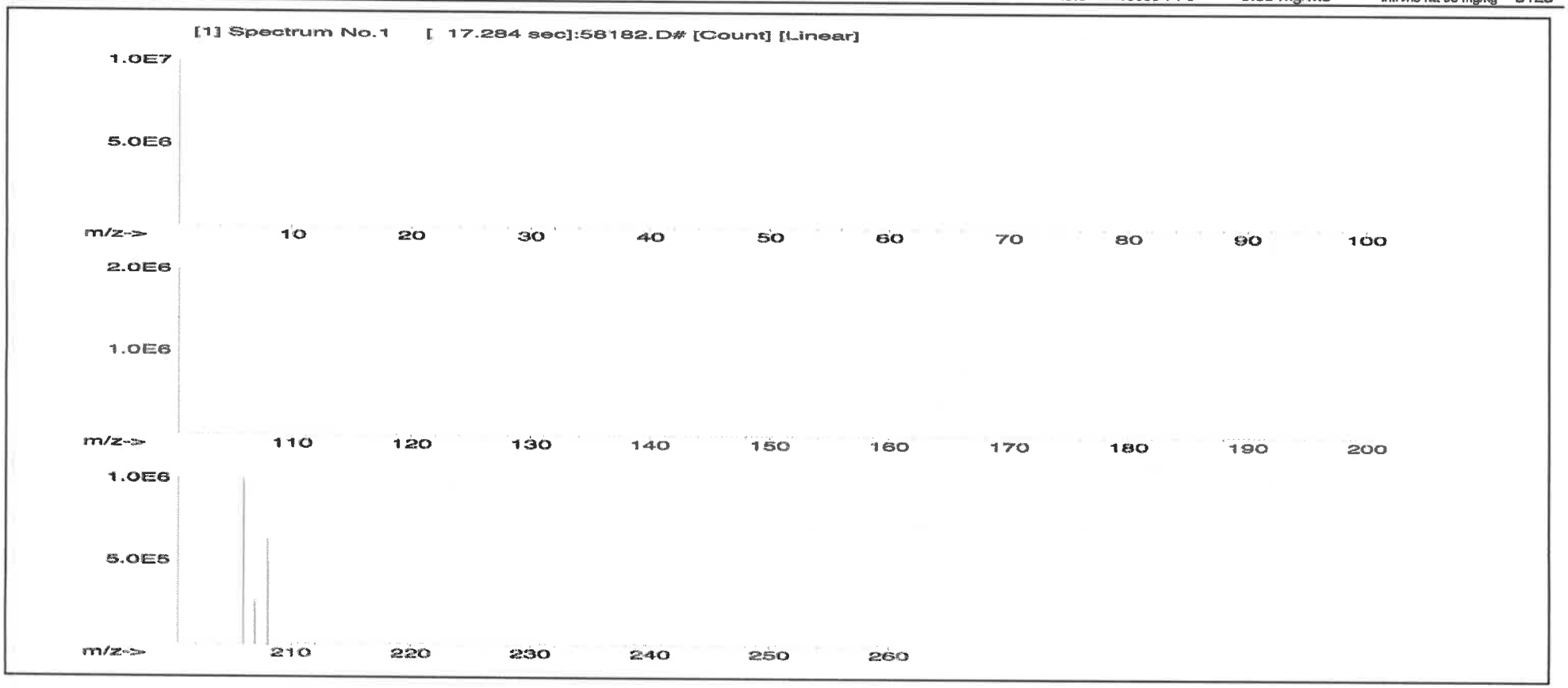
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

		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



722

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).
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M5192 R: 06/17/22

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723

CERTIFIED WEIGHT REPORT:

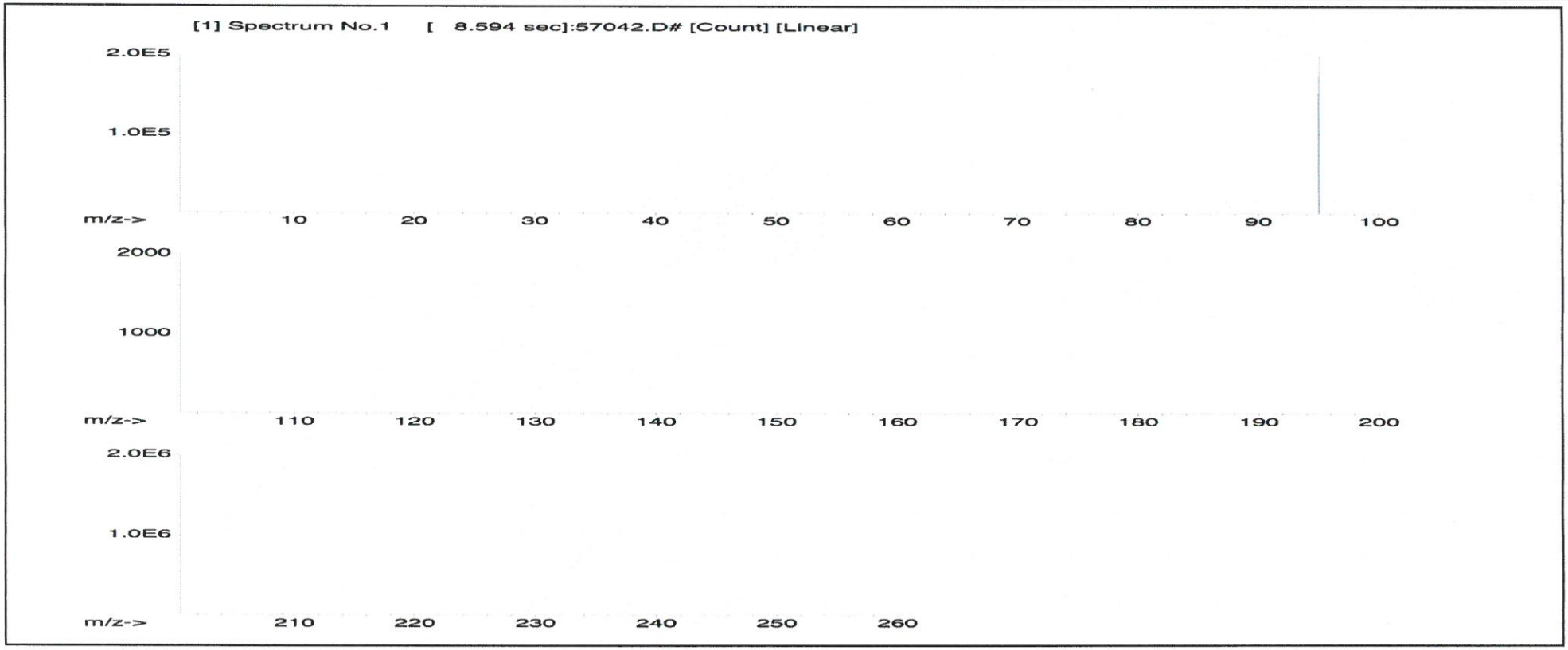
Part Number: 57042
Lot Number: 051722
Description: Molybdenum (Mo)

	Lot #	Solvent:		
	MKBQ8597V	Ammonium hydroxide		
	0.5%	15.0 (mL)	Ammonium hydroxide	

Expiration Date: 051725
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	051722
Reviewed By:	Pedro L. Rentas	051722

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium molybdate (Mo)	58142	022222	0.1000	300.0	0.084	1000	10001.0	**1000.0**	**2.1**	13106-76-8	5 mg(Mo)/m3	orl-rat 333 mg/kg	3134



724

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	T	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

V15200 R: 04/24/22 (BP)

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CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 071122
Description: Potassium (K)

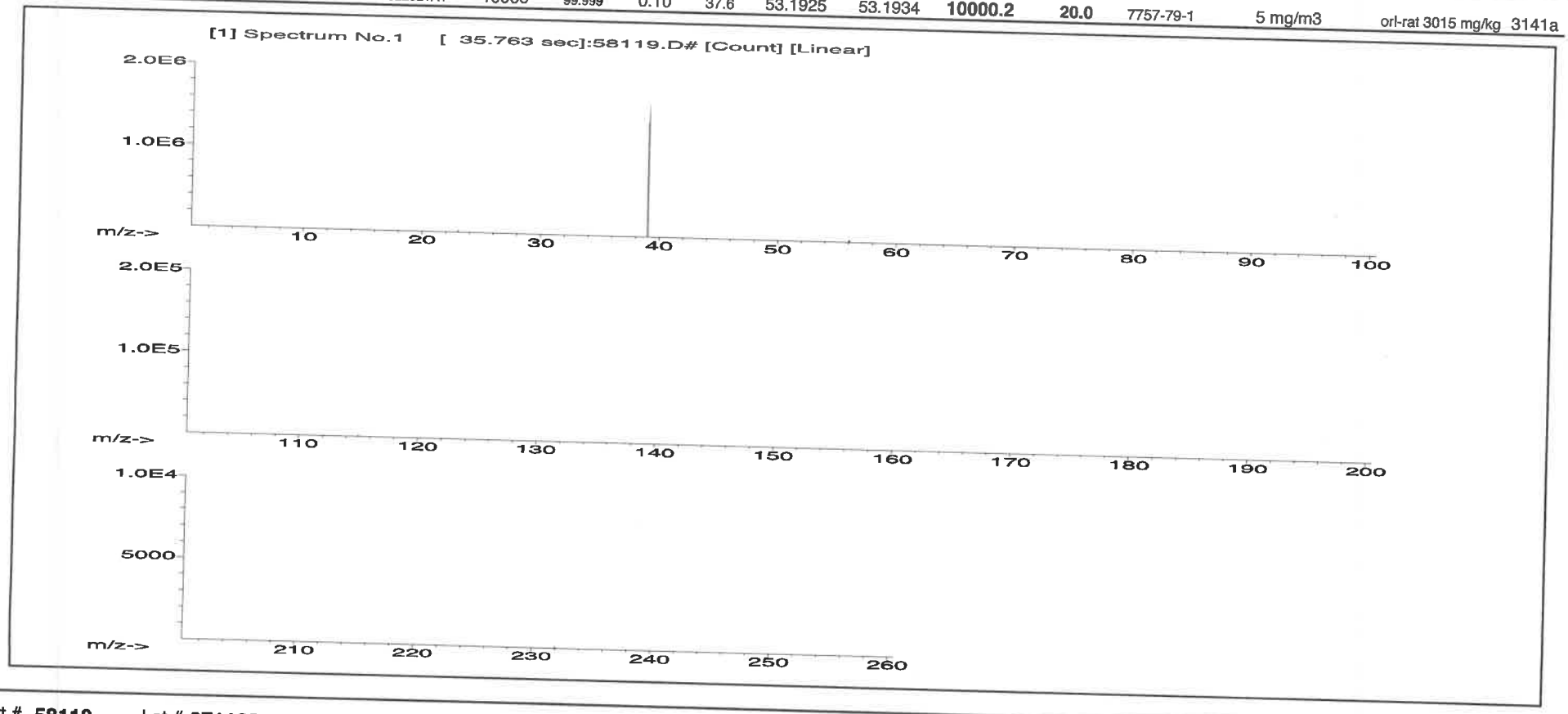
Expiration Date: 071125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

	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



725

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M5289 R: 07/12/22 (BH)

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58113
Lot Number: 070622
Description: Aluminum (Al)

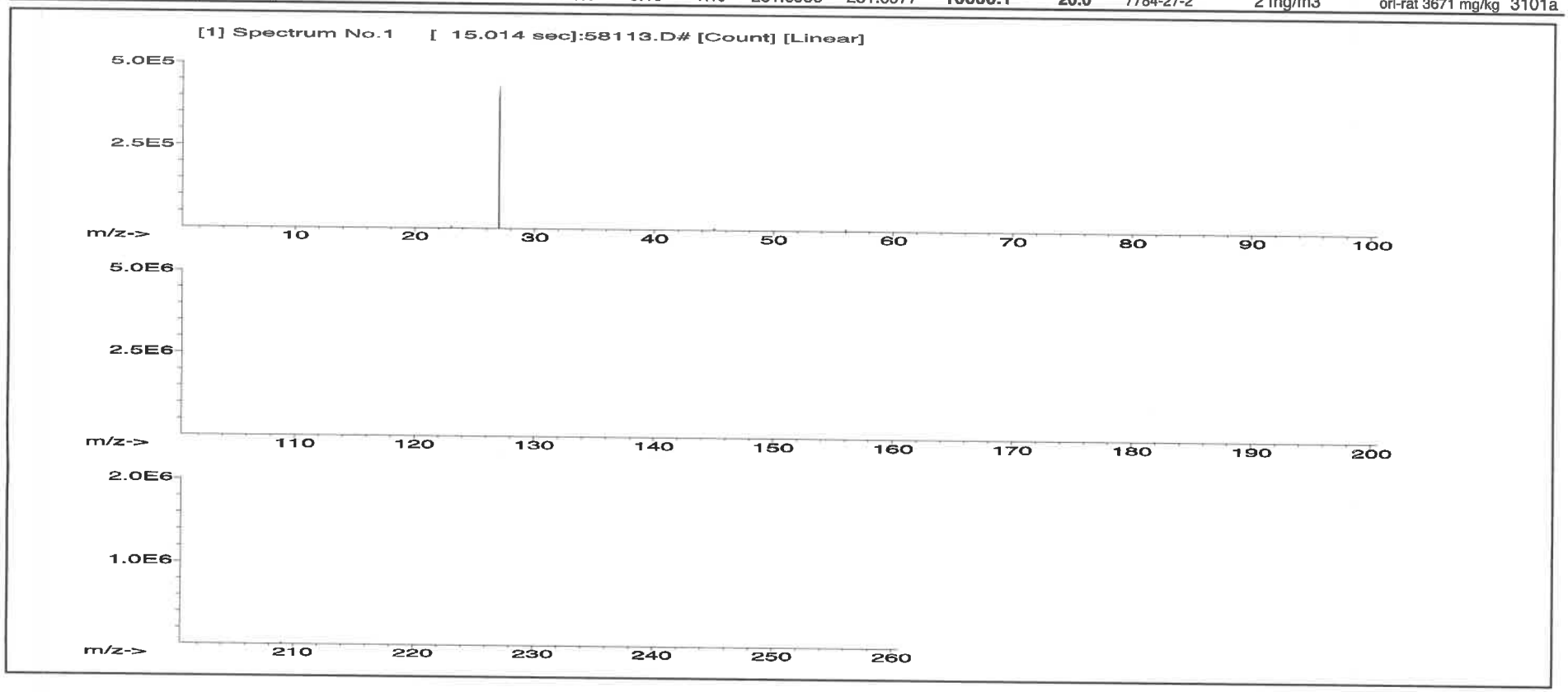
Expiration Date: 070625
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

		Lot #	
Solvent:	20370011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Formulated By:	Lawrence Barry	070622
Reviewed By:	Pedro L. Rentas	070622

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Aluminum nitrate nonahydrate (Al)	IN022	ALD012021A1	10000	99.999	0.10	7.10	281.6956	281.6977	**10000.1**	**20.0**	7784-27-2	2 mg/m3	orl-rat 3671 mg/kg	3101a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	T	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

QATS LABORATORY INORGANIC REFERENCE MATERIAL INITIAL CALIBRATION VERIFICATION SOLUTIONS (ICV1, ICV5, AND ICV6)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Metals in Dilute Acidic or Cyanide in Basic Aqueous Solutions
HAZARDOUS MATERIAL

Safety Data Sheets Available Upon Request

M5291
M5292
M5293
M5294
M5295

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more Aqueous Inorganic Reference Materials containing various analyte concentrations. ICV1 and ICV5 are in a matrix of dilute nitric acid. ICV6 is in a matrix of dilute basic solution. **For the reference material source in reporting ICVs use "USEPA". For the reference material lot number for the ICV1, ICV5, and ICV6 solutions use "ICV1-1014", "ICV5-0415", and "ICV6-0400", respectively.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP, AA, and Cyanide colorimetric instruments, and are to be used with the CLP SOWs and revisions. The values for each element in the ICVs are listed below in µg/L (ppb) for the resulting solution(s) after the dilution of the concentrate(s) according to the following instructions. Use Class 'A' glassware to prepare the solution(s).

ICV1-1014 For ICP-AES analysis, use a 10-fold dilution by pipetting 10 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

ICV1-1014 For ICP-MS analysis, use a 50-fold dilution by pipetting 2 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

ICV5-0415 For the cold vapor analysis of mercury by AA, use a 100-fold dilution by pipetting 1 mL of the ICV5 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

ICV6-0400 For the analysis of cyanide, use a 100-fold dilution by pipetting 1 mL of the ICV6 concentrate into a 100 mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

(D) *CERTIFIED CONCENTRATIONS OF QATS ICV1, ICV5, AND ICV6 SOLUTIONS*

ICV1-1014		
Element	**Concentration (µg/L) (after 10-fold dilution)**	**Concentration (µg/L) (after 50-fold dilution)**
Al	2500	500
Sb	1000	200
As	1000	200
Ba	520	100
Be	510	100
Cd	510	100
Ca	10000	2000
Cr	520	100
Co	520	100
Cu	510	100
Fe	10000	2000
Pb	1000	200
Mg	6000	1200
Mn	520	100
Ni	530	110
K	9900	2000
Se	1000	200
Ag	250	50
Na	10000	2000
Tl	1000	210
V	500	100
Zn	1000	200

ICV5-0415		ICV6-0400	
Element	**Concentration (µg/L) (after 100-fold dilution)**	**Analyte**	**Concentration (µg/L) (after 100-fold dilution)**
Hg	4.0	**CN^-**	99

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	6020CAL-1
Lot Number:	S2-MEB711244
Matrix:	5% (v/v) HNO3 tr. HF
Value / Analyte(s):	20 µg/mL ea:

Silver,	Aluminum,
Arsenic,	Barium,
Beryllium,	Calcium,
Cadmium,	Cobalt,
Chromium,	Copper,
Iron,	Potassium,
Magnesium,	Manganese,
Sodium,	Nickel,
Lead,	Antimony,
Selenium,	Thallium,
Vanadium,	Zinc

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	**20.01 ± 0.08 µg/mL**	**Antimony, Sb**	**20.01 ± 0.12 µg/mL**
Arsenic, As	**20.01 ± 0.18 µg/mL**	**Barium, Ba**	**20.01 ± 0.11 µg/mL**
Beryllium, Be	**20.01 ± 0.14 µg/mL**	**Cadmium, Cd**	**20.01 ± 0.11 µg/mL**
Calcium, Ca	**20.01 ± 0.10 µg/mL**	**Chromium, Cr**	**20.01 ± 0.16 µg/mL**
Cobalt, Co	**20.01 ± 0.11 µg/mL**	**Copper, Cu**	**20.01 ± 0.10 µg/mL**
Iron, Fe	**20.01 ± 0.09 µg/mL**	**Lead, Pb**	**20.01 ± 0.11 µg/mL**
Magnesium, Mg	**19.99 ± 0.10 µg/mL**	**Manganese, Mn**	**20.01 ± 0.10 µg/mL**
Nickel, Ni	**20.01 ± 0.11 µg/mL**	**Potassium, K**	**20.01 ± 0.10 µg/mL**
Selenium, Se	**20.02 ± 0.14 µg/mL**	**Silver, Ag**	**20.02 ± 0.09 µg/mL**
Sodium, Na	**20.01 ± 0.10 µg/mL**	**Thallium, Tl**	**20.01 ± 0.13 µg/mL**
Vanadium, V	**20.01 ± 0.11 µg/mL**	**Zinc, Zn**	**20.01 ± 0.11 µg/mL**

Density: 1.026 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Fe	Calculated		See Sec. 4.2
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	120715
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

Low Silver Note: This solution contains “LOW” levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

October 20, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **October 20, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

R: 09/08/22 (BH)

Certified Reference Material CRM

M5387 . M5389 . M5390 . M5391 . M5392

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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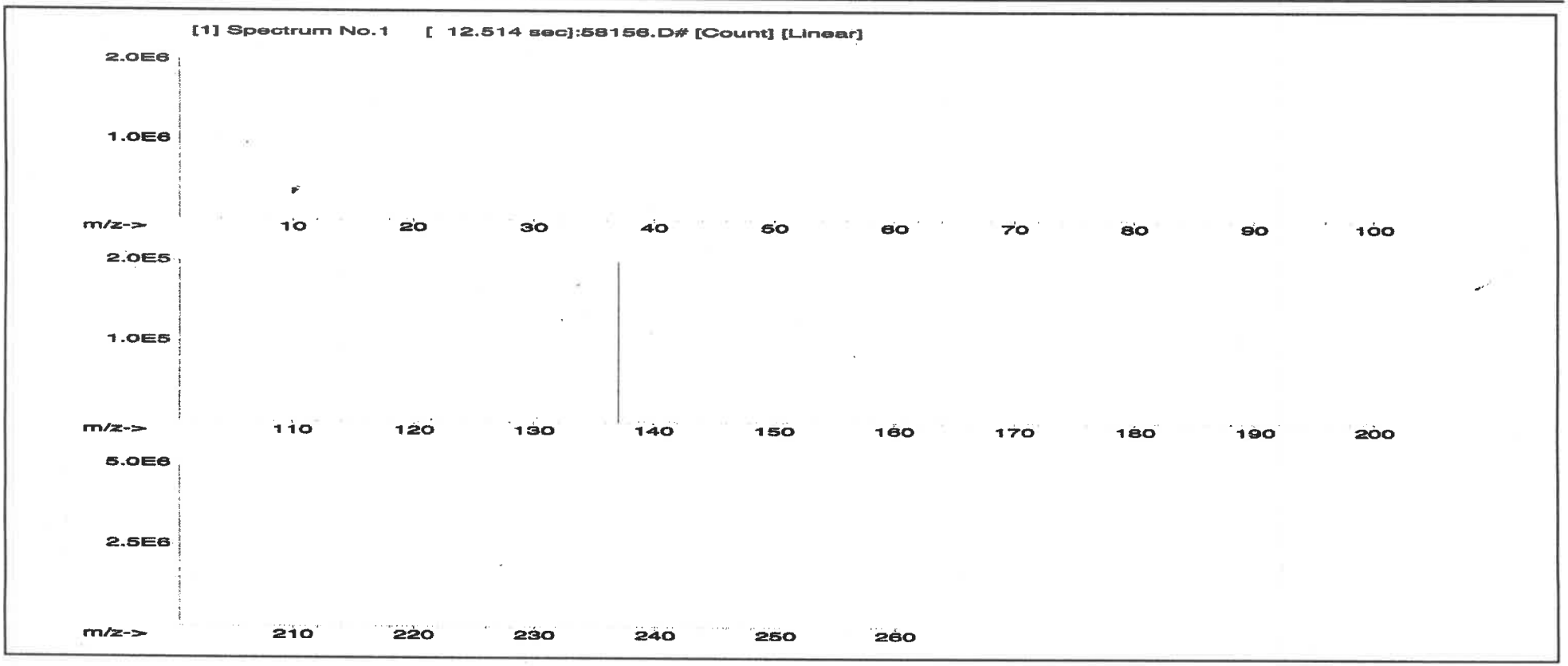
CERTIFIED WEIGHT REPORT:

Part Number:	**57056**		**Lot #**		
Lot Number:	**072122**	**Solvent:**	20510011	Nitric Acid	
Description:	**Barium (Ba)**	2%	40.0 (mL)	Nitric Acid	
Expiration Date:	072125				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Giovanni Esposito

Formulated By:	Giovanni Esposito	072122
Reviewed By:	Pedro L. Rentas	072122

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Barium nitrate (Ba)	IN023	BAD022019A1	1000	99.999	0.10	52.3	3.82417	3.82426	**1000.0**	2.0	10022-31-8	0.5 mg/m3	orl-rat 355 mg/kg	3104a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	T	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

IN5497 - IN5498 R: 03/17/23 BH

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58120
Lot Number: 031523
Description: Calcium (Ca)

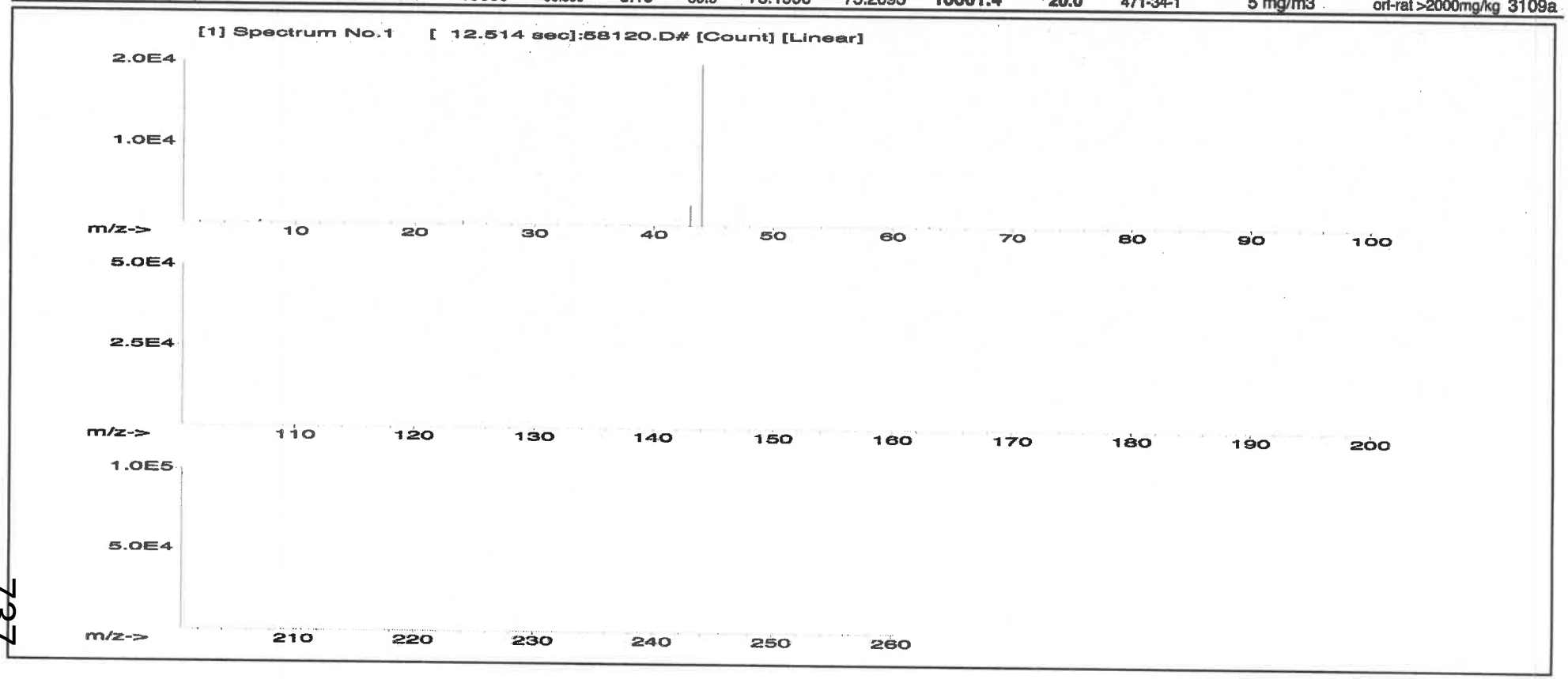
Expiration Date: 031526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41 ± 0.058 Flask Uncertainty

		Lot #	
Solvent:	21110221		Nitric Acid
	2%	60.0 (mL)	Nitric Acid
		5E-05	Balance Uncertainty

Giovanni Esposito
Formulated By: Giovanni Esposito 031523

Pedro Rentas
Reviewed By: Pedro L. Rentas 031523

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Calcium carbonate (Ca)	IN014	CAD072022A1	10000	99.999	0.10	39.9	75.1990	75.2093	**10001.4**	**20.0**	471-34-1	5 mg/m3	orl-rat >2000mg/kg	3109a



737

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.
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* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified 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

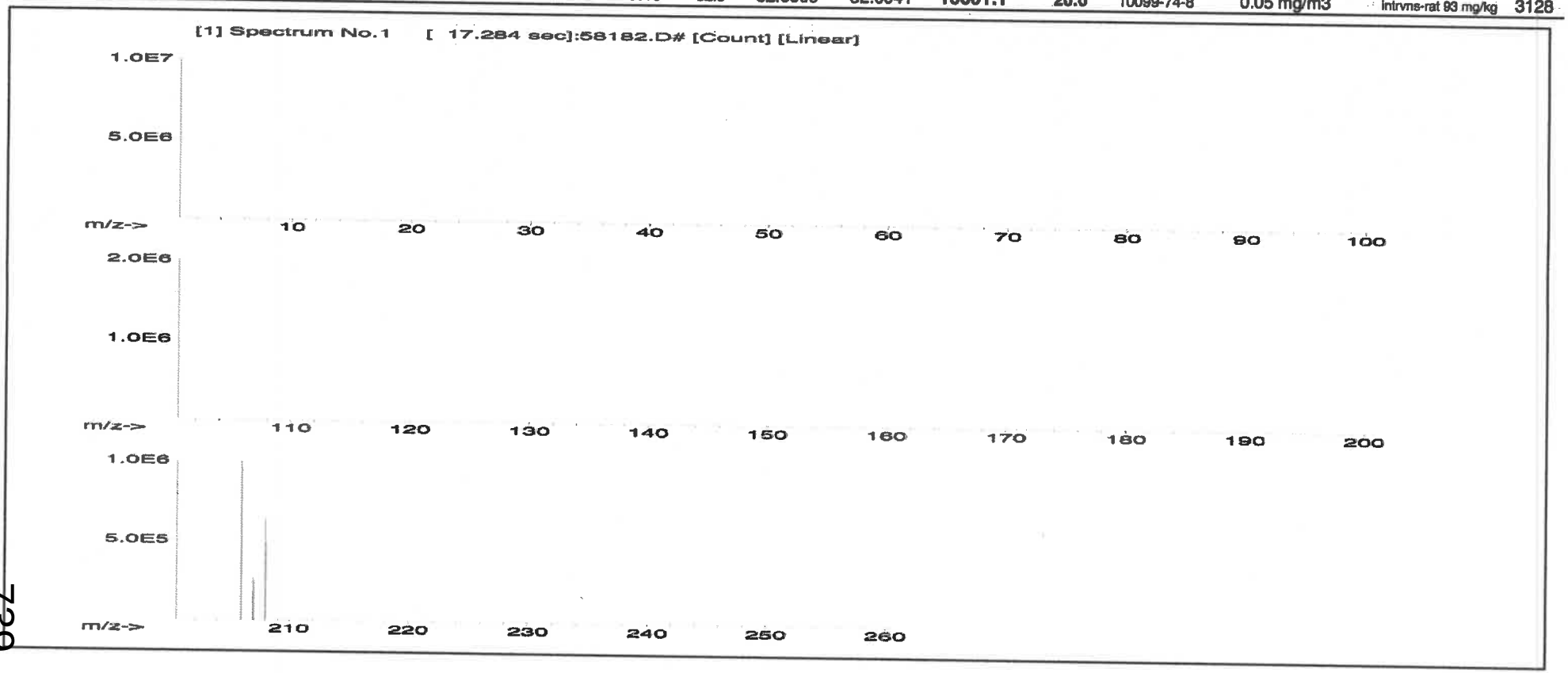
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

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



739

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	T	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

MS514 - MS515 R: 03/17/22

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58126
Lot Number: 092122
Description: Iron (Fe)

Expiration Date: 092125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 5000.1 ± 0.12 Flask Uncertainty

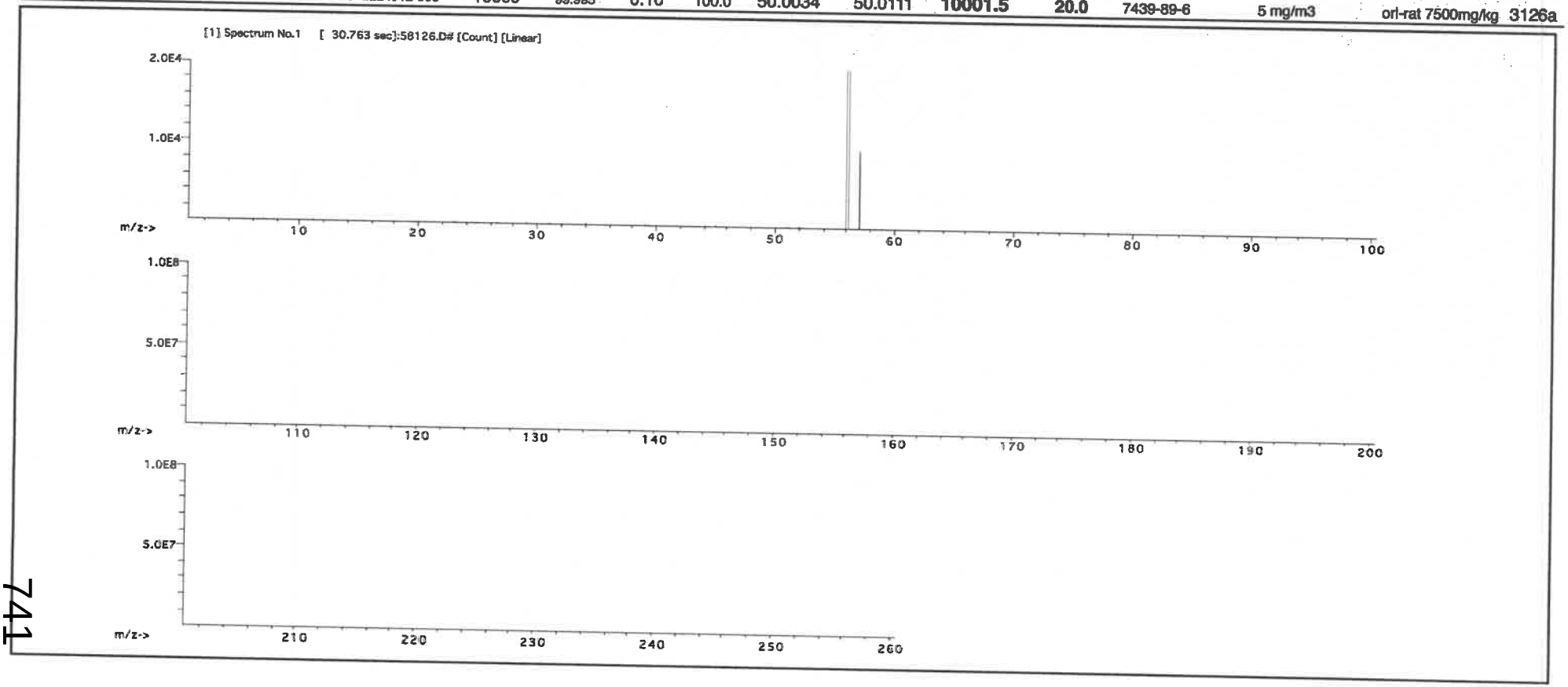
	Lot #		
Solvent:	20510011	Nitric Acid	
7.0%	350.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Giovanni Esposito

Formulated By:	Giovanni Esposito	092122
Reviewed By:	Pedro L. Rentas	092122

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Iron (Fe)	IN346	2224912-500	10000	99.995	0.10	100.0	50.0034	50.0111	**10001.5**	**20.0**	7439-89-6	5 mg/m3	orl-rat 7500mg/kg	3126a



741

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.10	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.10	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.05	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.10	Ge	<0.10	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.05
B	<0.02	Cu	<0.10	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

M5519. M5520 (BH) R:03/17/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

743

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

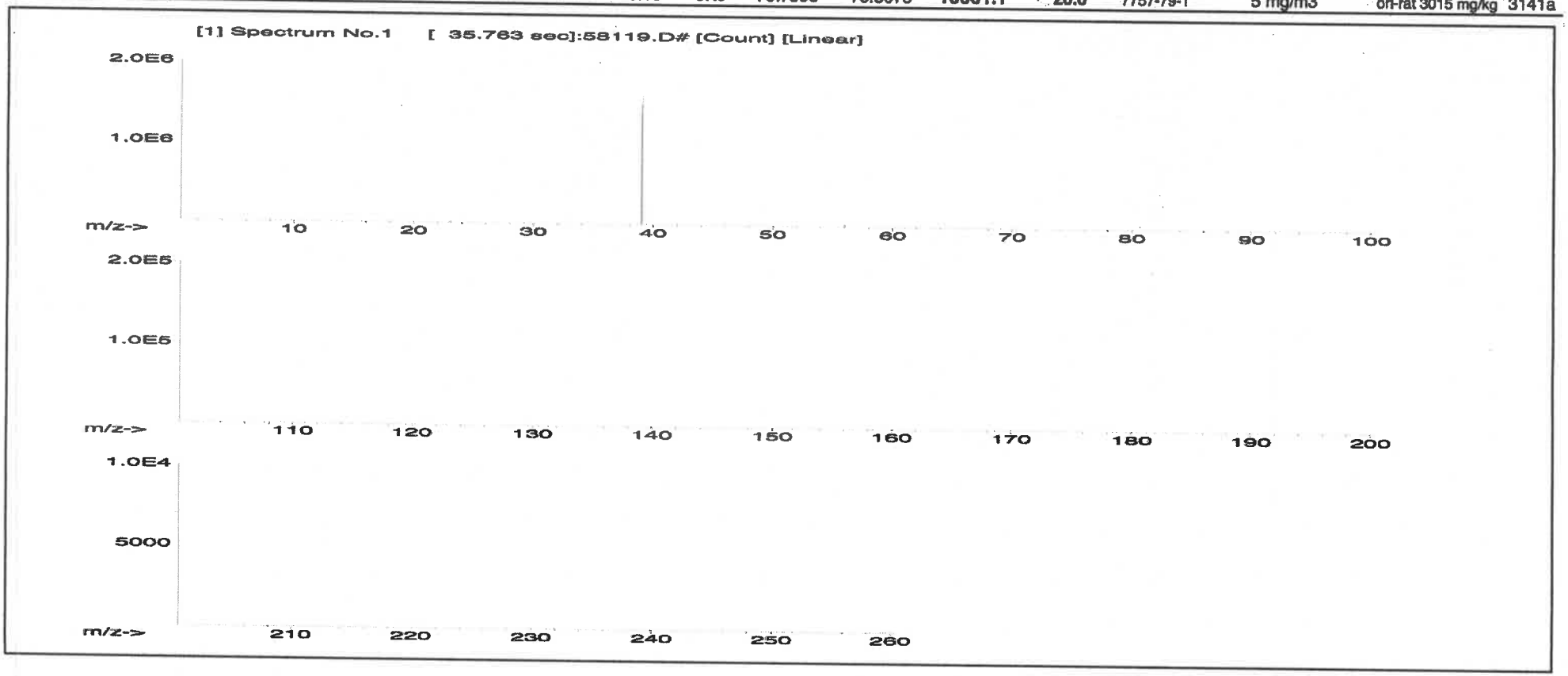
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

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



744

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.
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* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

INORGANIC VENTURES
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Certificate of Analysis

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Christiansburg, VA 24073 USA
inorganicventures.com

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F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-SPK-1
Lot Number:	T2-MEB721963
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	2 000 µg/mL ea: Aluminum, Barium,
	1 000 µg/mL ea: Iron,
	500 µg/mL ea: Manganese, Nickel, Vanadium, Zinc, Cobalt,
	250 µg/mL ea: Copper,
	200 µg/mL ea: Chromium,
	50 µg/mL ea: Beryllium, Silver

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	2 000 ± 7 µg/mL	Barium, Ba	2 000 ± 9 µg/mL
Beryllium, Be	50.00 ± 0.26 µg/mL	Chromium, Cr	200.0 ± 1.1 µg/mL
Cobalt, Co	500.0 ± 2.4 µg/mL	Copper, Cu	250.0 ± 1.0 µg/mL
Iron, Fe	1 000 ± 4 µg/mL	Manganese, Mn	500.0 ± 2.0 µg/mL
Nickel, Ni	500.0 ± 2.2 µg/mL	Silver, Ag	50.00 ± 0.22 µg/mL
Vanadium, V	500.0 ± 2.2 µg/mL	Zinc, Zn	500.0 ± 2.2 µg/mL

Density: 1.070 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
V	IC Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method I with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information.

https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 27, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 27, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



CORCO CHEMICAL CORPORATION

Manufacturers of ACS Reagents and Semiconductor Grade Chemicals

CERTIFICATE OF ANALYSIS

Date: 8/3/2022 MS631 MS632 MS633 MS634 **Lot No 820803**

Hydrogen Peroxide, ACS
Reagent Grade

TEST	MAXIMUM LIMITS	RESULT
Appearance	Colorless and free from suspended matter or sediment	Pass
Assay	29-32%	31.4%
Color (APHA)	10	5
Residue after Evaporation	0.002%	.0001%
Titratable Acid	0.0006 meq/g	< .0006 meq/g
Chloride (Cl)	2 ppm	< 1 ppm
Nitrate (NO_3)	2 ppm	< 1 ppm
Phosphate	2 ppm	< 1 ppm
Sulfate (SO_4)	5 ppm	< .5 ppm
Ammonium (NH_4)	5 ppm	< 1 ppm
Heavy Metals (as Pb)	1 ppm	< .1 ppm
Iron (Fe)	0.5 ppm	< .1 ppm
Sodium Stannate	200 – 300 ppb	Pass

***Our Hydrogen Peroxide is considered un-stabilized because it is very slightly stabilized with Sodium Stannate, 500 ppb maximum, just for safety purposes.

Date of MFG: 8/2022
Retest date: 8/2024

Gina M. Rambo
Office Manager

CORCO CHEMICAL CORPORATION. 299 CEDAR LANE. FAIRLESS HILLS, PA 19030. 215-295-5006. FAX 215-295-0781

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M5657 A: 8/29/22

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info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

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ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-SPK-4
Lot Number:	T2-MEB721144
Matrix:	3% (v/v) HNO3
Value / Analyte(s):	100 µg/mL ea: Antimony,
	50 µg/mL ea: Cadmium, Thallium,
	40 µg/mL ea: Arsenic,
	20 µg/mL ea: Lead,
	10 µg/mL ea: Selenium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	99.9 ± 0.8 µg/mL	Arsenic, As	40.00 ± 0.25 µg/mL
Cadmium, Cd	49.96 ± 0.22 µg/mL	Lead, Pb	19.99 ± 0.10 µg/mL
Selenium, Se	10.00 ± 0.06 µg/mL	Thallium, Tl	49.96 ± 0.32 µg/mL

Density: 1.014 g/mL (measured at 20 ± 4 °C)

Assay Information:

750

ANALYTE	METHOD	NIST SRM#	SRM LOT#
As	ICP Assay	traceable to 3103a	R2-AS691113
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Cd	Calculated		See Sec. 4.2
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Pb	Calculated		See Sec. 4.2
Sb	ICP Assay	3102a	140911
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 07, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **July 07, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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Certified Reference Material CRM

M5658 R ! 8/25/23

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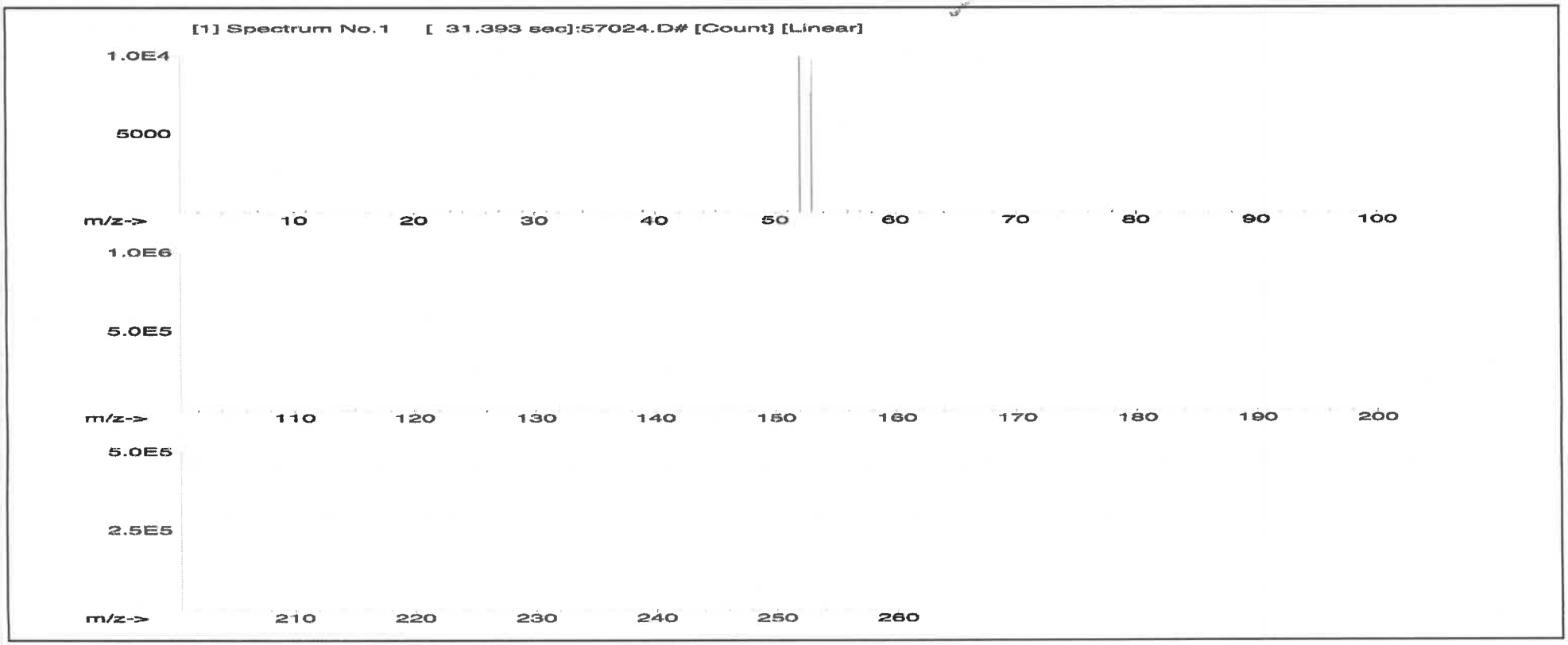
754

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



755

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	T	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

M5697 R: 10/27/23

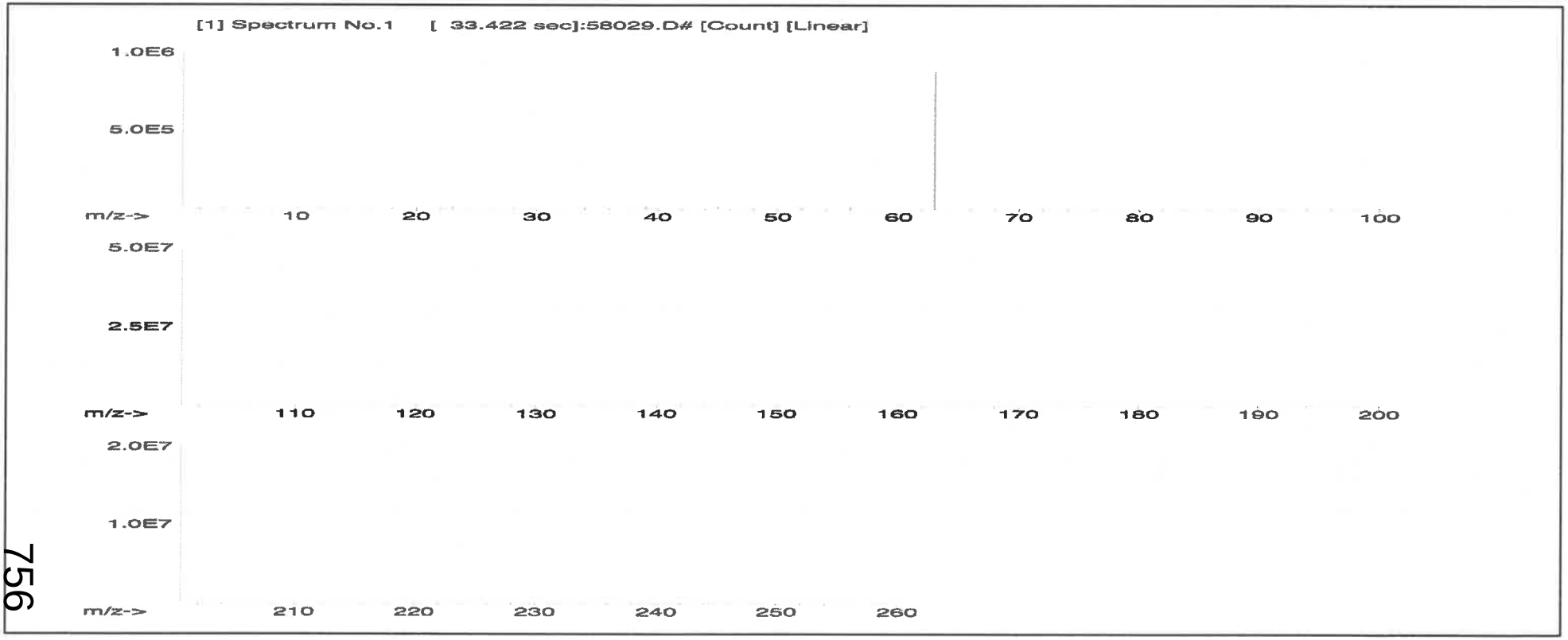
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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



756

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	T	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

M5648 R: 10/27/23

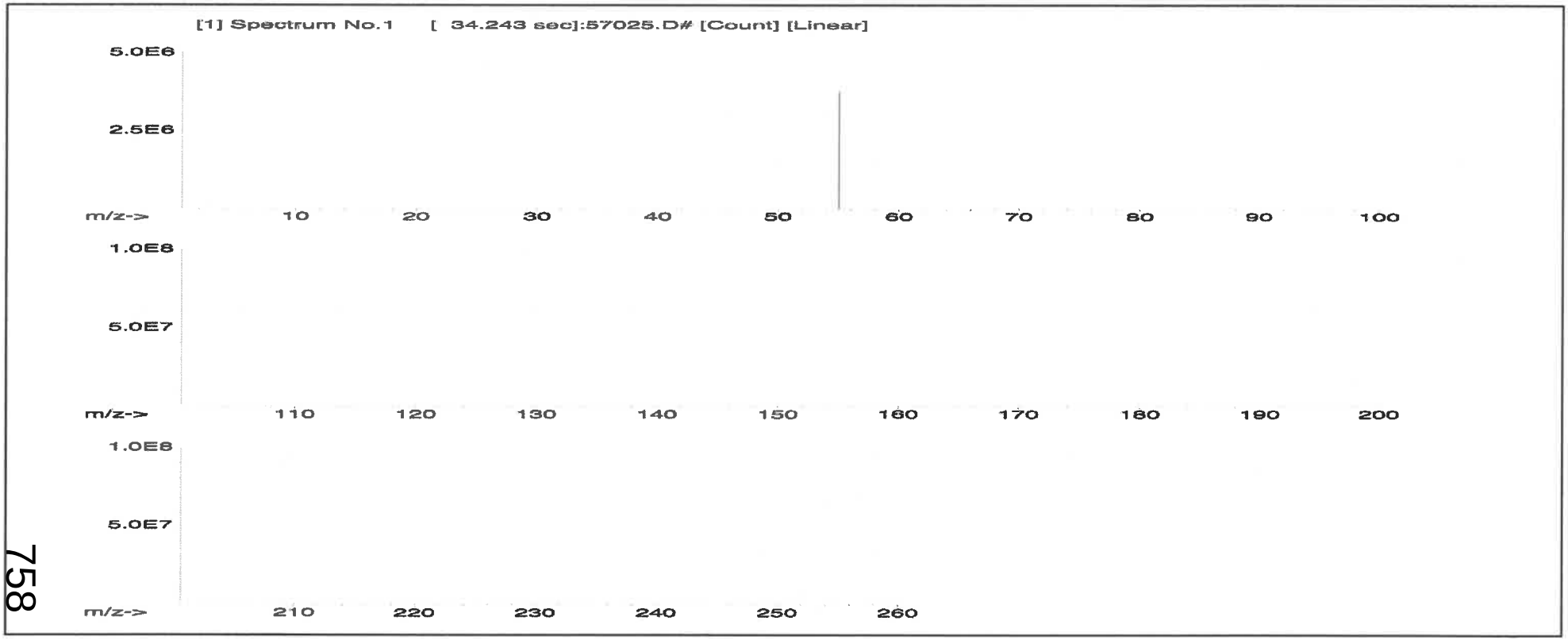
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CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58025**	24002546	Nitric Acid	
Lot Number:	**102623**			
Description:	**Manganese (Mn)**			
		2.0%	60.0 (mL)	Nitric Acid
Expiration Date:	102626			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	3000.41	0.058	Flask Uncertainty	

Formulated By:	Benson Chan	102623
Reviewed By:	Pedro L. Rentas	102623

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Manganese(II) nitrate tetrahydrate (Mn)	58125	071123	0.1000	300.0	0.084	1000	10000.1	**1000.0**	**2.1**	20694-39-7	5 mg/m3	orl-rat >300mg/kg	3132



758

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	T	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M5768 M5769 (BP) R:1/3/24

Certified Reference Material CRM

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790

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

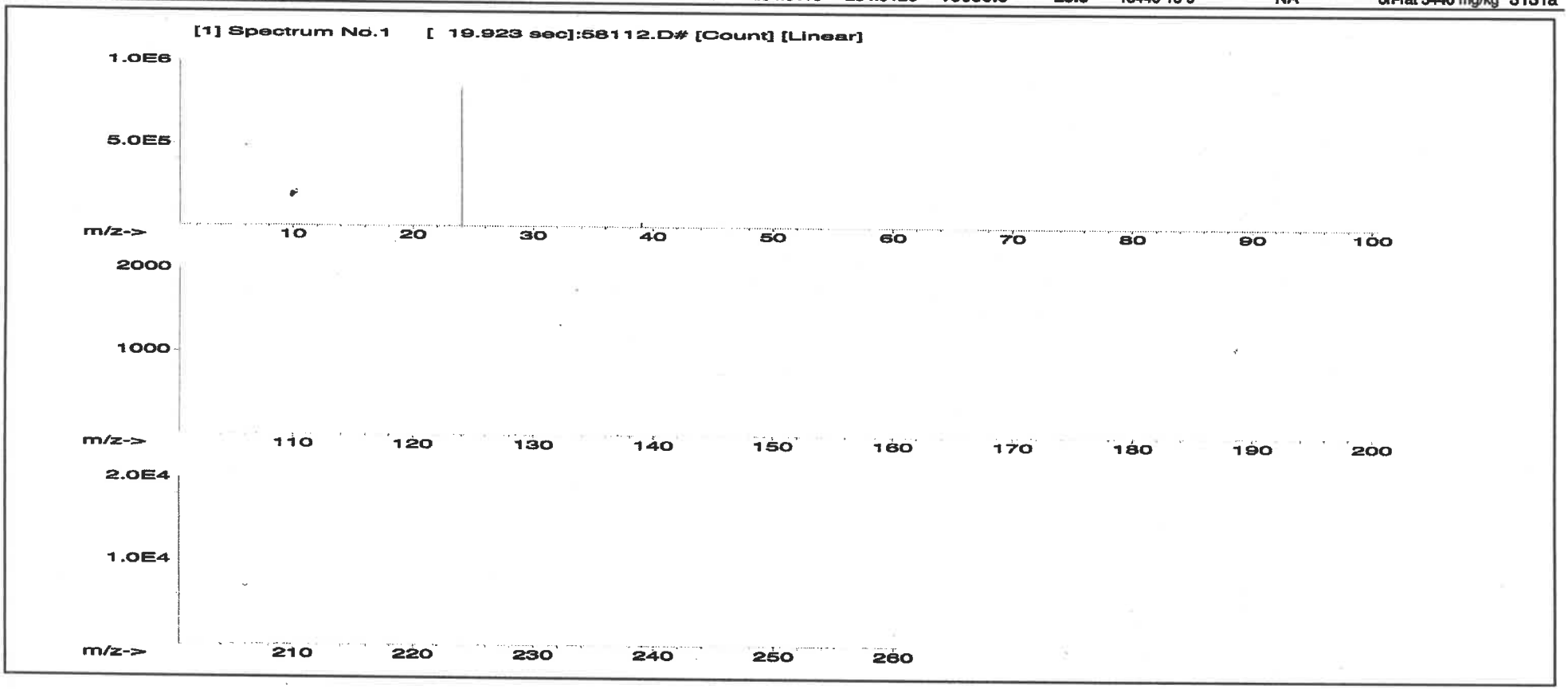
5E-05 Balance Uncertainty

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



761

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M5768 M5769 (BP) R:1/3/24

Certified Reference Material CRM

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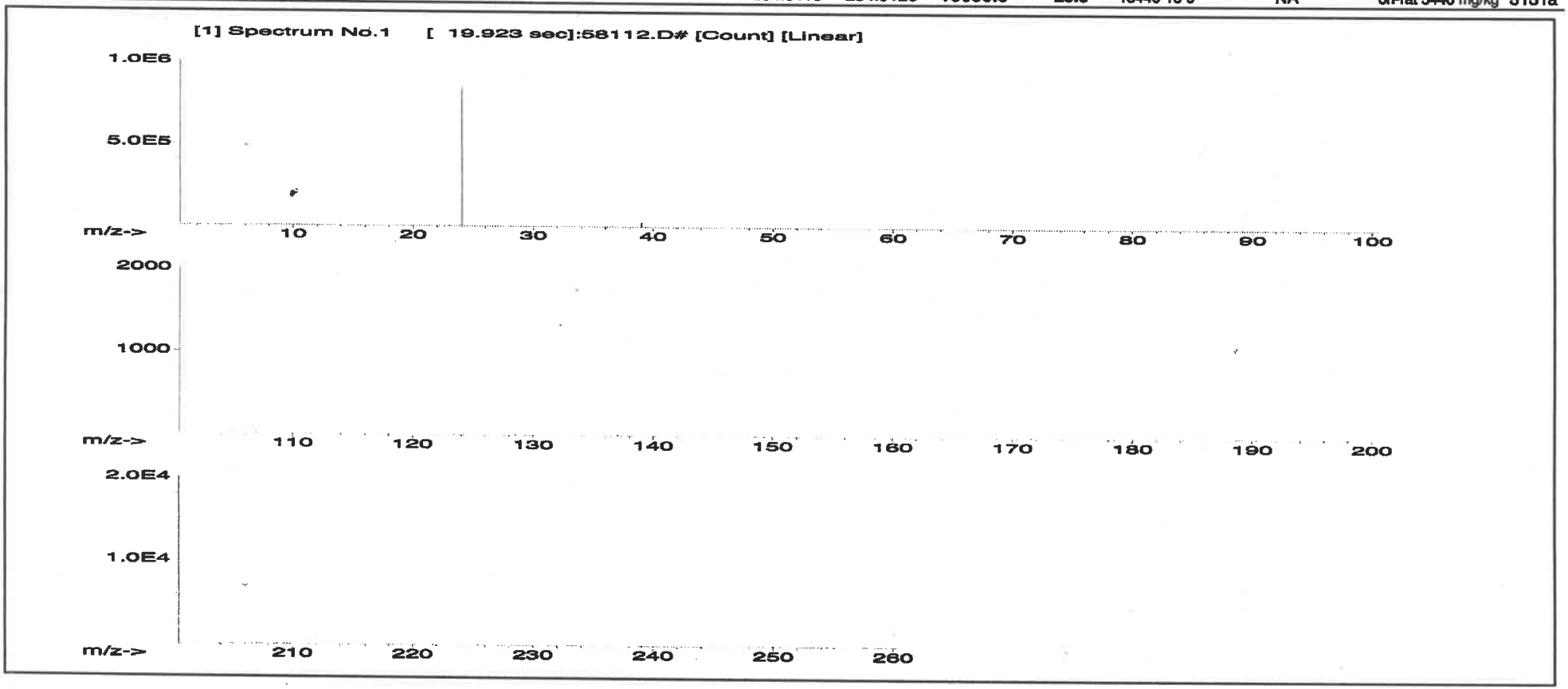
762

CERTIFIED WEIGHT REPORT:

			Lot #	
Part Number:	**58112**	**Solvent:**	24002546	Nitric Acid
Lot Number:	**091823**			
Description:	**Magnesium (Mg)**	2%	40.0 (mL)	Nitric Acid
Expiration Date:	091826			
Recommended Storage:	Ambient (20 °C)	M5768, M5769 (BP) R: 1/3/24		
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05 Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058 Flask Uncertainty		

Formulated By:	Lawrence Barry 091823
Reviewed By:	Pedro L. Rentas 091823

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Magnesium nitrate hexahydrate (Mg)	IN030	MGD052023A1	10000	99.999	0.10	8.51	234.9118	234.9126	**10000.0**	**20.0**	13446-18-9	NA	orl-rat 5440 mg/kg	3131a



763

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
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* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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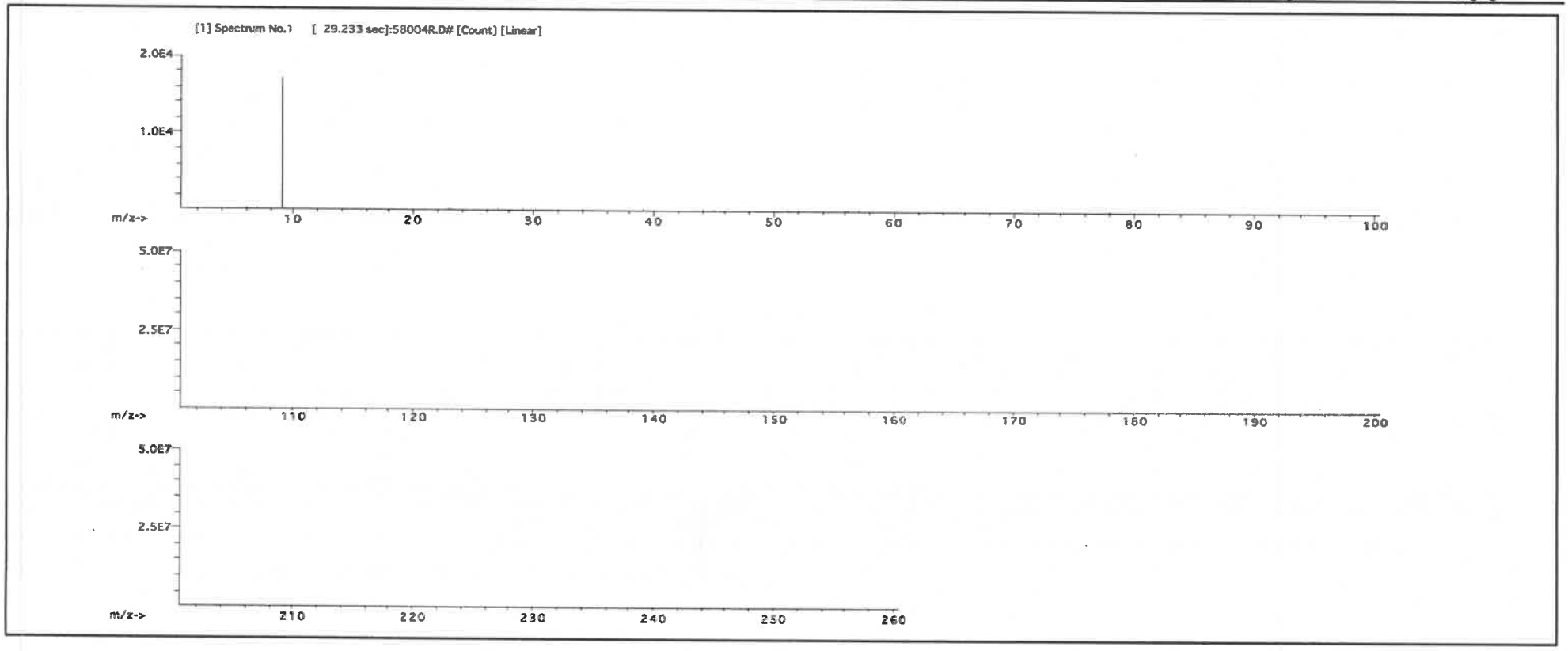
764

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57004**	24002546	Nitric Acid	
Lot Number:	**102523**			
Description:	**Beryllium (Be)**	2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	102526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Benson Chan	102523
Reviewed By:	Pedro L. Rentas	102523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Beryllium nitrate (Be)	58104	091423	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13597-99-4	0.2ug/m3	intrvns-rat 3.16mg/kg	NA



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	T	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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BA

7995

CERTIFIED WEIGHT REPORT:

Part Number: 57050
Lot Number: 071123
Description: Tin (Sn)

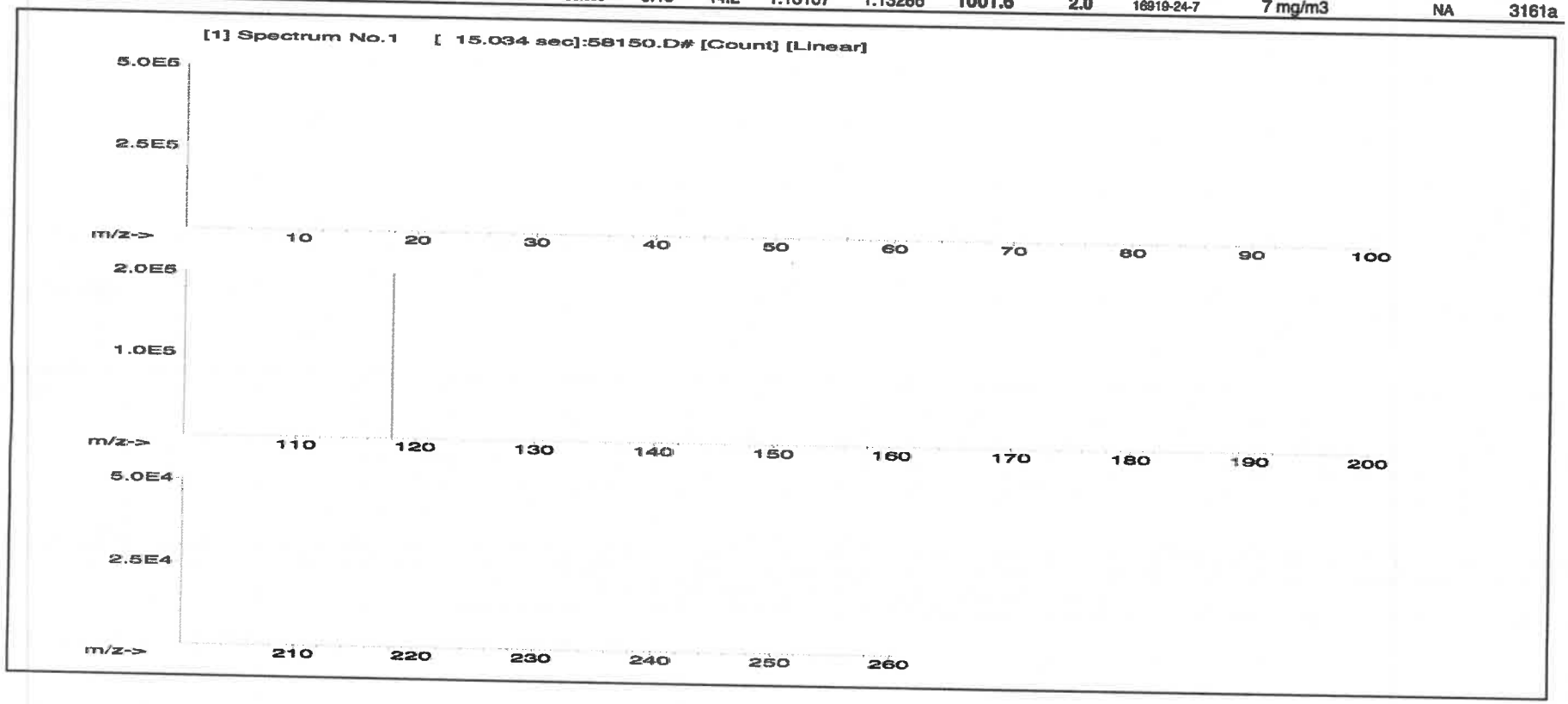
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93

	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



797

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<500	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	T	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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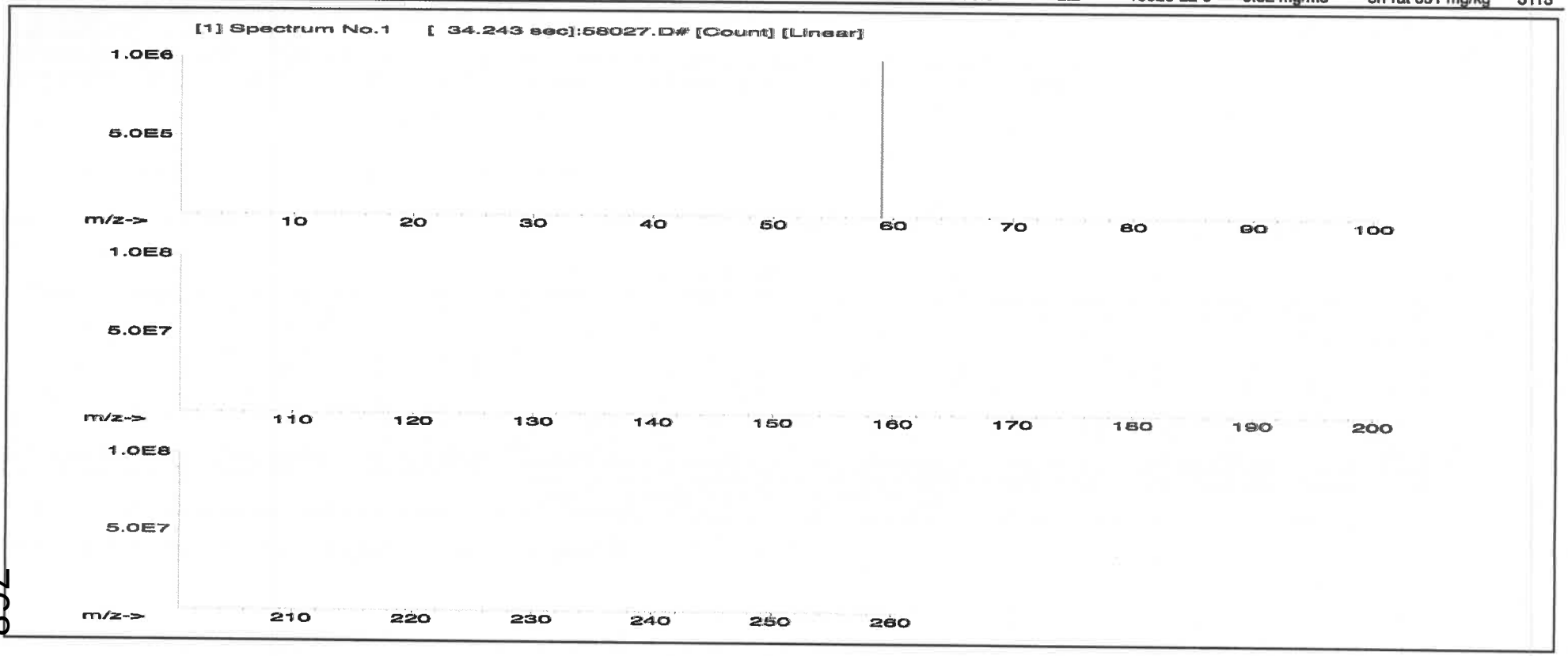
CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57027**	24002546	Nitric Acid		
Lot Number:	**091923**				
Description:	**Cobalt (Co)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	091926				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By: Lawrence Barry 091923

Reviewed By: Pedro L. Rentas 091923

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cobalt(II) nitrate hexahydrate (Co)	58127	050923	0.1000	200.0	0.084	1000	10000.0	**1000.0**	**2.2**	10026-22-9	0.02 mg/m3	orl-rat 691 mg/kg	3113



768

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	T	Gé	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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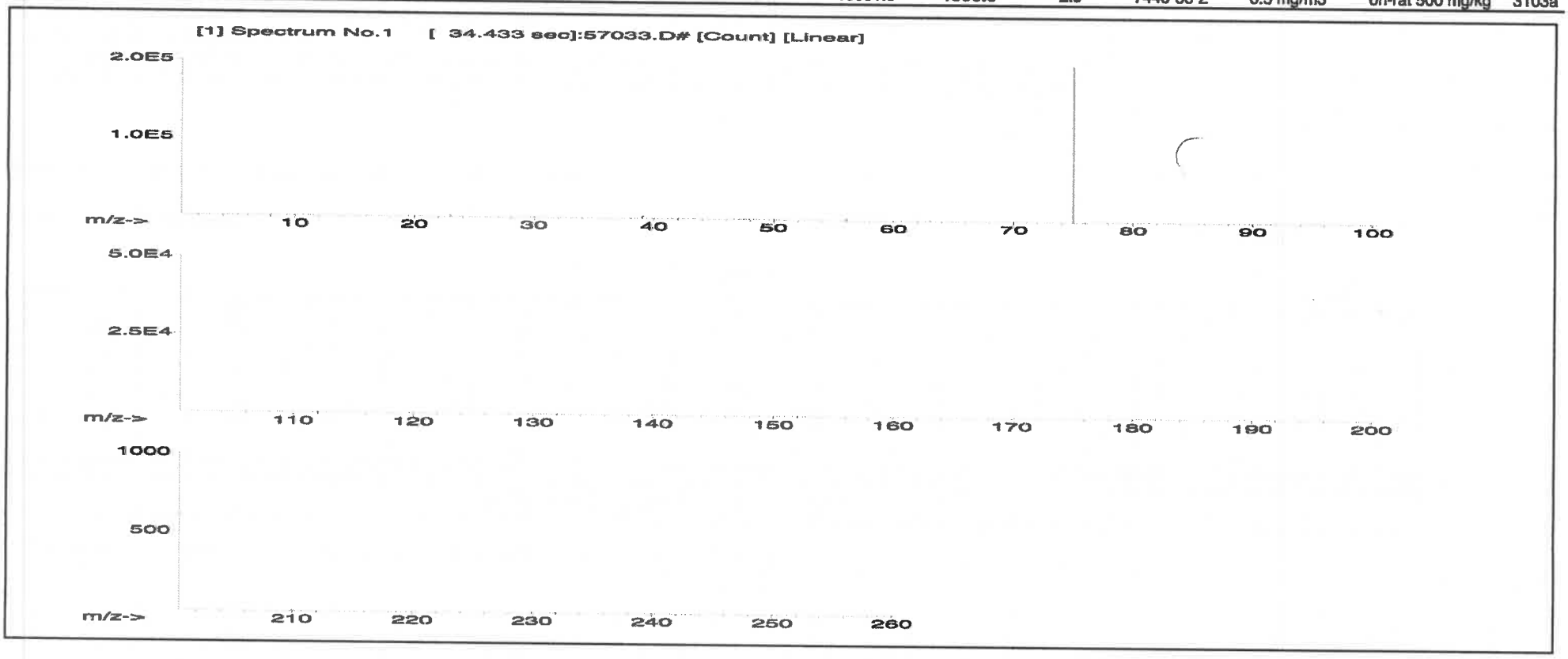
770

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



777

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	T	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge*	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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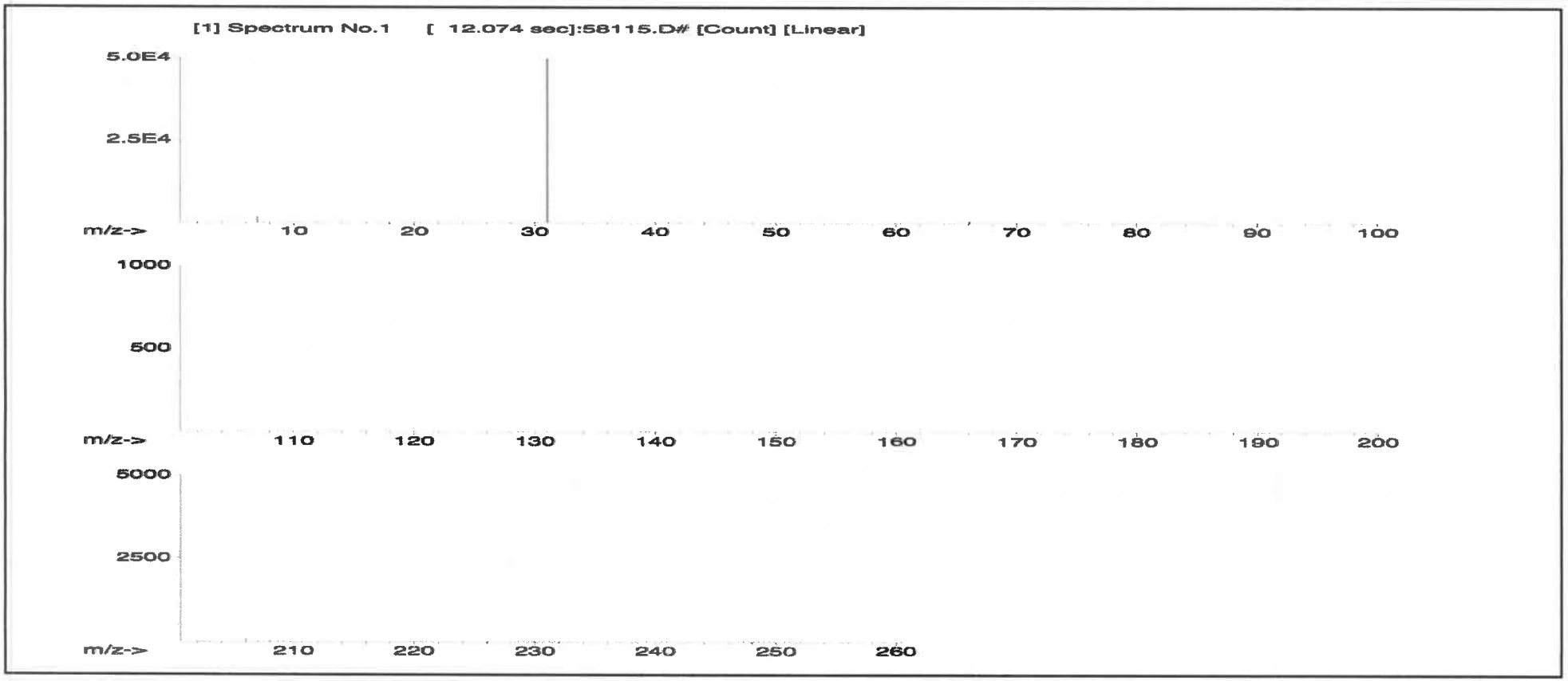
772

CERTIFIED WEIGHT REPORT:

			Lot #	
Part Number:	**57115**	**Solvent:**	21110221	Nitric Acid
Lot Number:	**041723**			
Description:	**Phosphorous (P)**	2%	40.0 (mL)	Nitric Acid
Expiration Date:	041726			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	041723
Reviewed By:	Pedro L. Rentas	041723

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium dihydrogen phosphate (P)	IN008	PV082019A1	10000	99.999	0.10	27.5	72.7287	72.7289	**10000.0**	**20.0**	7722-76-1	5 mg/m3	orl-rat >2000mg/kg	3186



Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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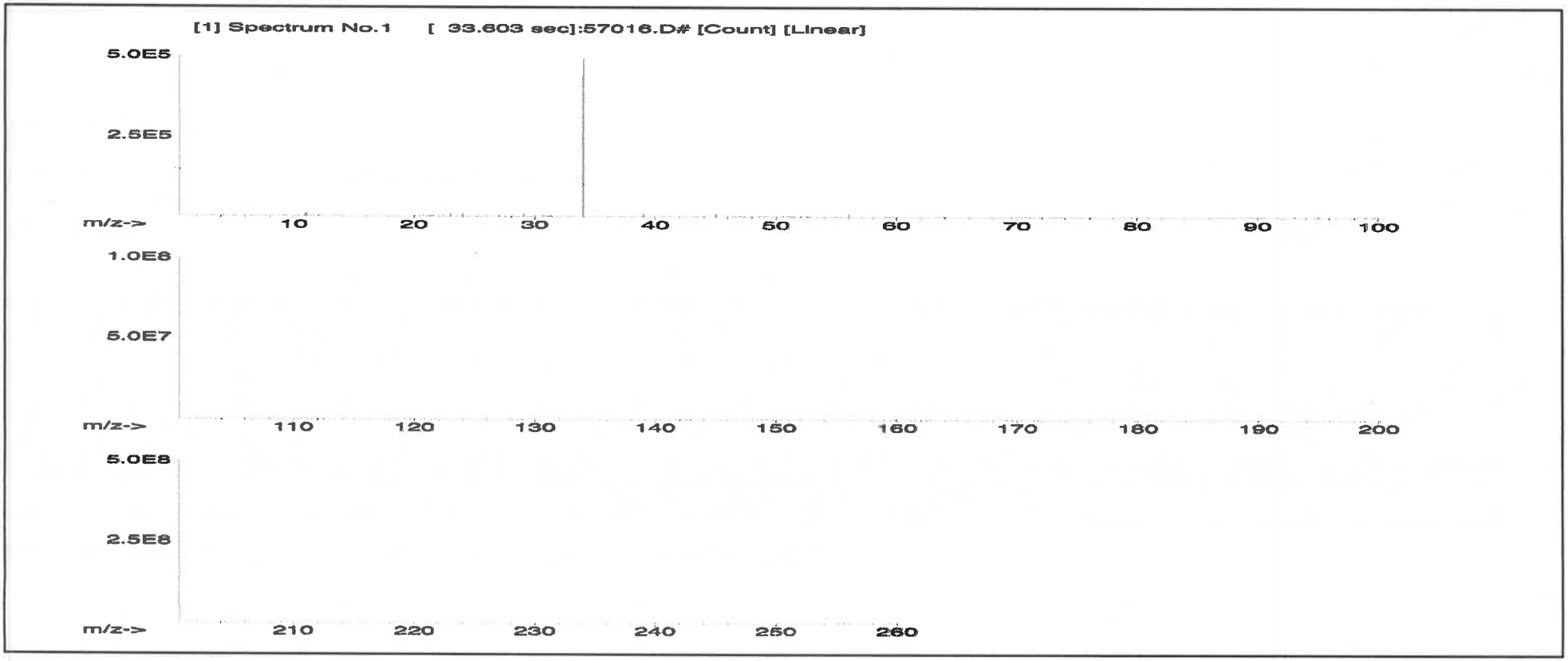
774

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



775

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	T	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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977

CERTIFIED WEIGHT REPORT:

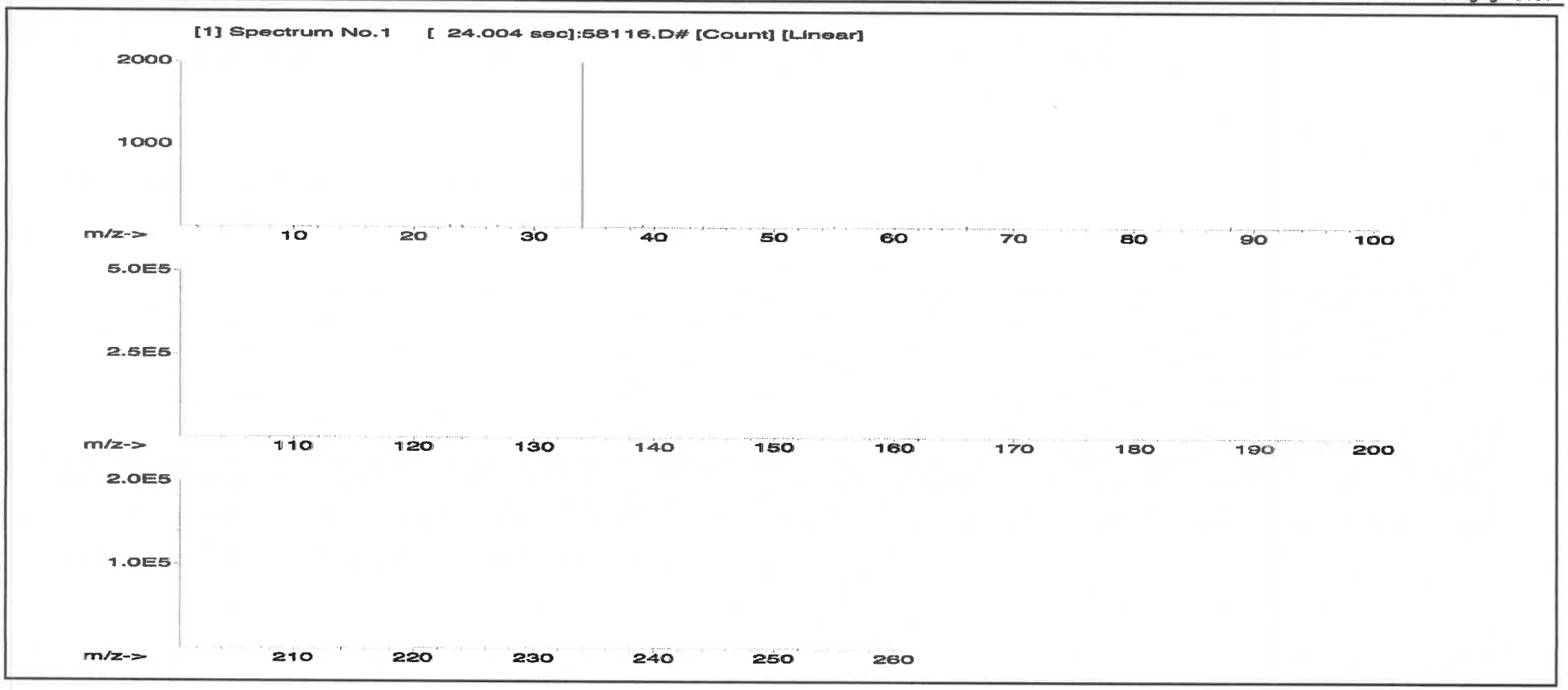
Part Number: 57116
Lot Number: 071123
Description: Sulfur (S)

Solvent: 071123 ASTM Type 1 Water

Formulated By:	Lawrence Barry	071123
Reviewed By:	Pedro L. Rentas	071123

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

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



777

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	T	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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CERTIFIED WEIGHT REPORT:

Lot #

Part Number: 57014
Lot Number: 122023
Description: Silicon (Si)

Solvent: 24002546 Nitric Acid

2% 40.0 (mL) Nitric Acid

Expiration Date: 122026
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB 5E-05 Balance Uncertainty
Weight shown below was diluted to (mL): 1999.48 0.058 Flask Uncertainty

Aleah O'Brady

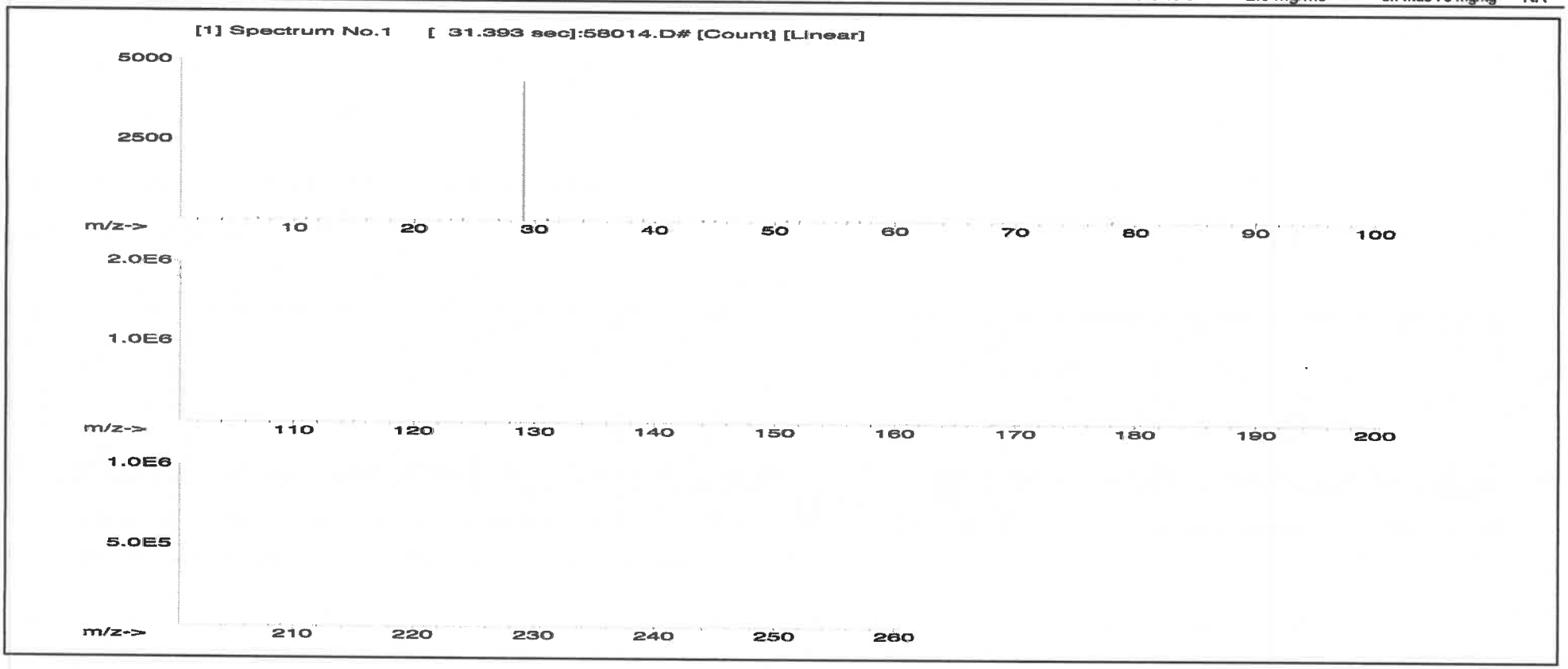
Formulated By:	Aleah O'Brady	122023

Pedro Rentas

Reviewed By:	Pedro L. Rentas	122023

7778

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium hexafluorosilicate (Si)	IN009	SID082022A1	1000	99.999	0.10	14.4	13.8854	13.8855	**1000.0**	**2.0**	16919-19-0	2.5 mg/m3	orl-mus 70 mg/kg	NA



7779

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	T	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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780

CERTIFIED WEIGHT REPORT:

Part Number: 58030
Lot Number: 111623
Description: Zinc (Zn)

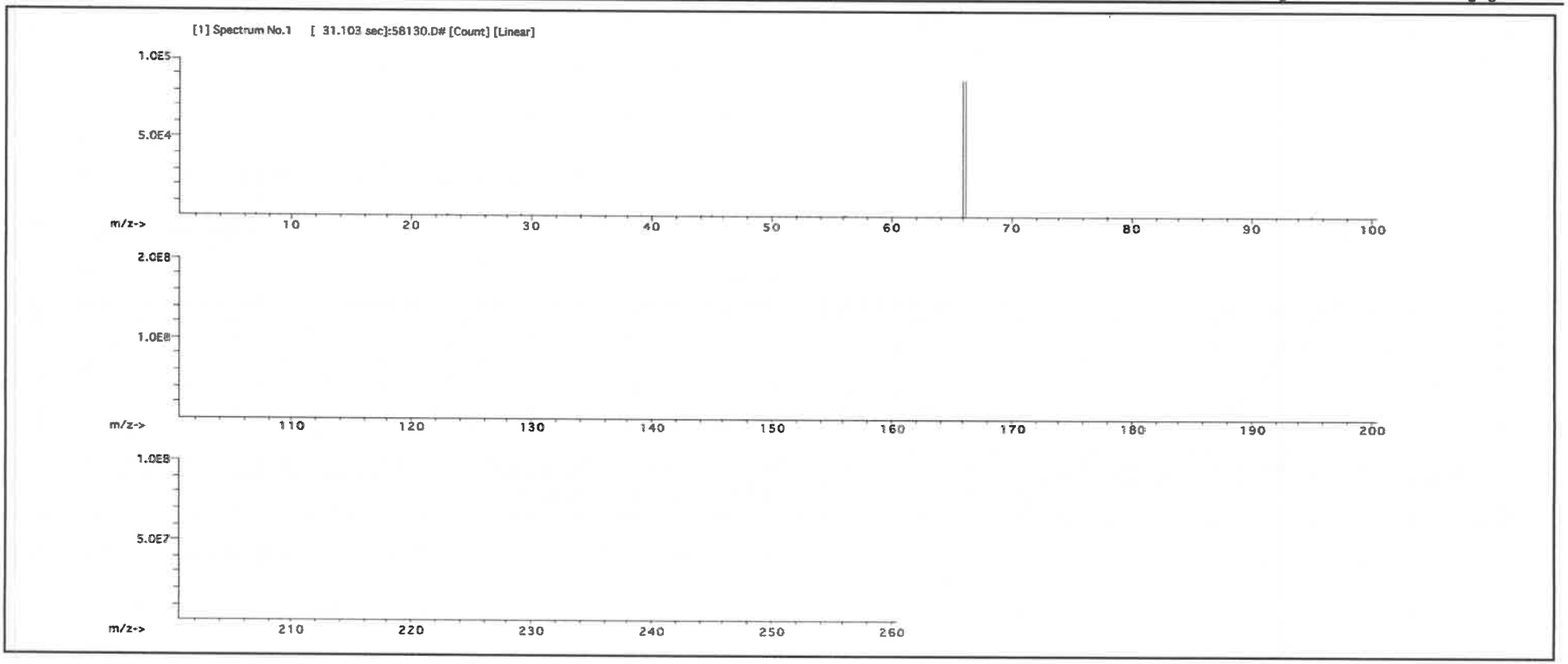
Expiration Date: 111626
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

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



781

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	T
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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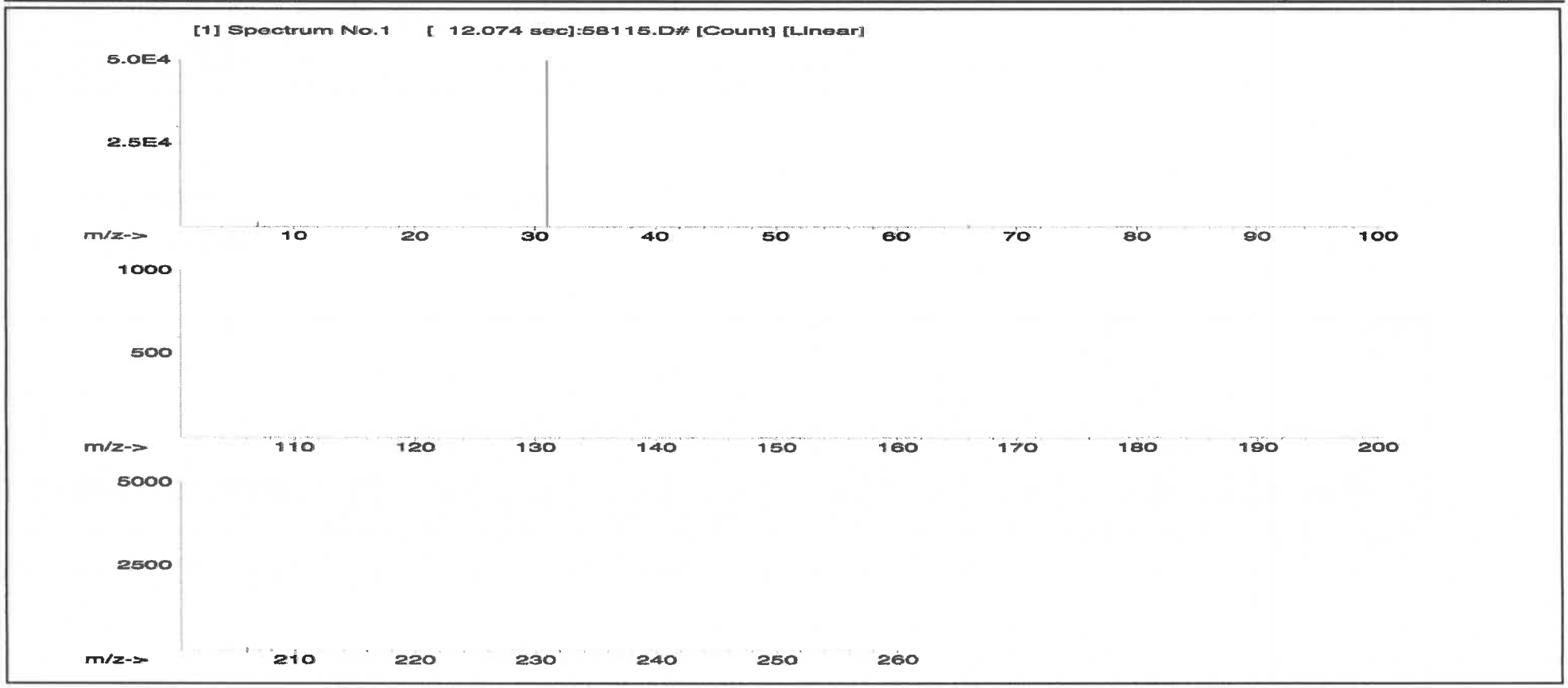
782

CERTIFIED WEIGHT REPORT:

Part Number:	**57015**		**Lot #**		
Lot Number:	**091123**	**Solvent:**	24002546	Nitric Acid	
Description:	**Phosphorous (P)**	2%	40.0 (mL)	Nitric Acid	
Expiration Date:	091126				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	091123
Reviewed By:	Pedro L. Rentas	091123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium dihydrogen phosphate (P)	IN008	PV082019A1	1000	99.999	0.10	27.5	7.2729	7.2730	**1000.0**	**2.0**	7722-76-1	5 mg/m3	orl-rat >2000mg/k	3186



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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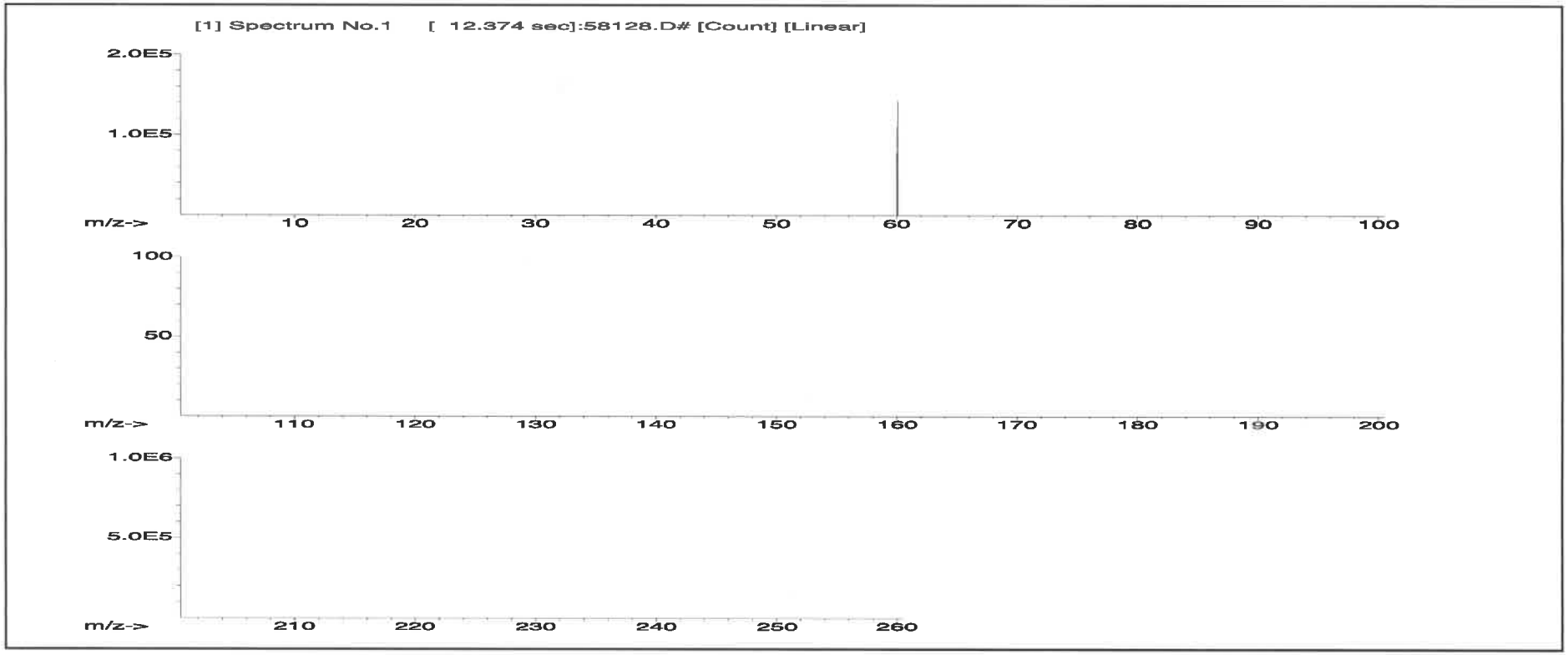
784

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



785

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	T	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

M5962 R! 06/14/24.

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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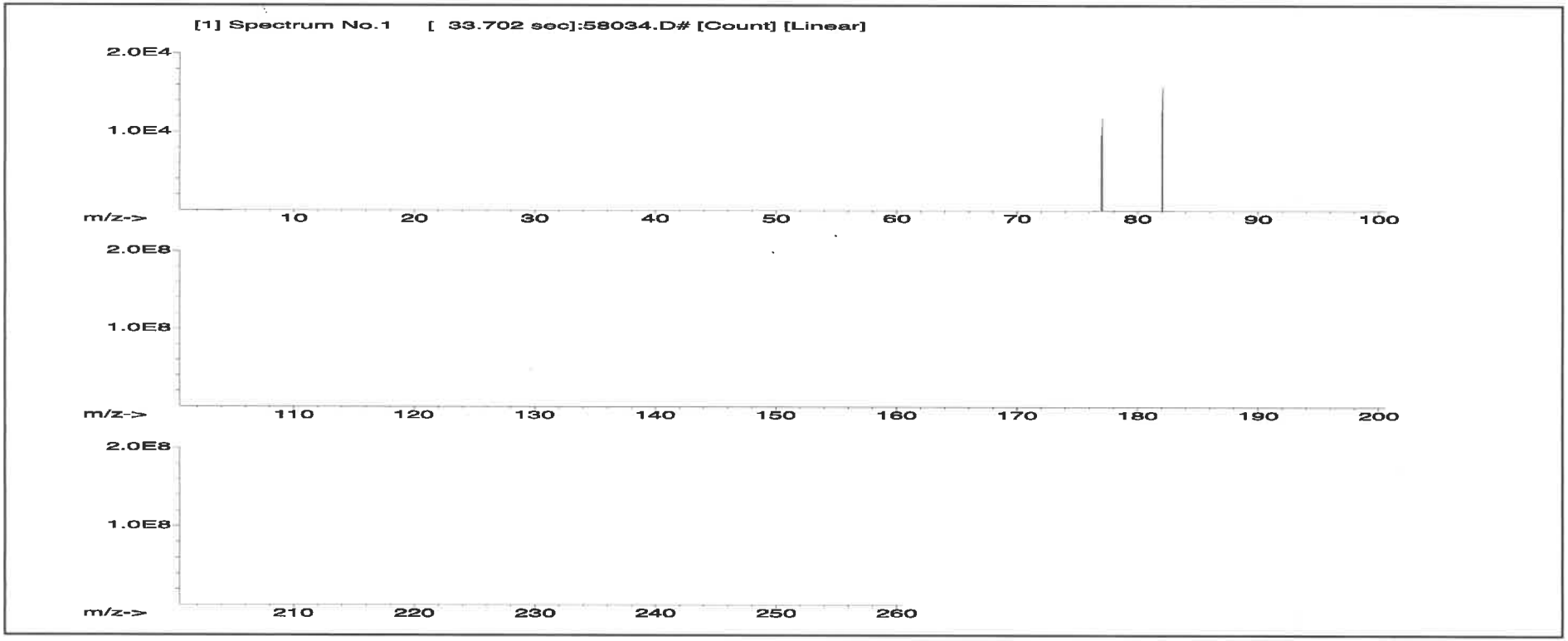
7886

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



787

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																		
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	T	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certificate of Analysis

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F: 540-585-3012
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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGMO1
Lot Number:	T2-MO720876
Matrix:	H2O tr. NH4OH
Value / Analyte(s):	1 000 µg/mL ea: Molybdenum
Starting Material:	Ammonium Molybdate
Starting Material Lot#:	2361
Starting Material Purity:	99.9893%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 998 ± 7 µg/mL

Density: 1.000 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **998 ± 4 µg/mL**
ICP Assay NIST SRM 3134 Lot Number: 130418

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance.

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000590	M	Eu	<	0.000300	M	Na		0.000879	M	Se	<	0.008000	M	Zn		0.000598
M	Al		0.000563	M	Fe	<	0.006500	M	Nb	<	0.029000	i	Si	<		M	Zr	<	0.001800
M	As	<	0.002100	M	Ga	<	0.000300	i	Nd	<		M	Sm	<	0.000300				
M	Au	<	0.000300	M	Gd	<	0.000300	M	Ni	<	0.008000	M	Sn	<	0.008900				
M	B	<	0.003300	M	Ge	<	0.000300	M	Os	<	0.000590	M	Sr		0.000175				
M	Ba		0.001689	M	Hf	<	0.001800	i	P	<		M	Ta	<	0.004200				
M	Be	<	0.000890	M	Hg	<	0.003300	M	Pb	<	0.000300	M	Tb	<	0.000300				
M	Bi	<	0.000890	M	Ho	<	0.000300	M	Pd	<	0.001800	M	Te	<	0.021000				
O	Ca		0.006334	M	In	<	0.032000	M	Pr	<	0.013000	M	Th	<	0.000300				
O	Cd	<	0.026000	M	Ir	<	0.000300	M	Pt	<	0.000300	O	Tl	<	0.032000				
M	Ce	<	0.008300	M	K		0.130213	M	Rb		0.004575	M	Tl		0.001266				
M	Co		0.000598	M	La	<	0.000300	M	Re	<	0.000300	M	Tm	<	0.000300				
M	Cr		0.000527	O	Li		0.000059	M	Rh	<	0.000300	M	U	<	0.005300				
M	Cs		0.000527	M	Lu	<	0.000300	M	Ru	<	0.079000	M	V	<	0.000890				
M	Cu		0.002252	M	Mg		0.000563	i	S	<		M	W		0.087982				
M	Dy	<	0.000300	M	Mn	<	0.005900	M	Sb		0.001513	M	Y	<	0.000300				
M	Er	<	0.000300	s	Mo	<		M	Sc	<	0.001200	M	Yb	<	0.000300				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 95.94 +6 6,7,8,9 [MoO4]-2(chemical form as received)

Chemical Compatibility -Mo is received in a NH4OH matrix giving the operator the option of using HCl or HF to stabilize acidic solutions. The [MoO4]-2 is soluble in concentrated HCl [MoOCl5]-2, dilute HF / HNO3 [MoOF5]-2 and basic media [MoO4]-2. Stable at ppm levels with some metals provided it is fluorinated. Do not mix with Alkaline or Rare Earths when HF is present. Stable with most inorganic anions provided it is in the [MoO4]-2 chemical form.

Stability - 2-100 ppb levels stable (alone or mixed with all other metals that are at comparable levels) as the [MoOF5]-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the [MoO4]-2 chemically stable for years in 1% NH4OH in a LDPE container.

Mo Containing Samples (Preparation and Solution) -Metal (Soluble in HF / HNO3 or hot dilute HCl); Oxide (soluble in HF or NH4OH) ; Organic Matrices (Dry ash at 450EC in Pt0 and dissolve oxide with HF or HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 95 amu	3 ppt	n/a	40Ar39K16O,79Br1 6O,190Os2+,190Pt 2+
ICP-OES 202.030 nm	0.008 / 0.0002 µg/mL	1	Os, Hf
ICP-OES 203.844 nm	0.012 / 0.002 µg/mL	1	
ICP-OES 204.598 nm	0.012 / 0.001 µg/mL	1	Ir, Ta

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Supervisor, Product Documentation



Certificate Approved By:

Michael Booth
Director, Technical



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



792

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1.0 ACCREDITATION / REGISTRATION

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ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGTI1
Lot Number:	T2-TI719972
Matrix:	2% (v/v) HNO3 tr. HF
Value / Analyte(s):	1 000 µg/mL ea: Titanium
Starting Material:	Ti Metal
Starting Material Lot#:	2094
Starting Material Purity:	99.9975%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1002 ± 5 µg/mL

Density: 1.012 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **1002 ± 4 µg/mL**
ICP Assay NIST SRM 3162a Lot Number: 130925

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

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

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CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57092**	24002546	Nitric Acid		
Lot Number:	**060724**				
Description:	**Uranium (U)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	060727				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

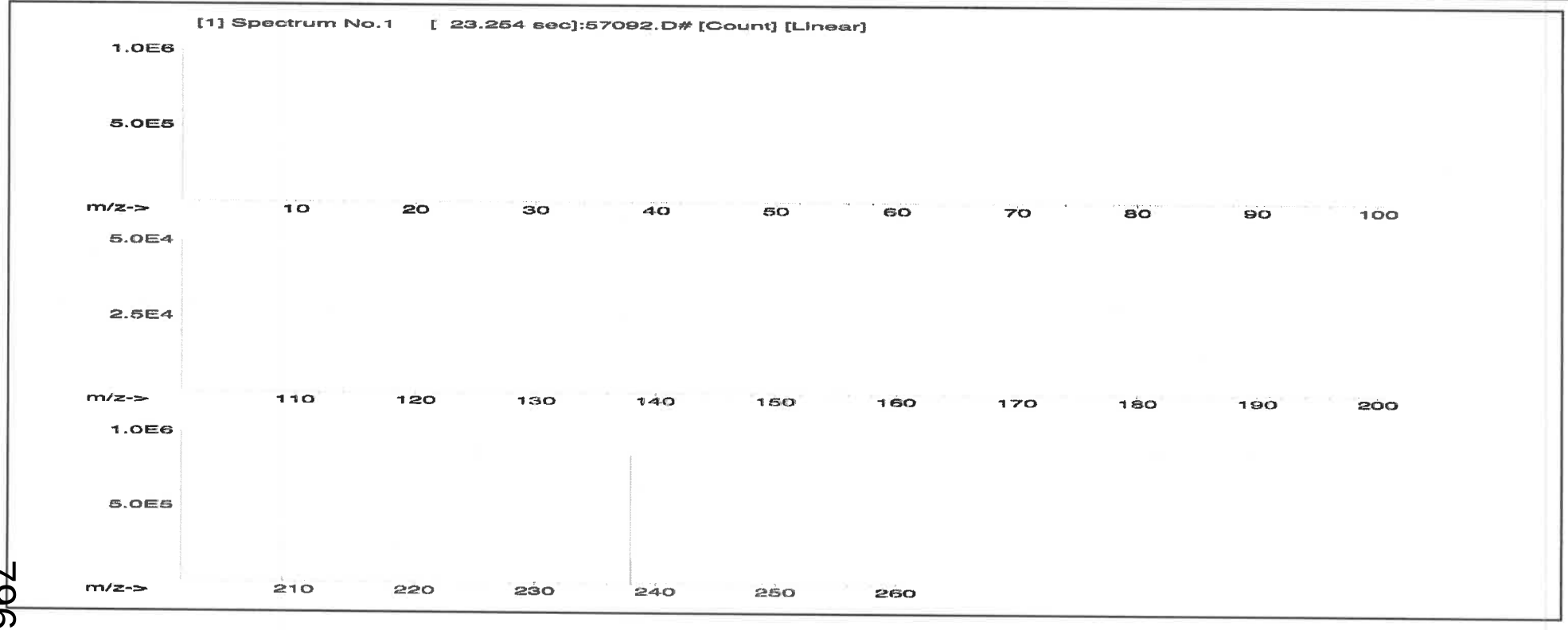
Giovanni Esposito

Formulated By:	Giovanni Esposito	060724

Pedro Rentas

Reviewed By:	Pedro L. Rentas	060724

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Uranyl nitrate hexahydrate (U)	58192	041524	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13520-83-7	0.05 mg/m3	orl-rat 1040 mg/kg	3164



796

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).

797

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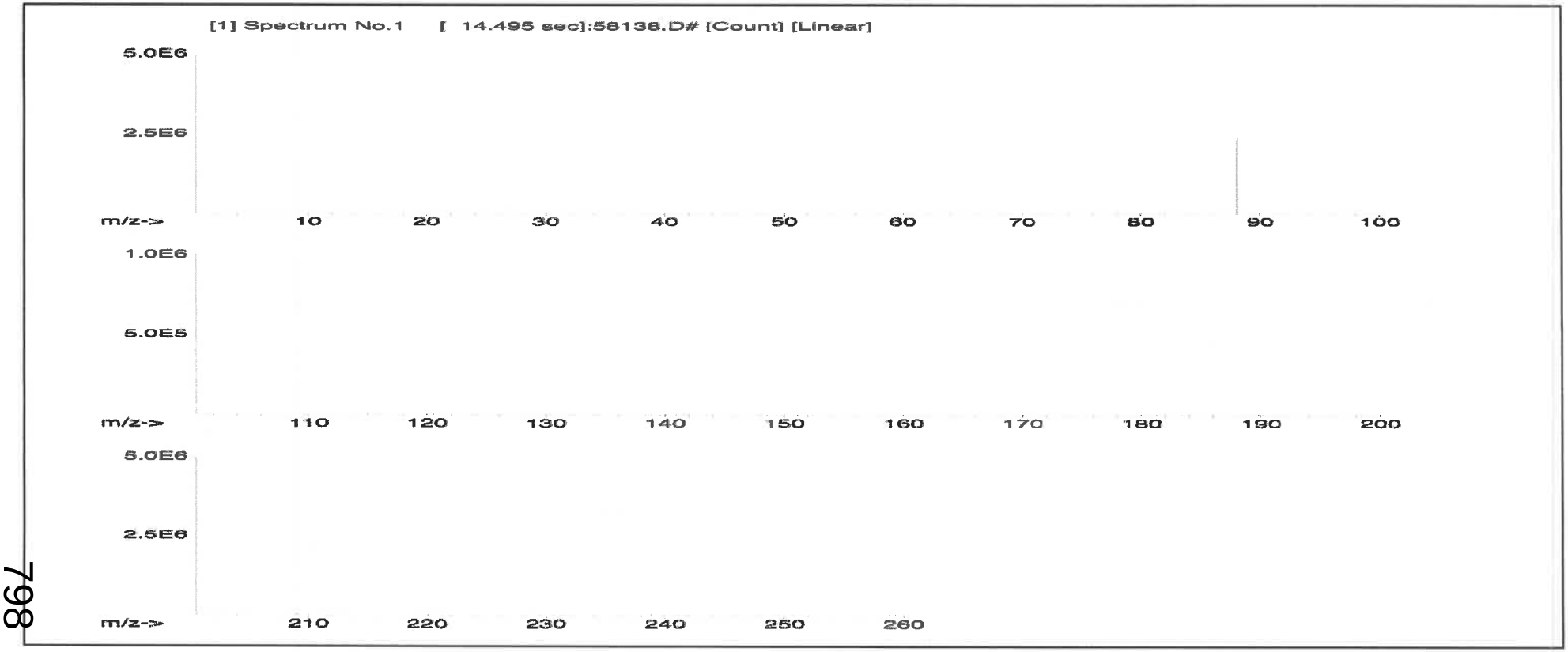
45982 R: 6/11/24

CERTIFIED WEIGHT REPORT:

Part Number:	**57038**		**Lot #**		
Lot Number:	**031524**	**Solvent:**	24002546	Nitric Acid	
Description:	**Strontium (Sr)**	2%	40.0 (mL)	Nitric Acid	
Expiration Date:	031527				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

Formulated By:	Benson Chan	031524
Reviewed By:	Pedro L. Rentas	031524

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Strontium nitrate (Sr)	IN017	SRZ022018A1	1000	99.997	0.10	41.2	4.85470	4.85502	**1000.1**	**2.0**	10042-76-9	NA	orl-rat >2000mg/kg	3153a



798

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M5983 R: 6/11/24

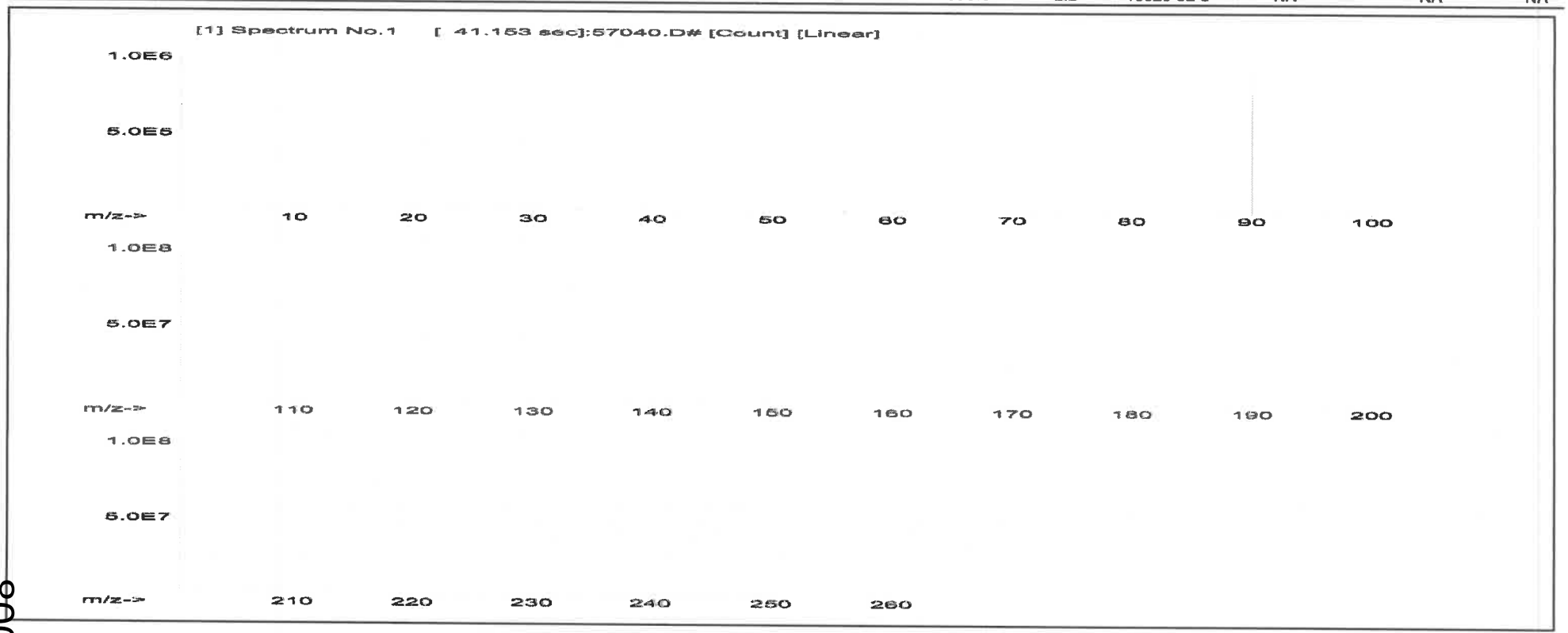
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CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:
Part Number:	57040	21110221	Nitric Acid
Lot Number:	071423		
Description:	Zirconium (Zr)		
		2.0%	40.0 (mL) Nitric Acid
Expiration Date:	071426		
Recommended Storage:	Ambient (20 °C)		
Nominal Concentration (µg/mL):	1000		
NIST Test Number:	6UTB	5E-05	Balance Uncertainty
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty

Formulated By:	Benson Chan	071423
Reviewed By:	Pedro L. Rentas	071423

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Zirconyl chloride octahydrate (Zr)	58140	070621	0.1000	200.0	0.084	1000	10000.3	**1000.0**	**2.2**	13520-92-8	NA	NA	NA



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<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).

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R: 01/03/24 M6033

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802

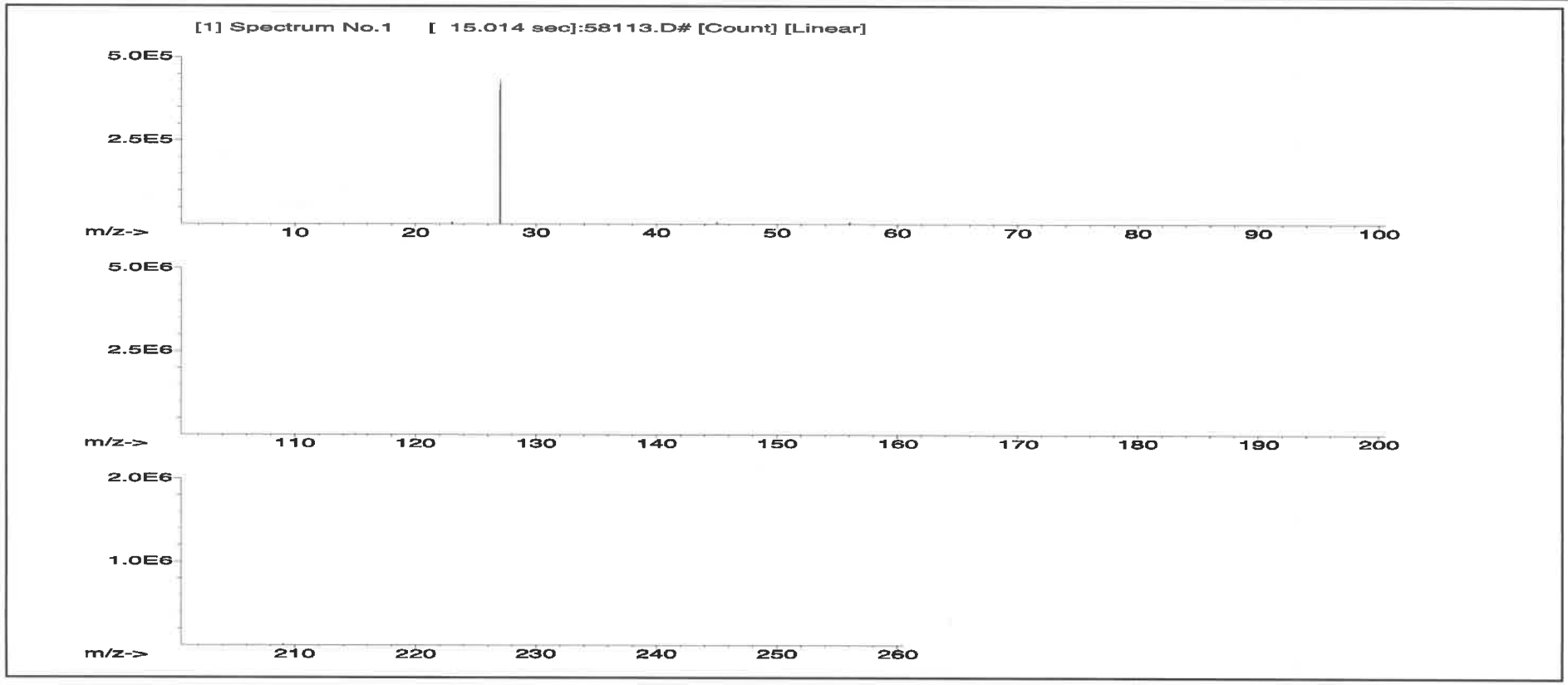
CERTIFIED WEIGHT REPORT:

Part Number:	**58113**		**Solvent:**	20510011	Nitric Acid
Lot Number:	**011623**				
Description:	**Aluminum (Al)**				
			2%	40.0 (mL)	Nitric Acid
Expiration Date:	011626				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Lot #

Giovanni Esposito		
Formulated By:	Giovanni Esposito	011623
Pedro Rentas		
Reviewed By:	Pedro L. Rentas	011623

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Aluminum nitrate nonahydrate (Al)	IN022	ALM112021A1	10000	99.999	0.10	7.30	273.9779	274.0078	**10001.1**	**20.0**	7784-27-2	2 mg/m3	orl-rat 3671 mg/kg	3101a



Nitric Acid 69%
CMOS

Recv date: 1. 1. – 08/01/2023

M6034, M6037
M6035, M6038,
M6036,

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Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 – 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities – Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	2.3 ppb
Trace Impurities – Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	100 ppb
Trace Impurities – Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

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Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 50 ppb	16 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 150.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater	≤ 60 par/ml	10 par/ml
Particle Count – 1.0 µm and greater	≤ 10 par/ml	3 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Received — 08/01/2024
paper
M6039
M6040

Material No.: 9530-33
Batch No.: 24D1562005
Manufactured Date: 2024-03-18
Retest Date: 2029-03-17
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6 %
ACS - Color (APHA)	≤ 10	5
ACS - Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.192
ACS - Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS - Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS - Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities - Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities - Aluminum (Al)	≤ 10.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities - Barium (Ba)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 20.0 ppb	2.2 ppb
Trace Impurities - Cadmium (Cd)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	31.0 ppb
Trace Impurities - Chromium (Cr)	≤ 1.0 ppb	0.5 ppb
Trace Impurities - Cobalt (Co)	≤ 1.0 ppb	0.2 ppb
Trace Impurities - Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities - Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities - Gold (Au)	≤ 4.0 ppb	< 0.2 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities - Iron (Fe)	≤ 15 ppb	3 ppb

>>> Continued on page 2 >>>

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

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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:

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



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 01/03/24 M5806, M5807

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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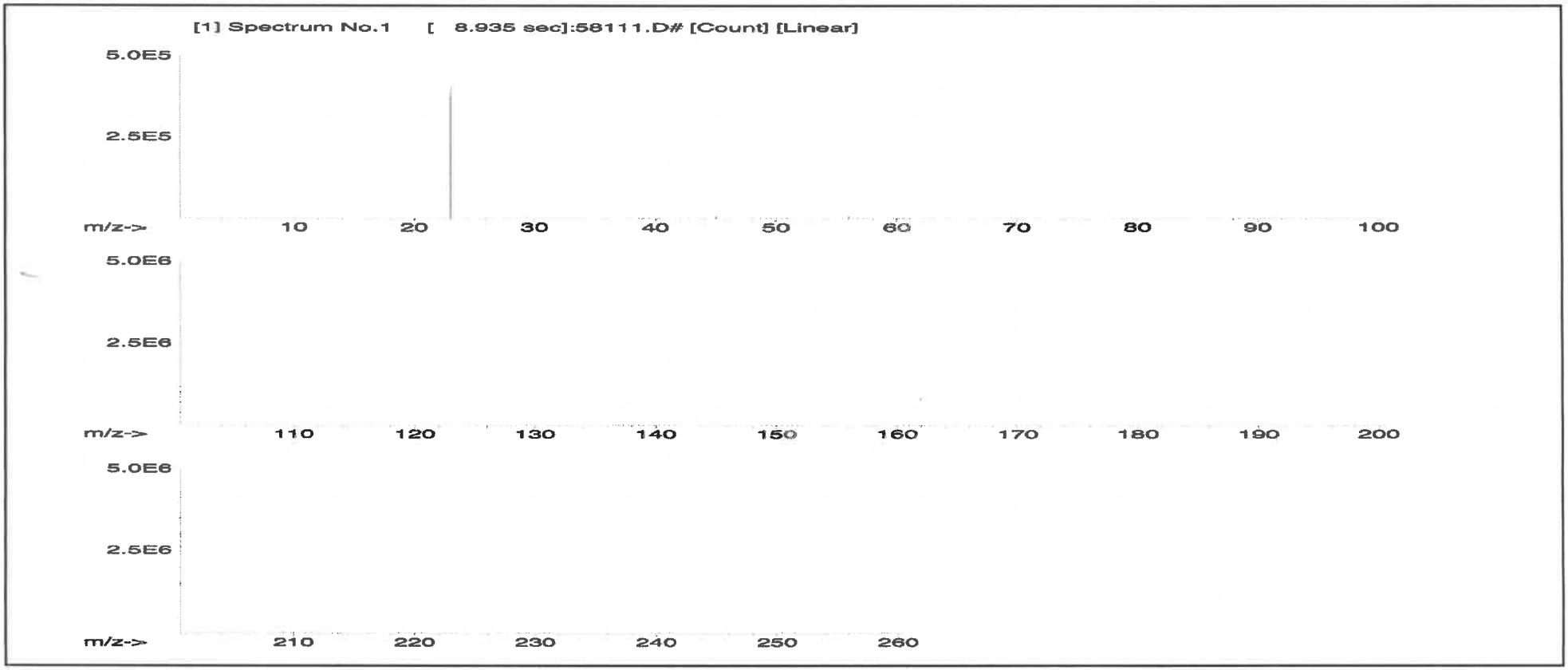
CERTIFIED WEIGHT REPORT:

			Lot #	
Part Number:	**58111**	**Solvent:**	24002546	Nitric Acid
Lot Number:	**122223**			
Description:	**Sodium (Na)**	2%	60.0 (mL)	Nitric Acid
Expiration Date:	122226			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	3000.4	0.06	Flask Uncertainty	

Aleah O'Brady

Formulated By:	Aleah O'Brady	122223
Reviewed By:	Pedro L. Rentas	122223

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Sodium nitrate (Na)	IN036	NAV012015I1	10000	99.999	0.10	26.9	111.5406	111.5479	**10000.7**	**20.0**	7631-99-4	5 mg/m3	orl-rat 3430 mg/kg	3152a



814

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	T	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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A: 4/11/22

Certificate of Analysis

M5738, M5739, M5740, M5741, M5742, M5743

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Christiansburg, VA 24073 USA
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P: 800-669-6799/540-585-3030
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1.0 ACCREDITATION / REGISTRATION

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ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	6020ISS
Lot Number:	S2-MEB709511
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	10 µg/mL ea:

Bismuth, Holmium,
Indium, 6-Lithium,
Rhodium, Scandium,
Terbium, Yttrium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
6-Lithium, Li6	10.00 ± 0.03 µg/mL	Bismuth, Bi	10.00 ± 0.05 µg/mL
Holmium, Ho	10.00 ± 0.05 µg/mL	Indium, In	10.00 ± 0.04 µg/mL
Rhodium, Rh	10.00 ± 0.07 µg/mL	Scandium, Sc	10.00 ± 0.04 µg/mL
Terbium, Tb	10.00 ± 0.04 µg/mL	Yttrium, Y	10.00 ± 0.04 µg/mL

Density: 1.035 g/mL (measured at 20 ± 4 °C)

Assay Information:

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

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

September 03, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- September 03, 2026

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of an Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix**. For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, return the chain of custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

This interference check sample set is to be used to verify elemental isobaric correction factors of inductively coupled plasma-mass spectrometers (ICP-MS). This reference material set consists of two (2) concentrated solutions. The ICSA solution contains several interferent elements and species; for a complete listing refer to the CLP SOW. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for the ICP-MS ICS Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

ICSA-0803, Inferferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution by ICP-MS.

ICSB-0803, Analytes, mixed with ICSA-0803, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this ICSAB solution by ICP-MS.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803

ICSA: M5873

ICSB: M5874

Element	CRQL	Part A (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)	Part A +Part B (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)
Al	20.0	[100000]			[100000]		
Sb	2.0	(1.5)	-2.5	5.5	(22.0)	18.0	26.0
As	1.0	(0.1)	-1.9	2.1	19.0	16.2	21.9
Ba	10.0	(1.2)	-18.8	21.2	(22.0)	2.0	42.0
Be	1.0	(0)	-2.0	2.0	19.0	16.2	21.9
Cd	1.0	(0.7)	-1.3	2.7	20.0	17.0	23.0
Ca	500	[100000]			[100000]		
C		[200000]			[200000]		
Cl		[1000000]			[1000000]		
Cr	2.0	(21.0)	17.0	25.0	40.0	34.0	46.0
Co	1.0	(1.0)	-1.0	3.0	20.0	17.0	23.0
Cu	2.0	(8.0)	4.0	12.0	(25.0)	21.0	29.0
Fe	200	[100000]			[100000]		
Pb	1.0	(4.0)	2.0	6.0	25.0	21.3	28.8
Mg	500	[100000]			[100000]		
Mn	1.0	(7.0)	5.0	9.0	27.0	23.0	31.1
Mo		[2000]			[2000]		
Ni	1.0	(6.0)	4.0	8.0	24.0	20.4	27.6
P		[100000]			[100000]		
K	500	[100000]			[100000]		
Se	5.0	(0.3)	-9.7	10.3	(19.0)	9.0	29.0
Ag	1.0	(0)	-2.0	2.0	18.0	15.3	20.7
Na	500	[100000]			[100000]		
S		[100000]			[100000]		
Tl	1.0	(0)	-2.0	2.0	21.0	17.9	24.2
Ti		[2000]			[2000]		
V	5.0	(0.5)	-9.5	10.5	(19.0)	9.0	29.0
Zn	5.0	(11.0)	1.0	21.0	(29.0)	19.0	39.0

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.
The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of an Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix**. For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, return the chain of custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

This interference check sample set is to be used to verify elemental isobaric correction factors of inductively coupled plasma-mass spectrometers (ICP-MS). This reference material set consists of two (2) concentrated solutions. The ICSA solution contains several interferent elements and species; for a complete listing refer to the CLP SOW. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for the ICP-MS ICS Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

ICSA-0803, Inferferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution by ICP-MS.

ICSB-0803, Analytes, mixed with ICSA-0803, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this ICSAB solution by ICP-MS.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803

ICSA: M5873

ICSB: M5874

Element	CRQL	Part A (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)	Part A +Part B (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)
Al	20.0	[100000]			[100000]		
Sb	2.0	(1.5)	-2.5	5.5	(22.0)	18.0	26.0
As	1.0	(0.1)	-1.9	2.1	19.0	16.2	21.9
Ba	10.0	(1.2)	-18.8	21.2	(22.0)	2.0	42.0
Be	1.0	(0)	-2.0	2.0	19.0	16.2	21.9
Cd	1.0	(0.7)	-1.3	2.7	20.0	17.0	23.0
Ca	500	[100000]			[100000]		
C		[200000]			[200000]		
Cl		[1000000]			[1000000]		
Cr	2.0	(21.0)	17.0	25.0	40.0	34.0	46.0
Co	1.0	(1.0)	-1.0	3.0	20.0	17.0	23.0
Cu	2.0	(8.0)	4.0	12.0	(25.0)	21.0	29.0
Fe	200	[100000]			[100000]		
Pb	1.0	(4.0)	2.0	6.0	25.0	21.3	28.8
Mg	500	[100000]			[100000]		
Mn	1.0	(7.0)	5.0	9.0	27.0	23.0	31.1
Mo		[2000]			[2000]		
Ni	1.0	(6.0)	4.0	8.0	24.0	20.4	27.6
P		[100000]			[100000]		
K	500	[100000]			[100000]		
Se	5.0	(0.3)	-9.7	10.3	(19.0)	9.0	29.0
Ag	1.0	(0)	-2.0	2.0	18.0	15.3	20.7
Na	500	[100000]			[100000]		
S		[100000]			[100000]		
Tl	1.0	(0)	-2.0	2.0	21.0	17.9	24.2
Ti		[2000]			[2000]		
V	5.0	(0.5)	-9.5	10.5	(19.0)	9.0	29.0
Zn	5.0	(11.0)	1.0	21.0	(29.0)	19.0	39.0

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.
The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

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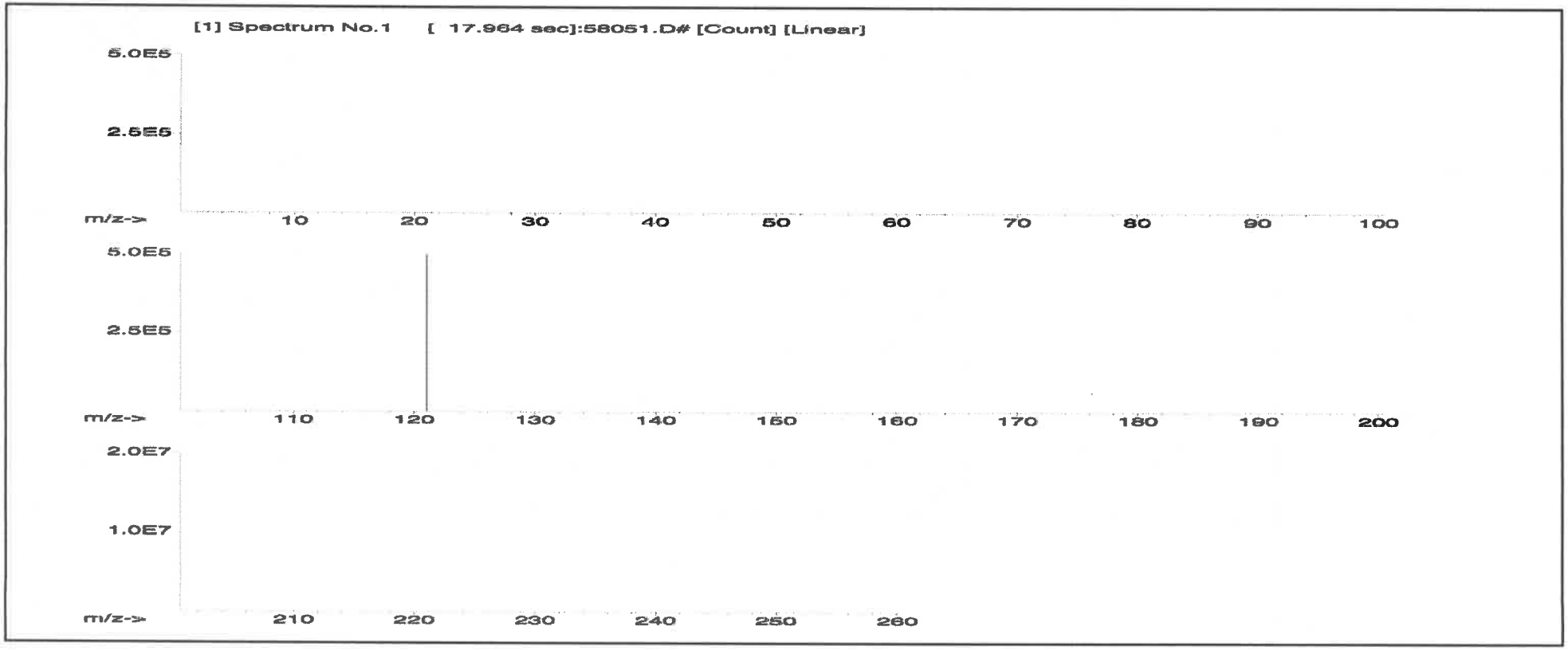
823

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



824

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	T	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M6030

R: 8/5/24

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825

CERTIFIED WEIGHT REPORT:

Part Number: 57047
Lot Number: 122823
Description: Silver (Ag)

Expiration Date: 122826
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

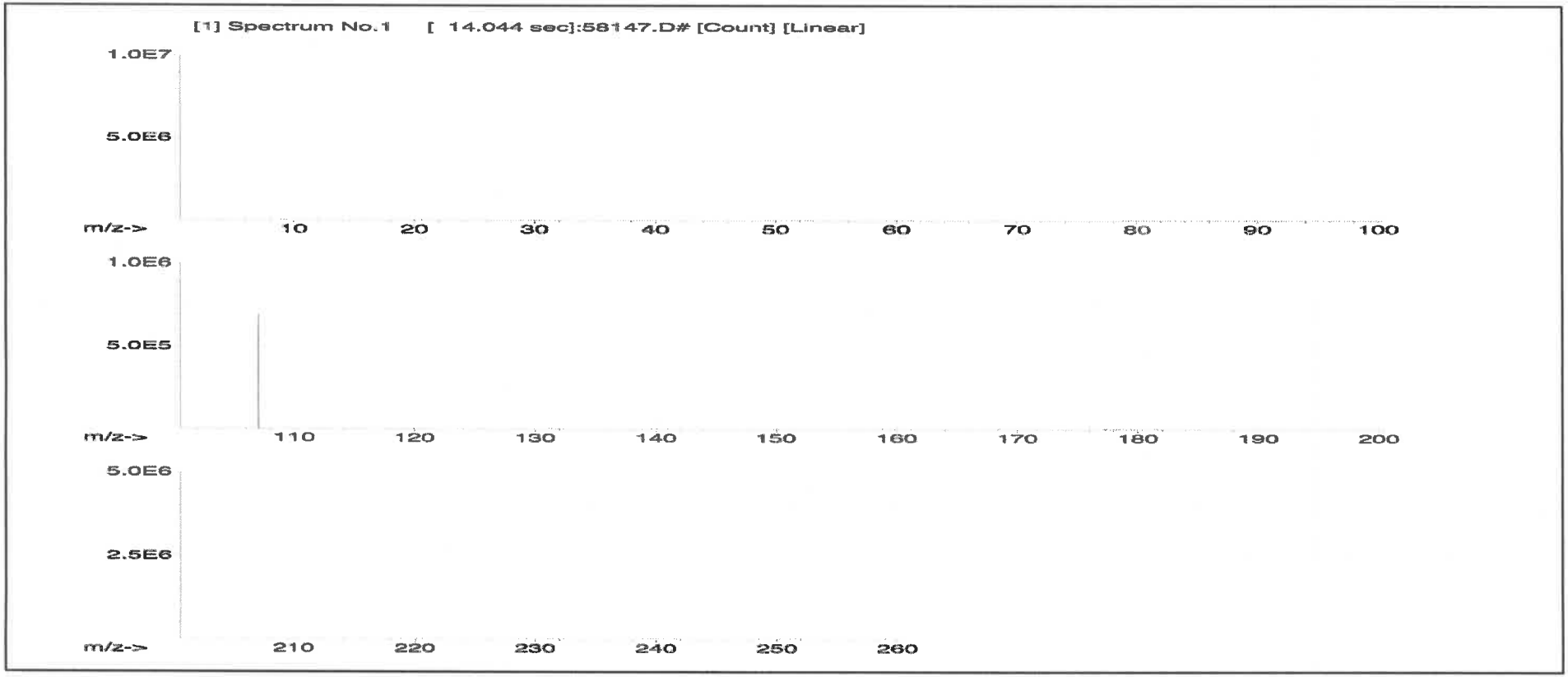
Weight shown below was diluted to (mL): 4000.30 0.058 Flask Uncertainty

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	80.0 (mL)	Nitric Acid	

5E-05 Balance 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



826

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	T	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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CERTIFIED WEIGHT REPORT:

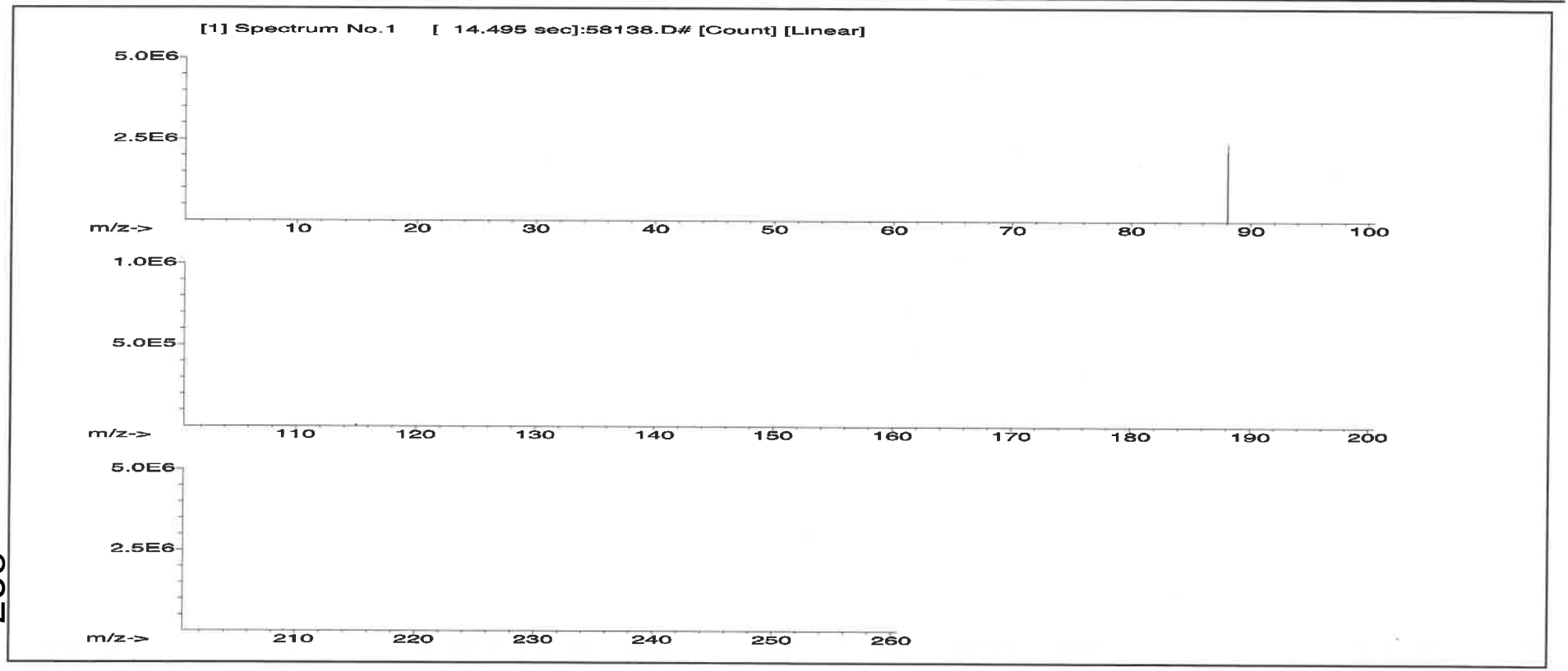
Part Number: 56138
Lot Number: 082922
Description: Strontium (Sr)
Expiration Date: 082925
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 1000.12

	Lot #		
Solvent:	20510011	Nitric Acid	
2%	20.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	082922
Reviewed By:	Pedro L. Rentas	082922

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Strontium nitrate (Sr)	IN017	SRZ022018A1	10000	99.997	0.10	41.2	24.2756	24.2758	**10000.1**	**20.0**	10042-76-9	NA	orl-rat >2000mg/kg	3153a



827

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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CERTIFIED WEIGHT REPORT:

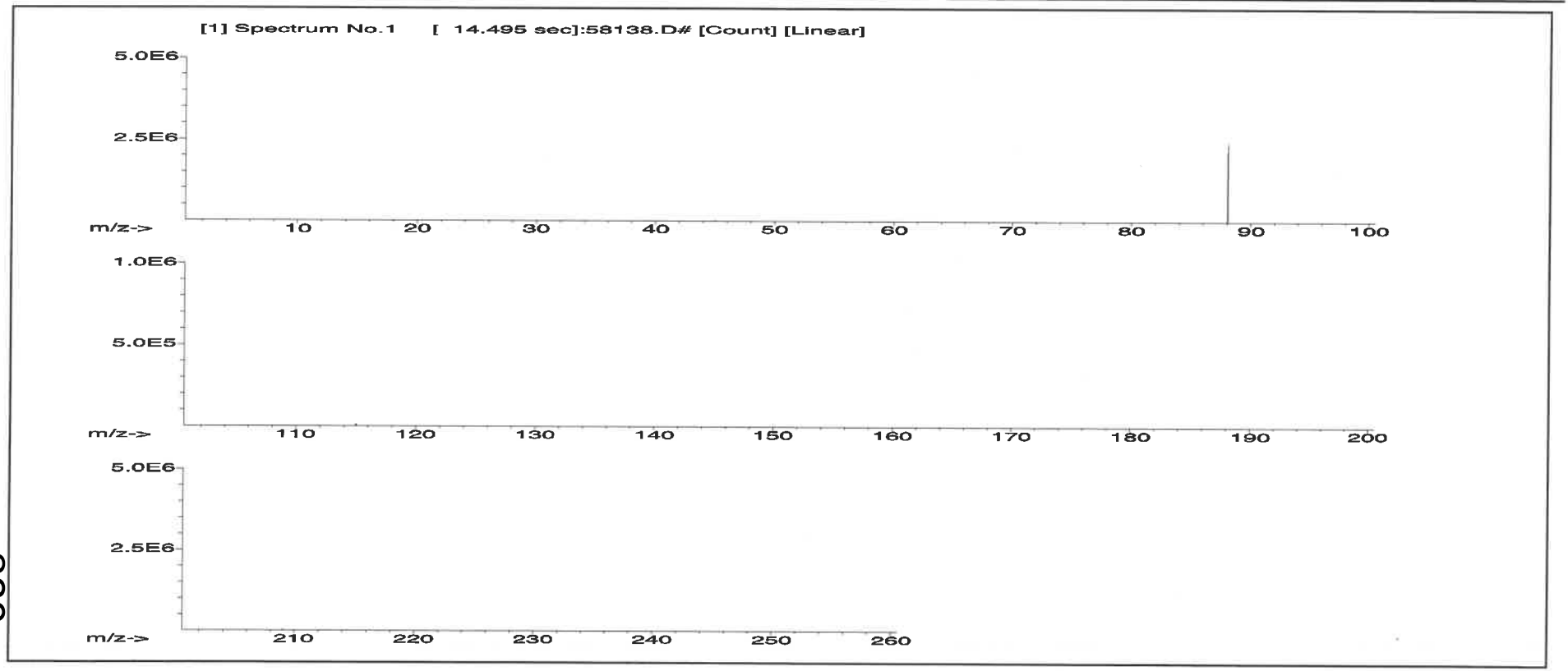
Part Number: 56138
Lot Number: 082922
Description: Strontium (Sr)
Expiration Date: 082925
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 1000.12

	Lot #		
Solvent:	20510011	Nitric Acid	
2%	20.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	082922
Reviewed By:	Pedro L. Rentas	082922

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Strontium nitrate (Sr)	IN017	SRZ022018A1	10000	99.997	0.10	41.2	24.2756	24.2758	**10000.1**	**20.0**	10042-76-9	NA	orl-rat >2000mg/kg	3153a



829

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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R ! 8/5/24

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831

CERTIFIED WEIGHT REPORT:

Part Number:	**57081**		**Lot #**		
Lot Number:	**062724**	**Solvent:**	24002546	Nitric Acid	
Description:	**Thallium (Tl)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	062727				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.1	0.10	Flask Uncertainty		

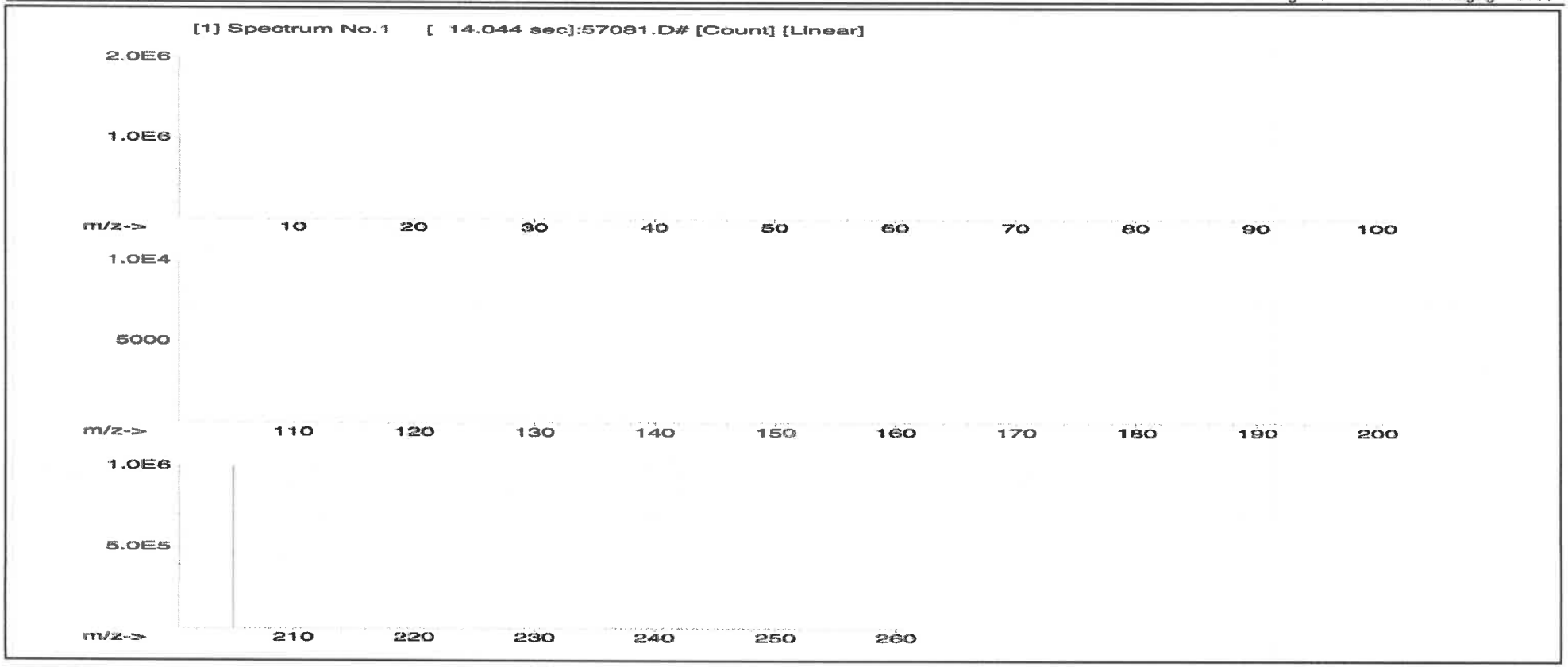
Aleah O'Brady

Formulated By:	Aleah O'Brady	062724

Pedro Rentas

Reviewed By:	Pedro L. Rentas	062724

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Thallium nitrate (Tl)	IN037	BCCF4399	1000	99.999	0.10	77.0	2.5975	2.5977	**1000.1**	**2.0**	10102-45-1	0.1 mg/m3	orl-mus 15mg/kg	3158



832

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

833

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	

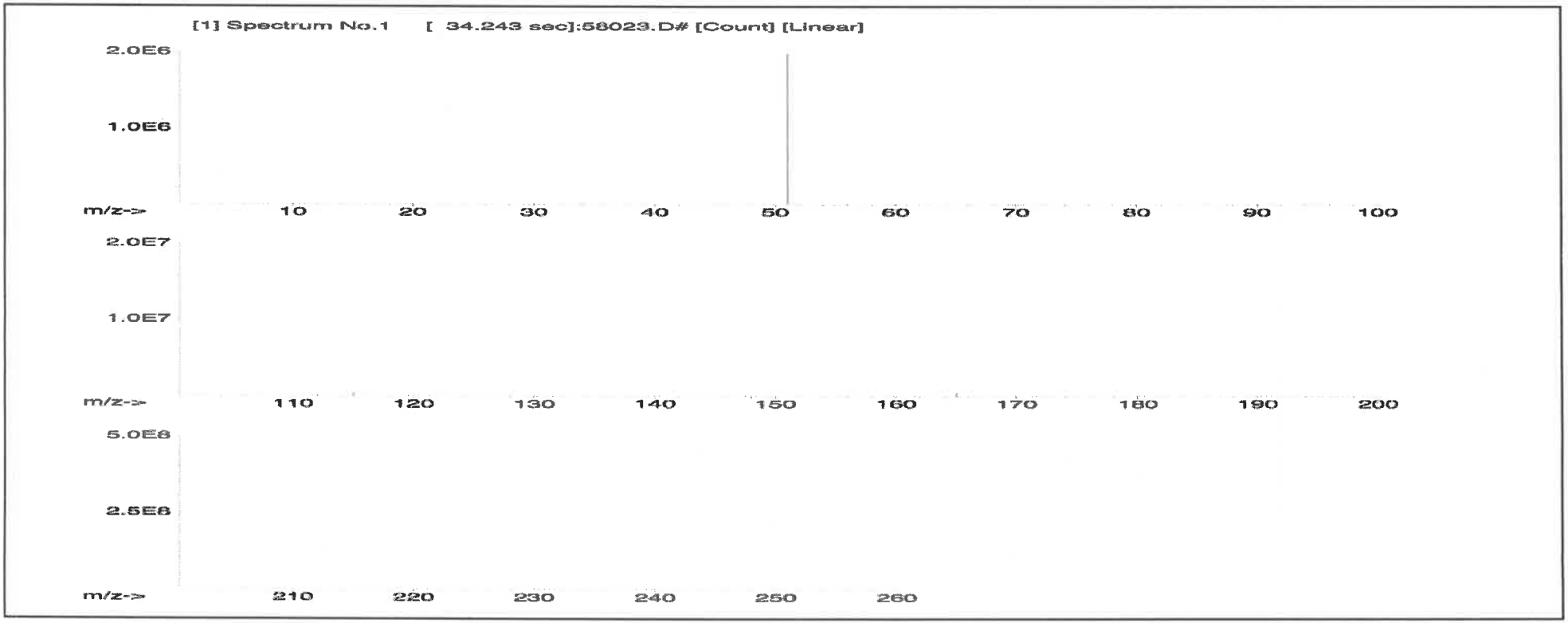
Aleah O'Brady

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



834

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

PB163799

SOP ID : M3050B-Digestion-20, MSFAM01.1-Metals ICPMS-2

SDG No : MYD5R3

Matrix : SOIL

Pippete ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #2 2. N/A

Start Digest Date: 09/30/2024 **Time :** 14:30 **Temp :** 97 °C

End Digest Date: 09/30/2024 **Time :** 17:30 **Temp :** 97 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: jepp

Supervisor Signature:

Temp : 1. 97°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.00mL	MP82583
LCSSD	0.50ml	MP82583
Spike Sol 1	0.3mL,0.3mL,0.027mL	M5565,M5657,M5962
Spike Sol 2	1.5mL,1.5mL,0.135mL	M5565,M5657,M5962
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	10.00ml	MP81119
1:1 HCL	5.00ml	MP82127
CONC: HNO3	5.00ml	M6037
30% H2O2	3.00ml	M5634
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK #2 CELL #34 : 97 C
For Spike Sol 1-0.3ml each M5565,M5657,0.027mL M5962
For Spike Sol 2-1.5mL each M5565,M5657,0.135mL M5962

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
9/30/24 17:44	jepp / Met dig	(Metals Lab)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB163799

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P2826-01	MYD546	N/A	1.25	500	Brown	Yellow	Medium	N/A	N/A	1
P2826-01MS	MYD546MS RE JJP 9/30/24	N/A	1.28	500	Brown	Yellow	Medium	N/A	M5565,M5657,M5962	2
~~P2826-01MSD~~	~~MYD546MSD~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~ JJP 9/30/24	N/A
P2826-02	MYD546D	N/A	1.32	500	Brown	Yellow	Medium	N/A	N/A	4
P2826-03	MYD546S	N/A	1.30	500	Brown	Yellow	Medium	N/A	M5565,M5657,M5962	5
P2826-04	MYD5R3	N/A	1.29	500	Brown	Yellow	Medium	N/A	N/A	6
P2826-05	MYD5R4	N/A	1.46	500	Brown	Yellow	Medium	N/A	N/A	7
P2826-06	MYD5R5	N/A	1.33	500	Brown	Yellow	Medium	N/A	N/A	8
P2826-07	MYD5R6	N/A	1.22	500	Brown	Yellow	Medium	N/A	N/A	9
P2826-08	MYD5R7	N/A	1.29	500	Brown	Yellow	Medium	N/A	N/A	10
P2826-09	MYD5R8	N/A	1.25	500	Brown	Yellow	Medium	N/A	N/A	11
P2826-10	MYD5R9	N/A	1.31	500	Brown	Yellow	Medium	N/A	N/A	12
P2826-11	MYD5S0	N/A	1.24	500	Brown	Yellow	Medium	N/A	N/A	13
P2826-12	MYD5S1	N/A	1.34	500	Brown	Yellow	Medium	N/A	N/A	14
P2826-13	MYD5S2	N/A	1.29	500	Brown	Yellow	Medium	N/A	N/A	15
P2826-14	MYD5S3	N/A	1.35	500	Brown	Yellow	Medium	N/A	N/A	16
P2826-15	MYD5S4	N/A	1.28	500	Brown	Yellow	Medium	N/A	N/A	17
P2826-16	MYD5S5	N/A	1.23	500	Brown	Yellow	Medium	N/A	N/A	18
P2826-17	MYD5S6	N/A	1.31	500	Brown	Yellow	Medium	N/A	N/A	19
P2826-18	MYD5S7	N/A	1.36	500	Brown	Yellow	Medium	N/A	N/A	20
P2826-19	MYD5S8	N/A	1.28	500	Brown	Yellow	Medium	N/A	N/A	21
P2826-20	MYD5S9	N/A	1.27	500	Brown	Yellow	Medium	N/A	N/A	22
P2826-21	MYD5T0	N/A	1.35	500	Brown	Yellow	Medium	N/A	N/A	23
P2826-22	MYD5T1	N/A	1.41	500	Brown	Yellow	Medium	N/A	N/A	24
PB163799BL	PBS799	N/A	1.00	500	Colorless	Colorless	Fine	N/A	N/A	25
PB163799BS	LCS799	N/A	1.00	500	Colorless	Colorless	Fine	N/A	MP82583	26
PB163799BSD	LCSD799	N/A	1.00	500	Colorless	Colorless	Fine	N/A	MP82583	27

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 # LB132794

Review By	Sarabjit Jaswal	Review On	10/8/2024 12:29:50 AM
Supervise By	Mohan Bera	Supervise On	10/12/2024 12:41:01 AM

STD. NAME	STD REF.#
ICAL Standard	MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569
ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE002	TUNE	10/04/24 12:49		Jaswal	OK
2	S00	S0	CAL1	10/04/24 14:01		Jaswal	OK
3	S02	S02	CAL3	10/04/24 14:04		Jaswal	OK
4	S03	S03	CAL4	10/04/24 14:08		Jaswal	OK
5	S04	S04	CAL5	10/04/24 14:11		Jaswal	OK
6	S05	S05	CAL6	10/04/24 14:14		Jaswal	OK
7	S06	S06	CAL7	10/04/24 14:17		Jaswal	OK
8	S07	S07	CAL8	10/04/24 14:20		Jaswal	OK
9	S08	S08	CAL9	10/04/24 14:23		Jaswal	OK
10	ICV002	ICV002	ICV	10/04/24 14:27		Jaswal	OK
11	ICB002	ICB002	ICB	10/04/24 14:30		Jaswal	OK
12	ICSA002	ICSA002	ICSA	10/04/24 14:34		Jaswal	OK
13	ICSAB002	ICSAB002	ICSAB	10/04/24 14:37		Jaswal	OK
14	CCV006	CCV006	CCV	10/04/24 14:40		Jaswal	OK
15	CCB006	CCB006	CCB	10/04/24 14:43		Jaswal	OK
16	P2797-12ADL	MYD4P9A	PS	10/04/24 14:48	NOT USE	Jaswal	Not Ok
17	CCV007	CCV007	CCV	10/04/24 14:51		Jaswal	OK
18	CCB007	CCB007	CCB	10/04/24 14:54		Jaswal	OK

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ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

19	PB163792BL	PBS792	MB	10/04/24 14:59		Jaswal	OK
20	PB163792BS	LCS792	LCS	10/04/24 15:02		Jaswal	OK
21	PB163792BSD	LCSD792	LCSD	10/04/24 15:05		Jaswal	OK
22	PB163799BL	PBS799	MB	10/04/24 15:09		Jaswal	OK
23	PB163799BS	LCS799	LCS	10/04/24 15:12		Jaswal	OK
24	PB163799BSD	LCSD799	LCSD	10/04/24 15:15		Jaswal	OK
25	PB163797BL	PBS797	MB	10/04/24 15:19		Jaswal	OK
26	PB163797BS	LCS797	LCS	10/04/24 15:22		Jaswal	OK
27	PB163797BSD	LCSD797	LCSD	10/04/24 15:25		Jaswal	OK
28	P2823-04	MYD5L1	SAM	10/04/24 15:34		Jaswal	OK
29	P2823-05	MYD5L2	SAM	10/04/24 15:37		Jaswal	OK
30	P2823-06	MYD5L3	SAM	10/04/24 15:40		Jaswal	OK
31	P2823-07	MYD5L4	SAM	10/04/24 15:43		Jaswal	OK
32	P2823-08	MYD5L5	SAM	10/04/24 15:46		Jaswal	OK
33	P2823-09	MYD5L6	SAM	10/04/24 15:49		Jaswal	OK
34	P2823-10	MYD5L7	SAM	10/04/24 15:52		Jaswal	OK
35	P2823-11	MYD5L8	SAM	10/04/24 15:55		Jaswal	OK
36	P2823-12	MYD5L9	SAM	10/04/24 15:58		Jaswal	OK
37	P2823-13	MYD5M0	SAM	10/04/24 16:01		Jaswal	OK
38	P2823-14	MYD5M1	SAM	10/04/24 16:04		Jaswal	OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB132794

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Supervise By	Mohan Bera	Supervise On	10/12/2024 12:41:01 AM

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ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

39	P2823-15	MYD5M2	SAM	10/04/24 16:07		Jaswal	OK
40	P2823-16	MYD5M3	SAM	10/04/24 16:10		Jaswal	OK
41	P2823-17	MYD5M4	SAM	10/04/24 16:13		Jaswal	OK
42	P2823-18	MYD5M5	SAM	10/04/24 16:17		Jaswal	OK
43	P2823-19	MYD5M6	SAM	10/04/24 16:20		Jaswal	OK
44	P2823-20	MYD5M7	SAM	10/04/24 16:23		Jaswal	OK
45	CCV008	CCV008	CCV	10/04/24 16:26		Jaswal	OK
46	CCB008	CCB008	CCB	10/04/24 16:29		Jaswal	OK
47	P2823-21	MYD5M8	SAM	10/04/24 16:32		Jaswal	OK
48	P2823-22	MYD5M9	SAM	10/04/24 16:35		Jaswal	OK
49	P2823-01	MYD5X1	SAM	10/04/24 16:38	Ba,Co,Ni,V high in MSRE	Jaswal	Dilution
50	P2823-02	MYD5X1D	DUP	10/04/24 16:41	Ba,Co,Ni,V high in MSRE	Jaswal	Dilution
51	P2823-01L	MYD5X1L	SD	10/04/24 16:44	Ba,Co,Ni,V high in MSRE	Jaswal	Dilution
52	P2823-03	MYD5X1S	MS	10/04/24 16:48	Ba,Co,Ni,V high in MSRE	Jaswal	Dilution
53	P2823-01MS	MYD5X1SRE	MS	10/04/24 16:51	Ba,Co,Ni,V high	Jaswal	Dilution
54	P2823-01DL	MYD5X1	SAM	10/04/24 16:53	4X for Ba,Co,Ni,V	Jaswal	Confirms
55	P2823-02DL	MYD5X1D	DUP	10/04/24 16:57	4X for Ba,Co,Ni,V	Jaswal	Confirms
56	P2823-01LDL	MYD5X1L	SD	10/04/24 17:00	20X for Ba,Co,Ni,V	Jaswal	Confirms
57	P2823-03DL	MYD5X1S	MS	10/04/24 17:03	4X for Ba,Co,Ni,V	Jaswal	Confirms

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Instrument ID: P8

Daily Analysis Runlog For Sequence/QCBatch ID # LB132794

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Supervise By	Mohan Bera	Supervise On	10/12/2024 12:41:01 AM

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ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

58	P2823-01MSDL	MYD5X1SRE	MS	10/04/24 17:06	4x for Ba,Co,Ni,V, Need lower Dilution for Ba, MS fail for Ba (283.11 ppb), V (90.88 ppb)	Jaswal	Confirms
59	P2823-09DL	MYD5L6	SAM	10/04/24 17:09	NOT USE	Jaswal	Not Ok
60	P2823-14DL	MYD5M1	SAM	10/04/24 17:12	NOT USE	Jaswal	Not Ok
61	P2823-19DL	MYD5M6	SAM	10/04/24 17:15	NOT USE	Jaswal	Not Ok
62	P2826-01	MYD546	SAM	10/04/24 17:19	Ba,Co,Ni,V high in MSRE	Jaswal	Dilution
63	P2826-02	MYD546D	DUP	10/04/24 17:22	Ba,Co,Ni,V high in MSRE	Jaswal	Dilution
64	P2826-01L	MYD546L	SD	10/04/24 17:25	Ba,Co,Ni,V high in MSRE	Jaswal	Dilution
65	P2826-03	MYD546S	MS	10/04/24 17:28	Ba,Co,Ni,V high in MSRE	Jaswal	Dilution
66	P2826-01MS	MYD546SRE	MS	10/04/24 17:31	Ba,Co,Ni,V high	Jaswal	Dilution
67	P2826-04	MYD5R3	SAM	10/04/24 17:34		Jaswal	OK
68	P2826-05	MYD5R4	SAM	10/04/24 17:37		Jaswal	OK
69	P2826-06	MYD5R5	SAM	10/04/24 17:40		Jaswal	OK
70	P2826-07	MYD5R6	SAM	10/04/24 17:43		Jaswal	OK
71	P2826-08	MYD5R7	SAM	10/04/24 17:46		Jaswal	OK
72	P2826-09	MYD5R8	SAM	10/04/24 17:49		Jaswal	OK
73	CCV009	CCV009	CCV	10/04/24 17:52		Jaswal	OK
74	CCB009	CCB009	CCB	10/04/24 17:55		Jaswal	OK
75	P2826-10	MYD5R9	SAM	10/04/24 17:59		Jaswal	OK
76	P2826-11	MYD5S0	SAM	10/04/24 18:02		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 # LB132794

Review By	Sarabjit Jaswal	Review On	10/8/2024 12:29:50 AM
Supervise By	Mohan Bera	Supervise On	10/12/2024 12:41:01 AM

STD. NAME	STD REF.#
ICAL Standard	MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569
ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

77	P2826-12	MYD5S1	SAM	10/04/24 18:05		Jaswal	OK
78	P2826-13	MYD5S2	SAM	10/04/24 18:08		Jaswal	OK
79	P2826-14	MYD5S3	SAM	10/04/24 18:11		Jaswal	OK
80	P2826-15	MYD5S4	SAM	10/04/24 18:14		Jaswal	OK
81	P2826-16	MYD5S5	SAM	10/04/24 18:17		Jaswal	OK
82	P2826-17	MYD5S6	SAM	10/04/24 18:20		Jaswal	OK
83	P2826-18	MYD5S7	SAM	10/04/24 18:23		Jaswal	OK
84	P2826-19	MYD5S8	SAM	10/04/24 18:26		Jaswal	OK
85	P2826-20	MYD5S9	SAM	10/04/24 18:29		Jaswal	OK
86	P2826-21	MYD5T0	SAM	10/04/24 18:33		Jaswal	OK
87	P2826-22	MYD5T1	SAM	10/04/24 18:36		Jaswal	OK
88	P2826-01DL	MYD546	SAM	10/04/24 18:39	4x for Ba,Co,Ni,V	Jaswal	Confirms
89	P2826-02DL	MYD546D	DUP	10/04/24 18:42	4x for Ba,Co,Ni,V	Jaswal	Confirms
90	P2826-01LDL	MYD546L	SD	10/04/24 18:45	20x for Ba,Co,Ni,V	Jaswal	Confirms
91	P2826-03DL	MYD546S	MS	10/04/24 18:48	4x for Ba,Co,Ni,V	Jaswal	Confirms
92	P2826-01MSDL	MYD546SRE	MS	10/04/24 18:52	4x for Ba,Co,Ni,V	Jaswal	Confirms
93	P2826-05DL	MYD5R4	SAM	10/04/24 18:55	NOT USE	Jaswal	Not Ok
94	P2826-17DL	MYD5S6	SAM	10/04/24 18:58	NOT USE	Jaswal	Not Ok
95	P2824-01	MYD5K5	SAM	10/04/24 19:01	Ba,Co,Ni,V high in MSRE	Jaswal	Dilution
96	P2824-02	MYD5K5D	DUP	10/04/24 19:04	Ba,Co,Ni,V high in MSRE	Jaswal	Dilution

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: P8

Daily Analysis Runlog For Sequence/QCBatch ID # LB132794

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Supervise By	Mohan Bera	Supervise On	10/12/2024 12:41:01 AM

STD. NAME	STD REF.#
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ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

97	P2824-01L	MYD5K5L	SD	10/04/24 19:07	Ba,Co,Ni,V high in MSRE	Jaswal	Dilution
98	P2824-03	MYD5K5S	MS	10/04/24 19:10	Ba,Co,Ni,V high in MSRE	Jaswal	Dilution
99	P2824-01MS	MYD5K5SRE	MS	10/04/24 19:13	Ba,Co,Ni,V high, MS fail for Se (Below RL)	Jaswal	Dilution
100	P2824-04	MYD5N0	SAM	10/04/24 19:16		Jaswal	OK
101	P2824-05	MYD5N1	SAM	10/04/24 19:19		Jaswal	OK
102	CCV010	CCV010	CCV	10/04/24 19:26		Jaswal	OK
103	CCB010	CCB010	CCB	10/04/24 19:29		Jaswal	OK
104	P2824-06	MYD5N2	SAM	10/04/24 19:32		Jaswal	OK
105	P2824-07	MYD5N3	SAM	10/04/24 19:35		Jaswal	OK
106	P2824-08	MYD5N4	SAM	10/04/24 19:39		Jaswal	OK
107	P2824-09	MYD5N5	SAM	10/04/24 19:42		Jaswal	OK
108	P2824-10	MYD5N6	SAM	10/04/24 19:45		Jaswal	OK
109	P2824-11	MYD5N7	SAM	10/04/24 19:48		Jaswal	OK
110	P2824-12	MYD5N8	SAM	10/04/24 19:51		Jaswal	OK
111	P2824-13	MYD5N9	SAM	10/04/24 19:54		Jaswal	OK
112	P2824-14	MYD5P0	SAM	10/04/24 19:57		Jaswal	OK
113	P2824-15	MYD5P1	SAM	10/04/24 20:00		Jaswal	OK
114	P2824-16	MYD5P2	SAM	10/04/24 20:03		Jaswal	OK
115	P2824-17	MYD5P3	SAM	10/04/24 20:06		Jaswal	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: P8

Daily Analysis Runlog For Sequence/QCBatch ID # LB132794

Review By	Sarabjit Jaswal	Review On	10/8/2024 12:29:50 AM
Supervise By	Mohan Bera	Supervise On	10/12/2024 12:41:01 AM

STD. NAME	STD REF.#
ICAL Standard	MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569
ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

116	P2824-18	MYD5P4	SAM	10/04/24 20:10		Jaswal	OK
117	P2824-19	MYD5P5	SAM	10/04/24 20:13		Jaswal	OK
118	P2824-20	MYD5P6	SAM	10/04/24 20:16		Jaswal	OK
119	P2824-21	MYD5P7	SAM	10/04/24 20:19		Jaswal	OK
120	P2824-22	MYD5P8	SAM	10/04/24 20:22		Jaswal	OK
121	P2824-01DL	MYD5K5	SAM	10/04/24 20:25	4x for Ba,Co,Ni,V	Jaswal	Confirms
122	P2824-02DL	MYD5K5D	DUP	10/04/24 20:28	4x for Ba,Co,Ni,V	Jaswal	Confirms
123	P2824-01LDL	MYD5K5L	SD	10/04/24 20:31	20x for Ba,Co,Ni,V	Jaswal	Confirms
124	P2824-03DL	MYD5K5S	MS	10/04/24 20:35	4x for Ba,Co,Ni,V	Jaswal	Confirms
125	P2824-01MSDL	MYD5K5SRE	MS	10/04/24 20:38	4x for Ba,Co,Ni,V	Jaswal	Confirms
126	P2824-08DL	MYD5N4	SAM	10/04/24 20:41	NOT USE	Jaswal	Not Ok
127	P2824-09DL	MYD5N5	SAM	10/04/24 20:44	NOT USE	Jaswal	Not Ok
128	P2824-22DL	MYD5P8	SAM	10/04/24 20:47	NOT USE	Jaswal	Not Ok
129	CCV011	CCV011	CCV	10/04/24 20:50		Jaswal	OK
130	CCB011	CCB011	CCB	10/04/24 20:53		Jaswal	OK

ORIGIN ID:MSCA (480) 477-4900
CAROLINA GUIJARRO
WESTON SOLUTIONS
105 SOUTH ALARCO STREET
APARTMENT #6
PRESCOTT, AZ 86284
UNITED STATES US

SHIP DATE: 07JUN24
ACTWGT: 60.00 LB
CAD: 110558839/INET4730
DIMS: 25x14x15 IN
BILL SENDER

TO **SOHIL JODHANI**
ALLIANCE TECHNICAL GROUP LLC
284 SHEFFIELD ST
MOUNTAINSIDE NJ 07092
(908) 789-8900
INV:
PO:
REF: W3150.1.043.09MXA-K0P551.0700
DEPT:

583J3/6CA9/9AE3

FedEx Express

J242024032601uv

TRK# 0201 **7767 4279 6255**

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63

ORIGIN ID:MSCA (480) 477-4900
CAROLINA GUIJARRO
WESTON SOLUTIONS
105 SOUTH ALARCO STREET
APARTMENT #6
PRESCOTT, AZ 85284
UNITED STATES US

SHIP DATE: 07JUN24
ACTWGT: 25.00 LB
CAD: 110555859/INET4730
DIMS: 25x14x15 IN

BILL SENDER

TO **SOHIL JODHANI**
ALLIANCE TECHNICAL GROUP LLC
284 SHEFFIELD ST
MOUNTAINSIDE NJ 07092
(908) 789-8900
INV:
PO:
REF: W3150.1.043.09MX.A.K0P561.0700
DEPT:

6/10/24
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19.8

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6 8

Alliance TECHNICAL GROUP 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Login Summary Report

Order ID :	P2826	Order Date :	6/10/2024 8:54:00 AM	Project Mgr :	Deepak
Client :	USEPA CLP SMO	Project :	51495	Report Type :	USEPA CLP
Contact :	Anita Kapadia	Receive Date :	6/10/2024 8:54:00 AM	EDD Type :	EPA CLP
Date Sign Off :	6/11/2024 8:36:42 AM				

Sample ID	Client ID	Matrix	Sampling Date	Test	Test Group	Method	TAT Days	Fax Due Date	HC Due Date
P2826-01	MYD546	Solid	06/05/2024						
				Metals CLP Full		SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL		SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids		Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-02	MYD546D	Solid	06/05/2024						
				Metals CLP Full		SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL		SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids		Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-03	MYD546S	Solid	06/05/2024						
				Metals CLP Full		SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL		SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids		Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-04	MYD5R3	Solid	06/06/2024						
				Metals CLP Full		SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL		SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids		Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-05	MYD5R4	Solid	06/06/2024						
				Metals CLP Full		SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL		SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids		Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-06	MYD5R5	Solid	06/06/2024						
				Metals CLP Full		SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL		SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids		Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-07	MYD5R6	Solid	06/06/2024						
				Metals CLP Full		SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL		SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids		Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-08	MYD5R7	Solid	06/06/2024						
				Metals CLP Full		SFAM_AES	15	07/01/2024	07/01/2024

				Metals CLP MS FULL	SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids	Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-09	MYD5R8	Solid	06/06/2024					
				Metals CLP Full	SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL	SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids	Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-10	MYD5R9	Solid	06/06/2024					
				Metals CLP Full	SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL	SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids	Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-11	MYD5S0	Solid	06/06/2024					
				Metals CLP Full	SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL	SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids	Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-12	MYD5S1	Solid	06/06/2024					
				Metals CLP Full	SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL	SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids	Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-13	MYD5S2	Solid	06/06/2024					
				Metals CLP Full	SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL	SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids	Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-14	MYD5S3	Solid	06/06/2024					
				Metals CLP Full	SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL	SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids	Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-15	MYD5S4	Solid	06/06/2024					
				Metals CLP Full	SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL	SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids	Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-16	MYD5S5	Solid	06/06/2024					
				Metals CLP Full	SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL	SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids	Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-17	MYD5S6	Solid	06/06/2024					
				Metals CLP Full	SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL	SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids	Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-18	MYD5S7	Solid	06/06/2024					
				Metals CLP Full	SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL	SFAM_MS	15	07/01/2024	07/01/2024

				Percent Solids	Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-19	MYD5S8	Solid	06/06/2024					
				Metals CLP Full	SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL	SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids	Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-20	MYD5S9	Solid	06/06/2024					
				Metals CLP Full	SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL	SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids	Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-21	MYD5T0	Solid	06/06/2024					
				Metals CLP Full	SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL	SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids	Chemtech -SOP	15	07/01/2024	07/01/2024
P2826-22	MYD5T1	Solid	06/06/2024					
				Metals CLP Full	SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS FULL	SFAM_MS	15	07/01/2024	07/01/2024
				Percent Solids	Chemtech -SOP	15	07/01/2024	07/01/2024

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB163799 **WorkList ID :** 183959 **Department :** Digestion **Date :** 09-30-2024 12:13:59

849

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2826-01	MYD546	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2826-02	MYD546D	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2826-03	MYD546S	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2826-04	MYD5R3	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2826-05	MYD5R4	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/06/2024	SFAM_MS
P2826-06	MYD5R5	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/06/2024	SFAM_MS
P2826-07	MYD5R6	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/06/2024	SFAM_MS
P2826-08	MYD5R7	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/06/2024	SFAM_MS
P2826-09	MYD5R8	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/06/2024	SFAM_MS
P2826-10	MYD5R9	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/06/2024	SFAM_MS
P2826-11	MYD5S0	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/06/2024	SFAM_MS
P2826-12	MYD5S1	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/06/2024	SFAM_MS
P2826-13	MYD5S2	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/06/2024	SFAM_MS
P2826-14	MYD5S3	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/06/2024	SFAM_MS
P2826-15	MYD5S4	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/06/2024	SFAM_MS
P2826-16	MYD5S5	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/06/2024	SFAM_MS
P2826-17	MYD5S6	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/06/2024	SFAM_MS
P2826-18	MYD5S7	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/06/2024	SFAM_MS
P2826-19	MYD5S8	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/06/2024	SFAM_MS
P2826-20	MYD5S9	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/06/2024	SFAM_MS
P2826-21	MYD5T0	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/06/2024	SFAM_MS

Date/Time 9/30/24 12:30

Raw Sample Received by: Jeff (Met Lab)

Raw Sample Relinquished by: [signature]

Date/Time 9/30/24 15:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: Jeff (Met Lab)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB163799 **WorkList ID :** 183959 **Department :** Digestion **Date :** 09-30-2024 12:13:59

850

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2826-22	MYD5T1	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/06/2024	SFAM_MS

Date/Time 9/30/24 12:30

Raw Sample Received by: Jepp (Met Dig)

Raw Sample Relinquished by: L.C Emt

Date/Time 9/30/24 15:30

Raw Sample Received by: L. Crum

Raw Sample Relinquished by: Jepp (Met Dig)